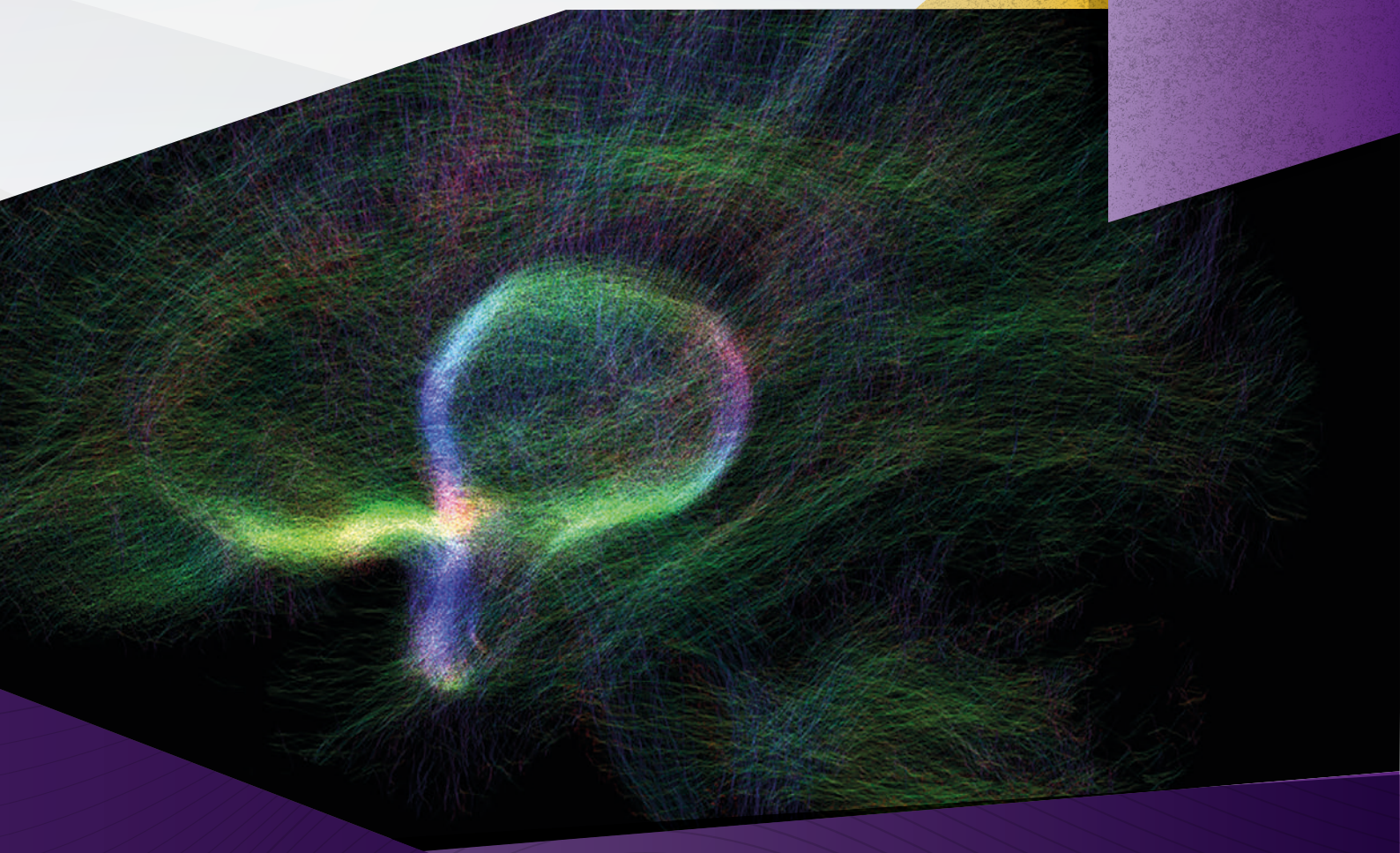


# SCIENTIFIC REPORT



2022





**IdISSC**  
**Scientific**  
**report**  
**2022**





## Cover images

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### Prize of the “I Concurso de fotografía Científica IdISSC” 2023

**Author:** Antonio Barcia Albacar (ORCID: 0000-0001-6562-4568)

**Title:** Fear and anxiety circuit.

**Description:** Neural networks connecting the amygdala and the bed nucleus of the stria terminalis. Their identification is important to determine the stimulation targets in obsessive-compulsive disorder.

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## Letter from the scientific management

The past decade was an exciting time for the Clínico San Carlos Research Institute, IdISSC. As Scientific Director, I am honored to serve in this role since its launch in 2012 and my main goal has always been to encourage researchers to creatively imagine the health investigation of the future. While we look back and celebrate our 10th anniversary, I want to thank all IdISSC members for their contributions to pursue ground-breaking discoveries, being some of them compiled in this annual report.

The institute was dedicated to high-quality research during 2022. The 1102 IdISSC professionals were integrated in 59 research groups, 9 of them into the newly created area of Advanced Technologies and Translation Models, as an echo of its strategic vision and aided by the initiative of young researchers. They gained national competitive projects involved in the search of early metabolic changes as biomarkers of neurodegeneration, the use of biodegradable microspheres in glaucoma or the transcranial magnetic stimulation in primary aphasia, to mention just a few. Also this year, sustained growing of the institute was achieved with new researchers joined through Sara Borrell, Río Hortega and Joan Rodés contracts. At the same time, interdisciplinarity remained a key strength, enabling IdISSC to reach bigger ambitions in a wide range of topics, going from advanced strategies for protontherapy to the use of biohybrid materials after radical prostatectomy for erectile function recovery, the development of new technologies for non-invasive pharmacokinetic in nuclear medicine or flash radiotherapy in tissue-on-a-chip, with an increasing number of proposals to research calls. The critical role of collaborative research in providing solutions for pressing health issues crystallized in our incorporation to international, national and regional structures such as EIT health (European Institute of Innovation and Technology), the CIBERBBN (Bioengineering, Biomaterials and Nanomedicine) or the MINA-CM (Madrid Innovative Neurotech Alliance).

The alliance with members of the Madrid ecosystem such as the Polytechnic University; the broad interaction with the international scientific community at large; and the inclusion of other players such as patients and citizens contributing to research co-creation, were some of our priorities. The Institute was immersed in projects that aimed to improve people's health and quality of life through new models of integrated data and personalized care, some of them supported by Horizon Europe 2021-27, as the one related to rheumatic complains. IdISSC was also successfully participating in the ISCIII call of Personalized Medicine and Advanced Therapies with the implementation of technological and innovative solutions of AI for diagnosis, treatment and prognosis in hematologic diseases. The COVID pandemic highlighted the importance of health research, and led IdISSC to keep working in this topic, through the regional collaborative project Immunovacter-CM and also with the study of lipid profile, target organ damage and microbiota in recovered patients or analyzing the immune response after vaccination in children, initiatives that deserved our incorporation to CIBERinfec.

In our journey pursuing scientific discoveries and advancements, we continued to push the boundaries of knowledge to make the world a better place for generations to come. To highlight only the most impactful IdISSC results during 2022, we published 1213 papers (ARLE) with nearly a half in Q1 (12% D1) and 60% in open access JCR journals, and over 30 clinical practice guidelines in hot topics as pediatric transgender, consensus on early detection of disease progression in multiple sclerosis or recommendations for the diagnosis and treatment of hypoglycemia after bariatric surgery.

As usual, in 2022 IdISSC actively engaged with the pharma industry and with society, collaborating in more than 450 clinical trials and encouraging patient participation in the management of their health.

The first ten years of IdISSC were a fantastic journey, let's keep growing and stay motivated to expand our activities further. Today is the ideal time for IdISSC to develop and give even greater meaning to our goals. A decade ago, when IdISSC was established, its very existence was seen as a success; now, we are in the right path to truly become a world-class research institution. As we celebrate a decade of achievement, there is a real possibility that the next decade will see IdISSC become a competitive center with rising opportunities to flourish. I have no doubt that the best is yet to come...

**Elena Urcelay García**  
Scientific Director (IdISSC).



From left to right:  
**Joana Modolell Aguilar:** Director (FIB HCSC)  
**José Soto Bonel:** President (FIB HCSC)  
**Elena Urcelay García:** Scientific Director (IdISSC).



## Introduction

The Health Research Institute of the Hospital Clínico San Carlos in Madrid was created with the intention of promoting research and planning the scientific activity in line with the areas defined in the strategic plan. It consists of the following entities:



UNIVERSIDAD  
POLITÉCNICA  
DE MADRID



## Mission

To promote and consolidate the biomedical research and innovation activities of the groups that make up the institute, thus building an efficient and sustainable organisation that generates scientific evidence geared towards healthcare practice and improving the health of citizens.

## View

To be an inclusive and diverse community that seeks scientific rigour, with international projection that conducts networked research, is committed to innovation, technological development and health results.

## Values

The Values of the Health Research Institute of the Hospital Clínico San Carlos are:

- ▶ Proximity
- ▶ Continuous Improvement
- ▶ Transparency

## Annual milestones

**IdISSC celebrates ten years as an accredited institute**



**1 meeting forum for doctoral student researchers**



**European funding awarded to 1 projects**



Stratification of Patients using advanced Integrative modeling of Data Routinely acquired for diagnosing Rheumatic complaints.

HORIZON EUROPA, TOPIC: HORIZON-HLTH-2022-TOOL-12-01-two-stage (IP: Luis Rodríguez Rodríguez. IIIA.3 Patología musculoesquelética)

**3 new REACT-EU innovation projects (HealthStart Plus)**



**8 health research projects**



**Of 1 project for the acquisition of Scientific-Technical Equipment and Infrastructures (PI: Miguel de la Hoya Mantecón. ONC.1 Clinical and Translational Research in Oncology).**



**Award of 1 I+D+I projects related to Personalized Medicine and Advanced Therapies: ALMA. Artificial Intelligence for diagnosis, treatment and prognosis of hematologic diseases (PI: Celina Benavente Cuesta OGS.24 Haematology)**



**Concession of 2 Río Hortega, 1 Joan Rodés, 1 Juan de la Cierva and 1 Sara Borrel contracts.**



**10 research groups were incorporated to the new scientific area Advanced Technologies and Model Translation**



**Tecnologías Avanzadas y Traslación de Modelos**

**Creation of the new core facilities: Experimental Cancer Therapy Unit**



**Awards for Excellence 2022: "Antonio Gimbernat" and scientific works**

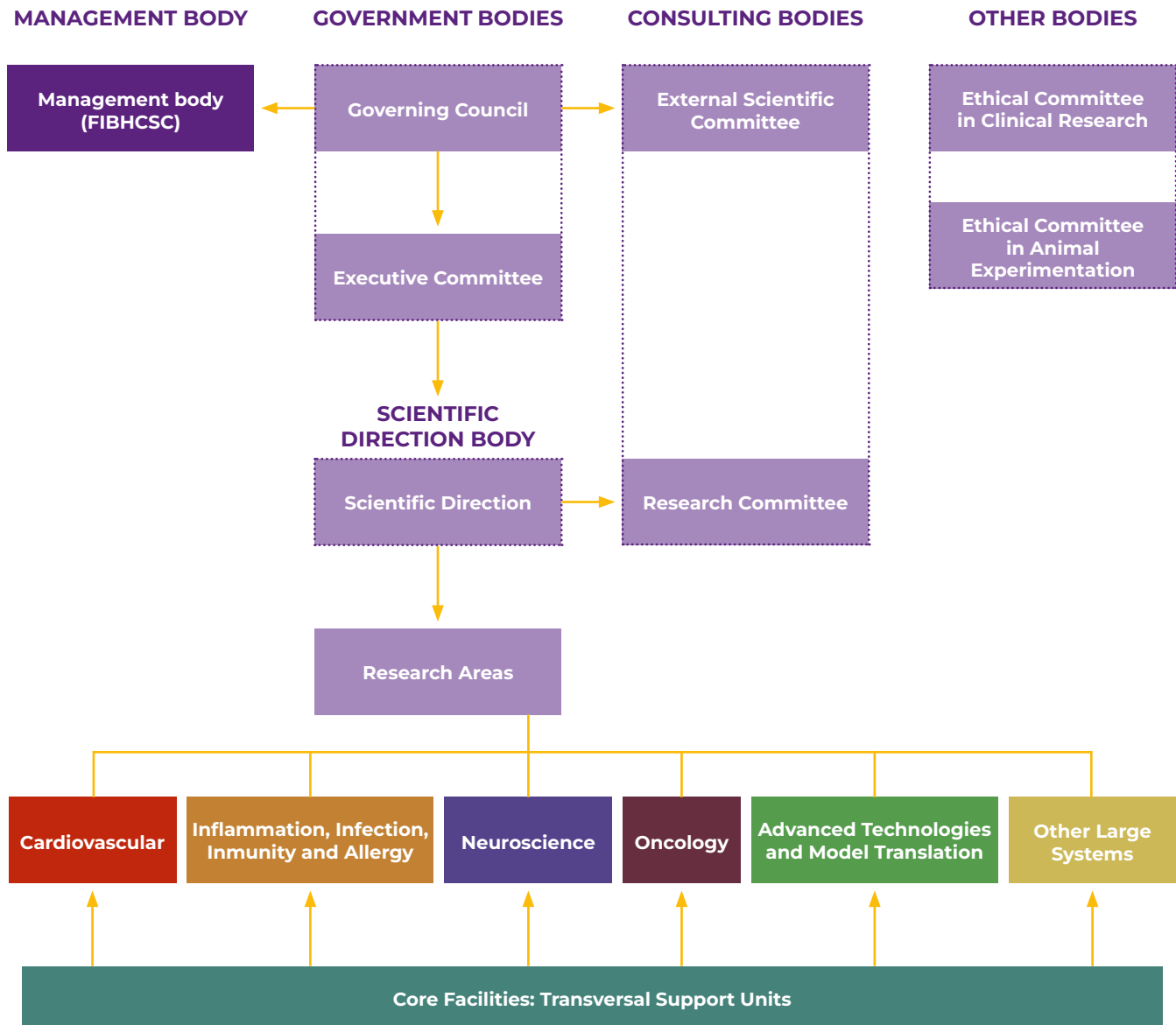


**4 research projects funded Groups: ONC.4, CV.8, TEC.9, NEC.7**



## IdISSC organisation

### Organisational chart



## The board of Governors

Governance is exercised through the following boards and committees:

### President

Manuel Molina Muñoz	Full position at SERMAS
---------------------	-------------------------

### 1º Vicepresidents

Margarita San Andrés Moya	Chancellor of the Universidad Complutense de Madrid (UCM)
---------------------------	---

### 2º Vicepresidents

Asunción Gómez Pérez	Chancellor of the Universidad Politécnica de Madrid (UPM)
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### Members

José Luis Álvarez-Sala Walther	Member of the Department of Health
Javier Arias Díaz	President of the Research Committee of HCSC
María Luz de los Mártires Almingol	Member of the Directorate General of Research, Training and Innovation
M <sup>º</sup> Jesús Fernández Aceñero	Member of the Department of Health
Mar García Arenillas	President of the Clinical Research Ethics Committee
Carlos Macaya Miguel	Member of the Department of Health
Antonio Portolés Pérez	Member of the Universidad Complutense de Madrid
Julio Mayol Martínez	Member of the Department of Health
María Luaces Méndez	President of the FIBHCSC Scientific Committee
Joaquín Poch Broto	President of the FIBHCSC Advisory Board
José Francisco Soto Bonel Julio Zarco Rodríguez	Director of the Hospital Clínico San Carlos
Elena Urcelay García	Scientific Director of IdISSC

### Secretary

Joana Modolell Aguilar	Director of FIB HCSC
------------------------	----------------------

## Delegated Committee

### President

José Francisco Soto Bonel Julio Zarco Rodríguez	Director of the Hospital Clínico San Carlos
--	---

### Members

Jose Luis Carreras Delgado	UCM Researcher attached to IdISSC
Carina José Escobar Manero	Patient representative
Montserrat Fernández Rivas	HCSC Researcher attached to IdISSC
Gustavo Víctor Guinea Tortuero	UPM Researcher attached to IdISSC
Rocío Herrero Vanrell	UCM Researcher attached to IdISSC
Jose Martínez Orgado	HCSC Researcher attached IdISSC
Elena Urcelay García	Scientific Director of IdISSC

### Secretary

Joana Modolell Aguilar	Director of FIB HCSC
------------------------	----------------------

## The scientific advisory board

Lisardo Boscá Gomar	Instituto de Investigaciones Biomédicas Alberto Sols (CSIC-UAM)
Juan Iovanna	(DRCE INSERM), Center of Research in Cancerology of Marseille (CRCM)
Adolfo García Sastre	Icahn School of Medicine at Mount Sinai
María Isabel Loza	ERIC EU-OPENSCREEN
Matilde Sánchez Ayuso	Centro de Investigaciones Biológicas (CIB) del CSIC
Antonio Sarria	ISCI
Ana Isabel Cuenda Méndez	Investigadora Científica del Departamento de Inmunología y Oncología del Centro Nacional de Biotecnología (CNB) del CSIC

## The scientific committee

### President

Elena Urcelay García	Stabilised researcher and Consolidated group (HCSC - IIIA - HCSC - IIIA)
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### Vicepresident

Magdalena Torres Molina	UCM - NEC
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### Members

Lydia Abasolo Alcázar	Area Manager (HCSC - IIIA)
Rocío Anula	Area Manager (HCSC - TEC)
Silvia Corrochano	FIBHCSC - NEC
María Inmaculada Domínguez Mozo	Predoctoral Researcher (FIBHCSC - NEC)
Enrique Gómez Aguilera	UPM
Adela González Jiménez	Predoctoral Researcher (FIBHCSC - IIIA)
Nieves Gonzalo	HCSC - CV
Ana Gutiérrez Rodríguez	Operations Coordination and International Project Management (FIBHCSC - Technical - Management Unit)
Miguel de la Hoya	Area Manager (HCSC - ONC)
María Luaces Méndez	Innovation Representative (FIBHCSC - CV - Area Manager)
Víctor Maojo	UPM
Alberto Marcos Dolado	Area Manager (HCSC - NEC)
Javier Martín Sánchez	HCSC - OGS
Ismael Ortuño Soriano	Nursing Area and Emerging Group (UCM- OGS - Jefe Área)
Ruth Serrano	Non-scientific key actor Confederation of Associations of Crohn's and Ulcerative Colitis Patients in Spain
Susana Sánchez-Gil	Technical Secretariat for Research Quality and Training Representative FIBHCSC IdISSC
Guillermo Velasco	UCM - ONC



## Fundación para la Investigación Biomédica del Hospital Clínico San Carlos (FIBHCSC) Technical Unit Personnel

Joana Modolell Aguilar	Director of FIB HCSC
Susana Sánchez Gil	Technical Secretary for Research of IdISSC
Sara Muñoz Vicente	IdISSC Manager
Marina López Pérez Ana Gutiérrez Rodríguez	International Projects Management
Margarita Idoia Esnaola Zabala	National Projects Management
Alba Sáez López	Support technician for call management and promotion
Sara Villegas de la Fuente	Legal manager and data protection
Pilar Martín-Toledano Gallego	Donations and Own Projects Management
Pilar Orozco Alonso	Clinical Trials Management
Amalia Díaz-Rubio Amate	Legal Department and Research and Development Transfer
Yasmine Zakouri Asensio	Clinical Trial Contract Management
Irene Díaz González	Legal Department
Sara Villegas de Fuentes	Legal Department and data protection
Fernando Blanco Andrino	Economic and Financial Administration
Esther Olmedilla María Miguel Horcajuelo Rivera	Human Resources Management
Esther Santamaría Herrera Carolina García Espinosa Carmen Parrilla Sánchez-Rebato Rafael de la Torre Muñoz	Administrative Support



## Research structure

It is structured in six thematic vertical areas and one transversal support area.

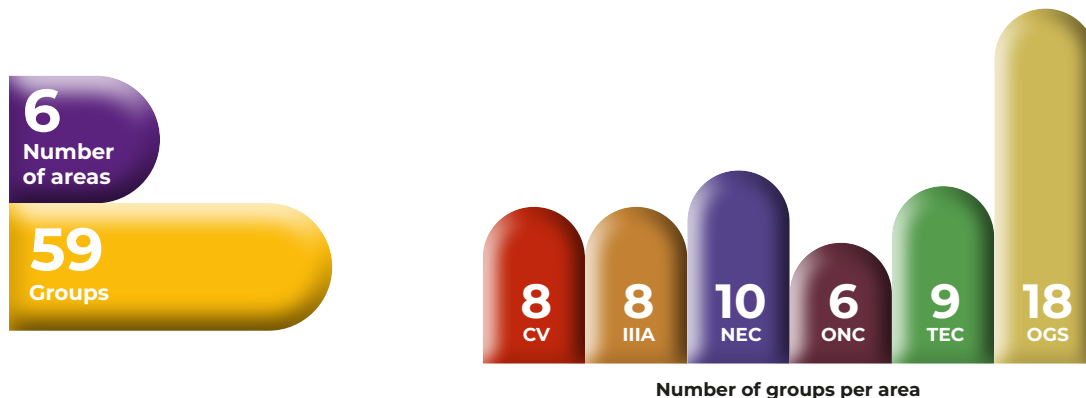
For more information on the scientific areas and research groups, please visit the IdISSC web page (<http://www.idissc.org>).

The distribution of the research groups in the thematic areas is as follows:

- ▶ 8 groups in the Cardiovascular Area. Research area lead: María Luaces Méndez.
- ▶ 8 groups Inflammation, Infection, Immunity, and Allergy Area. Research area lead: Lydia Abásolo Alcázar.
- ▶ 10 groups in the Neuroscience Area. Research area lead: Alberto Marcos Dolado.
- ▶ 6 groups in the Oncology Area. Research area lead: Miguel de la Hoya Mantecón.
- ▶ 9 groups in the Advanced Technologies and Model Translation Area. Research area lead: Rocío Anula Fernández.
- ▶ 17 groups in the Area Other Large Systems. Research area lead: Ismael Ortuño Soriano.
- ▶ 18 Transversal Research Support Units.

## Research groups by area

The IdISSC is made up of 58 research groups and 16 transversal research support units, in addition to the technical support units of the UCM and the UPM. During 2022, IdISSC has created a new area called Advanced Technologies and Model Translation with a multidisciplinary configuration with the aim of integrating the field of health technologies, data mining, digitization, predictive medicine and advanced therapies. It develops innovative and technological capabilities for the deployment of multidisciplinary projects with a solid technological base. Also, in the area of Oncology, the Pathological Anatomy group has been reactivated.



## Transversal support area

### RESEARCH AREAS

#### Flow Cytometry Unit (UCIF)

#### Genomics Unit:

Genomics and Microarrays Laboratory  
Molecular Oncology Laboratory  
Immunogenetics and Sequencing Laboratory  
Microbiota Laboratory

#### Experimental Medicine and Surgery Unit: (Animal House, Laboratories and Operating Rooms) (UMECE)

#### Research Methodological Support Unit (UAMI)

#### Biobank

#### Innovation Support Unit (UI)

#### Support unit for research ethics and clinical trial coordination committees (UACE)

#### Clinical Research and Clinical Trials Unit (UICEC)

### RESEARCH AREA LEADS

Dulcenombre Gómez Garre

Beatriz Pérez-Villamil Salgado  
Guillermo Velasco Díez  
Miguel Fernández Arquero  
Dulcenombre Gómez Garre.

Pablo Antonio González López  
María Cruz Rodríguez-Bobada González del Campo

Manuel Fuentes Ferrer

Luis Ortega Medina

Julio Ángel Mayol Martínez

M<sup>a</sup> Mar García Arenillas

Antonio Portolés Pérez

## RESEARCH AREAS

**Pharmacy Support Unit: Research Medication Management (UFAR)**

**Cell Therapy Unit. Clean Room**

**Laboratories, Offices and Clinical Services for Research Support (LABSERCLI)**

Institute of Laboratory Medicine  
Nuclear Medicine Department  
Radiodiagnosis Department

**Phase I and Clinical Pharmacology Studies Unit (UFARCLI)**

**Cell Response and Function Unit (URECEL)**

**Unit for Immunomonitoring of Cancer and Immunemediated Pathologies (UICPI)**

**Unit of experimental therapies in cancer** **NEW**

**Transversal Units of the Universidad Complutense de Madrid**

**Transversal Units of the Universidad Politécnica de Madrid**

## RESEARCH AREA LEADS

Jose Manuel Martínez Sesmero

Pilar Tornero Esteban

Mercedes Martínez-Novillo González  
Jose Luis Carreras Delgado  
Juan Arrazola García

Antonio Portolés Pérez

Elena Urcelay García  
Eduardo Anguita Mandly

Kissy Guevara Hoyer

Alberto Ocaña Fernández

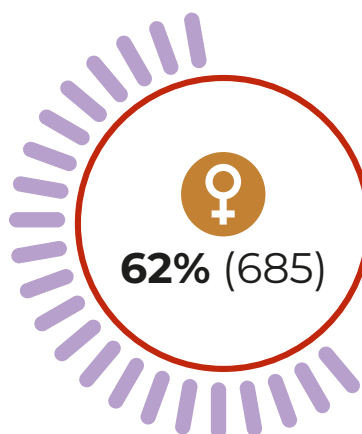
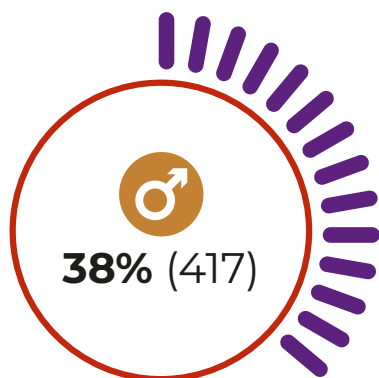
<http://www.idissc.org/investigacion-servicios-unidades-soporte-investigacion.php>

<http://www.ctb.upm.es/core-facilities/>

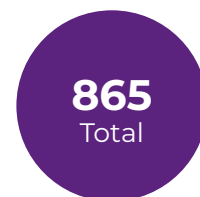
## Human resources

### Researchers attached to the IdISSC

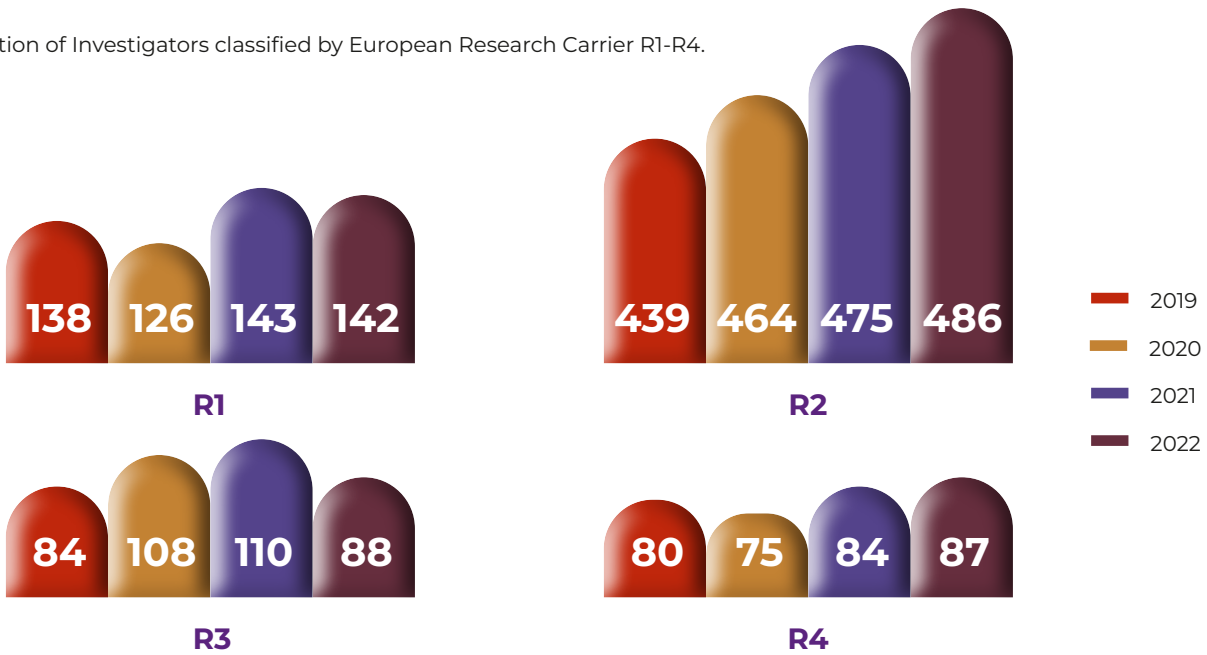
The IdISSC finished 2022 with staff comprised a total of **1.102** professionals, including researchers (**865**), support technicians (**214**) and administrative technicians (**23**).



### Investigator Personnel



Evolution of Investigators classified by European Research Carrier R1-R4.

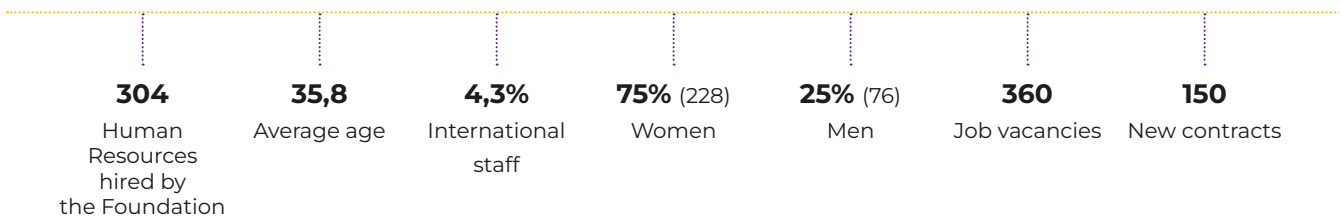


## Human resources hired by the foundation

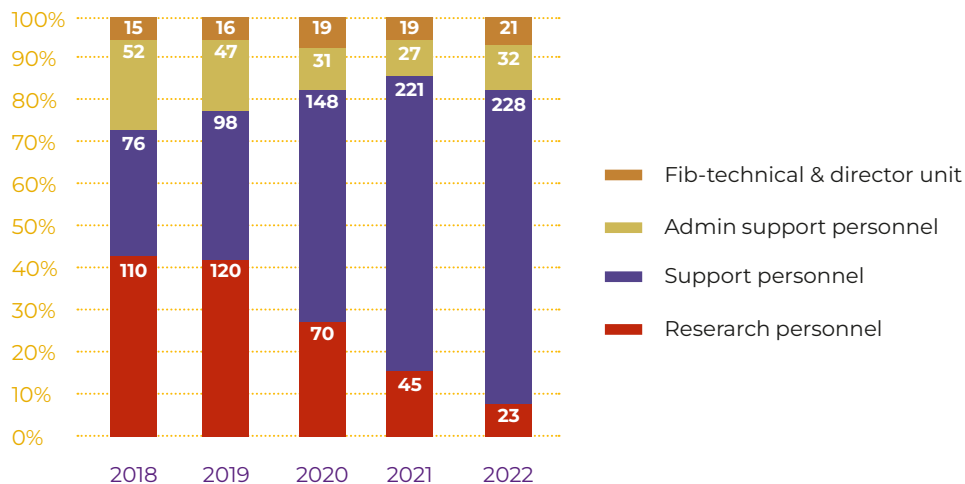
Distribution of accumulated Human Resources hired by the Foundation

FIB-HCSC CATEGORY	TOTAL
Total admin support personnel	23
Total support personnel	228
Total research personnel	32
FIB- Technical & director unit	21
<b>Total</b>	<b>304</b>

The following describes the accumulated human capital and activity data during 2022.



Evolution of accumulated Human Resources hired by the Foundation.





## Milestones of IdISSC Human Resources Strategy for Researchers (HRS4R)

In order to offer our staff the best possible working conditions, the IdISSC has committed itself to implementing the principles of the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers. In this sense, the European Commission awarded in 2018 the HR Excellence in Research (HRS4R) to the IdISSC, which implies the systematic evaluation of the associated processes and a long-term action plan.

Following the HRS4R action plan, some of the main milestones achieved in 2022 were:

- ▶ English versions of relevant institutional documentation, to facilitate the integration of foreign staff, such as: "IdISSC Strategic Research Plan" and "IdISSC Equality Plan".
- ▶ Creation of the "IdISSC Guide to Good practice in research" ( also a version in English).
- ▶ 8 initiatives to promote the professional development of the IdISSC staff.
- ▶ 5 IdISSC workers stabilized.

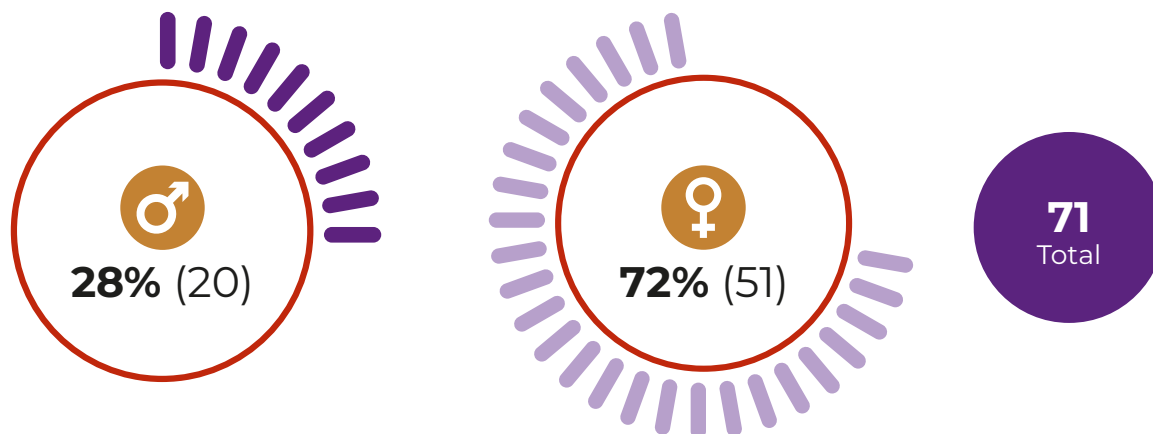


HR EXCELLENCE IN RESEARCH





## Staff financed through competitive calls for proposals active during 2022



### 1 MIGUEL SERVET CONTRACT

INSTITUTO DE SALUD CARLOS III



CP21/00020

Pablo Bascuñana Almarcha

### 5 RÍO HORTEGA CONTRACTS

INSTITUTO DE SALUD CARLOS III



CM20/00013

Ángela Carolina Espejo Paeres  
(PI: Javier Escaned Barbosa)

CM20/00098

Kissy Guevara Hoyer  
(PI: Silvia Sánchez Ramón)

CM20/00134

Niki Oikonomopoulou  
(PI: José Martínez Orgado)

CM21/00091

Gabriela Tirado Conte  
(PI: Luis Nombela Franco)

CM21/00080

Natalia Patricia Freundt Serpa  
(PI: Montserrat Fernández Rivas)

### 1 DOCTORAL CONTRACT IIS- – i-PFIS ENTERPRISE IN HEALTH SCIENCES AND TECHNOLOGIES

INSTITUTO DE SALUD CARLOS III



IF118/00036

Estíbaliz Gabicagogeasca Corta  
(PI: Guillermo Velasco Díez)

## 6 CONTRACTS FOR THE INTENSIFICATION OF RESEARCH ACTIVITY IN THE SNS

### INSTITUTO DE SALUD CARLOS III - Ministerio de ciencia e innovación



INT20/00047	José Antonio Martínez Orgado
INT20/00079	Jordi Matias-Guiu Antem
INT20/00075	Alberto Ocaña Fernández
INT21/00048	David Fraguas Herráez
INT21/00083	José Martínez de la Casa
INT21/00049	Carmen Olmos Blanco

## 1 STABILISATION PROGRAMME CONTRACT I3

### CONSEJERÍA DE SANIDAD - Comunidad de Madrid



CESI307/004	Elena Urcelay García
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## 6 STABILISATION PROGRAMME CONTRACTS I3SNS

### CONSEJERÍA DE SANIDAD - Comunidad de Madrid



CES06/001	Miguel de la Hoya Mantecón
CES07/029	Dulcenombre Gómez Garre
MSII13/00009	Roberto Álvarez Lafuente
MSII14/00019	María Concepción Pardo De Vera
MSII16/00009	Lydia Abásolo Alcázar
MSII17/00014	Luis Rodríguez Rodríguez

## 2 CONTRACTS FOR PRE-DOCTORAL AND POST-DOCTORAL RESEARCHERS

### CONSEJERIA DE EDUCACIÓN E INVESTIGACIÓN – Comunidad de Madrid



PEJD-2019-PRE/BMD-16263	Luis Carlos Fernández Beltran (IP: Silvia Corrochano Sánchez)
PEJD-2019-PRE/BMD-15101	María Corzo Martínez (IP: Concepción Núñez Pardo de Vera)

## 12 YOUTH EMPLOYMENT OPERATIONAL PROGRAMME CONTRACTS

Grants for the recruitment of research assistants and laboratory technicians co-financed by the European Social Fund through the Operational Programme for Youth Employment and the Youth Employment Initiative (YEI)

### CONSEJERIA DE EDUCACIÓN Y UNIVERSIDADES – Comunidad de Madrid



PEJ-2020-TL/BMD-18127	Patricia Quesada Manzano (PI: M <sup>a</sup> Cruz Rodríguez-Bobada González del Campo)
PEJ-2020-TL/BMD-18361	Irene Jiménez Coca (PI: Juan Antonio Barcia Albarcar)
PEJ-2020-AI/BMD-18161	Sofía Álvarez Galeano (PI: Eduardo Luis Anguita Mandly)
PEJ-2020-AI/BMD-18309	Sara Gómez Aguililla (PI: Concepción Núñez Pardo de Vera)
PEJ-2020-AI/BMD-18549	María Martínez Vega (PI: José Martínez Orgado)
PEJ-2020-AI/BMD-18691	Ada Esteban Sánchez (PI: Miguel de la Hoya Mantecón)
PEJ-2020-AI/BMD-18860	Cristina Díaz Tejeiro (PI: Alberto Ocaña Fernández)
PEJ-2021-AI/BMD-21347	Nerea Huertos Soto (PI: Carmen Soto Beauregard)
PEJ-2021-AI/BMD-22458	Irene García Toledo (PI: Jorge Matías-Guiu)
PEJ-2021-AI/IND-21188	Pablo Sarabia Ortiz (PI: Gustavo Víctor Guinea Tortuero)
PEJ-2021-AI/SAL-21905	Inés Bartolomé Asensio (PI: Pilar Garre Rubio)
PEJ-2021-TL/BMD-22565	Nadia Flores Hermosa (PI: José Martínez Orgado)

## 3 CONTRACTS Predoctoral Fellowships for Training in Health Research (PFIS)

### INSTITUTO DE SALUD CARLOS III



FI20/00145	María Valles Salgado (PI: Jordi Matias-Guiu Antem)
FI20/00186	Adrián Sanvicente García (PI: Alberto Ocaña Fernández)
FI20/00246	Nabil Alberto Subhi-Issa Marín (PI: Silvia Sánchez Ramón)

## 1 CONTRACT Bioinformatics technical

### INSTITUTO DE SALUD CARLOS III



CA21/00014	Mateo Paz Cabezas
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## 1 CONTRACT Health research management

### INSTITUTO DE SALUD CARLOS III



GIS21/00013	Mila Merino Fernández
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## 3 UNIVERSITY TEACHER TRAINING PROGRAMME CONTRACTS -FPU

### MINISTERIO DE UNIVERSIDADES



FPU16/00969	Silvia Pérez Pérez (PI: Roberto Álvarez Lafuente)
FPU20/00132	María Celeste García-Frontini Nieto (PI: Roberto Álvarez Lafuente)
FPU20/03387	Adela González Jiménez (PI: Elena Urcelay García)

## 2 TALENT ATTRACTION CONTRACTS - MODALITY I

### CONSEJERIA DE EDUCACIÓN, JUVENTUD Y DEPORTE – Comunidad de Madrid



2018-T1/BMD-10731	PI: Silvia Corrochano Sánchez
2020-5A/BMD-19731	PI: Petros Papadopoulos

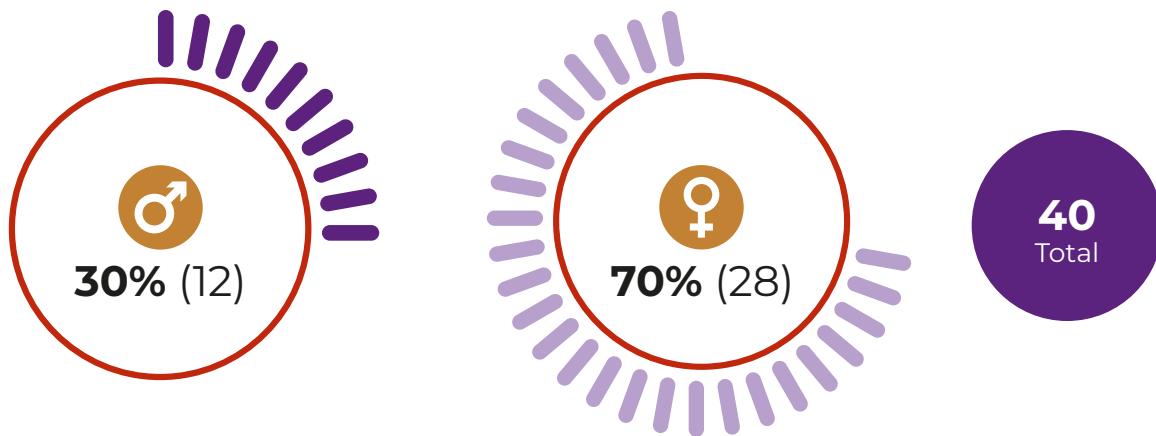
## 27 PROGRAMA INVESTIGO CONTRACTS

### CONSEJERIA DE ECONOMÍA, EMPLEO Y HACIENDA – Comunidad de Madrid



09-PIN1-00011.2/2022	Eduarne Múgica Urruzola
09-PIN1-00011.2/2022	Eduardo Salazar Hidalgo
09-PIN1-00011.2/2022	Adrián Sanz Gálvez
09-PIN1-00011.2/2022	Alejandra Gálvez Merlín
09-PIN1-00011.2/2022	Ana Conde Yañez
09-PIN1-00011.2/2022	Alysha Susana Drisell Hernández Montiel
09-PIN1-00011.2/2022	Ana María Quintana Prego
09-PIN1-00011.2/2022	Carlos Foncubierta Gutiérrez
09-PIN1-00011.2/2022	Carmen Ramos Sánchez
09-PIN1-00011.2/2022	Clara Elizabeth Gavira O'Neill
09-PIN1-00011.2/2022	Débora Gutiérrez Lloret
09-PIN1-00011.2/2022	María Elena Gómez del Pulgar Gutiérrez
09-PIN1-00011.2/2022	Elena Mostacero Morcillo
09-PIN1-00011.2/2022	Ericka Joy Canlas Pangilinan
09-PIN1-00011.2/2022	Esther Loscertales Vacas
09-PIN1-00011.2/2022	Guiomar Infante Gutiérrez
09-PIN1-00011.2/2022	Irene Isabel Gómez Delgado
09-PIN1-00011.2/2022	Jesús Jiménez Rodríguez
09-PIN1-00011.2/2022	Lobna Ramadane Morchadi
09-PIN1-00011.2/2022	Lucía Paniagua Herranz
09-PIN1-00011.2/2022	María Rebeca Lliguin León
09-PIN1-00011.2/2022	Roberto Ruiz Cano
09-PIN1-00011.2/2022	Rocío Martín O'Connor
09-PIN1-00011.2/2022	Sarah de la Fuente Martín
09-PIN1-00011.2/2022	Silvia Sánchez González
09-PIN1-00011.2/2022	Virginia Portolés Bayod
09-PIN1-00011.2/2022	Wala Ayad Ahmed

## Personnel hired through calls for research projects or platforms



### COMISIÓN EUROPEA



**Project:** Horizon 2020 - SC1-DT-ICT-12-2021 Leveraging AI based technology to transform the future of health care delivery in Leading Hospitals in Europe  
Cod: 101017331

- ▶ COLOMER ARCE, JOSE IGNACIO
- ▶ NIETO DE VICENTE-ARCHE, JORGE

**Project:** SC1-PHE-CORONAVIRUS-2020-2B. COVID eXponential Programme  
Cod: (2020)3054908

- ▶ LLORENTE SANZ, LAURA
- ▶ MARTÍNEZ CAPELLA, IGNACIO

**Project:** IMI 2: Call 14 - Topic 1. Taxonomy, Treatment, Targets and Remission. Identification of the Molecular Mechanisms of non-response to Treatments, Relapses and Remission in Autoimmune, Inflammatory, and Allergic Conditions.  
Cod: 831434

- ▶ DOMÍNGUEZ MOZO, MARÍA INMACULADA

**Project:** H2020\_IMI\_GRAVITATE-HEALTH: IMI2-2019-18-two-stage. Empowering and Equipping Europeans with health information for Active Personal Health Management and Adherence to Treatment  
Cod: 945334

- ▶ GONZÁLEZ PÉREZ, CRISTINA

**Project:** EIT HEALTH BUSINESS PLAN 2020 CALLS-INNOVATION. Value based healthcare supported by process mining tolos  
Cod: 20328

- ▶ MADRID GARCÍA, ALFREDO



## MINISTERIO DE CIENCIA E INNOVACIÓN - ISCIII

**Project:** Amantadina y estimulación magnética transcraneal para fatiga en la esclerosis múltiple: ensayo fase III, controlado, randomizado, cruzado y doble ciego.

Cod: ICI20/00074

- ▶ CUEVAS ESTANCONA, CONSTANZA ELISABET
- ▶ DÍEZ CIRARDA, MARÍA
- ▶ GIL MARTÍNEZ, LIDIA

**Project:** Efficacy, safety and cost-effectiveness of methotrexate, adalimumab, or their combination in non infectious non anterior uveitis: a multicenter, randomized, parallel 3 arm, active-controlled, phase 3 open label with blinded outcome assessment study

Cod: ICI19/00020

- ▶ DOMINGO FERNÁNDEZ, ALEXANDRA
- ▶ GARCÍA GÓMEZ, SONIA

**Project:** Planificación del alta desde urgencias para reducir reingresos a 30 días en mayores frágiles con insuficiencia cardíaca aguda: ensayo clínico aleatorizado por conglomerados pareado.

Cod: PI18/00456

- ▶ URRUTIA DE LA PLAZA, MARÍA ARANZAZU

**Project:** PLATAFORMA DE SOPORTE PARA LA INVESTIGACIÓN CLÍNICA. UICEC

Cod: PT20/00017

- ▶ ÁLEX MUÑOZ, JAVIER
- ▶ CEBRIÁN REVIEJO, LETICIA
- ▶ PÉREZ MACÍAS, NATALIA
- ▶ QUIÑONEZ SILVERO, JORGE MARIO
- ▶ TEBAR PALMERO, LUIS ALBERTO

**Project:** PLATAFORMA DE BIOBANCOS Y BIOMODELOS

Cod: PT20/00074

- ▶ CENTENO ALONSO, SARA
- ▶ GONZÁLEZ VALLE, LUÍS
- ▶ GONZALO FERNÁNDEZ, ALEJANDRO

**Project:** Dietary Assessment & Further Development of Biomarkers for All

Cod: AC21\_2/00036

- ▶ ESPADAS GIL, JOSE LUIS

**Project:** Red de Enfermedades Inflamatorias URECEL

Cod: RD21/0002/0038

- ▶ ESPINO PAISÁN, LAURA
- ▶ GARCÍA MARTÍNEZ, MARÍA ÁNGEL

**Project:** Red de Enfermedades Inflamatorias (COORDINACIÓN)

Cod: RD21/0002/0001

- ▶ SÁNCHEZ PASCUA, TERESA SOFÍA
- ▶ SEGARRA GÓMEZ, LUCÍA

**Project:** Primary care interventions to prevent maternal and child chronic diseases of perinatal and developmental origin

Cod: RD21/0012/0026

- ▶ SILVA COLMENAR, LAURA

**Project:** Red Asma, Reacciones Adversas y Alérgicas (ARADYAL)

Cod: RD16/0006/0009

- ▶ DELGADO GONZÁLEZ, ALMUDENA

**Project:** Red de Investigación en Inflamación y Enfermedades Reumáticas (RIER)

Cod: RD16/0012/0004

- ▶ GONZÁLEZ GUEDE, IRENE
- ▶ LÓPEZ RAMOS, MARÍA
- ▶ MUCIENTES RUÍZ, ARKAITZ

**Project:** RED OFTARED

Cod: RD16/0008/0004

- ▶ MORENO LÓPEZ, ELENA



## MINISTERIO DE CIENCIA E INNOVACIÓN - ISCIII



«Proyectos de I+D+i», en el marco del Programa Estatal de Generación de Conocimiento y Fortalecimiento Científico y Tecnológico del Sistema de I+D+i y del Programa Estatal de I+D+i Orientada a los Retos de la Sociedad, del Plan Estatal de Investigación Científica y Técnica y de Innovación 2017-2020.

- ▶ Fernández Beltrán, Luis Carlos
- ▶ Del Valle Díez, Laura



Convocatoria 2021 de Proyectos Orientados a la Transición Ecológica y a la Transición Digital, del Plan Estatal De Investigación Científica, Técnica y de Innovación 2021- 2023

- ▶ de Scals Carmona, Sara

## CONSEJERÍA DE EDUCACIÓN Y UNIVERSIDADES



**Project:** ITACA-CM

Cod: S2017/BMD-3738

- ▶ ALDAMA MARTÍN, MARÍA EUGENIA

## COMUNIDAD DE MADRID (CONSEJERÍA DE EDUCACIÓN, UNIVERSIDADES, CIENCIA Y PORTAVOCÍA) Y LA UNIVERSIDAD AUTÓNOMA DE MADRID

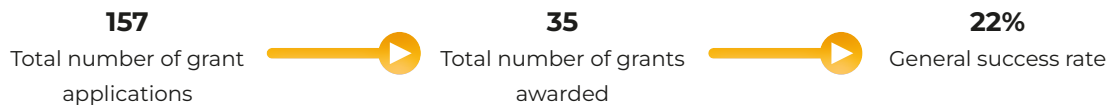


**Project:** INMUNOVACTER-CM, regulación de la respuesta inflamatoria y dinámica de la inmunidad en pacientes COVID-19 y vacunados de diferentes poblaciones de riesgo. Nuevas aproximaciones terapéuticas.

- ▶ LÓPEZ-COTARELO GARCÍA DE DIEGO, PILAR
- ▶ MAZARIEGOS ORELLANA, DIANA LETICIA
- ▶ RAPOSO LÓPEZ-PASTOR, ANDREA
- ▶ VILLANUEVA MEDINA, SARA

## Research project

### Competitive Research (Including funding from public and private agencies)

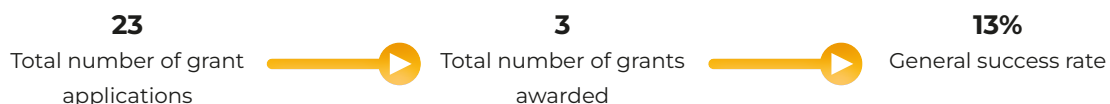


#### National grant applications



Total funding achieved: 3.838.031,86 €. **31%** of the successful projects are led by women.

#### International grant applications



Total funding achieved: 184.625 €. **67%** of the successful projects are led by women.

## Projects grants awarded in competitive calls

### INTERNATIONAL

FUNDING ENTITY	CALL	TITLE	CODE	DIRECTOR	GROUP
EUROPEAN COMMISSION	HORIZON EUROPA, TOPIC: HORIZON-HLTH-2022-TOOL-12-01-two-stage	Stratification of Patients using advanced Integrative modeling of Data Routinely acquired for diagnosing Rheumatic complaints	101080711	RODRÍGUEZ RODRIGUEZ, LUIS	IIIA.3
PFIZER-INC. ,	N/A	APPLICATION OF ARTIFICIAL INTELLIGENCE (AI) IN THE STUDY OF PREDICTIVE FACTORS OF EVOLUTION IN HEREDITARY TRANSTHYRETIN AMYLOIDOSIS (ATTRv)	22/541-E_BC	LAURA MARTÍNEZ VICENTE	NEC.6
HHV-6 Foundation	DHARAM ABLASHI RESEARCH FUND – PILOT GRANT PROGRAM	Ultrasensitive detection of anti-HHV-6 major capsid protein IgG in multiple sclerosis patients	22/580-E_BS	DOMÍNGUEZ MOZO, MARÍA INMACULADA	NEC.7

### NATIONAL

FUNDING ENTITY	CALL	TITLE	CODE	DIRECTOR	GROUP
Agencia Estatal de Investigación	Proyectos de Transición Ecológica y Transición Digital 2021	Desarrollo de tecnologías para farmacocinética no invasiva en medicina nuclear	TED2021-129933B-C21	ESPAÑA PALOMARES, SAMUEL	TEC.9
Agencia Estatal de Investigación	Proyectos de Colaboración Público-Privada 2021	Contrato Juan de la Cierva - Formación	FJC2021-047424-1	VELASCO DÍEZ, GUILLERMO	ONC.1
Agencia Estatal de Investigación	Proyectos de Colaboración Público-Privada 2021	Clinical trial to evaluate the administration of ApTOLL in Acute Myocardial Infarction. APSTEMI	CPP2021-008379	FERNÁNDEZ ORTIZ, ANTONIO IGNACIO	CV.8
Agencia Estatal de Investigación	Proyectos en líneas estratégicas 2022	Comprendiendo la radioterapia flash con dispositivos de tejido-on-chip y resonancia magnética mejorada con hiperpolarización: FLASHOnChip	PLEC2022-009256	PORRAS GALLO, ALMUDENA	ONC.
Consejo de Seguridad Nuclear	Subvenciones para la realización de proyectos de I+D+i relacionados con las funciones del Organismo.	Dosis Ocupacionales Para la Optimización en Intervencionismo Médico (DOPOIM).	SUBV-5/2022	FERNÁNDEZ SOTO, JOSÉ MIGUEL	
Federación de Asociaciones de Celiacos de España	IV premios FACE de fomento a la investigación	Estudio prospectivo en enfermedad celíaca potencial: búsqueda de biomarcadores de evolución a atrofia vellositaria y respuesta a dieta sin gluten	CNP.FACE.22	NÚÑEZ PARDO DE VERA, MARÍA CONCEPCIÓN	IIIA.2
ISCIII	Subvenciones de la Acción Estratégica en Salud 2022	Contrato para la Intensificación de la Actividad Investigadora en el SNS	INT22/00088	ESCANED BARBOSA, JAVIER	CV.1
ISCIII	Proyectos de I+D+i en Salud	Microesferas biodegradables como estrategia innovadora para la liberación subconjuntival controlada de fármacos moduladores de la cicatrización en cirugía de glaucoma.	PI22/00080	ANDRÉS GUERRERO, VANESSA	NEC.18

FUNDING ENTITY	CALL	TITLE	CODE	DIRECTOR	GROUP
ISCIII	Proyectos de I+D+i en Salud	Evaluación de cambios metabólicos tempranos como biomarcador de neurodegeneración	PI22/00446	BASCUÑANA ALMARCHA, PABLO	NEC.9
ISCIII	Proyectos de I+D+i en Salud	Ensayo clínico randomizado y doble ciego de estimulación magnética transcranial a largo plazo en la afasia progresiva primaria (reconnect-ppa)	PI22/00677	MATÍAS-GUÍU ANTEM, JORDI	NEC.6
ISCIII	Proyectos de I+D+i en Salud	Estudio del efecto renoprotector de los ISGLT2 en la enfermedad renal diabética: mecanismos antiinflamatorios y modificación de la actividad mitocondrial.	PI22/00837	GARCÍA CARRO, CLARA	IIIA.8
ISCIII	Proyectos de I+D+i en Salud	Recuperación de la función eréctil y de la continencia urinaria, tras la prostatectomía radical para el tratamiento del cáncer de próstata, utilizando materiales biohíbridos. Estudio in vitro.	PI22/00916	GOMEZ RIVAS, JUAN	ONC.1
ISCIII	Proyectos de I+D+i en Salud	Estudio preclínico en cerdo recién nacido de la eficacia cardioprotectora del cannabidiol para el daño miocárdico secundario a asfixia en tratamiento con hipotermia	PI22/01016	ARRUZA GÓMEZ, LUIS	NEC.22
ISCIII	Proyectos de I+D+i en Salud	Estudio del perfil lipídico, daño de órganos diana y composición de la microbiota intestinal en pacientes recuperados de una infección por SARS-CoV2. Implicaciones terapéuticas	PI22/01608	CORBATÓN ANCHUELO, ARTURO	CV.11
ISCIII	Proyectos de I+D+i en Salud	Ensayo clínico multicéntrico, controlado, aleatorizado y con observador ciego, para evaluar la eficacia y seguridad del colirio de insulina (1 ui/ml) en el tratamiento del defecto epitelial corneal persistente	PI22/01695	ARRIOLA VILLALOBOS, PEDRO	NEC.18
ISCIII	Contrato Sara Borrell	María Díez Cirarda	CD22/00043	MATÍAS-GUÍU ANTEM, JORDI	NEC.6
ISCIII	Subvenciones de la Acción Estratégica en Salud 2022	Río Hortega Inés Pérez Sancristobal	CM22/00044	RODRÍGUEZ RODRÍGUEZ, LUIS	IIIA.3
ISCIII	Subvenciones de la Acción Estratégica en Salud 2022	Río Hortega	CM22/00137	OCAÑA FERNANDEZ, ALBERTO	ONC.1
ISCIII	Subvenciones de la Acción Estratégica en Salud 2022	Río Hortega	CM22/00027	ESTRADA PÉREZ, VICENTE	IIIA.9
ISCIII	Adquisición de Equipamiento e Infraestructuras científico-técnicas 2022	Consolidación de la Unidad de Genómica del IdISSC	IFEQ22/00040	DE LA HOYA MANTECÓN, MIGUEL	ONC.1
ISCIII	Subvenciones de la Acción Estratégica en Salud 2022	Contratos predoctorales de formación en investigación en salud	F122/00233	VELASCO DÍEZ, GUILLERMO	ONC.5

FUNDING ENTITY	CALL	TITLE	CODE	DIRECTOR	GROUP
ISCIII	Subvenciones de la Acción Estratégica en Salud 2022	Contratos predoctorales de formación en investigación en salud	FI22/00175	CALLE PASCUAL, ALFONSO LUIS	OGS.9
ISCIII	Subvenciones de la Acción Estratégica en Salud 2022	Juan Rodés - Kissy Guevara Hoyer	JR22/00018	GUEVARA HOYER, KISSY ANNET MARÍA	IIIA.12
ISCIII	Proyectos de I+D+I vinculados a la Medicina Personalizada y Terapias Avanzadas	ALMA. Inteligencia Artificial para diagnóstico, tratamiento y pronóstico de enfermedades hematológicas.	PMPTA22/00101	BENAVENTE CUESTA, CELINA	OGS.24
Organización Nacional de Trasplantes	Subvenciones destinadas a instituciones y entidades sin ánimo de lucro para fomentar la donación y el trasplante de órganos y tejidos de origen humano 2022	Curso donación en asistolia (XVI EDICIÓN)	EXP2022/001811	DEL RÍO GALLEGOS, FRANCISCO JOSÉ	OGS.28
SOCIEDAD ESPAÑOLA DE INFECTOLOGÍA PEDIÁTRICA	BECA JOSÉ MARÍA CORREGER. INVESTIGACIÓN EN ENFERMEDADES INFECCIOSAS	RESPUESTA INMUNOLÓGICA TRAS VACUNACIÓN FRENTE SARS-COV-2 EN NIÑOS MENORES DE 12 AÑOS: COMPARACIÓN ENTRE PACIENTES CON INFECCIÓN VIH Y NIÑOS	JRA.SEIP.22	RAMOS AMADOR, JOSE TOMAS	IIIA.10

## REGIONAL

FUNDING ENTITY	CALL	TITLE	CODE	DIRECTOR	GROUP
Comunidad de Madrid - CONSEJERIA DE EDUCACIÓN, JUVENTUD Y DEPORTE	Ayudas destinadas a los investigadores de la modalidad I del programa de atracción de talento investigador de la comunidad de madrid de 2018, para su contratación y realización de actividades de i+d durante un periodo	Contrato Atracción de Talento Investigador de la Comunidad de Madrid de 2018 (Quinto Año)	2022-5A/BMD-24221	Silvia Corrochano	NEC.6
Comunidad de Madrid - CONSEJERIA DE ECONOMIA, EMPLEO Y HACIENDA	Subvenciones para la realización del Programa Investigo	Programa Investigo	09-PIN1-00011.2/2022	MODELELL AGUILAR, JOANA	UTS.14
Comunidad de Madrid	Programa de Actividades de I+D entre grupos de investigación de la Comunidad de Madrid en Biomedicina 2022	Advanced Strategies and new Approaches for Protontherapy. ASAP-CM	S2022/BMD-7434	VELASCO DÍEZ, GUILLERMO	ONC.5
Comunidad de Madrid	Programa de Actividades de I+D entre grupos de investigación de la Comunidad de Madrid en Biomedicina 2022	Madrid Innovative Neurotech Alliance MINA-CM	P2022/BMD/7236	BARCIA ALBACAR, JUAN ANTONIO	TEC.6
Comunidad de Madrid	Programa de Actividades de I+D entre grupos de investigación de la Comunidad de Madrid en Biomedicina 2022	Madrid Innovative Neurotech Alliance MINA-CM	P2022/BMD/7236	MAYOL MARTÍNEZ, JULIO ÁNGEL	TEC.7
Comunidad de Madrid	Programa de Actividades de I+D entre grupos de investigación de la Comunidad de Madrid en Biomedicina 2022	Ambiente y Genes en Esquizofrenia (AGES-CM 3)	P2022/BMD-7216	DÍAZ MARSÁ, MARINA FRANCISCA	NEC.2



## Networks and alliances

### Thematic network for cooperative health research (RETICS) - ISCIII



**RED DE INVESTIGACIÓN EN INFLAMACIÓN Y ENFERMEDADES REUMÁTICAS**  
RD16/0012/0004  
Benjamín Fernández Gutiérrez,  
GROUP: IIIA.3



**RED ESPAÑOLA DE ESCLEROSIS MÚLTIPLE**  
RD16/0015/0013  
Elena Urcelay García  
GROUP: IIIA.2  
Roberto Álvarez Lafuente  
GROUP: NEC.7



**RED DE ASMA, REACCIONES ADVERSAS Y ALÉRGICAS (ARADYAL)**  
RD16/0006/0009  
Montserrat Fernández Rivas  
GROUP: IIIA.1



**RED DE ENFERMEDADES OCULARES**  
RD16/0008/0004  
Julián García Feijóo  
GROUP: NEC.18



**RED DE ENFERMEDADES OCULARES**  
RD16/0008/0009  
Rocío Herrero Vanrell  
GROUP: TEC.3



**PRIMARY CARE INTERVENTIONS TO PREVENT MATERNAL AND CHILD CHRONIC DISEASES OF PERINATAL AND DEVELOPMENTAL ORIGIN**  
RD21/0012/0026  
José A. Martínez Orgado  
GROUP: NEC.22



**INFLAMACIÓN E INMUNOPATOLOGÍA DE ÓRGANOS Y SISTEMAS (COORDINACIÓN)**  
RD21/0002/0001  
Luis Rodríguez Rodríguez  
GROUP: IIIA.3



**INFLAMACIÓN E INMUNOPATOLOGÍA DE ÓRGANOS Y SISTEMAS**  
RD21/0002/0038  
Elena Urcelay García  
GROUP: IIIA.2



**RED DE INVESTIGACIÓN EN CRONICIDAD, ATENCIÓN PRIMARIA Y PREVENCIÓN Y PROMOCIÓN DE LA SALUD**  
RD21/0016/0001  
Daniel Muñoz Jiménez  
GROUP: OGS.18



**UNIDAD DE INVESTIGACIÓN EN CUIDADOS Y SERVICIOS DE SALUD**  
Daniel Muñoz Jiménez  
GROUP: OGS.18

Networked biomedical research centres (CIBER)- ISCIII

**ciber** | SAM

**SALUD MENTAL**  
CB/07/09/0026  
Blanca Reneses Prieto  
GROUP: NEC.1  
CB/07/09/0026  
José Luis Carrasco Perera  
GROUP: NEC.2

**ciber** | CV

**ENFERMEDADES  
CARDIOVASCULARES**  
CB16/11/00458  
Julián Pérez-Villacastín Domínguez,  
Dulcenombre Gómez Garre  
Nieves Martell Claros  
GROUPS: CV.4/CV.11

**ciber** | DEM

**DIABETES Y  
ENFERMEDADES  
METABÓLICAS ASOCIADAS**  
CB07/08/0001  
Carlos Guillén Viejo  
GROUP: OGS.6  
CB07/08/0030  
Alfonso Luis Calle Pascual  
GROUP: OGS.9

**ciber** | INFEC

**ENFERMEDADES INFECCIOSAS**  
CB21/13/00126  
Vicente Estrada Pérez  
GROUP: IIIA.9

**ciber** | BBN

**BIOINGENIERÍA,  
BIOMATERIALES Y  
NANOMEDICINA (CIBER-BBN)**  
CB06/01/1037  
Teresa Portolés Pérez  
GROUP: TEC.1

Other thematic networks



**RED ESPAÑOLA DE  
ENSAYOS CLÍNICOS  
PEDIÁTRICOS (RECLIP)**  
CONV16/155  
José Tomás Ramos  
GROUP: IIIA.10



**CARDIORED1**  
GROUPS:  
CV.1: Escaned Barbosa, Javier  
CV.2: Pérez De Isla, Leopoldo  
CV.4: Pérez-Villacastín  
Domínguez, Julián  
CV.7: Vilacosta, Isidre  
CV.8: Fernández Ortiz,  
Antonio Ignacio



**INVESTIGACIÓN  
TRASLACIONAL DE  
ARRITMIAS CARDIACAS  
SECUNSAARIAS A  
CANALOPATÍAS**  
Isidre Vilacosta  
GROUP: CV.7



**IDENTIFYING BIOMARKERS  
THROUGH TRANSLATIONAL  
RESEARCH FOR PREVENTION  
AND STRATIFICATION OF  
COLORECTAL CANCER**  
CA17118  
Beatriz Pérez-Villamil  
GROUP: ONC.1



**PAN-EUROPEAN NETWORK  
IN LIPIDOMICS AND  
EPILIPIDOMICS**  
CA19105  
Silvia Corrochano  
GROUP: NEC.6



**EUROPEAN  
CLINICAL RESEARCH  
INFRASTRUCTURE  
NETWORK**  
IdISSC: Scientific Partner  
Emilio Vargas  
Antonio Portolés  
GROUP: OGS.12



**EUROPEAN INSTITUTE  
OF INNOVATION AND  
TECHNOLOGY (EIT) HEALTH**  
SERMAS ASSOCIATED  
MEMBER



**RED DE ENTIDADES  
GESTORAS DE  
INVESTIGACIÓN CLÍNICA**  
IdISSC ASSOCIATED  
MEMBER



**CONFEDERACIÓN DE SOCIEDADES CIENTÍFICAS DE ESPAÑA**  
IdISSC ASSOCIATED MEMBER



**BIOMAD: BIOREGIÓN DE SALUD Y BIENESTAR**  
FUNDACIÓN PARA LA INVESTIGACIÓN BIOMÉDICA HCSC IdISSC ASSOCIATED MEMBER



**RED DE LABORATORIOS E INFRAESTRUCTURAS**  
Nº Registro: 325 - Laboratorio de Genómica y Microarrays  
Beatriz Pérez-Villamil Salgado  
GROUP: ONC.1



**RED DE LABORATORIOS E INFRAESTRUCTURAS**  
Nº Registro: 424 - Laboratorio de Microbiota  
Dulcenombre Gómez Garre  
GROUP: CV.11



**CONSORCIO DE INVESTIGADORES DE MODIFICADORES DE BRCA1/2**  
Miguel De La Hoya Mantecón  
GROUP: ONC.1



**CONSORCIO DE LA ASOCIACIÓN DE CÁNCER DE MAMA**  
Miguel De La Hoya Mantecón  
GROUP: ONC.1



**RED BASADA EN EVIDENCIA PARA LA INTERPRETACIÓN DE ALELOS MUTANTES DE LA LÍNEA GERMINAL**  
Miguel De La Hoya Mantecón  
GROUP: ONC.1



**INVICTUS RED DE ENFERMEDADES VASCULARES CEREBRALES**  
RD12/0014/0003  
Magdalena Torres Molina  
GROUP: NEC.20

## Platforms supporting research in health sciences and technologies - ISCIII



**PLATAFORMA DE BIOBANCOS**  
PT20/00074  
Ortega Medina, Luis  
GROUP: ONC.3  
Cumulative staff recruited: 3  
10 189 registered samples  
2 938 provided samples



**CLINICAL RESEARCH AND CLINICAL TRIALS UNIT**  
PT20/00017  
PORTOLÉS PÉREZ, ANTONIO  
Group: OGS.12  
Cumulative Staff recruited: 5  
23 projects managed  
117 monitored recruiting centres  
Participation in 3 international projects  
3965 monitored patients



**PLATAFORMA DE DINAMIZACIÓN E INNOVACIÓN DE LAS CAPACIDADES INDUSTRIALES DEL SISTEMA NACIONAL DE SALUD**  
ASSOCIATED NODO  
María Luaces Méndez

## Funding sources

### Income

	INCOME	OVERHEADS	TOTAL INCOME
Grants	3.307.086,61	315.558,26	3.622.644,87
Donations	369.952,25	27.063,82	397.016,07
Partnership and sponsorship agreements	682.457,59	90.095,57	772.553,16
Scientific research (clinical trials, collaborations...)	5.650.265,91	1.983.487,85	7.633.753,76
Financial Income	59.020,66		59.020,66
Benefits in financial instruments	521.829,69		521.829,69
Extraordinary income	15.396,57		15.396,57
	<b>10.606.009,28</b>	<b>2.416.205,50</b>	<b>13.022.214,78</b>

### Expenses

Gastos / inversiones	Publicly funded research projects	Privately funded research projects	Clinical research projects	Activity specific to the Strategic Plan	Total Activities	Not allocated to activities	TOTAL
	Amount	Amount	Amount	Amount	Amount	Amount	Amount
Personnel costs	2.269.993,84	882.370,53	2.787.907,18	1.019.251,08	6.959.522,63	0,00	6.959.522,63
Procurement	471.760,93	194.065,91	142.784,13	7.613,04	816.224,01	0,00	816.224,01
Other activity costs	236.524,49	174.288,79	1.979.561,02	142.766,40	2.533.140,70	109.735,86	2.642.876,56
Monetary, non-monetary, other aids	416.059,08	139.344,18	1.028.514,18	34.520,12	1.618.437,56	0,00	1.618.437,56
Depreciation of fixed assets	160.529,06	108.382,34	133.129,44	49.361,03	451.401,87	0,00	451.401,87
Valuation of Financial Instruments	125.343,60	47.377,36	275.135,71	0,00	447.856,67	0,00	447.856,67
Extraordinary expenses	7.898,80	3.151,24	17.338,29	0,00	28.388,33	0,00	28.388,33
<b>Total costs (€)</b>	<b>3.688.109,80</b>	<b>1.548.980,35</b>	<b>6.364.369,95</b>	<b>1.253.511,67</b>	<b>12.854.971,77</b>	<b>109.735,86</b>	<b>12.964.707,63</b>

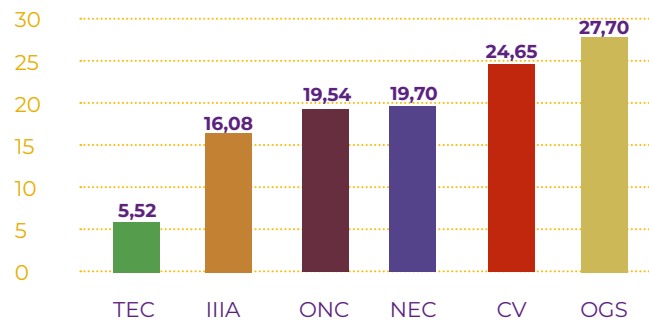
## Scientific production

IdISSC researchers published a total of 1,213 documents in the WoS (Core Collection) in 2022, of which 902 are citable documents, i.e. articles and reviews. The production values by scientific areas and their contribution to the Institute as a whole are shown below.

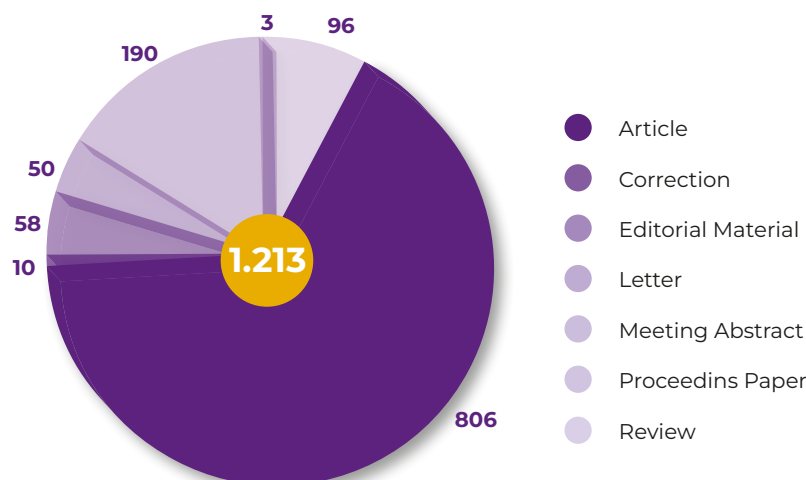
### WoS scientific production by IdISSC area

AREA	Nº OF PAPERS (WoS)	Nº OF CITABLE ITEMS
OGS	336	270
CV	299	218
NEC	239	177
ONC	237	175
IIIA	195	131
TEC	67	56

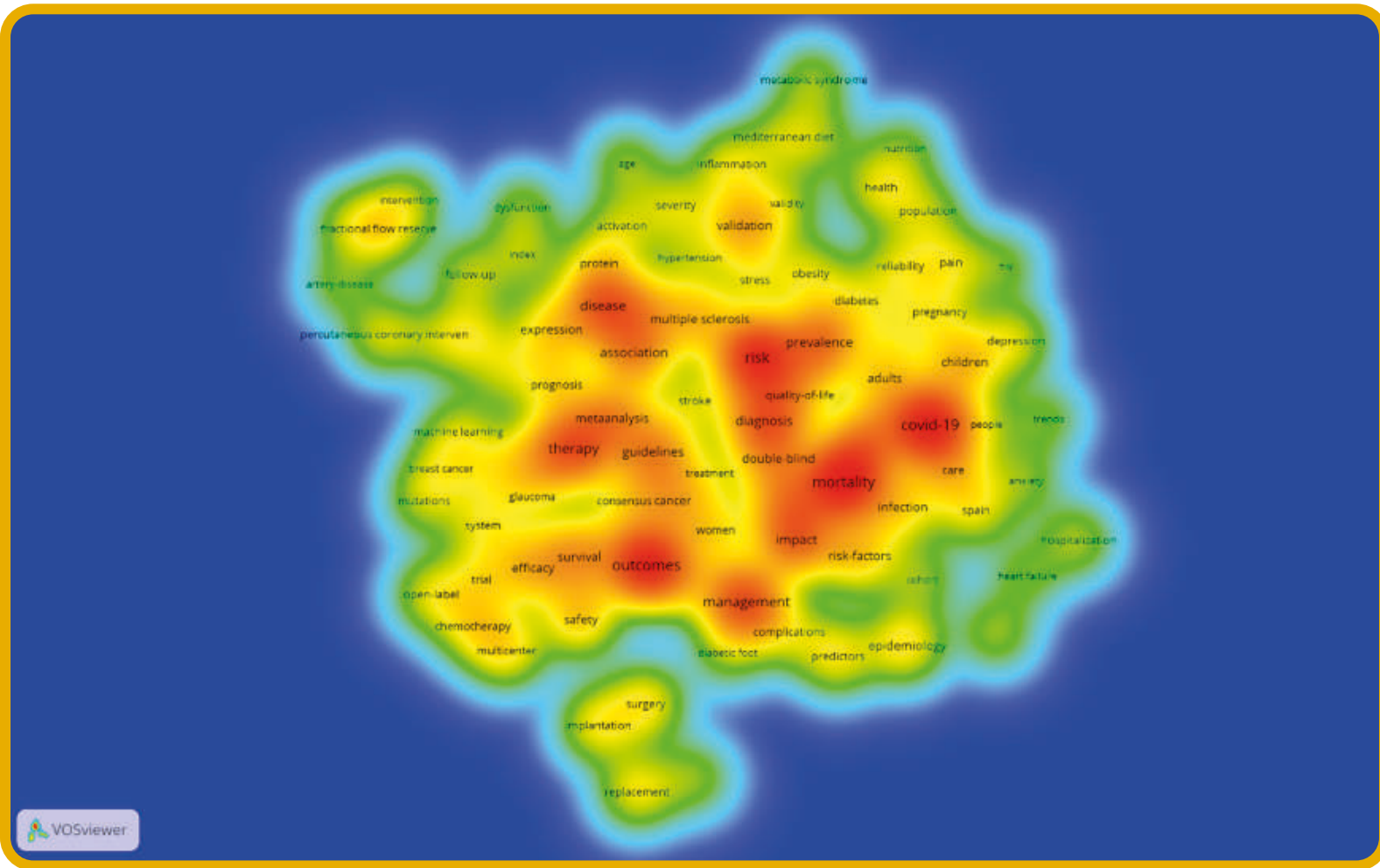
### Contribution by scientific area to IdISSC production in the WoS



### IdISSC scientific production by document type



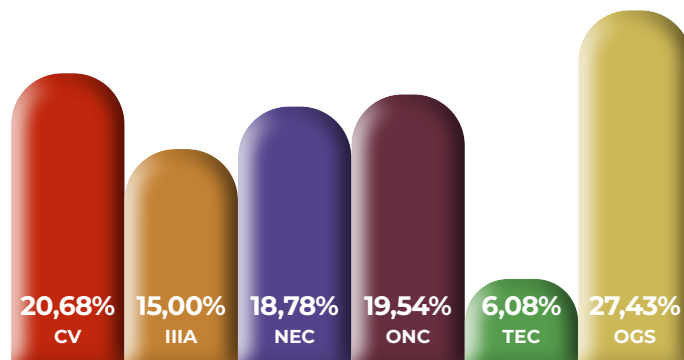
**Keywords (> 5 frequency)**



**Open access**

IdISSC publishes 61% (740 documents) in open access journals and 607 of these documents are published in Gold OA journals..

**Contribution by scientific area to the OA scientific production of the IdISSC**

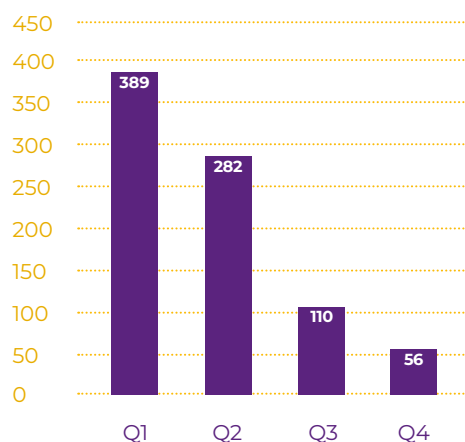


**Impact and Visibility**

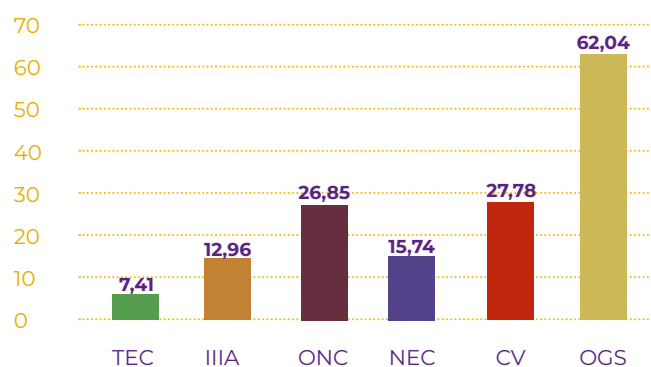
Of the total scientific production in 2022, 93.15% (1,130 documents) are included in the JCR and, of these, 902 (74.36%) are citable documents. The 43.13% (389) of the citable items are in Q1 journals and the 11.97% (108) of the citable items are in D1 journals.



## IdISSC scientific production by quartile



## Contribution by scientific area to IdISSC production in the first decile



## Top 10 journals with the highest publication rate

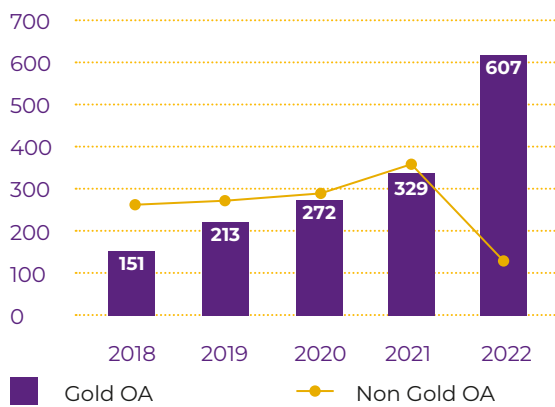
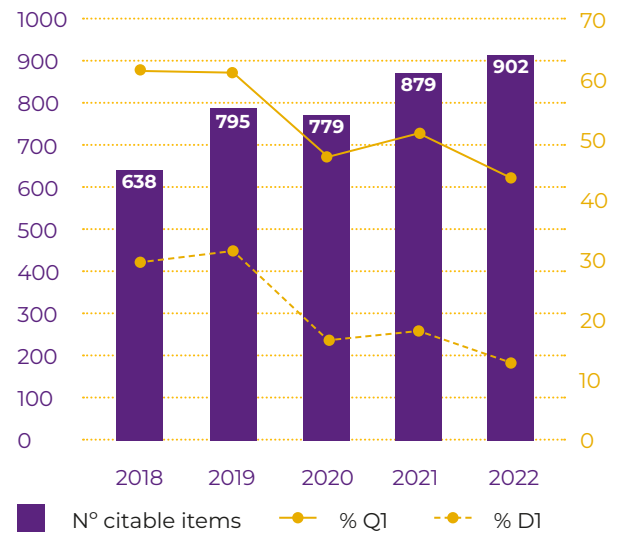
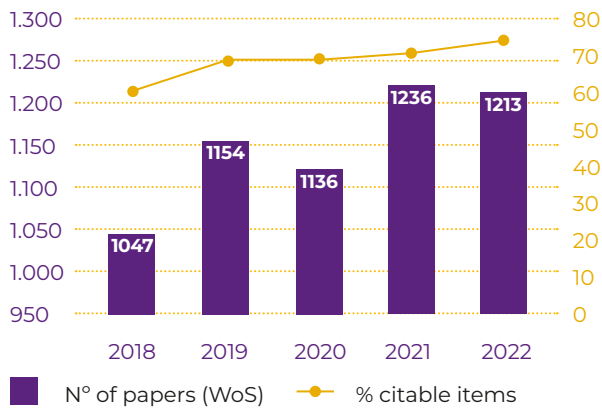
IdISSC researchers published in a total of 505 different journals in 2022. The following table shows the 10 journals with the highest number of publications, which represent 18.87 (229 documents) of the total scientific production in the WoS for this year. 70% of the journals are included in the first quartile of the JCR 2022 and four of them are in the Top 10 positions in the WoS category.

JOURNAL	Nº OF PAPERS (WoS)	QUARTIL 2022	WoS CATEGORY	ARTICLE INFLUENCE SCORE 2022	JOURNAL CITATION INDICATOR 2022	IF (WITHOUT SELF-CITATIONS) 2022
Journal of Clinical Medicine	54	Q2 (58/167)	MEDICINE, GENERAL & INTERNAL	0.908	0.95	3.6
EUROPEAN HEART JOURNAL	28	Q1 (2/142)	CARDIAC & CARDIOVASCULAR SYSTEMS	10.592	6.84	36.6
ANNALS OF ONCOLOGY	25	Q1 (5/241)	ONCOLOGY	11.091	6.13	50
Cancers	21	Q2 (72/241)	ONCOLOGY	1.096	0.92	4.7

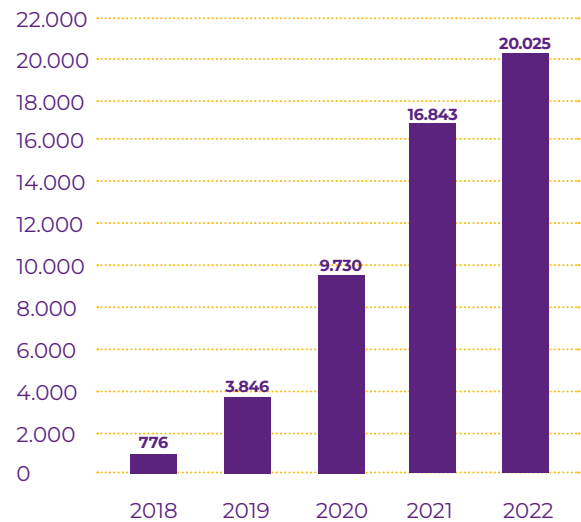
JOURNAL	Nº OF PAPERS (WoS)	QUARTIL 2022	WoS CATEGORY	ARTICLE INFLUENCE SCORE 2022	JOURNAL CITATION INDICATOR 2022	IF (WITHOUT SELF-CITATIONS) 2022
MULTIPLE SCLEROSIS JOURNAL	21	Q1 (31/212)	CLINICAL NEUROLOGY	1.509	1.30	5.4
JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY	18	Q1 (4/142)	CARDIAC & CARDIOVASCULAR SYSTEMS	9.588	4.85	23.2
International Journal of Environmental Research and Public Health	17	NO JCR	NA	NA	NA	NA
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	16	Q1 (66/285)	BIOCHEMISTRY & MOLECULAR BIOLOGY	1.028	0.71	5
REVISTA ESPANOLA DE CARDIOLOGIA	16	Q1 (35/142)	CARDIAC & CARDIOVASCULAR SYSTEMS	1.021	1.61	5.1
JOURNAL OF CLINICAL ONCOLOGY	13	Q1 (7/241)	ONCOLOGY	13.979	5.37	44.3

## IdISSC Scientific Production (2018-2022)



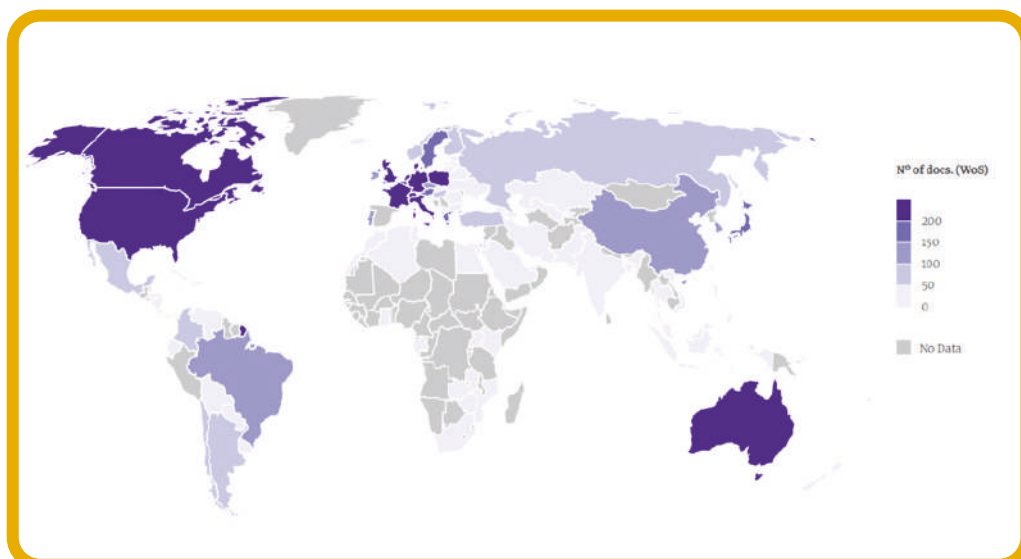


### Times cited by year



\* WoS download 25.07.2022

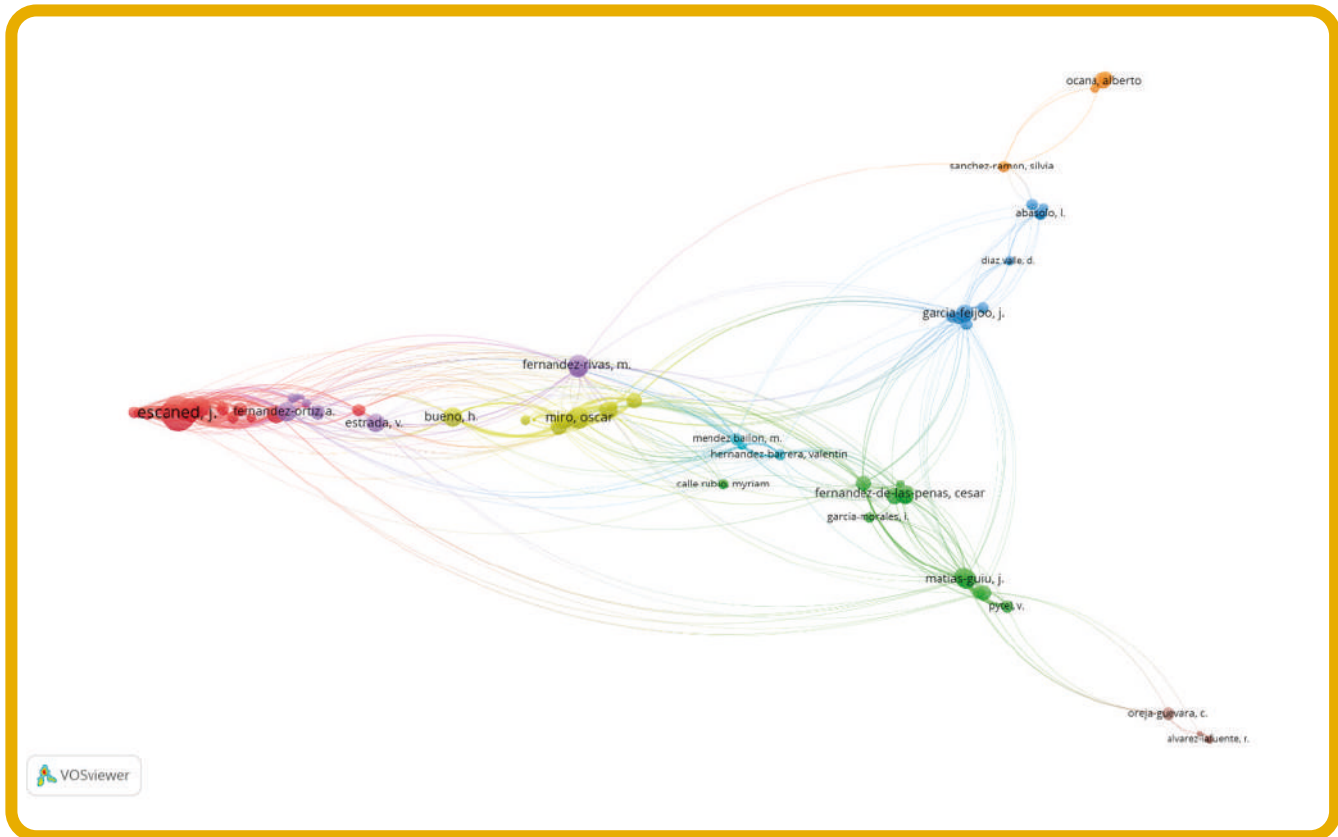
### International Scientific Collaboration by country



## Top 10: Most cited papers

JOURNAL	JOURNAL	TIMES CITED	TIMES CITED	QUARTIL	WOS CATEGORY	ARTICLE INFLUENCE SCORE	OA TYPE
Prevalence of SARS-CoV-2 in Spain (ENE-COVID): a nationwide, population-based seroepidemiological study	LANCET	1086	2020	Q1 (2/167)	MEDICINE, GENERAL & INTERNAL	29.073	Non Gold OA
Albiglutide and cardiovascular outcomes in patients with type 2 diabetes and cardiovascular disease (Harmony Outcomes): a double-blind, randomised placebo-controlled trial	LANCET	941	2018	Q1 (2/304)	MEDICINE, GENERAL & INTERNAL	21.680	Non Gold OA
Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition)	Autophagy	734	2021	Q1 (22/195)	CELL BIOLOGY	3.480	Gold OA
Ticagrelor with or without Aspirin in High-Risk Patients after PCI	NEW ENGLAND JOURNAL OF MEDICINE	535	2019	Q1 (1/165)	MEDICINE, GENERAL & INTERNAL	31.294	Non Gold OA
Risk of HIV transmission through condomless sex in serodifferent gay couples with the HIV-positive partner taking suppressive antiretroviral therapy (PARTNER): final results of a multicentre, prospective, observational study	LANCET	468	2019	Q1 (2/312)	MEDICINE, GENERAL & INTERNAL	23.329	Gold OA
Immediate and long-term impact of the COVID-19 pandemic on delivery of surgical services	BRITISH JOURNAL OF SURGERY	428	2020	Q1 (11/211)	SURGERY	2.265	Gold OA
Polygenic Risk Scores for Prediction of Breast Cancer and Breast Cancer Subtypes	AMERICAN JOURNAL OF HUMAN GENETICS	406	2019	Q1 (10/178)	GENETICS & HEREDITY	5.431	Non Gold OA
EAACI Guidelines on Allergen Immunotherapy: Allergic rhinoconjunctivitis	ALLERGY	387	2018	Q1 (4/27)	ALLERGY	1.884	Gold OA
AR101 Oral Immunotherapy for Peanut Allergy	NEW ENGLAND JOURNAL OF MEDICINE	355	2018	Q1 (1/160)	MEDICINE, GENERAL & INTERNAL	30.627	Non Gold OA
Efficacy and safety of baricitinib for the treatment of hospitalised adults with COVID-19 (COV-BARRIER) : a randomised, double-blind, parallel-group, placebo- controlled phase 3 trial	LANCET RESPIRATORY MEDICINE	334	2021	Q1 (1/66)	RESPIRATORY SYSTEM	21.346	Non Gold OA

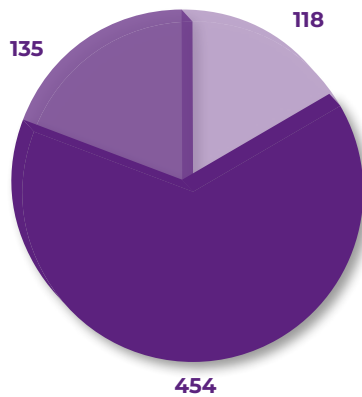
## Most cited authors ( > 30 docs)



**Clinical studies**

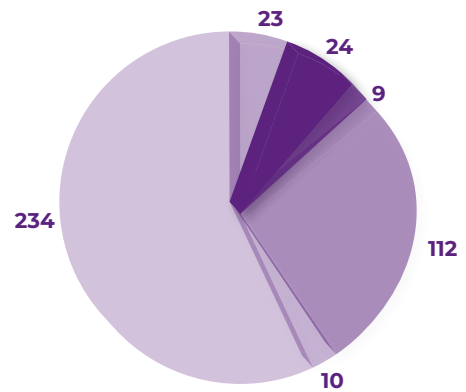
**705** Total active studies  
**452** Active Clinical Trials  
**134** New Clinical Trials signed 2022  
**25%** Studies Academic Research

**Type of studies**



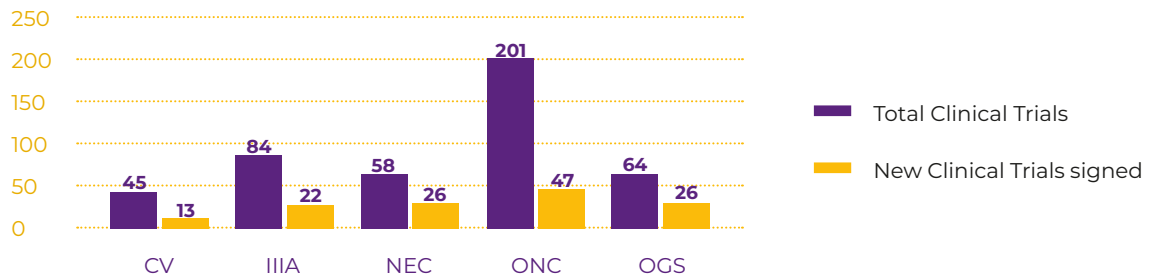
- Clinical Trials
- Observational Studies
- Epidemiological/Others

**Clinical Trials: Type of phase**

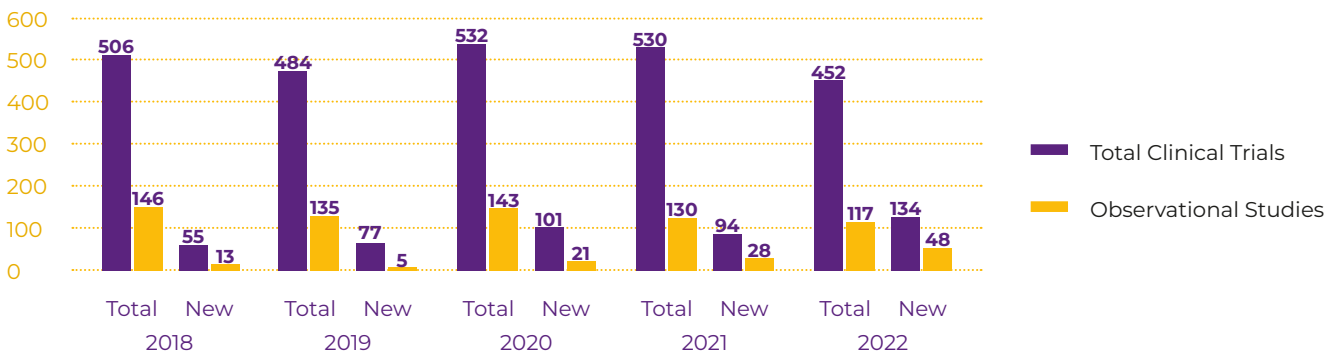


- I
- I/II
- II
- II/III
- III
- IV

**Clinical Trials: Studies by area**

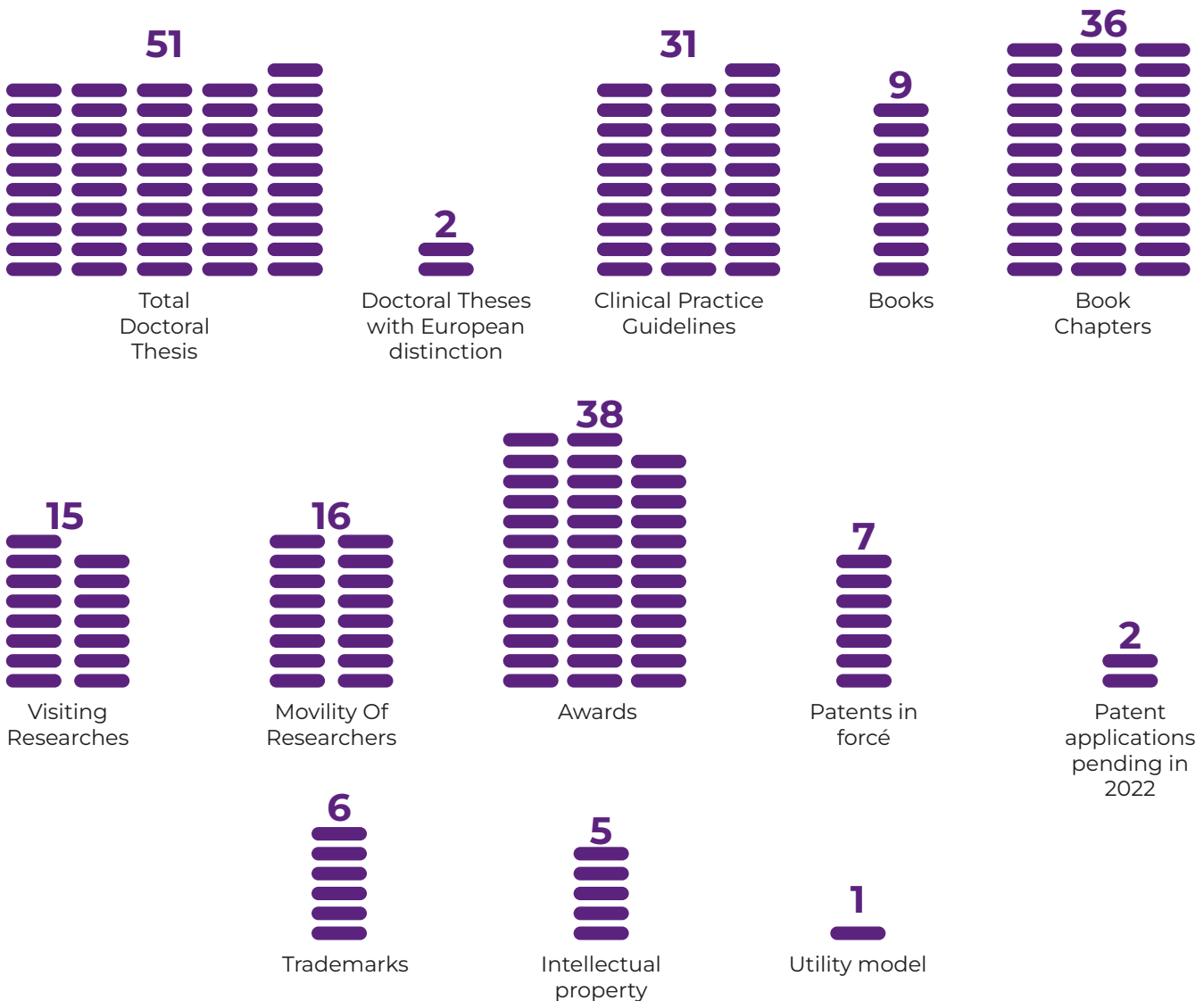


**Evolution of clinical studies**





## Transfer and other research indicators



### Clinical Practice Guidelines

**1.** Gorostidi M, Gijón-Conde T, de la Sierra A, Rodilla E, Rubio E, Vinyoles E, Oliveras A, Santamaría R, Segura J, Molinero A, Pérez-Manchón D, Abad M, Abellán J, Armario P, Banegas JR, Camafort M, Catalina C, Coca A, Divison JA, Domenech M, Martell N, Martín-Rioboó E, Morales-Olivas F, Pallarés V, Pérez de Isla L, Prieto MA, Redón J, Ruilope LM, García-Donaire JA. Guía práctica sobre el diagnóstico y tratamiento de la hipertensión arterial en España, 2022. Sociedad Española de Hipertensión - Liga Española para la Lucha contra la Hipertensión Arterial (SEH-LELHA). 2022. Editorial: Elsevier Espana, S.L.U. ISBN/DOI: 1889-1837. Group: CV.11.

**2.** Gorostidi, M., Gijon-Conde, T., de la Sierra, A., Rodilla, E., Rubio, E., Vinyoles, E., Oliveras, A., Santamaría, R., Segura,

J., Molinero, A., Perez-Manchon, D., Abad, M., Abellan, J., Armario, P., Banegas, J. R., Camafort, M., Catalina, C., Coca, A., Divison, J. A., Domenech, M., Martell, N., Martin-Rioboo, E., Morales-Olivas, F., Pallares, V, PÉREZ DE ISLA, LEOPOLDO, Prieto, M. A., Redon, J., Ruilope, L. M., GARCIA DONAIRE, JOSE ANTONIO. 2022 Practice guidelines for the management of arterial hypertension of the Spanish Society of Hypertension. HIPERTENSION Y RIESGO VASCULAR. 2022. Editorial: Elsevier Espana. ISBN/DOI: 10.1016/j.hipert.2022.09.002. Group: CV.2.

**3.** Cosio, Borja G., Hernandez, Carme, Chiner, Eusebi, Gimeno-Santos, Elena, Pleguezuelos, Eulogio, Seijas, Nuria, Rigau, David, Luis Lopez-Campos, Jose, Jose Soler-Cataluna, Juan, CALLE RUBIO, MYRIAM, Miravittles, Marc, Casanova, Ciro, GesEPOC 2021 Task Force. Spanish

COPD Guidelines (GesEPOC 2021): Non-pharmacological Treatment Update. ARCHIVOS DE BRONCONEUMOLOGIA. 2022. Editorial: EDICIONES DOYMA S A. ISBN/DOI: 10.1016/j.arbres.2021.08.024. Group: CV.6.

**4.** Luis Lopez-Campos, Jose, Almagro, Pere, Tomas Gomez, Jose, Chiner, Eusebi, Palacios, Leopoldo, Hernandez, Carme, Dolores Navarro, M., Molina, Jesus, Rigau, David, Jose Soler-Cataluna, Juan, CALLE RUBIO, MYRIAM, Cosio, Borja G., Casanova, Ciro, Miravittles, Marc, GesEPOC 2021 Work Team. Spanish COPD Guideline (GesEPOC) Update: Comorbidities, Self-Management and Palliative Care. ARCHIVOS DE BRONCONEUMOLOGIA. 2022. Editorial: EDICIONES DOYMA S A. ISBN/DOI: 10.1016/j.arbres.2021.08.023. Group: CV.6.

**5.** Soler-Cataluna, Juan Jose, Pinera, Pascual, Antonio Trigueros, Juan, CALLE RUBIO, MYRIAM, Casanova, Ciro, Cosio, Borja G., Lopez-Campos, Jose Luis, Molina, Jesus, Almagro, Pere, Gomez, Jose-Tomas, Antonio Riesco, Juan, Simonet, Pere, Rigau, David, Soriano, Joan B., Ancochea, Julio, Miravittles, Marc, Grp Trabajo GesEPOC 2021. Spanish COPD Guidelines (GesEPOC) 2021 Update Diagnosis and Treatment of COPD Exacerbation Syndrome. ARCHIVOS DE BRONCONEUMOLOGIA. 2022. Editorial: EDICIONES DOYMA S A. ISBN/DOI: 10.1016/j.arbres.2021.05.011. Group: CV.6.

**6.** Muraro, Antonella, Worm, Margitta, Alviani, Cherry, Cardona, Victoria, DunnGalvin, Audrey, Garvey, Lene Heise, Riggioni, Carmen, de Silva, Debra, Angier, Elizabeth, Arasi, Stefania, Bellou, Abdelouahab, Beyer, Kirsten, Bijlhout, Diola, Bilo, Maria Beatrice, Bindslev-Jensen, Carsten, Brockow, Knut, FERNÁNDEZ RIVAS, MARÍA MONTSERRAT, Halken, Susanne, Jensen, Britt, Khaleva, Ekaterina, Michaelis, Louise J., Oude Elberink, Hanneke N. G., Regent, Lynne, SÁNCHEZ MUÑOZ, ARÁNZA, Vlieg-Boerstra, Berber J., Roberts, Graham, European Acad Allergy Clinical Imm. EAACI guideline: Anaphylaxis (2021 update). Allergy. 2022. Editorial: WILEY-BLACKWELL. ISBN/DOI: 10.1111/all.15032. Group: CV.6.

**7.** Miravittles, Marc, CALLE RUBIO, MYRIAM, Molina, Jesus, Almagro, Pere, Gomez, Jose-Tomas, Antonio Trigueros, Juan, Cosio, Borja G., Casanova, Ciro, Luis Lopez-Campos, Jose, Antonio Riesco, Juan, Simonet, Pere, Rigau, David, Soriano, Joan B., Ancochea, Julio, Jose Soler-Cataluna, Juan. Spanish COPD Guidelines (GesEPOC) 2021: Updated Pharmacological treatment of stable COPD. ARCHIVOS DE BRONCONEUMOLOGIA. 2022. Editorial: EDICIONES DOYMA S A. ISBN/DOI: 10.1016/j.arbres.2021.03.005. Group: CV.6.

**8.** CALLE RUBIO, MYRIAM, Lopez-Campos, Jose Luis, Alonso, Jose Luis Izquierdo, Pitarche, Dolores Martinez, Pascual, Milagros Iriberry, Navarreteg, Bernardino Alcazar, Falcones, Manuel Valle, Ingles, Maria Jesus Aviles, Lopez, Carlos Cabrera, Martinez, Carlos Jose Alvarez, Ruiz, Francisco Ortega, Golpe, Rafael, Gomila, Antonia Fuster, Guardia, Sergi Pascual, Miranda, Juan Antonio Riesco, Peces-Barbac, German, Garcia-Rio, Francisco, Muniz, Manuel Angel Martinez, Cosio, Borja G.. Consensus on the Management of the COPD Patient in the COVID-19 Setting: COPD Forum Working Group. ARCHIVOS DE BRONCONEUMOLOGIA. 2022. Editorial: EDICIONES DOYMA S A. ISBN/DOI: 10.1016/j.arbres.2022.04.011. Group: CV.6.

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## Protocols implemented in the HCSC

- ◆ During the year 2022, there have been no protocols implemented at Hospital Clínico San Carlos Approved.

## Patents in force

- ◆ MÉTODO DE CLASIFICACIÓN DEL CARCINOMA NO MICROCÍTICO DE PULMÓN BASADO EN LA IDENTIFICACIÓN DE UNA RESPUESTA INMUNE INTRATUMORAL. Spanish Patent no. 2420079. Date of granting: 15/07/14. Ownership: 100% FIBHCSC. Withdrawal date: 28/02/2021. Oncology groups. ONC.1, ONC.2.
- ◆ MÉTODO PARA EL PRONÓSTICO DE LA EFICACIA DE LA INMUNOTERAPIA ORAL PARA EL TRATAMIENTO DE LA ALERGI A LAS PROTEÍNAS DE LECHE DE VACA. Spanish Patent no. ES2530440. Date of granting: 10/12/15. Ownership: 35% FIBHCSC/65% Fundación para la Investigación Biomédica del Hospital Universitario Ramón y Cajal. Allergy group: IIIA.2.
- ◆ MÉTODO PARA EL PRONÓSTICO DE LA EFICACIA DE LA INMUNOTERAPIA ORAL PARA EL TRATAMIENTO DE LA ALERGI A LAS PROTEÍNAS DE LECHE DE VACA. Ownership: 35% FIBHCSC 65% FIBHRC. European Patent no. 3 361 259 (entry into the European phase based on International Application PCT/ES2014/070634). Date of granting: 23/04/20. Allergy group. This patent was validated in 2020 in Germany, France, United Kingdom and Italy. Allergy group: IIIA.2.
- ◆ BIOHÍBRIDO PARA SU USO EN LA REGENERACIÓN DE TRACTOS NEURALES. Spanish Patent no. ES2577883. Date of granting: 14/11/16. Ownership: 37,5% FIBHCSC 62,5%/ Universidad Politécnica de Valencia. Groups. ONC.6, NEC.5, NEC.6.
- ◆ MÉTODO Y KIT PARA EL DIAGNÓSTICO DE CELIAQUÍA. Spanish Patent no. ES2548653. Date of granting: 11/01/17. Ownership: 100% FIBHCSC. Immunology group. Withdrawal date: 30/07/2021. Groups: OGS.25, IIIA.7, IIIA.10, NEC.22.
- ◆ MÉTODO Y DISPOSITIVO PARA ANÁLISIS DE MATERIAL BIOLÓGICO, MÉTODO DE OBTENCIÓN Y USO DEL MISMO. Spanish Patent no. 2598878. Date of granting: 17/10/17. Ownership: 50% FIBHCSC/50% Universidad de Alcalá. Peditary and Innovation Unit group.
- ◆ PREPARACIÓN FARMACÉUTICA ÚNICA Y ESTABLE QUE CONTIENEN BERBERINA. EN FORMULACIÓN DE LIBERACIÓN LENTA. UNA ESTATINA Y UBIQUINOL PARA EL TRATAMIENTO DE LA ENFERMEDAD 5 CARDIOVASCULAR Y LOS FACTORES DE RIESGO ASOCIADOS. Spanish Patent no. ES2645028. Date of granting: 28/05/18. Ownership: 100% FIBHCSC. Vascular Biology group: CV.11. COMBINATION OF IBUPROFEN AND TRAMADOL FOR RELIEVING PAIN: Inventors: PORTOLÉS PÉREZ, Antonio; HOSPITAL CLÍNICO SAN CARLOS, SERVICIO DE FARMACOLOGÍA CLÍNICA. SANTÉ SERNA, Luis Narciso; HOSPITAL CLÍNICO SAN CARLOS, SERVICIO DE ANESTESIA. SALAS BUTRÓN, María del Rosario; FARMALÍDER, S.A. VARGAS CASTRILLÓN, Emilio; HOSPITAL CLÍNICO SAN CARLOS, SERVICIO DE FARMACOLOGÍA CLÍNICA. CALANDRIA PÉREZ, Carlos; HORCAJADA CÓRDOBA, Raquel; MUÑOZ RUIZ, Ángel José; UNIVERSIDAD DE SEVILLA. VICARIO DE LA TORRE, Iliuia; Aragoneses II . SANZ MENÉNDEZ, Nuria. GÓMEZ CALVO, Antonia. SÁNCHEZ GARCÍA, Jose Angel. DUART GONZALEZ, Ester. GARCÍA ALONSO, Fernando; N° de patente: PCT/EP2020/069306.



## Other protection models not managed by the FIBHCSC

- ◆ Método óptico de detección de una molécula objetivo mediante amplificación en la respuesta de interferencia por índice de refracción y dispersión. Date of granting: 19.10.2020. Date of licence: Copropiedad. Inventors: HOLGADO BOLAÑOS, Miguel; DIAZ PERALES, Araceli; GARRIDO ARANDIA, María; LÓPEZ ESPINOSA, Rocío; ROMERO SAHAGÚN, Alejandro; LAGUNAS HERAS, María Fe; FERNÁNDEZ PACIOS, Luis; SANTAMARÍA FERNÁNDEZ, Beatriz; RAMÍREZ ALONSO, Yolanda y SANZA GUTIÉRREZ, Francisco Javier.
- ◆ Interferometric detection method. Date of granting: 05.02.2014. Date of licence: 15.01.2015. Inventors: HOLGADO BOLAÑOS, Miguel; SANZA GUTIÉRREZ, Francisco Javier; LAGUNA HERAS, María Fe LAVIN HUEROS, Álvaro CASQUEL DEL CAMPO, Rafael.
- ◆ Sistema de detección óptica para bio-ensayos de alta sensibilidad sin marcado. Date of granting: 16.11.2011. Date of licence: 15.01.2015. Inventors: HOLGADO BOLAÑOS, Miguel; OCAÑA MORENO, José Luis; LAGUNA HERAS, María Fe MOLPECERES ÁLVAREZ, Carlos CASQUEL DEL CAMPO, Rafael MORALES FURIÓ, Miguel.
- ◆ Procedimiento de marcaje, encriptación, etiquetado y codificación óptica. Date of granting: 22.07.2011. Inventors: BARRANCO QUERO, Ángel RODRIGUEZ GONZALEZ-ELIPE, Agustín SÁNCHEZ VALENCIA, Juan Ramón APARECIO REBOLLO, Francisco Javier BLASZCZYK-LEZAK, Iwona Krystina HOLGADO BOLAÑOS, Miguel; OCAÑA MORENO, José Luis; MOLPECERES ÁLVAREZ, Carlos CASQUEL DEL CAMPO, Rafael GARCÍA BALLESTEROS-RAMIREZ, Juan José MORALES FURIÓ, Miguel.
- ◆ Procedimiento y dispositivo para la detección visual del grado de aptitud en una mues-tra aislada de sangre para su validación en análisis clínico. Inventor: Leticia Simón, Emilio Vargas (Universidad Complutense de Madrid) .Nº de patente: P201900050.
- ◆ COMBINATION OF IBUPROFEN AND TRAMADOL FOR RELIEVING PAIN: Inventors: PORTOLÉS PÉREZ, Antonio; HOSPITAL CLÍNICO SAN CARLOS, SERVICIO DE FARMACOLOGÍA CLÍNICA. SANTÉ SERNA, Luis Narciso; HOSPITAL CLÍNICO SAN CARLOS, SERVICIO DE ANESTESIA. SALAS BUTRÓN, María del Rosario; FARMALÍDER, S.A. VARGAS CASTRILLÓN, Emilio; HOSPITAL CLÍNICO SAN CARLOS, SERVICIO DE FARMACOLOGÍA CLÍNICA. CALANDRIA PÉREZ, Carlos; HORCAJADA CÓRDOBA, Raquel; MUÑOZ RUIZ, Ángel José; UNIVERSIDAD DE SEVILLA. VICARIO DE LA TORRE, Iñiua; Aragoneses II. SANZ MENÉNDEZ, Nuria. GÓMEZ CALVO, Antonia. SÁNCHEZ GARCÍA, Jose Angel. DUART GONZALEZ, Ester. GARCÍA ALONSO, Fernando; Nº de patente: PCT/EP2020/069306.

## Patent applications pending

- ◆ METHOD FOR THE IDENTIFICATION OF CARDIAC FIBRILLATION DRIVERS AND/OR THE FOOTPRINT OF ROTATIONAL ACTIVATIONS USING SINGLE OPTICAL OR ELECTRICAL SIGNALS WITHOUT REQUIRING PANORAMIC SIMULTANEOUS ACQUISITION. USA Patent Application no. 17284195 (entry into national phase based on International Application PCT/EP2019/077610): Application date: 9/4/21. Ownership: 10% FIBHCSC 90% CNIC. Arrhythmia group: CV.4.
- ◆ METHOD FOR THE IDENTIFICATION OF CARDIAC FIBRILLATION DRIVERS AND/OR THE FOOTPRINT OF ROTATIONAL ACTIVATIONS USING SINGLE OPTICAL OR ELECTRICAL SIGNALS WITHOUT REQUIRING PANORAMIC SIMULTANEOUS ACQUISITION. European Patent Application no. 19783542.4 (entry into the national phase based on International Application PCT/EP2019/077610). Application date: 6/5/21 Ownership: 10% FIBHCSC 90% CNIC. Arrhythmia group: CV.4.

## Trademarks



### **IdISSC.**

Figurative trademark n°  
010057685  
(registration date:  
31/10/2011)



### **Incubadora de Ideas.**

Figurative trademark n°  
010821486  
(registration date:  
21/08/2012).



### **PelviCare.**

Figurative trademark n°  
014279244  
(registration date:  
07/10/2015)



### **ProctOCare.**

Figurative trademark n°.  
014428445  
(registration date:  
25/11/2015).



### **SysPharma.**

Figurative trademark n°.  
015133796  
(registration date:  
26/09/2017).



### **Smart Health Center.**

Figurative trademark n°.  
018097394  
(registration date: 19/11/19).

## Intellectual property (registrations/applications)

- ◆ Formación interactiva sobre asma en la infancia. Kids Beating Asthma". Inscrita en el Registro de la Propiedad Intelectual. Fecha registro: 5/3/13.
- ◆ Video "Caso clínico para seguridad del paciente: colecistectomía por abordaje laparoscópico con complicación intraquirúrgica y secuelas postoperatorias". Inscrito en el Registro de la Propiedad Intelectual. Fecha registro: 7/10/13 Obras en fase/proceso de registro: Procedimiento para la solicitud de pruebas con productos sanitarios". Depositada en la Oficina de Depósito legal con fecha 15/11/16 (n° depósito M20160-2016)
- ◆ Proceso de atención al paciente por el médico hospitalista". Se solicita ISBN en diciembre 2016.
- ◆ Software "Fissios 1.0". Depositada en la Oficina de Depósito legal con fecha 29/12/16 (n° depósito M43708-2016) 4) Software "SysPharma". Depositada en la Oficina de Depósito legal con fecha 3/2/17 (n° depósito M788-2017)
- ◆ Ilustraciones para el proyecto "Formación interactiva sobre asma en la infancia. Kids Beating Asthma". Registration no. 16/2013/1642 (registration date: 5/03/2013). Ownership of the FIBHCSC: 100%.
- ◆ Proceso de gestión de eventos adversos relacionados con la asistencia sanitaria. Registration no. 16/2013/4768 (registration date: 16/07/2013). Ownership of the FIBHCSC: 100%.
- ◆ INTRANET de la Plataforma de Unidades de Investigación Clínica y Ensayos Clínicos (SCReN). Registration No: 16/2021/7073 (registration date: 17/09/21). Ownership of the FIBHCSC: 100%. Group OGS.12.
- ◆ Atlas de Inmunofluorescencia indirecta Autoimmunity. Application no. M-005859/2021 (application date: 25/08/2021). Ownership of the FIBHCSC: 100%. Group IIIA.12.

## Utility model title

Inventor/s: SOTO BEAUREGARD, María del Carmen; ÁVILA RAMÍREZ, Luis Felipe; RODRÍGUEZ DE ALARCÓN GARCÍA, Jaime; DOMÍNGUEZ AMILLO, Eva Esther y GÓMEZ CERVANTES, Juan Manuel. Utility model title: Tallo corrector de malformaciones anorrectales. Publication no. ES1295240. Application date: 20.06.2022. Publication date: 24.10.2022.



## Research dissemination activities

### Scientific Conferences



#### Jornada “Ciencia y Sociedad se dan la mano”

- ◆ XIV Curso diagnóstico de la enfermedad celíaca



#### International Day of Women and Girls in Science

##### 5 Conferences:

- ◆ **Ojos de Mujer.**  
Servicio de Oftalmología del HCSC. Grupo de investigación en patología ocular y vías visuales.
- ◆ **Investigadoras biomédicas: rompiendo estereotipos y creando profesionales.**  
Grupo de investigación Genética y bases moleculares de enfermedades complejas.
- ◆ **Las mujeres en la ciencia: papel en el campo de la Reproducción Asistida.**  
Instituto de Salud de la Mujer. Grupo de investigación a la Salud de la Mujer
- ◆ **Science at school.**  
Silvia Corrochano Sánchez.



#### European Researchers' Night

##### 7 Activities:

- ◆ **Aprende cómo señalizan las células.**  
Grupo de Investigación Señalización por cannabinoides en células tumorales
- ◆ **Los datos como solución contra el COVID-19: presentación del proyecto europeo COVID-X**  
Unidad de Innovación IdISSC
- ◆ **Gymkhana científica “Una cesión de muestras”**  
Biobanco
- ◆ **Introducción a los Ensayos Clínicos y a los estudios de Bioequivalencia**  
Grupo de Investigación Farmacología Clínica.
- ◆ **Investiga y opera tú también**  
Unidad de Medicina y Cirugía Experimental: Animalario, Laboratorios y Quirófanos.
- ◆ **Investigador@ por un día**  
Grupo de Investigación Enfermedades neurológicas.  
Grupo de Investigación Fisiopatología y terapéutica neurológica del INA (NEURO-INA- IN)
- ◆ **¿Se heredan las enfermedades autoinmunes?**  
Grupo de Investigación Genética y bases moleculares de enfermedades complejas





## Science Week

### 23 Activities:

- ◆ **A la salud a través del ejercicio físico y la alimentación**  
Francisco Miguel; Gracia Toledo; Juan José Ramos; Juan José Montoya; Pilar Martín.
- ◆ **Aprende cómo señalizan las Células**  
Guillermo Velasco, Kunzangla Bhutia, Marco Cordani, Mario Mira, Óscar Gutiérrez
- ◆ **Científic@ por un día**  
Silvia Corrochano, Ulises A. Gómez-Pinedo y José Martínez Orgado
- ◆ **Vacunación COVID-19 y alteraciones del ciclo menstrual**  
Francisco Javier García, Mónica Bellón, Ignacio Cristóbal, Alejandra Mayoral.
- ◆ **Activación eficaz y eficiente de los servicios de emergencias médicas 112**  
Ana Patricia Moya, César López, Carlos de Benito, Claudia Lopes, Jaime Del Río.
- ◆ **Gymkhana científica “Una cesión de muestras”**  
Luis Ortega, Elena Molina.
- ◆ **¿Eres celíaco? Veamos qué pueden decirte tus células**  
M<sup>ª</sup> Concepción Núñez Pardo de Vera, María Corzo Martínez, Mercedes Rubio Martínez y Sara Gómez Aguililla
- ◆ **Visita al laboratorio de genética y bases moleculares de enfermedades complejas**  
Elena Urcelay, Adela González, Andrea Raposo, Laura Espino
- ◆ **Visita guiada al centro de salud mental y mesa redonda sobre los problemas de salud mental jóvenes**  
David Fraguas Herráez
- ◆ **Investiga y opera tú también**  
Pablo González, M<sup>ª</sup> Cruz Rodríguez-Bobada.
- ◆ **Visita virtual al laboratorio de Genética Forense**  
Ana María López, César López, Cláudia Lopes, Eduardo Arroyo, Sara Palomo.
- ◆ **Introducción a los Ensayos Clínicos y a los estudios de Bioequivalencia de Fase I**  
Daniel Lozano, M<sup>ª</sup> Rosario Salas.
- ◆ **Design Thinking en Salud**  
Laura Llorente e Ignacio Martínez
- ◆ **Bioarqueología: detectives del pasado**  
César López Matayoshi, Ana María López Parra, Ana Patricia Moya Rueda, Eduardo Arroyo Pardo, Elena Labajo González, Juan Gibaja Bao, Manuel Lozano García, María Benito Sánchez, Sara Palomo Díez
- ◆ **Cirugía de glaucoma: Presente y futuro**  
Julián García Feijóo, Vanessa Andrés Guerrero
- ◆ **Baja visión en actividades de la vida diaria**  
Vanessa Andrés Guerrero, Gema Felipe Márquez
- ◆ **Atrévete a conocer un laboratorio de Reproducción Humana**  
Sara Rafael Fernández, M<sup>ª</sup> Dolores Cuquerella Fernández-Vázquez, Marta Vidaurreta Lázaro, Silvia Veganzones de Castro.
- ◆ **Diagnóstico clásico vs. Inteligencia artificial en las enfermedades de la retina**  
José Fernández Vigo, Juan Donate López, Vanessa Andrés Guerrero
- ◆ **El biobanco de muestras oftalmológicas y su uso en investigación biomédica**  
Elena Moreno Torres, Vanessa Andrés Guerrero
- ◆ **Problemas oculares y de aprendizaje de la infancia**  
Elena Hernández, Rosario Gómez, Vanessa Andrés
- ◆ **Trasplante de córnea: Preguntas frecuentes para pacientes y familiares**  
David Díaz, Mayte Ariño, Pedro Arriola, Vanessa Andrés
- ◆ **Biología humana, herramienta de identidad e inclusión**  
César López Matayoshi, Ana María López Parra, Ana Patricia Moya Rueda, Cláudia Lopes Gomes, Eduardo Arroyo Pardo, Elena Labajo González, María Benito Sánchez.
- ◆ **Gymkhana de la ciencia sanitaria y taller de laboratorio “de la célula al ADN”**  
Lydia Abasolo Alcázar, Beatriz García Tirado, Irene González Guede, Lucía Segarra Gómez, Ponente; María López Ramos

## IdISSC Seminars



- ◆ **Líneas de investigación del grupo de investigación Estudio molecular y epidemiológico de microorganismos resistentes de interés clínico**  
Dr. Alberto Delgado-Iribarren G<sup>a</sup>-Campero
- ◆ **COMBIVACS: un ensayo clínico académico de plataforma SCReN, en pandemia**  
Dr. Antonio Portolés Pérez
- ◆ **Coronary microcirculatory dysfunction in patients with ischemic heart disease is associated with structural brain changes and impaired cognitive function: results of the Coronary Cerebral Connection study (C3 Study)**  
Prof. Javier Escaned Barbosa
- ◆ **Afectación neurocognitiva en niños-adolescentes con infección VIH. El proyecto REACH.**  
Prof. José Tomás Ramos Amador
- ◆ **Líneas de investigación del GRUPO DE INVESTIGACIÓN BIOMATERIALS AND REGENERATIVE MEDICINE**  
Prof. Gustavo V. Guinea Tortuero
- ◆ **Líneas de investigación del GRUPO DE INVESTIGACIÓN LABORATORIO DE NEUROCIENCIA CLÍNICA**  
Prof. Bryan Strange
- ◆ **Obesidad: herramientas frente a la otra pandemia del SXXI**  
Dra. M<sup>a</sup> Pilar Matía Martín
- ◆ **La Nutrición de Precisión como herramienta de salud frente a enfermedades crónicas de alta prevalencia en nuestra sociedad**  
Dra. Ana Ramírez de Molina
- ◆ **Type 2 diabetes and neurodegeneration**  
Prof. Manuel R. de la Heras
- ◆ **Protocolización del tratamiento con gammaglobulinas en pacientes con malignidad hematológica**  
Dña. Juliana Ochoa Grullón
- ◆ **Papel de CALR en neoplasias mieloproliferativas**  
Dña. Xiomara Guerrero-Carreño
- ◆ **Afasia progresiva primaria: del diagnóstico a la personalización en el tratamiento**  
Dra. Vanesa Pytel
- ◆ **Sinergias de investigación traslacional en cardiología entre HCSC - CNIC.**  
Dr. David Filgueiras-Rama
- ◆ **Hacia una identificación de trayectorias y subtipos en esquizofrenia y otras psicosis**  
Dr. David Fraguas Ferráez
- ◆ **La investigación del grupo de tecnologías en física nuclear e instrumentación en biomedicina**  
Dr. Jose Manuel Udias Moinelo
- ◆ **Marcadores para el diagnóstico de la COVID19 en Sangre para la determinación de la gravedad de la enfermedad y en Saliva para el diagnóstico precoz**  
Dr. Miguel Holgado

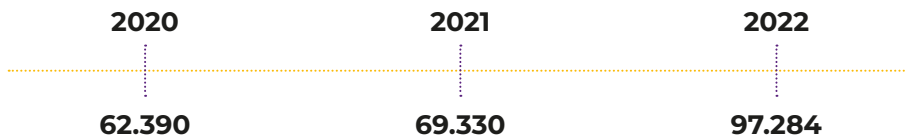
## Impact on research-related media



## Press releases related to research issued by the hcsc



## Visits to the idissc.org website



## Social networks



**IdISSC account:**

**1.247** followers. Tweets n°: **510**

**Innovation Unit account:**

**8.197** followers



**IdISSC account:**

**669** followers.

**Innovation Unit account:**

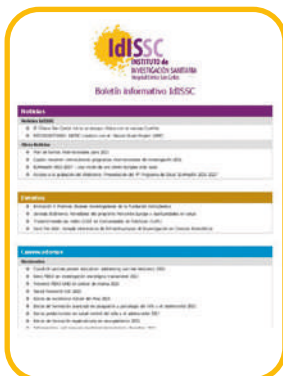
**139** followers



**Innovation Unit account:**  
**Youtube channel subscribers**

**359** subscribers

## IdISSC Periodic Newsletters



During 2022, 12 newsletters have been published in order to share information on national and international news, events and research calls.

## Activities in which the Innovation Unit has participated

### Organisation of events in Health Management



#### FORO CLÍNICO 2022

An initiative by the Management held on the third Wednesday of each month, featuring a prestigious speaker and targeting hospital executives.

##### ◆ January 19, 2022

2nd Edition. Carlos Mur de Viu, Director of Mental Health Services of the Principality of Andorra. "Integration of Hospital and Interhospital Processes: Beyond Coordination and Space Creation."

##### ◆ February 16, 2022

2nd Edition. Conrado Domínguez Trujillo, Director of the Canary Islands Health Service. "Transformation of the Healthcare Organization: The Role of Leadership."

##### ◆ March 16, 2022

2nd Edition. Pablo Serrano Balazote, Director of Planning at Hospital Doce de Octubre. "Experience on the Use of Health Data for Knowledge Generation and Improvement."

##### ◆ April 20, 2022

2nd Edition. Beatriz González López-Valcarcel, Professor of Quantitative Methods in Economics and Management, University of Las Palmas de Gran Canaria. The image has an empty ALT attribute. "A Look at the National Health System from a Sustainability Perspective."

##### ◆ May 18, 2022

2nd Edition. Ángel Sánchez Cánovas, General Director of the ONCE Foundation. "Corporate Social Responsibility and Sustainability."

##### ◆ June 22, 2022

2nd Edition. Francisco Javier Sádaba Garay. "Universal Culture, Popular Culture."

### Projects



#### Event within the activities of Project HIT X

An immersion program in innovative hospitals, getting to know their Units and achievements on the ground. The objective is to promote this culture of innovation among healthcare professionals and innovative managers who want to be immersed in it, allowing collaboration between different institutions and promoting a change in the knowledge transfer model

##### ◆ March 24 and 25



#### 4° ESO + empresa

##### ◆ April 6, 2022

Activities:

Design Thinking Workshop that showed how to transform data into knowledge. During the workshop, Laura Llorente and Ignacio Martínez, members of the Innovation Unit, presented some tools currently used at the San Carlos Clinical Hospital, so that attendees could dynamically see how to create a clinical database and prepare the data stored in it for subsequent visualization.



#### Ubiquitous Hospital

##### ◆ May 27, 2022

Dr. Arantza Álvarez de Arcaya, Director of Hospital Medicine at San Carlos Clinical Hospital.

D. Christian Bengoa, coordinator of CardioRed1, a network of care for cardiology patients that has been established among 4 hospitals in Madrid.





## SIGNO FOUNDATION

- ◆ **May 25-27**  
 16th Health Management and Evaluation Conference. Participation of Dr. Luaces.



## PULSAR ACCELERATOR

- ◆ **June 2022**  
 Launch Event: Creating Ecosystems to Generate Value.



## European Researchers' Night

- ◆ **September 30 - October 1**  
 CovidX Project (informational booth, video).



## MASTER MINDS

- ◆ **September 24**  
 Master's Degree in Health Innovation Management and Leadership (MINDS).  
 Participation in the Master's Degree in Health Innovation Management and Leadership organized by IDIVAL Institute and the University of Nebrija de Cantabria, with presentation of the UI projects.



## IDEA INCUBATOR

- ◆ **October 26**  
 Research Inspired by the Sea.  
 Sponsored by PharmaMar.



## Active projects



### Open-Digital-Industrial and Networking

Call: H2020-DT-2018-2020

Topic: DT-ICT-12-2020 – AI for the smart hospital of the future

The team of the Innovation Unit at Hospital Clínico San Carlos is part of the ODIN project, Open-Digital-Industrial and Networking.

The objective of this research project, framed within the 'Smart Hospitals' field of the Horizon 2020 Program, is to leverage Artificial Intelligence-based technology to transform healthcare delivery in major hospitals across Europe. ODIN will deploy technologies along three lines of intervention: empowering workers (AI, cybernetics, and bionics), introducing autonomous and collaborative robots, and improving medical settings with IoT.

Start date: March 1, 2021. End date: August 31, 2024.



### Covid X Project

◆ **Start date: November 1, 2020. End date: October 31.**

COVID-X has received funding from the Horizon 2020 research and innovation program of the European Union under grant agreement No 101016065.



### Event within the activities of Project HIT X

An immersion program in innovative hospitals, getting to know their Units and achievements on the ground. The objective is to promote this culture of innovation among healthcare professionals and innovative managers who want to be immersed in it, allowing collaboration between different institutions and promoting a change in the knowledge transfer model.



### Empowering and Equipping Europeans with health information for Active Personal Health Management and Adherence to Treatment

Supported by an IMI JU2 grant, the project has received funding from the Innovative Medicines Initiative (IMI JU2) under grant agreement No. 945334.

Innovative Medicines Initiative (IMI) is launching a 5-year global research project, Gravitate-Health, which aims to improve access to and understanding of health information, safe use of medicines, risk minimization and improved quality of life.

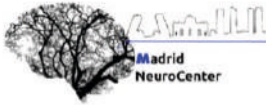
It is a new research consortium, with a mission to bring innovative digital health information tools to patients and empower person-centered care.

Forty leading partners from civil society, academia and industry from 15 countries are part of the consortium. This unique public-private strategic partnership is co-led by the University of Oslo (public partner coordinator) and Pfizer (industry leader).



### BDCLin Project

Project for the creation of an institutional data repository at Hospital Clínico San Carlos, consisting of clinical records and outcome data used for the diagnosis and monitoring of patients affected by possible, probable, or confirmed infection with the novel coronavirus SARS-CoV-2 (COVID-19). The project employs a multidisciplinary working strategy aimed at generating descriptive and predictive models of patient outcomes through both traditional and advanced data analytics.



## Madrid Neurocenter Project

Neurocentro-CM Ref. B2017/BMD-3760

Project funded by the Community of Madrid.

Technological Center for the Integrated Treatment of Neurological Disorders. Work areas: Biomedical engineering, instrumentation, and information and communication technologies in biomedicine.

It concluded in 2022.



## Smart Health Center Project

Within the Institute of Health Research of the Clínico San Carlos Hospital (IdISSC), a platform called Smart Health Center has been developed. Its objective is the transformation of healthcare focused on value generation, person-centered health, and intelligent use of technology through the adaptation and incorporation of information technologies in areas such as advanced data analytics, artificial intelligence, telemedicine, automation, and robotics.

## DEPSTAGE Project

How the treatment of DEPRESSION aligns with a Clinical Practice Guideline based on a staging model in routine practice.



## PULSAR\_BY ROCHE

Creation of an ophthalmology startup accelerator.

## Innovations generated

The work of the Innovation Unit focuses primarily on “process innovation” that can bring value to patients as well as healthcare professionals in the National Health System.

In this regard, we continue to work on interactive dashboards using REDCap and PowerBI (POWER BI BUSINESS INTELLIGENCE) as tools for data visualization, in collaboration with different departments of the Clínico San Carlos Hospital:

- ◆ **Design of data storage and visualization for neonatology-related processes.**

We have also worked on improving the scalability and periodic update of 2 already created dashboards:

- ◆ **Storage and visualization of data for the Continuity of Care Unit.**

- ◆ **Storage and visualization of clinical and management data for patients admitted to the Traumatology department.**

- ◆ **Design of data storage and visualization for clinical, management, and quality data of the Clinical Management Unit of Hospital Medicine.**

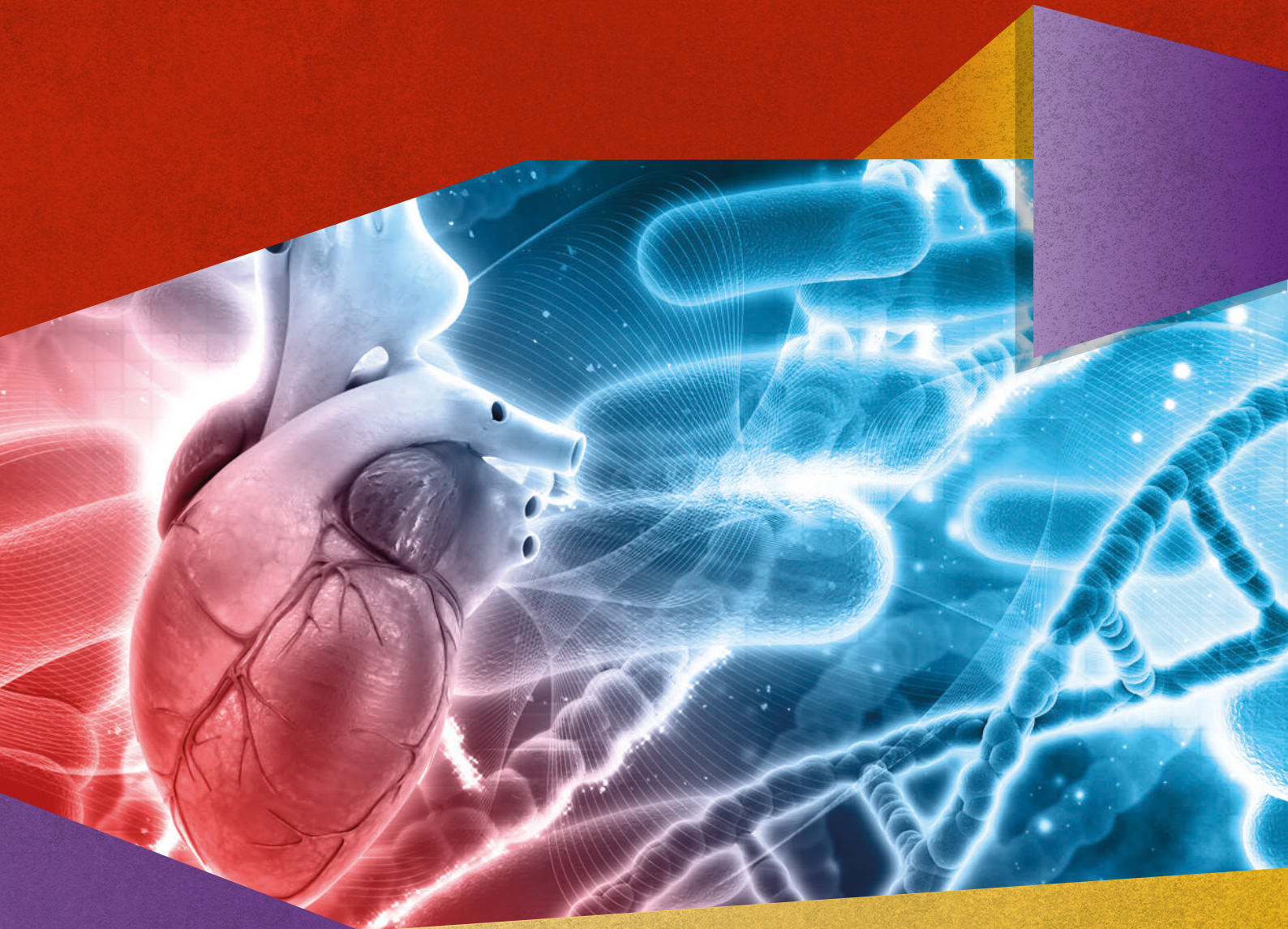
- ◆ **Design of data storage and visualization for clinical and management data of the Breast Pathology Unit.**

- ◆ **Design of data storage and visualization for information related to home medication dispensing.**

The goal is the intelligent use of data. We advocate for evidence-based medicine and, therefore, for the efficient use and utilization of existing healthcare data. From utilizing our own data to improve internal processes to undertaking large-scale projects within the realm of Big Data.



# Cardiovascular



CV



# Cardiovascular area

## Groups

**CV.1** Technology Assessment and Therapeutic Strategies in Coronary Arteriosclerosis

**CV.2** Cardiovascular Imaging

**CV.4** Arrhythmia

**CV.6** Predictive Biomedicine and Translational Research in Respiratory, Cardiovascular and Metabolic Diseases

**CV.7** Valvular Pathology and Large Vessels

**CV.8** Translational Research in Acute Myocardial Syndromes (INTEGRA)

**CV.10** Myocardial Regeneration Therapy

**CV.11** Cardiovascular Risk

*ciber* | CV

*ciber* | DEM



## ANNUAL GOALS

Promoting cooperation in competitive research projects



Completed

Improve IdISSC affiliation in the scientific production of the cardiovascular area

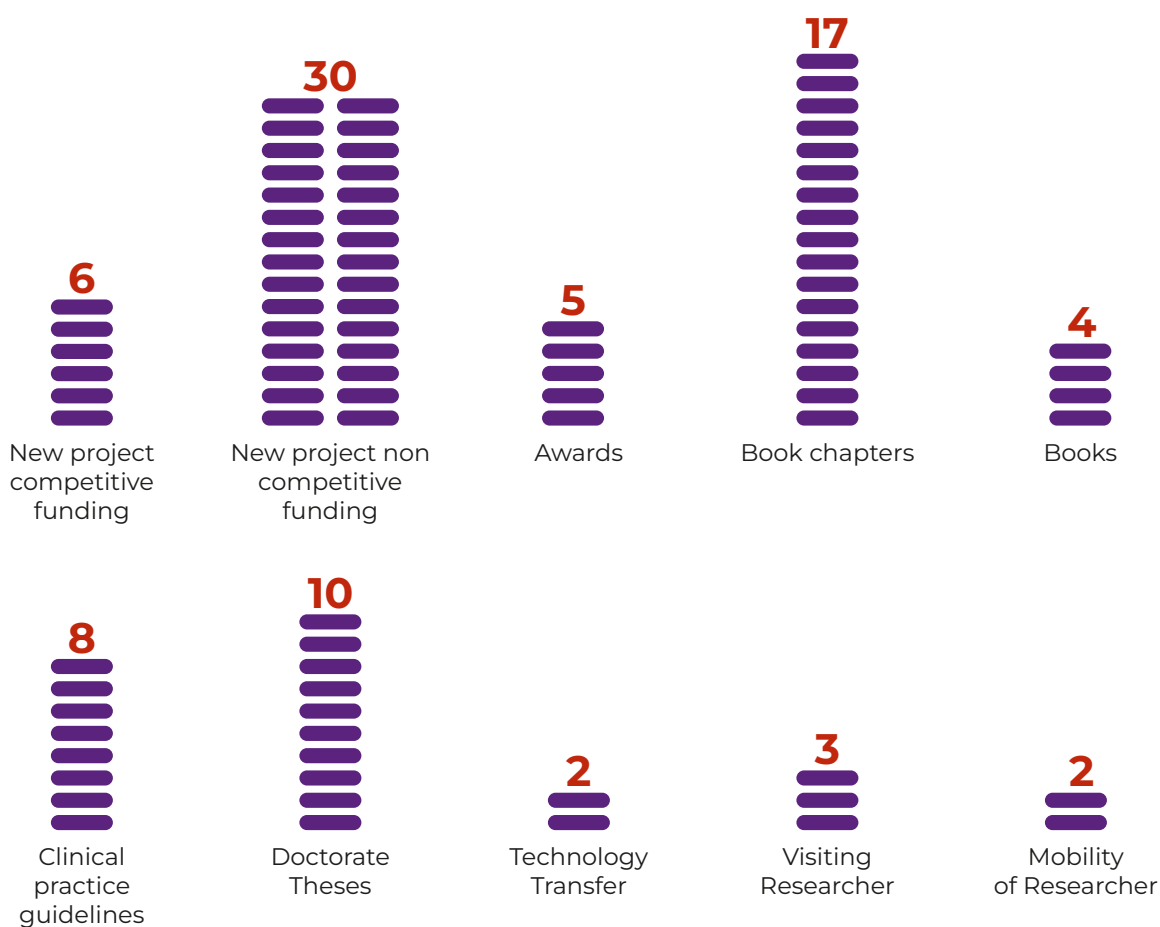


Completed

## Accumulated Total professionals in the area



## Activity



## Scientific production

N° of papers  
(WoS)

**299**

% OA

**57.52**

N° of citable  
items

**218**

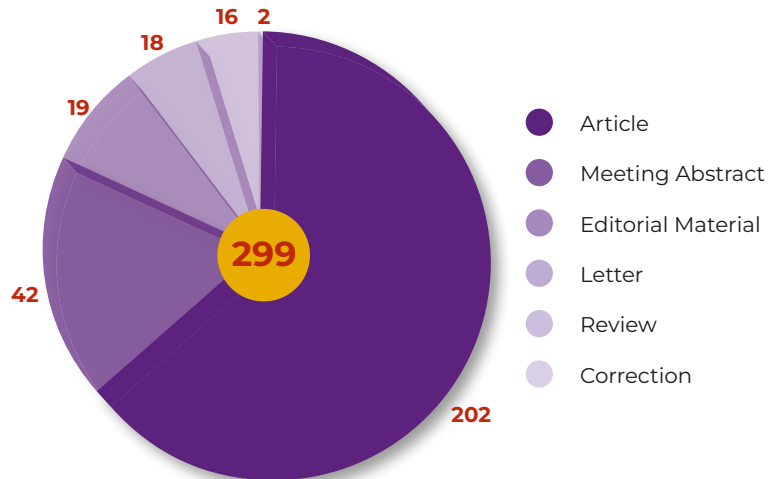
% IQ  
(Citable items)

**58.71**

% ID  
(Citable items)

**30.73**

### Document type



### Keywords (> 5 frequency)





## Top 5 journals with the highest publication rate

During 2022, the Cardiovascular area's researchers have published in a total of 113 different journals. The top 5 journals where they publish the most are shown below. It represents the 31.77% of the scientific production of this area. Three of these journals are in the first quartile of the JCR 2022 for their thematic category. Two journals are in the Top 5 in their WoS category.

JOURNAL	Nº OF PAPERS (WoS)	QUARTIL 2022	WoS CATEGORY	ARTICLE INFLUENCE SCORE 2022	JOURNAL CITATION INDICATOR 2022	IF (WITHOUT SELF-CITATIONS) 2022
EUROPEAN HEART JOURNAL	26	Q1 (2/142)	CARDIAC & CARDIOVASCULAR SYSTEMS	10.592	6.84	36.600
JOURNAL OF CLINICAL MEDICINE	25	Q2 (58/167)	MEDICINE, GENERAL & INTERNAL	0.908	0.95	3.60
JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY	18	Q1 (4/142)	CARDIAC & CARDIOVASCULAR SYSTEMS	9.588	4.85	23.2
REC-INTERVENTIONAL CARDIOLOGY	13	NA	NA	0.271	0.41	1.0
REVISTA ESPAÑOLA DE CARDIOLOGIA	13	Q1 (35/142)	CARDIAC & CARDIOVASCULAR SYSTEMS	1.021	1.61	5.1

## Selected 5 publications

**1.** Banning, Adrian P., Serruys, Patrick, De Maria, Giovanni Luigi, RYAN, NICOLA, Walsh, Simon, GONZALO LÓPEZ, MARÍA NIEVES, van Geuns, Robert Jan, Onuma, Yoshinobu, SABATE TENAS, MANEL, Davies, Justin, Lesiak, Maciej, Moreno, Raul, Cruz-Gonzalez, Ignacio, Hoole, Stephen P., Piek, Jan J., Appleby, Clare, Fath-Ordoubadi, Farzin, Zaman, Azfar, Van Mieghem, Nicolas M., Uren, Neal, Zueco, Javier, Buszman, Pawel, Iniguez, Andres, Goicolea, Javier, Hildick-Smith, David, Ochala, Andrzej, Dudek, Dariusz, de Vries, Ton, Taggart, David, Farooq, Vasim, Spitzer, Ernest, Tijssen, Jan, ESCANED BARBOSA, JAVIER. Five-year outcomes after state-of-the-art percutaneous coronary revascularization in patients with de novo three-vessel disease: final results of the SYNTAX II study. EUROPEAN HEART JOURNAL. 2022; 43 (13): 1307-1316. DOI: 10.1093/eurheartj/ehab703. FI: 35,855. (D1).

**2.** ESCANED BARBOSA, JAVIER, Jaffer, Farouc A., Mehili, Julinda, Mehran, Roxana. The year in cardiovascular medicine 2021: interventional cardiology. EUROPEAN HEART JOURNAL. 2022; 43 (5): 377-386. DOI: 10.1093/eurheartj/ehab884. FI: 35,855. (D1).

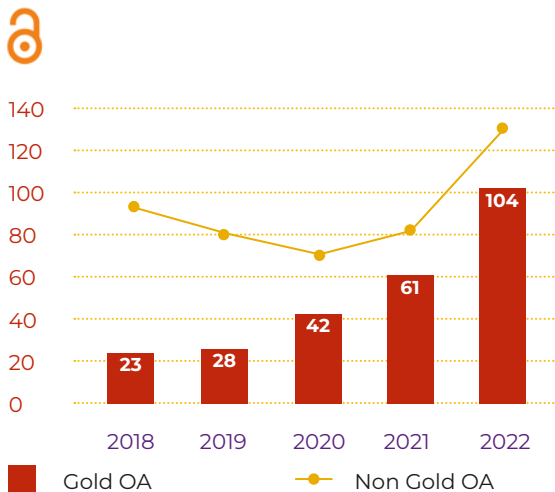
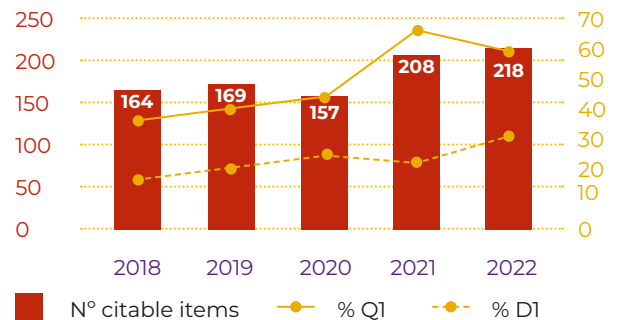
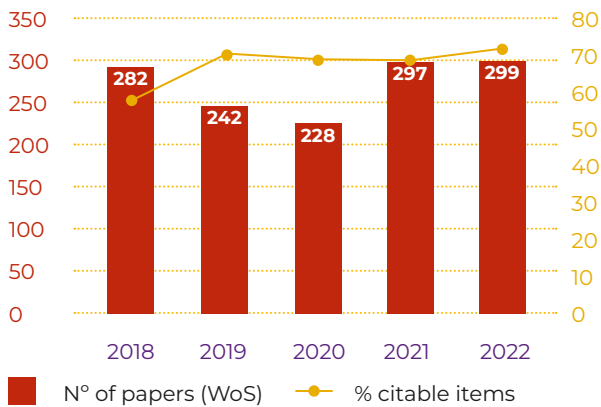
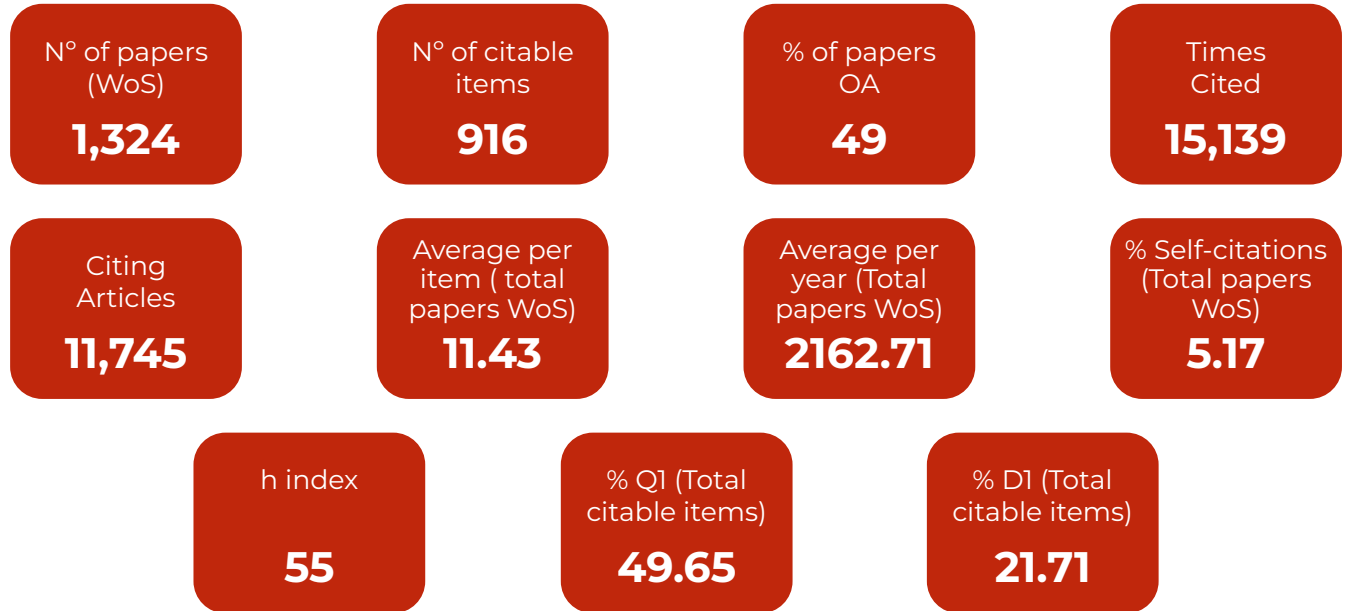
**3.** TIRADO CONTE, GABRIELA, Praco, Radoslaw, Streb, Witold, Gutierrez, Hipolito, Boccuzzi, Giacomo, Arzamendi-Aizpurua, Dabit, Cruz-Gonzalez, Ignacio, Ruiz-Nodar, Juan Miguel, Kim, Jung-Sun, Freixa, Xavier, Lopez-Minguez, Jose Ramon, De Backer, Ole, Ruiz-Salmeron, Rafael, Dominguez, Antonio, McInerney, Angela, Peral, Vicente, Estevez-Loureiro, Rodrigo, Fernandez-Nofrerias, Eduard, Freitas-Ferraz, Afonso B., Saia, Francesco, Huczek, Zenon, Gheorghe, Livia, SALINAS SANGUINO, PABLO, Demkow, Marcin, Delgado-

Arana, Jose R., Peregrina, Estefania Fernandez, Kalarus, Zbigniew, Laffond, Ana Elvira, Jang, Yangsoo, Camacho, Jose Carlos Fernandez, Lee, Oh-Hyun, Hernandez-Garcia, Jose M., Mas-Llado, Caterina, Queija, Berenice Caneiro, Amat-Santos, Ignacio J., Dabrowski, Maciej, Rodes-Cabau, Josep, NOMBELA FRANCO, LUIS. Management and outcomes of patients with left atrial appendage thrombus prior to percutaneous closure. Heart. 2022; 108 (14): 1098-1106. DOI: 10.1136/heartjnl-2021-319811. FI: 7,365. (Q1).

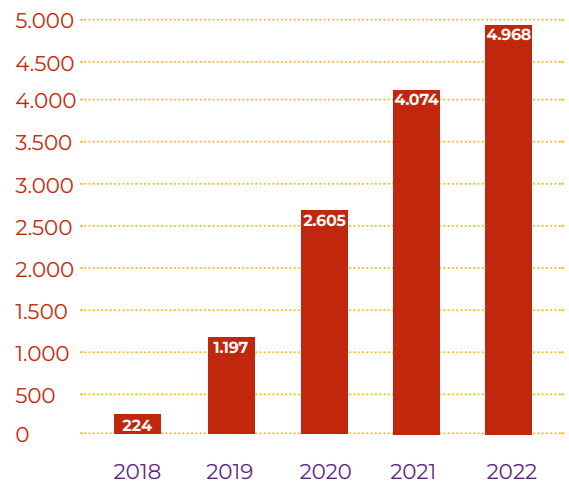
**4.** PÉREZ DE ISLA, LEOPOLDO, Watts, Gerald F., Muniz-Grijalvo, Ovidio, Díaz-Díaz, Jose Luis, Alonso, Rodrigo, Zambon, Daniel, Fuentes-Jimenez, Francisco, Mauri, Marta, Padro, Teresa, Vidal-Pardo, Jose, Barba, Miguel A., Ruiz-Perez, Enrique, Michan, Alfredo, Mediavilla, Juan D., Hernandez, Antonio M., Romero-Jimenez, Manuel J., Badimon, Lina, Mata, Pedro, SAFEHEART Investigators. A resilient type of familial hypercholesterolaemia: case-control follow-up of genetically characterized older patients in the SAFEHEART cohort. EUROPEAN JOURNAL OF PREVENTIVE CARDIOLOGY. 2022; 29 (5): 795-801. DOI: 10.1093/eurjpc/zwab185. FI: 8,526. (Q1).

**5.** LÓPEZ DE ANDRÉS, ANA, JIMÉNEZ GARCÍA, RODRIGO, Hernandez-Barrera, Valentin, de-Miguel-Diez, Javier, de-Miguel-Yanes, Jose M., Martinez-Hernandez, David, Carabantes-Alarcon, David, ZAMORANO LEÓN, JOSÉ JAVIER, Noriega, Concepcion. Sex-related disparities in the incidence and outcomes of infective endocarditis according to type 2 diabetes mellitus status in Spain, 2016-2020. CARDIOVASCULAR DIABETOLOGY. 2022; 21 (1). DOI: 10.1186/s12933-022-01633-2. FI: 8,949. (Q1).

## Scientific production (2018 - 2022)



### Times cited by year

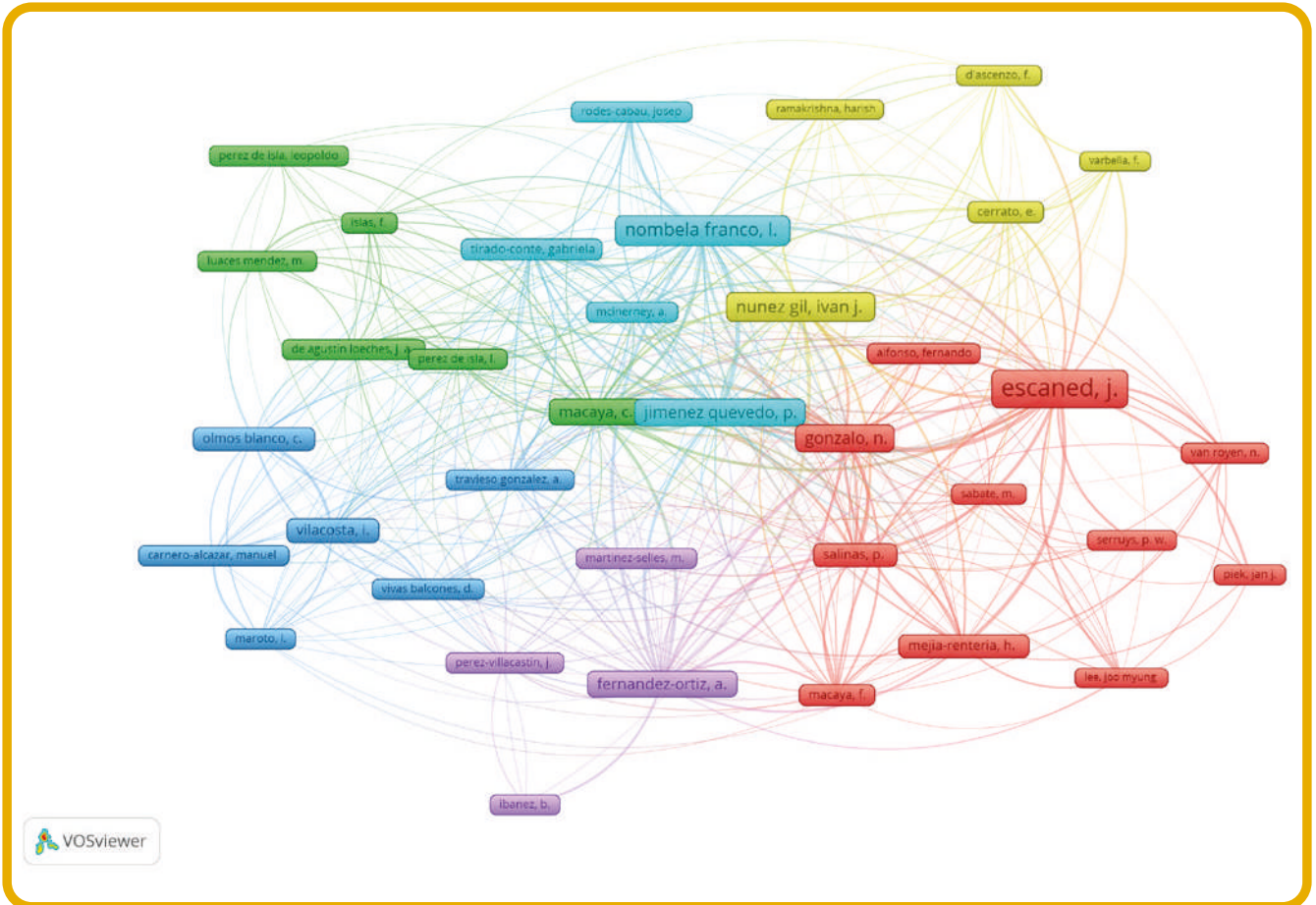


\* WoS download 17.07.2023

## Top 5 journals with the highest publication rate

TITLE	JOURNAL	TIMES CITED	YEAR	QUARTIL	WOS CATEGORY	ARTICLE INFLUENCE SCORE	OA TYPE
Albiglutide and cardiovascular outcomes in patients with type 2 diabetes and cardiovascular disease (Harmony Outcomes): a double-blind, randomised placebo-controlled trial	LANCET	936	2018	Q1 (2/160)	MEDICINE, GENERAL & INTERNAL	21.680	Non Gold OA
Ticagrelor with or without Aspirin in High-Risk Patients after PCI	NEW ENGLAND JOURNAL OF MEDICINE	533	2019	Q1 (1/165)	MEDICINE, GENERAL & INTERNAL	30.627	Non Gold OA
A randomized multicentre trial to compare revascularization with optimal medical therapy for the treatment of chronic total coronary occlusions	EUROPEAN HEART JOURNAL	293	2018	Q1 (1/136)	CARDIAC & CARDIOVASCULAR SYSTEMS	6.871	Non Gold OA
Clinical use of intracoronary imaging. Part 1: guidance and optimization of coronary interventions. An expert consensus document of the European Association of Percutaneous Cardiovascular Interventions	EUROPEAN HEART JOURNAL	309	2018	Q1 (1/136)	CARDIAC & CARDIOVASCULAR SYSTEMS	6.871	Non Gold OA
An EAPCI Expert Consensus Document on Ischaemia with Non-Obstructive Coronary Arteries in Collaboration with European Society of Cardiology Working Group on Coronary Pathophysiology & Microcirculation Endorsed by Coronary Vasomotor Disorders International Study Group	EUROPEAN HEART JOURNAL	235	2020	Q1 (2/142)	CARDIAC & CARDIOVASCULAR SYSTEMS	10.422	Non Gold OA

## Most cited authors ( > 25 papers)



## CV.1

### Technology Assessment and Therapeutic Strategies in Coronary Arteriosclerosis



#### Leading researcher

Javier Escaned Barbosa

#### Members

Daniel Alexandre Candeias Faria

Carolina Espejo Paeres

María Nieves Gonzalo López

Fernando Macaya Ten

Hernán David Mejía Rentería

Vera Rodríguez García-Abad

Pablo Salinas Sanguino

#### Scientific production

N° of papers (WoS)	<b>89</b>
% Open Access (N°)	<b>43%</b> (51)
% Citable Items (N°)	<b>69%</b> (52)
N° of papers JCR indexed	<b>75</b>
Q1 (citable items)	<b>52%</b> (27)
D1 (citable items)	<b>13%</b> (7)
Cumulative IF	<b>501,146</b>
Average IF	<b>9,637</b>

#### Overview

Percutaneous coronary intervention (PCI) has radically changed the handling of acute coronary syndromes and stable angina associated with coronary atherosclerosis. Such change has occurred in just a few decades as a result of incessant progress in PCI technologies, and their continuous evaluation in cardiovascular patients. Thus, in the coming years, technologies such as new and biodegradable drug-eluting stents, as well as farmacoactive balloons currently being introduced in clinical practice, will need to be thoroughly assessed in order to determine their safety, effectiveness and applicability in different subgroups of patients. On top of this, the assessment of the application of such technologies to specific strategies (complete versus the culprit artery revascularization) will be necessary. The Interventional Cardiology Unit of HCSC has played a key role in the evaluation of these technologies, being internationally renowned not only as a participant in major clinical trials within the field of coronary revascularization, but also as a promoter of its own research lines.



## CV.1

### Selected publications

Banning, Adrian P., Serruys, Patrick, De Maria, Giovanni Luigi, RYAN, NICOLA, Walsh, Simon, GONZALO LÓPEZ, MARÍA NIEVES, van Geuns, Robert Jan, Onuma, Yoshinobu, SABATE TENAS, MANEL, Davies, Justin, Lesiak, Maciej, Moreno, Raul, Cruz-Gonzalez, Ignacio, Hoole, Stephen P., Piek, Jan J., Appleby, Clare, Fath-Ordoubadi, Farzin, Zaman, Azfar, Van Mieghem, Nicolas M., Uren, Neal, Zueco, Javier, Buszman, Pawel, Iniguez, Andres, Goicolea, Javier, Hildick-Smith, David, Ochala, Andrzej, Dudek, Dariusz, de Vries, Ton, Taggart, David, Farooq, Vasim, Spitzer, Ernest, Tijssen, Jan, ESCANED BARBOSA, JAVIER. Five-year outcomes after state-of-the-art percutaneous coronary revascularization in patients with de novo three-vessel disease: final results of the SYNTAX II study. EUROPEAN HEART JOURNAL. 2022. 43 (13): 1307-1316. DOI: 10.1093/eurheartj/ehab703. FI: 35,855. (D1).

ESCANED BARBOSA, JAVIER, Jaffer, Farouc A., Mehilli, Julinda, Mehran, Roxana. The year in cardiovascular medicine 2021: interventional cardiology. EUROPEAN HEART JOURNAL. 2022. 43 (5): 377-386. DOI: 10.1093/eurheartj/ehab884. FI: 35,855. (D1).

Travieso, Alejandro, Jeronimo-Baza, Adrian, CANDEIAS FARIA, DANIEL ALEXANDRE, Shabbir, Asad, MEJÍA RENTERÍA, HERNÁN DAVID, ESCANED BARBOSA, JAVIER. Invasive evaluation of coronary microvascular dysfunction. JOURNAL OF NUCLEAR CARDIOLOGY. 2022. 29 (5): 2474-2486. DOI: 10.1007/s12350-022-02997-4. FI: 3,872. (Q1).

### Awards

Researcher aware: Javier Escaned Barbosa. Winning work: For career achievements in the field of Interventional Cardiology. Award: Andreas Grüntzig Award.

Researcher aware: Javier Escaned Barbosa. Award: Medalla Plata (European Society of Cardiology).

### Doctorate theses

Doctoral candidate: Fernando Macaya Ten. Thesis title: Diagnostico y Tratamiento de la Disección Coronaria Espontánea. Director(s): Javier Escaned Barbosa. University: Universidad Complutense de Madrid.

Doctoral candidate: Natalia Pinilla. Thesis title: Tomografía de coherencia óptica en el manejo de la trombosis coronaria en el infarto de miocardio con elevación del ST. Director(s): Javier Escaned Barbosa. University: Universidad Complutense de Madrid.

### New competitive funding

PI21/01481. Diagnostico y manejo clínico de la disfunción microcirculatoria en pacientes con síndrome COVID crónico con dolor torácico de nueva aparición. PI: ESCANED BARBOSA, JAVIER; MEJÍA RENTERÍA HERNÁN DAVID. Funding organisation: INSTITUTO DE SALUD CARLOS III.

### New non competitive funding

ECL.21/445. ESTUDIO ECOLÓGICO PARA DESCRIBIR EL MANEJO DEL PACIENTE CON ASMA Y EPOC EN LOS SERVICIOS DE NEUMOLOGÍA Y EL IMPACTO DE LA SITUACIÓN PANDÉMICA. PI: MACAYA TEN, FERNANDO.

ECL.21/602. DISTAL EVALUATION OF FUNCTIONAL PERFORMANCE WITH INTRAVASCULAR SENSORS TO ASSESS THE NARROWING EFFECT: GUIDED PHYSIOLOGIC STENTING. EVALUACIÓN DISTAL DEL RENDIMIENTO FUNCIONAL CON SENSORES INTRAVASCULARES PARA EVALUAR EL EFECTO DEL ESTRECHAMIENTO: ENDOPRÓ. PI: ESCANED BARBOSA, JAVIER.

ECL.21/660. REGISTRO IMPACT-TIMING-GO: IMPACT OF TIME OF INTERVENTION IN PATIENTS WITH MYOCARDIAL INFARCTION WITH NON-ST SEGMENT ELEVATION. MANAGEMENT AND OUTCOMES. PI: SALINAS SANGUINO, PABLO.

BA SCAD. Randomized clinical trial assessing the value of Beta-Blockers and Antiplatelet Agents in patients with Spontaneous Coronary Artery Dissection. PI: FERNANDO MACAYA TEN.

AID ANGIO. Advance Invasive Diagnosis (AID) strategy for patients with stable coronary syndromes undergoing coronary ANGIOgraphy (AID-ANGIO). PI: ESCANED BARBOSA JAVIER.

ANGIO -IMR. Uso de angiografía coronaria funcional en la evaluación de la microcirculación coronaria en pacientes con síndromes coronarios crónicos sin enfermedad coronaria obstructiva. PI: ESCANED BARBOSA JAVIER.



## CV.2

### Cardiovascular Imaging

#### Leading researcher

Leopoldo Pérez de Isla

#### Members

Jose Alberto De Agustín Loeches

José Juan Gómez De Diego

María Luaces Méndez

Patricia Mahia Casado

Pedro Marcos-Alberca Moreno

Eduardo Pozo Osinalde

#### Scientific production

N° of papers (WoS)	<b>23</b>
% Open Access (N°)	<b>61%</b> (14)
% Citable Items (N°)	<b>63%</b> (12)
N° of papers JCR indexed	<b>19</b>
Q1 (citable items)	<b>33%</b> (4)
D1 (citable items)	<b>17%</b> (2)
Cumulative IF	<b>86,262</b>
Average IF	<b>7,188</b>

#### Overview

This research group is one of the most dynamic and productive within the cardiovascular imaging field in our country. Due to a strong welfare activity encompassing different fields of cardiovascular imaging, such as echocardiography and cardiac magnetic resonance, the group displays a pronounced teaching and research projection. Proof of this are the numerous publications in national and international scientific journals and books, work presentations in the most important national and international conferences, and the participation of the group members as moderators, speakers and organizers. The research work conducted by the group stands out for the development of the clinical application of novel imaging tools to improve the diagnosis, management and treatment of both cardiac and extra-cardiac patients, upon exploration of the technique's advantages and limitations. The group outstands for the collaboration with other research groups related with cardiology and other fields within IdISSC.



## CV.2

### Selected publications

PÉREZ DE ISLA, LEOPOLDO, Alonso, Rodrigo, Argueso, Rosa, Muniz-Grijalvo, Ovidio, Alvarez-Banos, Pilar, Badimon, Lina, Watts, Gerald F., Mata, Pedro, Safeheart Investigators. Predicting resilience in heterozygous familial hypercholesterolaemia: A cohort study of octogenarian patients. *JOURNAL OF CLINICAL LIPIDOLOGY*. 2022. 16 (5): 733-736. DOI: 10.1016/j.jacl.2022.07.007. FI: 5,365. (Q1).

PÉREZ DE ISLA, LEOPOLDO, Watts, Gerald F., Muniz-Grijalvo, Ovidio, Diaz-Diaz, Jose Luis, Alonso, Rodrigo, Zambon, Daniel, Fuentes-Jimenez, Francisco, Mauri, Marta, Padro, Teresa, Vidal-Pardo, Jose, Barba, Miguel A., Ruiz-Perez, Enrique, Michan, Alfredo, Mediavilla, Juan D., Hernandez, Antonio M., Romero-Jimenez, Manuel J., Badimon, Lina, Mata, Pedro, SAFEHEART Investigators. A resilient type of familial hypercholesterolaemia: case-control follow-up of genetically characterized older patients in the SAFEHEART cohort. *EUROPEAN JOURNAL OF PREVENTIVE CARDIOLOGY*. 2022; 29 (5): 795-801. DOI: 10.1093/eurjpc/zwab185. FI: 8,526. (Q1).

POZO OSINALDE, EDUARDO, Salinas Gallegos, Alejandra, Gordillo, Ximena, NOMBELA FRANCO, LUIS, MARCOS-ALBERCA MORENO, PEDRO, MAHIA CASADO, PATRICIA, TIRADO CONTE, GABRIELA, Gomez de Diego, Jose Juan, JIMÉNEZ QUEVEDO, PILAR, FERNÁNDEZ ORTIZ, ANTONIO IGNACIO, PÉREZ-VILLACASTÍN DOMÍNGUEZ, JULIÁN, DE AGUSTIN LOECHES, JOSE ALBERTO. Correlation of Intraprocedural and Follow Up Parameters for Mitral Regurgitation Grading after Percutaneous Edge-to-Edge Repair. *Journal of Clinical Medicine*. 2022;11 (9): -. DOI: 10.3390/jcm11092276. FI: 4,964. (Q2).

### Clinical practice guidelines

RGorostidi, M., Gijon-Conde, T., de la Sierra, A., Rodilla, E., Rubio, E., Vinyoles, E., Oliveras, A., Santamaria, R., Segura, J., Molinero, A., Perez-Manchon, D., Abad, M., Abellan, J., Armario, P., Banegas, J. R., Camafort, M., Catalina, C., Coca, A., Divison, J. A., Domenech, M., Martell, N., Martin-Rioboo, E., Morales-Olivas, F., Pallares, V, PÉREZ DE ISLA, LEOPOLDO, Prieto, M. A., Redon, J., Ruilope, L. M., GARCIA DONAIRE, JOSE ANTONIO. 2022 Practice guidelines for the management of arterial hypertension of the Spanish Society of Hypertension. *HIPERTENSION Y RIESGO VASCULAR*. 2022. 39(4):194. 10.1016/j.hipert.2022.09.002.

### New non competitive funding

ECL.21/445. ESTUDIO ECOLÓGICO PARA DESCRIBIR EL ECL.21/554. ENSAYO MULTICÉNTRICO, ALEATORIZADO, DOBLE CIEGO Y CONTROLADO CON PLACEBO QUE EVALÚA EL IMPACTO DE INCLISIRÁN EN LOS ACONTECIMIENTOS CARDIOVASCULARES ADVERSOS MAYORES EN PARTICIPANTES CON ENFERMEDAD CARDIOVASCULAR ESTABLECIDA (VICTORION-2 PREVENT). PI: PÉREZ DE ISLA, LEOPOLDO.

ECL.22/187. ESTUDIO DE FASE IIIB, MULTICÉNTRICO, ALEATORIZADO, DOBLE CIEGO, CONTROLADO CON PLACEBO Y DE GRUPOS PARALELOS QUE EVALÚA EL EFECTO DE INCLISIRÁN EN LA PROGRESIÓN DE LA PLACA ATROSCLERÓTICA EVALUADA MEDIANTE ANGIOGRAFÍA CORONARIA POR TOMOGRAFÍA COMPUTARIZA. PI: PÉREZ DE ISLA, LEOPOLDO.

ECL.22/378. ESTUDIO MULTICÉNTRICO Y TRANSVERSAL PARA CARACTERIZAR LA DISTRIBUCIÓN DE LOS NIVELES DE LIPOPROTEÍNA(A) ENTRE PACIENTES CON ANTECEDENTES DOCUMENTADOS DE ENFERMEDAD CARDIOVASCULAR ATROSCLERÓTICA (ECVA). PI: PÉREZ DE ISLA, LEOPOLDO.

## CV.4

### Arrhythmia



#### Leading researcher

Julián Pérez-Villacastín Domínguez

#### Members

David Filgueiras Rama  
 Eduardo Martínez Gómez  
 Isabel Sicilia Bravo  
 Jennifer Nuñez Chavarry  
 Jesús Enrique Flores Soler  
 Josebe Goirigolzarri Artaza  
 Juan José González Ferrer  
 M<sup>a</sup> Jesús García Torrent  
 María Eugenia Aldama Martín  
 María Herreros Gil  
 María Sánchez Sánchez  
 María Victoria Cañadas Godoy  
 Marta Lourdes Casas De La Cal  
 Mónica Lamuedra Del Olmo  
 Nicasio Pérez Castellano  
 Ricardo Salgado Aranda  
 Virginia Beatriz Cerrón Rodríguez

#### Scientific production

N° of papers (WoS)	<b>20</b>
% Open Access (N°)	<b>50%</b> (10)
% Citable Items (N°)	<b>44%</b> (7)
N° of papers JCR indexed	<b>16</b>
Q1 (citable items)	<b>29%</b> (2)
D1 (citable items)	<b>29%</b> (2)
Cumulative IF	<b>47,704</b>
Average IF	<b>6,841</b>



#### Overview

The Arrhythmia Unit of the Hospital Clínico San Carlos, established in December 2000, belongs to the Cardiovascular Institute of the hospital. The cardiologists within the group are accredited in Interventional Cardiac Electrophysiology by the Spanish and European Society, and they are members of the Spanish and European Society of Cardiology.

Today, five competitively funded projects are being developed, among which two are from the Health Research Fund of the Instituto Carlos III and three additional privately funded projects are also elaborated by the team itself. The group is also involved in seven competitive multicenter clinical trials, being Dr. Perez-Villacastín the national coordinator in two of them. In addition, the group contributes to the record of arrhythmia ablations at a national and international level, to the research in implantable devices and to the EURObservational Research Program from the European Cardiology Society.

## CV.4

### Selected publications

Romero-Becerra, Rafael, Mora, Alfonso, Manieri, Elisa, Nikolic, Ivana, Santamans, Ayelen Melina, Montalvo-Romeral, Valle, Cruz, Francisco Miguel, Rodriguez, Elena, Leon, Marta, Leiva-Vega, Luis, Sanz, Laura, Bondia, Victor, FILGUEIRAS RAMA, DAVID, Jimenez-Borreguero, Luis Jesus, Jalife, Jose, Gonzalez-Teran, Barbara, Sabio, Guadalupe. MKK6 deficiency promotes cardiac dysfunction through MKK3-p38 gamma/delta-mTOR hyperactivation. *eLife*. 2022; 11: -. DOI: 10.7554/eLife.75250. FI: 8,713. (D1).

Macias, Alvaro, Diaz-Larrosa, J. Jaime, Blanco, Yaazan, Fanjul, Victor, Gonzalez-Gomez, Cristina, Gonzalo, Pilar, Jesus Andres-Manzano, Maria, Monteiro da Rocha, Andre, Ponce-Balbuena, Daniela, Allan, Andrew, FILGUEIRAS RAMA, DAVID, Jalife, Jose, Andres, Vicente. Paclitaxel mitigates structural alterations and cardiac conduction system defects in a mouse model of Hutchinson-Gilford progeria syndrome. *CARDIOVASCULAR RESEARCH*. 2022; 118 (2): 503-516. DOI: 10.1093/cvr/cvab055. FI: 13,081. (D1).

Santoro, Francesco, NÚÑEZ GIL, IVÁN JAVIER, Vitale, Enrica, Viana-Llamas, Maria C., Romero, Rodolfo, Maroun Eid, Charbel, Feltes Guzman, Gisela, Becerra-Munoz, Victor Manuel, Fernandez Rozas, Inmaculada, Uribarri, Aitor, Alfonso-Rodriguez, Emilio, Garcia Aguado, Marcos, Huang, Jia, Castro Mejia, Alex Fernando, Garcia Prieto, Juan Fortunato, Elola, Javier, Ugo, Fabrizio, CERRATO MERA, CRISTINA, Signes-Costa, Jaime, Raposeiras Roubin, Sergio, Jativa Mendez, Jorge Luis, Espejo Paeres, Carolina, Lopez Masjuan, Alvaro, Marin, Francisco, Guerra, Federico, El-Battrawy, Ibrahim, Cortese, Bernardo, Ramakrishna, Harish, PÉREZ-VILLACASTÍN DOMÍNGUEZ, JULIÁN, FERNÁNDEZ ORTIZ, ANTONIO IGNACIO, Brunetti, Natale Daniele. Aspirin Therapy on Prophylactic Anticoagulation for Patients Hospitalized With COVID-19: A Propensity Score-Matched Cohort Analysis of the HOPE-COVID-19 Registry. *JOURNAL OF THE AMERICAN HEART ASSOCIATION*. 2022; 11 (13): -. DOI: 10.1161/JAHA.121.024530. FI: 6,106. (Q2).

### Awards

Researcher aware: David Filgueiras Rama. Winning work: Uso de tecnología de monitorización remota y señal eléctrica cardíaca en la estratificación del riesgo paciente-específico de deterioro de insuficiencia cardíaca y arritmias ventriculares potencialmente letales. Award: Jóvenes Investigadores de la Fundación AstraZeneca.

### Doctorate theses

Doctoral candidate: Julián Palacios Rubio. Thesis title: Estudio multicéntrico de validación del análisis espectral de la fibrilación ventricular como predictor pronóstico en la parada cardíaca (AWAKE). Director(s): David Filgueiras Rama, Julián Pérez-Villacastín, Carlos Macaya Miguel. University: Universidad Complutense de Madrid.

Doctoral candidate: Eduardo Martínez Gómez. Thesis title: Estudio comparativo de ablación de fibrilación auricular con el balón de radiofrecuencia frente a críoablación. Director(s): Nicasio Pérez Castellano, Ricardo Salgado Aranda, Julián

Pérez-Villacastín Domínguez. University: Universidad Complutense de Madrid.

Doctoral candidate: Jesús Diz Diaz. Thesis title: Electrogram-based algorithm to predict VENTricular arrhythmic events in heart FailuRE patiEnts (EVENT-FREE). Director(s): David Filgueiras Rama, Julián Pérez-Villacastín. University: Universidad Complutense de Madrid.

Doctoral candidate: Giulio La Rosa. Thesis title: Role of Gut Microbiome and microRNAs in the development and progression of Atrial Fibrillation. Director(s): David Filgueiras Rama. University: Universidad Autonoma de Madrid

Doctoral candidate: Daniel Enríquez Vázquez. Thesis title: Simultaneous echocardiography and electrocardiography-based atrial electromechanical mapping during atrial fibrillation to predict effective pharmacological cardioversion. Director(s): David Filgueiras Rama, Julián Pérez-Villacastín, Carlos Macaya Miguel. University: Universidad Complutense de Madrid

Doctoral candidate: Alba Ramos Prada. Thesis title: Electrophysiological Correlation and Validation of Ischemic Ventricular Tachycardia Reentrant Circuits derived from magnetic resonance imaging images. Director(s): David Filgueiras Rama, Jorge García Quintanilla. University: Universidad Autónoma de Madrid.

### New non competitive funding

ECL.21/641. BoStOn SCientific Rhythm MAnagement REgiStry (SOCRATES). PI: PÉREZ CASTELLANO, NICASIO.

ECL.22/043. INTELIGENCIA ARTIFICIAL APLICADA AL PACING. (IA-pacing). PI: PÉREZ CASTELLANO, NICASIO.

ECL.21/450. SEGURIDAD Y RENDIMIENTO DE LAS SONDAS DF4 VENTRICULARES INVICTA CON FIJACIÓN ACTIVA (APOLLO). PI: PÉREZ CASTELLANO, NICASIO. Funding organisation: MICROPORT CRM.

NPC.M01BOS. Economic impact of the use of HeartLogic™ in the Spanish National Healthcare System compared with the standard care in heart failure patients. PI: PÉREZ CASTELLANO, NICASIO. Funding organisation: BOSTON SCIENTIFIC INTERNACIONAL S.A.

### Technology transfer

Method for the identification of cardiac fibrillation drivers and/or the footprint of rotational activations using single optical or electrical signals without requiring panoramic simultaneous acquisition: Inventors: Jorge García Quintanilla; David Filgueiras Rama; Nicasio Pérez Castellano; Julián Pérez-Villacastín.

### Visiting researcher

Visiting researcher: Jesús Daniel Martínez Alday. Country of origin: Spain. Center: Hospital de Basurto.

## CV.6

### Predictive Biomedicine and Translational Research in Respiratory, Cardiovascular and Metabolic Diseases



#### Leading researcher

Myriam Calle Rubio

José Javier Zamorano León

#### Members

Ana López de Andrés

Antonio Ignacio Martín Conejero

Carlos Hugo Martínez Martínez

Francisco Javier Serrano Hernando

Gianna Vargas Centanaro

Guillermo Moñux Ducajú

Joaquín Poch Broto

José Luis Álvarez-Sala Walther

Juan Luis Rodríguez Hermosa

Khaoula Zekri

M<sup>ª</sup> Cruz Iglesias Moreno

Manuel Gómez Serrano

Meritxell López Gallardo

Natalia De Las Heras Jiménez

Rodrigo Jiménez García

Sandra Ballesteros Rodrigálvarez

Vicente Lahera Juliá

#### Scientific production

N° of papers (WoS)	<b>36</b>
% Open Access (N°)	<b>100%</b> (36)
% Citable Items (N°)	<b>100%</b> (32)
N° of papers JCR indexed	<b>32</b>
Q1 (citable items)	<b>28%</b> (9)
D1 (citable items)	<b>3%</b> (1)
Cumulative IF	<b>175,897</b>
Average IF	<b>5,496</b>



#### Overview

The Cardiovascular Research Unit focuses on two main translational research lines: On one hand, on the research of biomarkers of prognosis / diagnosis and drug response, on the signaling pathways associated with cardiovascular pathophysiology, and on the action of drugs used in the treatment of cardiovascular diseases. For this purpose, classical molecular biology techniques (Western blot, ELISA etc.), and 2DE proteomics and mass spectrometry are performed. The second research line focuses on the study of genetic alterations associated with sudden death in sports, primarily using genetic and epigenetic studies.



## CV.6

### Selected publications

Araujo, Angela M., Abaurrea, Andrea, Azcoaga, Peio, Lopez-Velazco, Joanna, MANZANO FIGUEROA, SARA, RODRIGUEZ HERMOSA, JUAN LUIS, Rezola, Ricardo, Egia-Mendikute, Leire, Valdes-Mora, Fatima, Flores, Juana M., Jenkins, Liam, Pulido, Laura, Osorio-Querejeta, Inaki, Fernandez-Nogueira, Patricia, Ferrari, Nicola, Viera, Cristina, Martin-Martin, Natalia, Tzankov, Alexandar, Eppenberger-Castori, Serenella, Alvarez-Lopez, Isabel, Urruticoechea, Ander, BRAGADO DOMINGO, PALOMA, Coleman, Nicholas, Palazon, Asis, Carracedo, Arkaitz, Gallego-Ortega, David, Calvo, Fernando, Isacke, Clare M., Caffarel, Maria M., Lawrie, Charles H. Stromal oncostatin M cytokine promotes breast cancer progression by reprogramming the tumor microenvironment. *JOURNAL OF CLINICAL INVESTIGATION*. 2022; 132 (7): -. DOI: 10.1172/JCI148667. FI: 19,456. (D1).

LOPEZ DE ANDRES, ANA, JIMÉNEZ GARCÍA, RODRIGO, Hernandez-Barrera, Valentin, de-Miguel-Diez, Javier, de-Miguel-Yanes, Jose M., Martinez-Hernandez, David, Carabantes-Alarcon, David, ZAMORANO LEÓN, JOSÉ JAVIER, Noriega, Concepcion. Sex-related disparities in the incidence and outcomes of infective endocarditis according to type 2 diabetes mellitus status in Spain, 2016-2020. *CARDIOVASCULAR DIABETOLOGY*. 2022; 21 (1): -. DOI: 10.1186/s12933-022-01633-2. FI: 8,949. (Q1).

Safont, Belen, Tarraso, Julia, Rodriguez-Borja, Enrique, Fernandez-Fabrellas, Estrella, Sancho-Chust, Jose N., Molina, Virginia, Lopez-Ramirez, Cecilia, Lope-Martinez, Amaia, Cabanes, Luis, Luz Andreu, Ada, Herrera, Susana, Lahosa, Carolina, Antonio Ros, Jose, RODRIGUEZ HERMOSA, JUAN LUIS, Soriano, Joan B., Moret-Tatay, Ines, Carbonell-Asins, Juan Antonio, Mulet, Alba, Signes-Costa, Jaime. Lung Function, Radiological Findings and Biomarkers of Fibrogenesis in a Cohort of COVID-19 Patients Six Months After Hospital Discharge. *ARCHIVOS DE BRONCONEUMOLOGIA*. 2022; 58 (2): 142-149. DOI: 10.1016/j.arbres.2021.08.014. FI: 6,333. (Q1).

### Clinical practical guidelines

Cosio, Borja G., Hernandez, Carme, Chiner, Eusebi, Gimeno-Santos, Elena, Pleguezuelos, Eulogio, Seijas, Nuria, Rigau, David, Luis Lopez-Campos, Jose, Jose Soler-Cataluna, Juan, CALLE RUBIO, MYRIAM, Miravittles, Marc, Casanova, Ciro, GesEPOC 2021 Task Force. Spanish COPD Guidelines (GesEPOC 2021): Non-pharmacological Treatment Update. *ARCHIVOS DE BRONCONEUMOLOGIA*. 2022. 58(4): 248-351. 10.1016/j.arbres.2021.08.024.

Luis Lopez-Campos, Jose, Almagro, Pere, Tomas Gomez, Jose, Chiner, Eusebi, Palacios, Leopoldo, Hernandez, Carme, Dolores Navarro, M., Molina, Jesus, Rigau, David, Jose Soler-Cataluna, Juan, CALLE RUBIO, MYRIAM, Cosio, Borja G., Casanova, Ciro, Miravittles, Marc, GesEPOC 2021 Work Team. Spanish COPD Guideline (GesEPOC) Update: Comorbidities, Self-Management and Palliative Care. *ARCHIVOS DE BRONCONEUMOLOGIA*. 2022. 58(4): 345-344. 10.1016/j.arbres.2021.08.023.

Soler-Cataluna, Juan Jose, Pinera, Pascual, Antonio Trigueros, Juan, CALLE RUBIO, MYRIAM, Casanova, Ciro, Cosio, Borja G., Lopez-Campos, Jose Luis, Molina, Jesus, Almagro, Pere, Gomez, Jose-Tomas, Antonio Riesco, Juan, Simonet, Pere, Rigau, David, Soriano, Joan B., Ancochea, Julio, Miravittles, Marc, Grp Trabajo GesEPOC 2021. Spanish COPD Guidelines (GesEPOC) 2021 Update Diagnosis and Treatment of COPD Exacerbation Syndrome. *ARCHIVOS DE BRONCONEUMOLOGIA*. 2022. 58(2): 1260-170. 10.1016/j.arbres.2021.05.011.

Muraro, Antonella, Worm, Margitta, Alviani, Cherry, Cardona, Victoria, DunnGalvin, Audrey, Garvey, Lene Heise, Riggioni, Carmen, de Silva, Debra, Angier, Elizabeth, Arasi, Stefania, Bellou, Abdelouahab, Beyer, Kirsten, Bijlhout, Diola, Bilo, Maria Beatrice,

Bindslev-Jensen, Carsten, Brockow, Knut, FERNÁNDEZ RIVAS, MARÍA MONTSERRAT, Halken, Susanne, Jensen, Britt, Khaleva, Ekaterina, Michaelis, Louise J., Oude Elberink, Hanneke N. G., Regent, Lynne, SÁNCHEZ MUÑOZ, ARÁNZA, Vlieg-Boerstra, Berber J., Roberts, Graham, European Acad Allergy Clinical Imm. EAACI guideline: Anaphylaxis (2021 update). *Allergy*. 2022. 77(2): 209-377. 10.1111/all.15032.

Miravittles, Marc, CALLE RUBIO, MYRIAM, Molina, Jesus, Almagro, Pere, Gomez, Jose-Tomas, Antonio Trigueros, Juan, Cosio, Borja G., Casanova, Ciro, Luis Lopez-Campos, Jose, Antonio Riesco, Juan, Simonet, Pere, Rigau, David, Soriano, Joan B., Ancochea, Julio, Jose Soler-Cataluna, Juan. Spanish COPD Guidelines (GesEPOC) 2021: Updated Pharmacological treatment of stable COPD. *ARCHIVOS DE BRONCONEUMOLOGIA*. 2022. 58(1). 10.1016/j.arbres.2021.03.005.

CALLE RUBIO, MYRIAM, Lopez-Campos, Jose Luis, Alonso, Jose Luis Izquierdo, Pitarche, Dolores Martinez, Pascual, Milagros Iriberrí, Navarrete, Bernardino Alcazar, Falcones, Manuel Valle, Ingles, Maria Jesus Aviles, Lopez, Carlos Cabrera, Martinez, Carlos Jose Alvarez, Ruiz, Francisco Ortega, Golpe, Rafael, Gomila, Antonia Fuster, Guardia, Sergi Pascual, Miranda, Juan Antonio Riesco, Peces-Barbac, German, Garcia-Rio, Francisco, Muniz, Manuel Angel Martinez, Cosio, Borja G. Consensus on the Management of the COPD Patient in the COVID-19 Setting: COPD Forum Working Group. *ARCHIVOS DE BRONCONEUMOLOGIA*. 2022. 58(11): 397-779. 10.1016/j.arbres.2022.04.011.

### Doctorate theses

Doctoral candidate: MADAY CABRERO FERNANDEZ. Thesis title: EFECTO DE LA HOMEOSTASIS Y FUNCIONALIDAD MITOCONDRIAL EN EL ANEURISMA DE AORTA ABDOMINAL Y SU MODIFICACIÓN MEDIANTE LA INHIBICIÓN DEL FACTOR Xa POR RIVAROXABÁN. Director(s): FRANCISCO JAVIER SERRANO HERNANDO; GUILLERMO MOÑUX DUCAJÚ; JOSÉ JAVIER ZAMORANO LEÓN. University: Universidad Complutense de Madrid.

### New non competitive funding

ECL.22/486. ESTUDIO DE 52 SEMANAS DE DURACIÓN, ALEATORIZADO, DOBLE CIEGO, CON DOBLE SIMULACIÓN, DE GRUPOS PARALELOS, MULTICÉNTRICO, DE NO INFERIORIDAD, PARA EVALUAR LA TASA DE EXACERBACIÓN, LAS MEDICIONES ADICIONALES DE CONTROL DEL ASMA Y LA SEGURIDAD EN PARTICIPANTE. PI: PINEDO SIERRA, CELIA.

ECL.22/276. A PHASE IIa, RANDOMIZED, DOUBLE BLIND, PLACEBO CONTROLLED STUDY TO ASSESS THE EFFECT OF PBF-680 IN PATIENTS WITH MODERATE TO SEVERE COPD ON TOP OF THE STANDARD MEDICATION. PI: RODRIGUEZ HERMOSA, JUAN LUIS.

ECL.22/507. ESTUDIO DE 52 SEMANAS ALEATORIZADO, CON DOBLE CIEGO Y CON DOBLE SIMULACIÓN, CONTROLADO CON PLACEBO Y TRATAMIENTO ACTIVO (ROFLUMILAST, DALIRESP® 500 µG) Y DE GRUPOS PARALELOS PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE DOS DOSIS DE CHF6001 ADMINISTRADAS CON. PI: RODRIGUEZ HERMOSA, JUAN LUIS.

ECL.22/508. ESTUDIO DE 52 SEMANAS, ALEATORIZADO, CON ENMASCARAMIENTO DOBLE, CONTROLADO CON PLACEBO, CON GRUPOS PARALELOS, PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE DOS DOSIS DE CHF6001 ADMINISTRADAS CON INHALADOR DE POLVO SECO (DPI) COMO COMPLEMENTO A UN TRATAMIENTO. PI: RODRIGUEZ HERMOSA, JUAN LUIS.

Potential effects of Vericiguat on inflammatory and oxidative response as well as on mitochondrial functionality in human endocardial microvascular endothelial cells, myocyte and cardiac fibroblasts from human heart ventricle. PI: ZAMORANO LEÓN, JOSÉ JAVIER. Funding organisation: BAYER AG.



## CV.7

### Valvular Pathology and Large Vessels

#### Leading researcher

Isidre Vilacosta

#### Members

Carmen Olmos Blanco

Lourdes Montero Cruces

Luis Carlos Maroto Castellanos

#### Scientific production

N° of papers (WoS)	<b>26</b>
% Open Access (N°)	<b>38%</b> (10)
% Citable Items (N°)	<b>36%</b> (8)
N° of papers JCR indexed	<b>22</b>
Q1 (citable items)	<b>38%</b> (3)
D1 (citable items)	<b>13%</b> (1)
Cumulative IF	<b>51,68</b>
Average IF	<b>6,46</b>

#### Overview

In 1996, a multicenter group (H. Clinical, H. H. U. of Valladolid and Princess) for the study of endocarditis was created. Since then, the group, together with the important contribution of the Clinical Microbiology Service and Cardiac Surgery, manages a database including 900 patients suffering from this serious infectious valvular disease. Numerous publications in national and international journals, as well as a FIS grant to further study this disease, have resulted from this collaboration and hard work: The ENDOVAL project. In this area we are specifically investigating the following aspects: the diagnostic yield of echocardiography, factors of poor prognosis of the disease, and the adequacy of surgery among others.

The group also works together with the Cardiac Surgery Service, and is pioneer on the acute aortic syndrome and the ascending aortic aneurysms. Upon definition of these features by the group in 2001, the different elements that conform the acute aortic pathology are known as the acute aortic syndrome (AAS).



## CV.7

### Selected publications

Citro, Rodolfo, Chan, Kwan-Leung, Miglioranza, Marcelo Haertel, Laroche, Cecile, Benvenga, Rossella Maria, Furnaz, Shumaila, Magne, Julien, OLMOS BLANCO, CARMEN, Paelinck, Bernard P., Pasquet, Agnes, Piper, Cornelia, Salsano, Antonio, Savoure, Arnaud, Park, Seung Woo, Szymanski, Piotr, Tattevin, Pierre, Vallejo Camazon, Nuria, Lancellotti, Patrizio, Habib, Gilbert, EURO ENDO Investigators Grp. Clinical profile and outcome of recurrent infective endocarditis. *Heart*. 2022; 108 (21): 1729-1736. DOI: 10.1136/heartjnl-2021-320652. FI: 7,365. (D1).

Bohbot, Yohann, Habib, Gilbert, Laroche, Cecile, Stohr, Elisabeth, Chirouze, Catherine, Hernandez-Meneses, Marta, Melissopoulou, Maria, Mutlu, Bulent, Scheggi, Valentina, Branco, Luisa, OLMOS BLANCO, CARMEN, Reyes, Graciela, Pazdernik, Michal, lung, Bernard, Sow, Rouguiatou, Mirocevic, Maja, Lancellotti, Patrizio, Tribouilloy, Christophe, EORP EURO ENDO Registry Investigat. Characteristics, management, and outcomes of patients with left-sided infective endocarditis complicated by heart failure: a substudy of the ESC-EORP EURO-ENDO (European infective endocarditis) registry. *EUROPEAN JOURNAL OF HEART FAILURE*. 2022; 24 (7): 1253-1265. DOI: 10.1002/ehjhf.2525. FI: 17,349. (Q1).

Cabezón, Gonzalo, LÓPEZ MARTÍN, JAVIER, VILACOSTA, ISIDRE, Saez, Carmen, Elpidio Garcia-Granja, Pablo, OLMOS BLANCO, CARMEN, JERONIMO BAZA, ADRIAN, Gutierrez, Angela, Pulido, Paloma, de Miguel, Maria, Gomez, Itziar, Alberto San Roman, J. Reassessment of Vegetation Size as a Sole Indication for Surgery in Left-Sided Infective Endocarditis. *JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY*. 2022; 35 (6): 570-575. DOI: 10.1016/j.echo.2021.12.013. FI: 7,722. (Q1).

### Doctorate theses

Doctoral candidate: Fernando Macaya Ten. Thesis title: Diagnóstico y Tratamiento de la Disección Coronaria Espontánea. Director(s): Isidre Vilacosta. University: Universidad Complutense de Madrid

### New competitive funding

ECL.21/534. REGISTRO OBSERVACIONAL MULTICÉNTRICO POSVENTA DEL SISTEMA DE IMPLANTACIÓN DE CUERDAS ARTIFICIALES NEOCHORD. PI: MAROTO CASTELLANOS, LUIS CARLOS.

### New non competitive funding

INT21/00049. Contratos para la intensificación de la actividad investigadora del SNS: Carmen Olmos. PI: OLMOS BLANCO, CARMEN. Funding organisation: INSTITUTO DE SALUD CARLOS III.

## CV.8

### Translational Research in Acute Myocardial Syndromes (INTEGRA)



#### Leading researcher

Antonio Ignacio Fernández Ortiz

#### Members

- Ana Viana Tejedor
- Carlos Felipe Ferrera Durán
- Francisco Javier Noriega Sanz
- Iván Javier Núñez Gil
- Javier Higuera Nafria
- Luis David Vivas Balcones
- María Esther Bernardo García
- Silvia Mera González

Scientific production	
N° of papers (WoS)	<b>65</b>
% Open Access (N°)	<b>58%</b> (38)
% Citable Items (N°)	<b>67%</b> (35)
N° of papers JCR indexed	<b>52</b>
Q1 (citable items)	<b>31%</b> (11)
D1 (citable items)	<b>23%</b> (8)
Cumulative IF	<b>470,176</b>
Average IF	<b>13,432</b>

#### Overview

The group is formed by cardiologists (Antonio Fernández-Ortiz, Iván Núñez-Gil, David Vivas, Ana Viana, Javier Nogueira and Javier Higuera) and biologists (Esther Bernardo). Health care work is integrated into the Coronary Care Unit, the hospital facility and the hemodynamic rooms. The group has common research facilities at the Cardiovascular Institute. Over the last years, the group has focused on the study of platelet/leucocyte reactivity in patients with ischemic heart disease. Clinical aspects of transient apical dyskinesia have also been studied, and a research line on the ischemia-reperfusion myocardial injury has been opened in close collaboration with CNIC. Relevant publications in the last 5 years include 3 articles in JACC, 2 in Diabetes, 2 in Heart, 3 in the AJC, and 5 in REC. The group is involved in numerous multicenter clinical trials and has competitive funding from official calls (FIS, FICI, CNIC, SEC, MM).



## CV.8

### Selected publications

Garcia-Lunar, Ines, van der Ploeg, Hidde P., Fernandez Alvira, Juan Miguel, van Nassau, Femke, Castellano Vazquez, Jose Maria, van der Beek, Allard J., Rossello, Xavier, FERNÁNDEZ ORTIZ, ANTONIO IGNACIO, Coffeng, Jennifer, van Dongen, Johanna M., Maria Mendiguren, Jose, IBÁÑEZ CABEZA, BORJA, van Mechelen, Willem, Fuster, Valentin. Effects of a comprehensive lifestyle intervention on cardiovascular health: the TANSNIP-PESA trial. EUROPEAN HEART JOURNAL. 2022; 43 (38): 3732-. DOI: 10.1093/eurheartj/ehac378. FI: 35,855. (D1).

Castellano, Jose M., Pocock, Stuart J., Bhatt, Deepak L., Quesada, Antonio J., Owen, Ruth, FERNÁNDEZ ORTIZ, ANTONIO IGNACIO, Sanchez, Pedro L., Marin Ortuno, Francisco, Vazquez Rodriguez, Jose M., Domingo-Fernandez, Alexandra, Lozano, Inigo, Roncaglioni, Maria C., Baviera, Marta, Foresta, Andreana, Ojeda-Fernandez, Luisa, Colivicchi, Furio, Di Fusco, Stefania A., Doehner, Wolfram, Meyer, Antje, Schiele, Francois, Ecarnot, Fiona, Linhart, Ales, Lubanda, Jean-Claude, Barczi, Gregory, Merkely, Bela, Ponikowski, Piotr, Kasprzak, Marta, Fernandez Alvira, Juan M., Andres, Vicente, Bueno, Hector, Collier, Timothy, Van de Werf, Frans, Perel, Pablo, Rodriguez-Manero, Moises, Alonso Garcia, Angeles, Proietti, Marco, Schoos, Mikkel M., Simon, Tabassome, Fernandez Ferro, Jose, Lopez, Nicolas, Beghi, Ettore, Bejot, Yannick, VIVAS BALCONES, LUIS DAVID, Cordero, Alberto, IBÁÑEZ CABEZA, BORJA, Fuster, Valentin, SECURE Investigators. Polypill Strategy in Secondary Cardiovascular Prevention. NEW ENGLAND JOURNAL OF MEDICINE. 2022; 387 (11): 967-977. DOI: 10.1056/NEJMoa2208275. FI: 176,079. (D1).

Lopez-Melgar, Beatriz, Mass, Virginia, Nogales, Paula, Sanchez-Gonzalez, Javier, Entekin, Robert, Collet-Billon, Antoine, Rossello, Xavier, Fernandez-Friera, Leticia, FERNÁNDEZ ORTIZ, ANTONIO IGNACIO, SANZ ORTEGA, JULIÁN, Bentzon, Jacob F., Bueno, Hector, IBÁÑEZ CABEZA, BORJA, Fuster, Valentin. New 3-Dimensional Volumetric Ultrasound Method for Accurate Quantification of Atherosclerotic Plaque Volume. JACC-CARDIOVASCULAR IMAGING. 2022; 15 (6): 1124-1135. DOI: 10.1016/j.jcmg.2022.01.005. FI: 16,051. (D1).

### Awards

Researcher aware: Carlos Felipe Ferrera Durán. Winning work: Código Aorta Cardio RED1. Award: VII Reconocimiento a las Mejores Prácticas en Gestión de la Calidad del Servicio Madrileño de Salud.

Researchers aware: Victor Manuel becerra Muñoz, Ivan J Nuñez Gil, Charbel Maroun, Marcos García Aguado, Rodolfo Romero, Jia Huang, Alba Mulet, Fabrizio Hugo, Francesco Rametta, Christoph Liebetrau, Alvaro Aparisi, Inmaculada Fernandez-Rozas, Maria C. Viana-Llamas, Gisela Feltes, Martino Pepe, Luis A. Morteno Rondón, Enrico Cerrato, Sergio Rapouseiras Roubin, Emilio Alfonso, Ana Carrero Fernandez, Luis Buzón-Martín, Mohammad Abumayyaleh, Adelina Gonzalez, Antonio Fernandez Ortiz, Carlos Macaya, Vicente Estrada, Cristina Fernandez-Pérez, Juan José Gomez-Doblas. Winning work: Clinical Profile and Predictors of In-Hospital Mortality Among Older Patients Hospitalised for Covid-19. Award: Fundación Ilustre Real Colegio Oficial de Médicos de Málaga.

### Clinical practical guidelines

Cormican, Daniel S., Drennen, Zachary, Sonny, Abraham, Crowley, Jerome C., NÚÑEZ GIL, IVÁN JAVIER, Ramakrishna, Harish. Functional Mitral Regurgitation in Heart Failure: Analysis of the ESC Multidisciplinary Heart-Team Position Statement and Review of Current Guidelines. JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA. 2022. 36(8): 3250:3364. 10.1053/j.jvca.2021.09.004.

### New competitive funding

AFO.MICINN.21. Clinical trial to evaluate the administration of ApTOLL in Acute Myocardial Infarction. APSTEMI. PI: FERNÁNDEZ ORTIZ, ANTONIO IGNACIO. Funding organisation: MINISTERIO DE CIENCIA E INNOVACION.

REFORM. A Randomized, Placebo-controlled Phase 2b Study to Evaluate the Safety and Efficacy of MEDI6012 in Acute ST Elevation Myocardial Infarction. PI: FERNÁNDEZ ORTIZ, ANTONIO IGNACIO.

### New non competitive funding

ECL.21/764. REGISTRO DE LA PROFILAXIS CARDIOEMBÓLICA DE LOS PACIENTES CON CÁNCER EN TRATAMIENTO ONCOESPECÍFICO. PI: VIVAS BALCONES, LUIS DAVID.

ECL.22/305. CATALYST: INVESTIGACIÓN CLÍNICA EN PACIENTES CON FIBRILACIÓN AURICULAR QUE COMPARA EL TRATAMIENTO DE OCLUSIÓN DE LA OREJUELA AURICULAR IZQUIERDA CON EL TRATAMIENTO CON ANTICOAGULANTES ORALES NO ANTAGONISTAS DE LA VITAMINA K. PI: VIVAS BALCONES, LUIS DAVID.

ECL.22/347. ESTUDIO DE FASE II, MULTICÉNTRICO, ALEATORIZADO, PARALELO, DE TRES GRUPOS Y CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE CD132L EN PACIENTES CON FRACCIÓN DE EYECCIÓN VENTRICULAR IZQUIERDA REDUCIDA (=45 %) DESPUÉS DE UN INFARTO DE MIO. PI: VIVAS BALCONES, LUIS DAVID.

ECL.21/454. Estudio multicéntrico, doble ciego, aleatorizado, controlado con placebo y con grupos paralelos para evaluar la eficacia y la seguridad de selatogrel subcutáneo autoadministrado para la prevención de la mortalidad total y el tratamiento del infarto agudo. PI: FERNÁNDEZ ORTIZ, ANTONIO IGNACIO.

## CV.10

### Myocardial Regeneration Therapy



#### Leading researcher

Pilar Jiménez Quevedo

#### Members

Gabriela Tirado Conte

Luis Nombela Franco

María Aranzazu Ortega Pozzi

#### Scientific production

N° of papers (WoS)	<b>74</b>
% Open Access (N°)	<b>35%</b> (26)
% Citable Items (N°)	<b>73%</b> (45)
N° of papers JCR indexed	<b>62</b>
Q1 (citable items)	<b>38%</b> (17)
D1 (citable items)	<b>18%</b> (8)
Cumulative IF	<b>384,16</b>
Average IF	<b>8,537</b>

#### Overview

The advanced therapies for cardiac regeneration and cardiac structural pathology group at Hospital San Carlos consist of cardiologists and cell biologists (4 professionals in total). The team aims to accomplish clinical and translational research in advanced cardiac pathologies. On the one hand, the group members are experts on the procurement, isolation and administration of stem cells into the heart in patients without other therapeutic options. But it has also specialized in new percutaneous intracardiac devices for the treatment of valvular heart disease or heart failure. The ultimate goal is to improve symptoms and prognosis in patients presenting high morbidity and mortality. The members of the group are experts in the cell therapy field and in the percutaneous treatment of valvular heart disease and have broad experience in development of randomized clinical trials.

## CV.10

### Selected publications

Rodes-Cabau, Josep, Abbas, Amr E., Serra, Vicenc, Vilalta, Victoria, NOMBELA FRANCO, LUIS, REGUEIRO GONZÁLEZ-BARROS, JOSÉ RAMÓN, Al-Azizi, Karim M., Iskander, Ayman, Conradi, Lenard, Forcillo, Jessica, Lilly, Scott, Calabuig, Alvaro, Fernandez-Nofrerias, Eduard, Mohammadi, Siamak, Panagides, Vassili, Pelletier-Beaumont, Emilie, Pibarot, Philippe. Balloon- vs Self-Expanding Valve Systems for Failed Small Surgical Aortic Valve Bioprostheses. JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY. 2022; 80 (7): 681-693. DOI: 10.1016/j.jacc.2022.05.005. FI: 27,203. (D1).

Haberman, Dan, Estevez-Loureiro, Rodrigo, Benito-Gonzalez, Tomas, Denti, Paolo, Arzamendi, Dabit, Adamo, Marianna, Freixa, Xavier, NOMBELA FRANCO, LUIS, Villablanca, Pedro, Krivoshei, Lian, Fam, Neil, Spargias, Konstantinos, Czarnecki, Andrew, Pascual, Isaac, Praz, Fabien, Sudarsky, Doron, Kerner, Arthur, Ninios, Vlasis, Gennari, Marco, Beer, Ronen, Perl, Leor, Wasserstrum, Yishay, Danenberg, Haim, Poles, Lion, George, Jacob, Caneiro-Queija, Berenice, Scianna, Salvatore, Moaraf, Igal, Schiavi, Davide, Scardino, Claudia, Corpataux, Noe, Echarte-Morales, Julio, Chrissoheris, Michael, Fernandez-Peregrina, Estefania, Di Pasquale, Mattia, REGUEIRO GONZÁLEZ-BARROS, JOSÉ RAMÓN, Vergara-Uzategui, Carlos, Iniguez-Romo, Andres, Fernandez-Vazquez, Felipe, Dvir, Danny, Maisano, Francesco, Taramasso, Maurizio, Shuvy, Mony. Conservative, surgical, and percutaneous treatment for mitral regurgitation shortly after acute myocardial infarction. EUROPEAN HEART JOURNAL. 2022; 43 (7): 641-. DOI: 10.1093/eurheartj/ehab496. FI: 35,855. (D1).

TIRADO CONTE, GABRIELA, Praco, Radoslaw, Streb, Witold, Gutierrez, Hipolito, Boccuzzi, Giacomo, Arzamendi-Aizpurua, Dabit, Cruz-Gonzalez, Ignacio, Ruiz-Nodar, Juan Miguel, Kim, Jung-Sun, Freixa, Xavier, Lopez-Minguez, Jose Ramon, De Backer, Ole, Ruiz-Salmeron, Rafael, Dominguez, Antonio, McInerney, Angela, Peral, Vicente, Estevez-Loureiro, Rodrigo, Fernandez-Nofrerias, Eduard, Freitas-Ferraz, Afonso B., Saia, Francesco, Huczek, Zenon, Gheorghe, Livia, SALINAS SANGUINO, PABLO, Demkow, Marcin, Delgado-Arana, Jose R., Peregrina, Estefania Fernandez, Kalarus, Zbibniew, Laffond, Ana Elvira, Jang, Yangsoo, Camacho, Jose Carlos Fernandez, Lee, Oh-Hyun, Hernandez-Garcia, Jose M., Mas-Llado, Caterina, Queija, Berenice Caneiro, Amat-Santos, Ignacio J., Dabrowski, Maciej, Rodes-Cabau, Josep, NOMBELA FRANCO, LUIS. Management and outcomes of patients with left atrial appendage thrombus prior to percutaneous closure. Heart. 2022; 108 (14): 1098-1106. DOI: 10.1136/heartjnl-2021-319811. FI: 7,365. (Q1).

### New competitive funding

CM21/00091. Contrato Río Hortega: Gabriela Tirado. PI: NOMBELA FRANCO, LUIS. Funding organisation: INSTITUTO DE SALUD CARLOS III.

### New non competitive funding

22/132-E. VALIDACIÓN CLÍNICA Y EVALUACIÓN PRONÓSTICA DEL ALINEAMIENTO COMISURAL PRECISO DURANTE EL IMPLANTE DE PRÓTESIS AÓRTICA TRANSCATÉTER (ACA) CLINICAL VALIDATION AND PROGNOSTIC EVALUATION OF ACCURATE COMMISSURAL ALIGNMENT DURING TRANSCATHETER AORTIC VALVE IMPL. PI: NOMBELA FRANCO, LUIS.

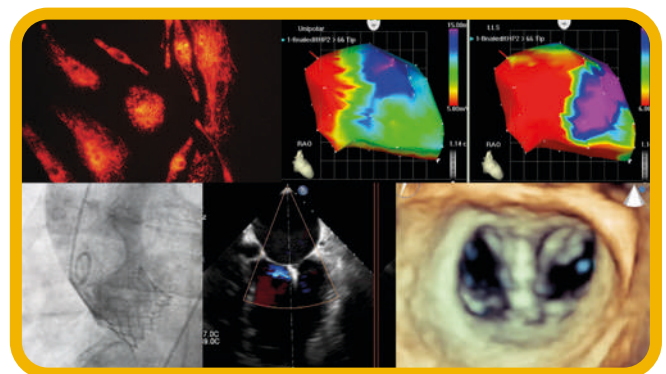
ECL.21/658. ESTABLECIMIENTO DE UNA REFERENCIA PARA LA UTILIZACIÓN DE RECURSOS Y LA CALIDAD DE ASISTENCIA EN PACIENTES SOMETIDOS A LA IMPLANTACIÓN TRANSCATÉTER DE UNA VÁLVULA AÓRTICA EN EUROPA. SETTING A BENCHMARK FOR RESOURCE UTILIZATION AND QUALITY OF CARE IN PATIENTS. PI: NOMBELA FRANCO, LUIS.

ECL.21/685. PRIMERA INVESTIGACIÓN CLÍNICA EN HUMANOS DEL CATÉTER PARA ANGIOPLASTIA CORONARIA TRANSLUMINAL PERCUTÁNEA RECUBIERTO DE EVEROLIMUS DE CHANSU VASCULAR TECHNOLOGIES: EVALUACIÓN CLÍNICA EN EL TRATAMIENTO DE SUJETOS CON REESTENOSIS INTRASTENT DE LESIONES DE AR. PI: JIMÉNEZ QUEVEDO, PILAR.

ECL.22/319. TRICUS REGISTRY - SEGUIMIENTO CLÍNICO RETROSPECTIVO, PROSPECTIVO Y MULTICÉNTRICO DE PACIENTES CON REGURGITACIÓN TRICÚSPIDEA SEVERA TRAS TRATAMIENTO CON EL SISTEMA DE VÁLVULAS BICAVALES TRANSCATÉTER TRICVALVE®. PI: NOMBELA FRANCO, LUIS.

ECL.22/477. SAVVYWIRE™ EFICACIA Y SEGURIDAD EN LOS PROCEDIMIENTOS DE IMPLANTACIÓN TRANSCATÉTER DE VÁLVULAS AÓRTICAS. SAVVYWIRE™ EFFICACY AND SAFETY IN TRANSCATHETER AORTIC VALVE IMPLANTATION PROCEDURES. PI: NOMBELA FRANCO, LUIS.

ECL.22/479. SINGLE ANTIPLATELET THERAPY WITH TICAGRELOR VS ASPIRIN AFTER TRANSCATHETER AORTIC VALVE IMPLANTATION: MULTICENTER RANDOMIZED CLINICAL TRIAL. PI: NOMBELA FRANCO, LUIS.





## CV.11

### Cardiovascular Risk



#### Leading researcher

Nieves Martell Claros  
Dulcenombre Gómez Garre

#### Members

Adriana Ortega Hernández  
Ana María García Ruiz  
Ángel Manuel Molino González  
Ángel Nieto Sánchez  
Arantzazu Álvarez De Arcaya Vicente  
Aránzazu Barbero Pedraz  
Arturo Corbatón Anchuelo  
Javier Marco Martínez  
Jose María Pedrajas Navas  
Leonardo Félix Reinares García  
Manuel Mendez Bailon  
María Abad Cardiel  
Matilde Rodríguez Cerrillo  
Rafael Borge García  
Silvia Sánchez González  
Victoria Laguna Calle

#### Scientific production

N° of papers (WoS)	<b>32</b>
% Open Access (N°)	<b>66%</b> (21)
% Citable Items (N°)	<b>77%</b> (23)
N° of papers JCR indexed	<b>30</b>
Q1 (citable items)	<b>26%</b> (6)
D1 (citable items)	<b>9%</b> (2)
Cumulative IF	<b>116,693</b>
Average IF	<b>5,073</b>

*ciber* | CV *ciber* | DEM

#### Overview

The group has always focused on clinical and experimental research in the area of Cardiovascular Prevention, it started off using health care techniques for the evaluation, diagnosis and monitoring of major risk factors, such as hypertension, diabetes, dyslipidemia and obesity. A large number of researchers have been trained in our laboratory, and 30 doctoral theses have been concluded. Today, some of the doctorates occupy important positions in hospitals, universities and private companies.

## CV.11

### Selected publications

RUIZ ARTACHO, PEDRO, Lecumberri, Ramon, Trujillo-Santos, Javier, Font, Carme, Lopez-Nunez, Juan J., Luisa Peris, Maria, Diaz Pedroche, Carmen, Luis Lobo, Jose, Lopez Jimenez, Luciano, Lopez Reyes, Raquel, Jara Palomares, Luis, PEDRAJAS NAVAS, JOSE MARÍA, Mahe, Isabelle, Monreal, Manuel, PEDRAJAS NAVAS, JOSE MARÍA. Cancer Histology and Natural History of Patients with Lung Cancer and Venous Thromboembolism. *Cancers*. 2022; 14 (17): -. DOI: 10.3390/cancers14174127. FI: 6,575. (Q1).

Catella, Judith, Bertoletti, Laurent, Moustafa, Fares, Antonio Nieto, Jose, Valle, Reina, PEDRAJAS NAVAS, JOSE MARÍA, Villalobos, Aurora, Quere, Isabelle, Sarlon-Bartoli, Gabrielle, Monreal, Manuel, PEDRAJAS NAVAS, JOSE MARÍA. Major gastrointestinal bleeding in patients receiving anticoagulant therapy for venous thromboembolism. *THROMBOSIS RESEARCH*. 2022; 214 (): 29-36. DOI: 10.1016/j.thromres.2022.04.005. FI: 10,407. (D1).

Rubio-Rivas, Manuel, Mora-Lujan, Jose M., Montero, Abelardo, Aguilar Garcia, Josefa Andrea, MENDEZ BAILON, MANUEL, Fernandez Cruz, Ana, Oriol, Isabel, Teigell-Munoz, Francisco-Javier, Dendariena Borque, Beatriz, De la Pena Fernandez, Andres, Fernandez Gonzalez, Raquel, Gil Sanchez, Ricardo, Fernandez Fernandez, Javier, Catalan, Marta, Cortes-Rodriguez, Begona, Mella Perez, Carmen, Montero Rivas, Lorena, Suarez Fuentetaja, Rebeca, Ternero Vega, Jara Eloisa, Ena, Javier, Martin-Urda Diez-Canseco, Anabel, Perez Garcia, Cristina, Varona, Jose F., Manuel Casas-Rojo, Jose, Millan Nunez-Cortes, Jesus, SEMI-COVID-19 Network. The Use of Corticosteroids or Tocilizumab in COVID-19 Based on Inflammatory Markers. *Journal of General Internal Medicine*. 2022; 37 (1): 168-175. DOI: 10.1007/s11606-021-07146-0. FI: 4,597. (D1).

### New competitive funding

ECL.21/565. TRATAMIENTO CARDIOVASCULAR Y RENAL EN PACIENTES CON INSUFICIENCIA CARDÍACA CON HIPERPOTASEMIA O CON ALTO RIESGO DE HIPERPOTASEMIA. PI: MENDEZ BAILON, MANUEL.

### New non competitive funding

PI21/00838. Comunicación huésped-microbiota intestinal a través de vesículas extracelulares en el desarrollo y progresión de la insuficiencia cardiaca. Búsqueda de nuevos biomarcadores. PI: GÓMEZ GARRE, DULCENOMBRE. Funding organisation: INSTITUTO DE SALUD CARLOS III.

### Technology transfer

Spanish patent: Composición farmacéutica para el tratamiento de enfermedades cardiovasculares: Inventors: María Dulcenombre; Gómez Garre.

### Mobility of researcher

Research mobility: Javier Modrego Martín. Country: España. Center: Instituto de Agroquímica y Tecnología de los Alimentos (IATA-CSIC), Paterna, Valencia. Date of departure: 11/01/2022. Return date: 31/03/2022.

Research mobility: Adriana Ortega Hernández. Country: España. Center: Universidad de Extremadura. Date of departure: 26/09/2022. Return date: 29/09/2022.

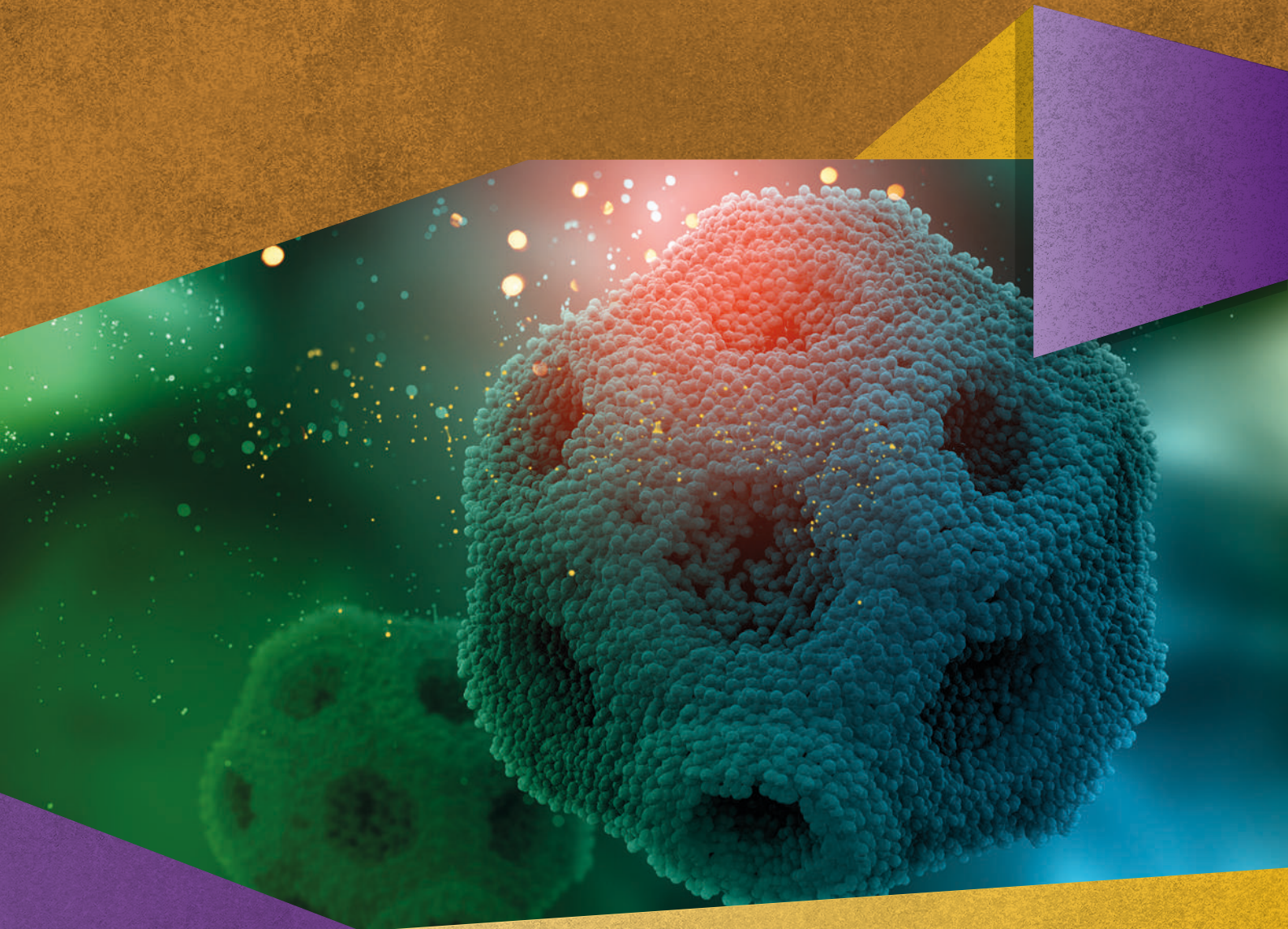
### Visiting researcher

Visiting researcher: Soumaya Wahabi. Country of origin: Túnez. Center: Tunis University. Project: Efecto de dos prebióticos sobre la microbiota intestinal en un modelo experimental de obesidad.

Visiting researcher: Sofia Elena Tesolato. Country of origin: España. Center: Universidad Complutense de Madrid. Project: Relación microbiota intestinal y cáncer de colon.



# Inflammation, infection immunity and allergy



IIIA



# Inflammation, infection, immunity and allergy

## Groups

**IIA.1 Allergy**

**IIA.2 Genetics and molecular bases of complex diseases**

**IIA.3 Musculoskeletal Pathology**

**IIA.7 Molecular and Epidemiological Study of Resistant Microorganisms of Clinical Interest**

**IIA.8 Kidney Diseases and Renal Function Replacement Therapy (Dialysis and Transplantation)**

**IIA.9 Infectious Diseases/HIV**

**IIA.10 Research on INA Infectious Disease**

**IIA.12 Immunology**



## ANNUAL GOALS

Promote communication between groups in the area



Completed

Promote research dissemination activities and outreach to society and patients by participating in the conferences organized by the IdISSC



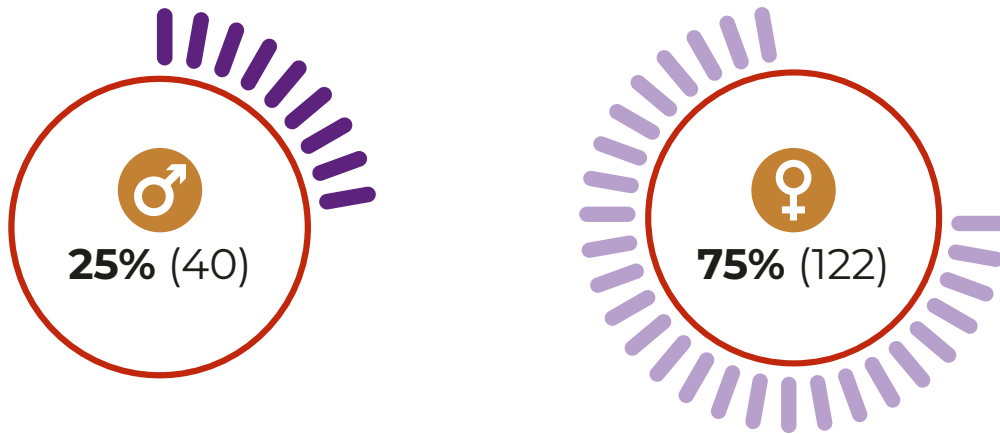
Completed

Improve the capacities of both infrastructure and human resources of the research groups

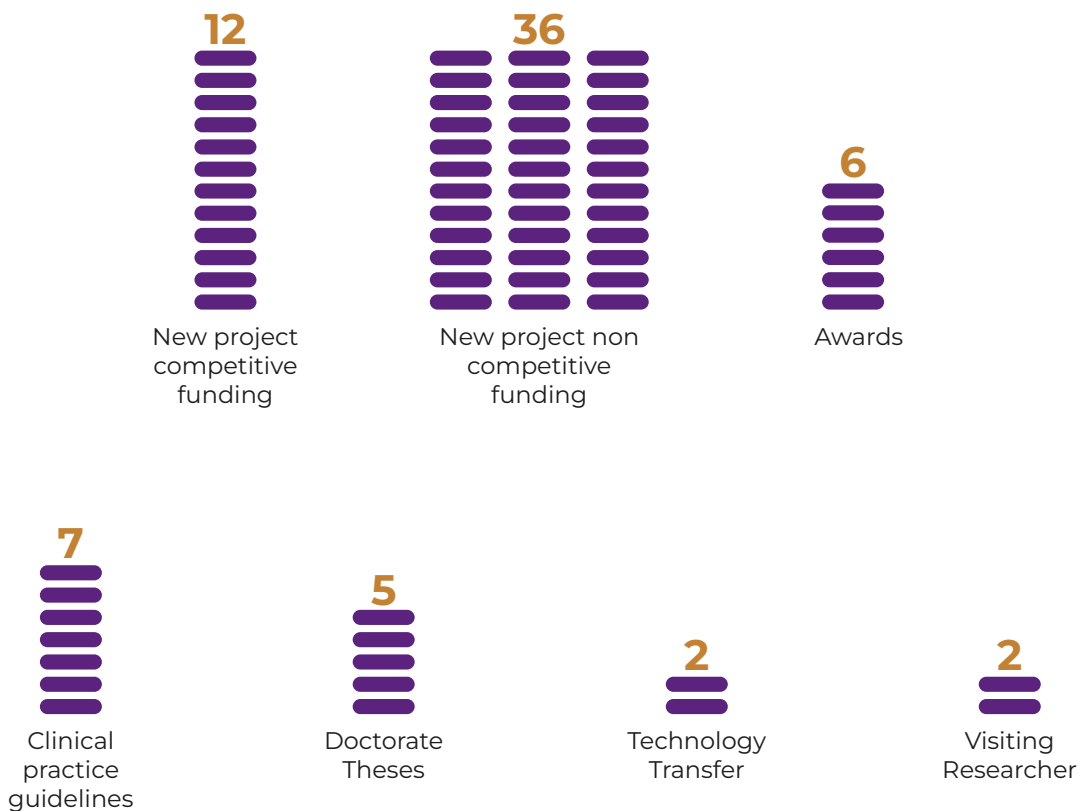


Completed

## Accumulated Total professionals in the area



## Activity



## Scientific production

Nº of papers  
 (WoS)

**195**

% OA

**56.92**

Nº of citable  
 items

**131**

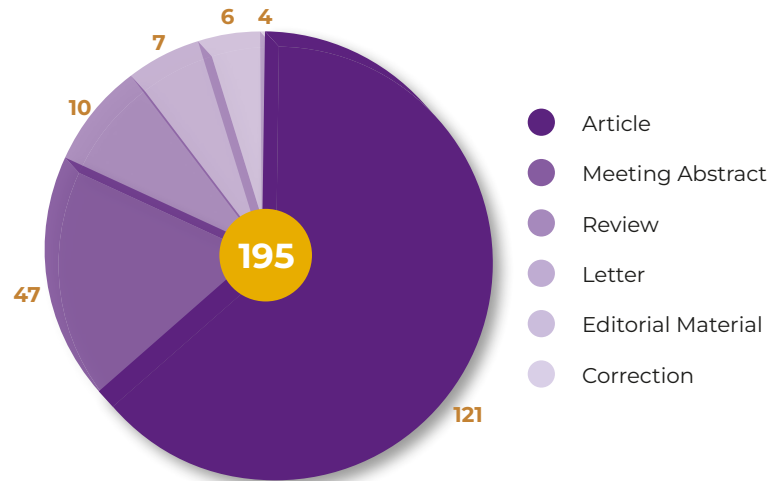
% IQ  
 (Citable items)

**44.27**

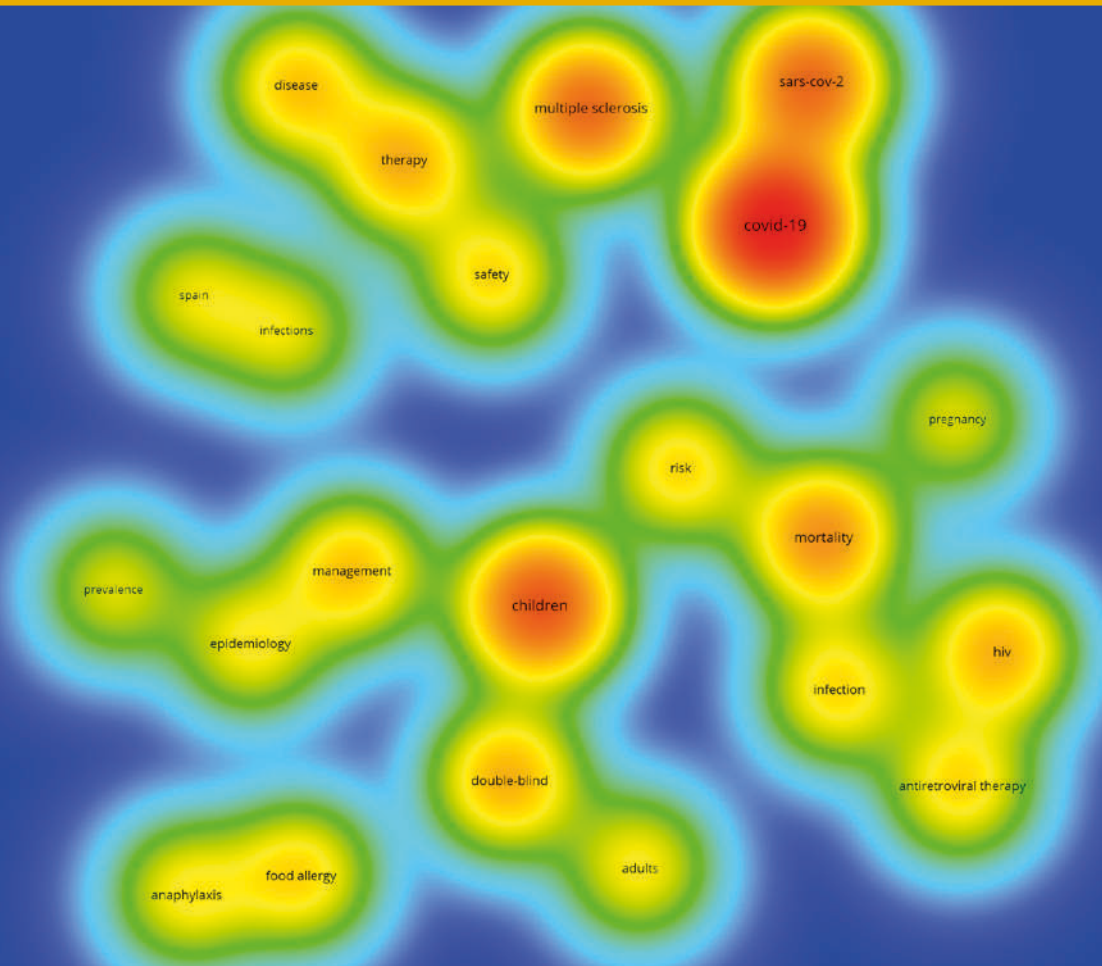
% ID  
 (Citable items)

**10.68**

### Document type



### Keywords (> 5 frequency)





## Top 5 journals with the highest publication rate

During 2022, the Inflammation, Infection, Immunity and Allergy area's researchers have published in a total of 119 different journals. The top 5 journals where they publish the most are shown below. It represents the 25.64% of the scientific production of this area. All of these journals are in the first quartile of the JCR 2022 for their thematic category. Two journals are in the Top 5 in their WoS category.

JOURNAL	Nº OF PAPERS (WoS)	QUARTIL 2022	WoS CATEGORY	ARTICLE INFLUENCE SCORE 2022	JOURNAL CITATION INDICATOR 2022	IF (WITHOUT SELF-CITATIONS) 2022
MULTIPLE SCLEROSIS JOURNAL	18	Q1 (31/212)	CLINICAL NEUROLOGY	1.509	1.30	5.4
ANNALS OF THE RHEUMATIC DISEASES	9	Q1 (2/34)	RHEUMATOLOGY	6.158	4.91	24.7
EUROPEAN JOURNAL OF NEUROLOGY	8	Q1 (43/212)	CLINICAL NEUROLOGY	1.540	1.26	5
Allergy	7	Q1 (2/28)	ALLERGY	2.574	1.90	11.2
EUROPEAN JOURNAL OF NEUROLOGY	8	Q1 (43/212)	CLINICAL NEUROLOGY	1.540	1.26	5

## Selected 5 publications

**1.** FERNÁNDEZ RIVAS, MARÍA MONTSERRAT, Vereda, Andrea, Vickery, Brian P., Sharma, Vibha, Nilsson, Caroline, Muraro, Antonella, Hourihane, Jonathan O'b, DunnGalvin, Audrey, Toit, George, Blumchen, Katharina, Beyer, Kirsten, Smith, Alex, Ryan, Robert, Adelman, Daniel C., Jones, Stacie M.. Open-label follow-on study evaluating the efficacy, safety, and quality of life with extended daily oral immunotherapy in children with peanut allergy. *Allergy*. 2022; 77 (3): 991-1003. DOI: 10.1111/all.15027. FI: 14,71. (D1).

**2.** MARTÍNEZ FERNÁNDEZ DE SEVILLA, LIDIA, VALENCIA MAHON, JARIS, Ortiz-Sánchez, Paula, Fraile-Ramos, Alberto, Zuluaga, Pilar, JIMÉNEZ PÉREZ, EVA, SACEDON AYUSO, ROSA MARÍA, Martínez-Sánchez, María V., Jazbec, Janez, Debeljak, Marusa, Fedders, Birthe, Stanulla, Martin, Schewe, Denis, Cario, Gunnar, Minguela, Alfredo, Ramrez, Manuel, VARAS FAJARDO, ALBERTO, VICENTE LÓPEZ, ÁNGELES. High BMP4 expression in low/intermediate risk BCP-ALL identifies children with poor outcomes. *Blood*. 2022; 139 (22): 3303-3313. DOI: 10.1182/blood.2021013506. FI: 25,476. (D1).

**3.** García-Salguero, Cristina, CULEBRAS LÓPEZ, ESTHER, MERINO AMADOR, PALOMA, BAOS MUÑOZ, ELVIRA, DELGADO-IRIBARREN GARCÍA-CAMPERO, ALBERTO. Usefulness of SARS-CoV-2 antigen test sample as input for SARS-CoV-2 RT-PCR analysis. *JOURNAL OF MEDICAL VIROLOGY*. 2022; 94 (4): 1693-1695. DOI: 10.1002/jmv.27459. FI: 20,693. (D1).

**4.** ORVIZ GARCÍA, EVA, Negredo, Anabel, AYERDI AGUIRREBENGOA, OSKAR, Vazquez, Ana, Munoz-Gomez, Ana, Monzon, Sara, CLAVO ESCRIBANO, PETUNIA, Zaballos, Angel, VERA GARCÍA, Mª DEL MAR, Sanchez, Patricia, CABELLO CLOTET, NOEMI, Jimenez, Pilar, Perez-Garcia, Jorge A., Varona, Sarai, DEL ROMERO GUERRERO, JORGE, Cuesta, Isabel, DELGADO-IRIBARREN GARCIA-CAMPERO, ALBERTO, TORRES MOLINA, MAGDALENA, SAGASTAGOITIA FORNIE, ÍÑIGO, Palacios, Gustavo, ESTRADA PÉREZ, VICENTE, Sanchez-Seco, Maria Paz, Grp Viruela Simio Madrid CNM . Monkeypox outbreak in Madrid (Spain): Clinical and virological aspects. *JOURNAL OF INFECTION*. 2022; 85 (4): 412-417. DOI: 10.1016/j.jinf.2022.07.005. FI: 38,637. (D1).

**5.** BERZOSA SÁNCHEZ, ARANTXA, de Ángeles Fernández, Cristina, CALLEJAS CABALLERO, IGNACIO, RAMOS GARCÍA, Mª ISABEL, Vecino Lopez, Raquel, Bodas Pinedo, Andres, RAMOS AMADOR, JOSE TOMAS. Acute Hepatitis in an Adolescent Without Travel History. *PEDIATRIC INFECTIOUS DISEASE JOURNAL*. 2022; 41 (3): 272-273. DOI: 10.1097/INF.0000000000003183. FI: 3,806. (Q1).

## Scientific production (2018 - 2022)

Nº of papers  
(WoS)

**1,006**

Nº of citable  
items

**696**

% of papers  
OA

**54**

Times  
Cited

**11,694**

Citing  
Articles

**9,778**

Average per  
item ( total  
papers WoS)

**11.62**

Average per  
year (Total  
papers WoS)

**1949.00**

% Self-citations  
(Total papers  
WoS)

**3.23**

h index

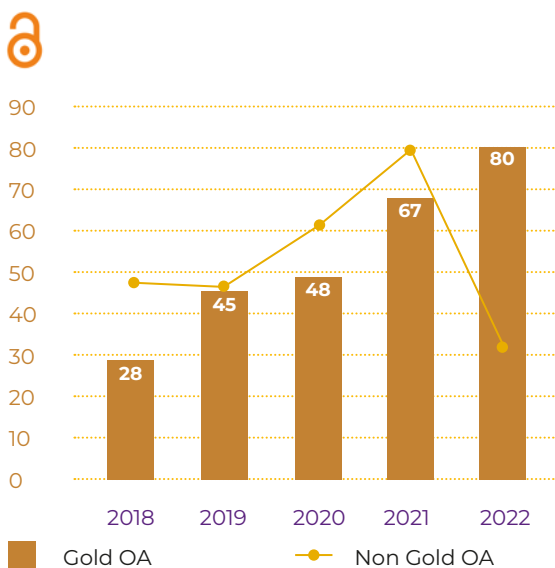
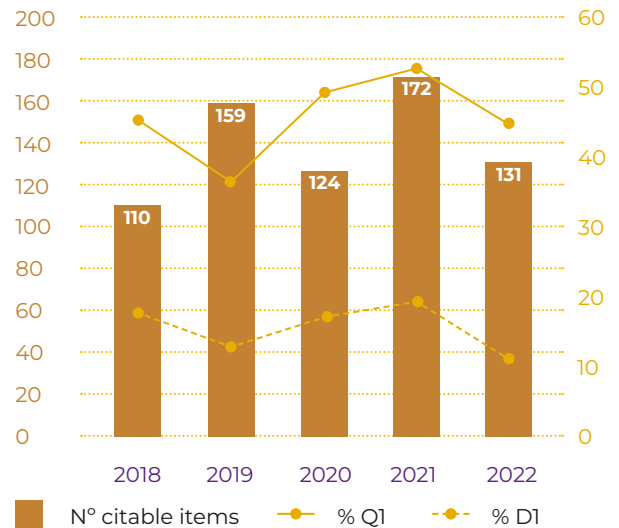
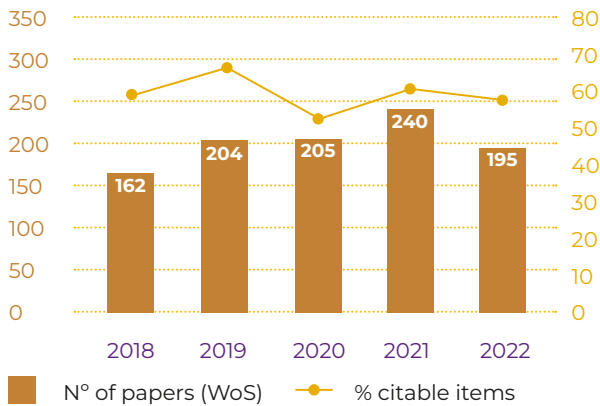
**47**

% Q1 (Total  
citable items)

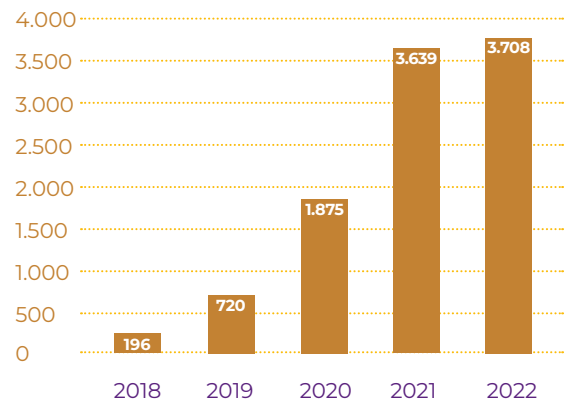
**45.25**

% D1 (Total  
citable items)

**15.51**



### Times cited by year

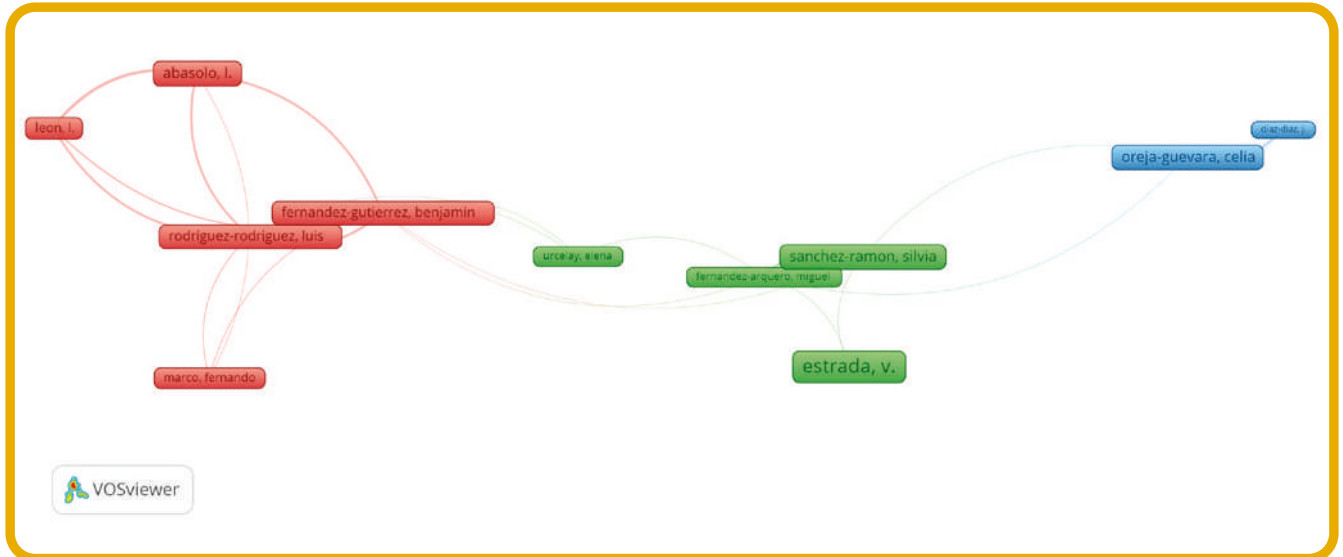


\* WoS download 17.07.2023

## Top 5 journals with the highest publication rate

TITLE	JOURNAL	TIMES CITED	YEAR	QUARTIL	WOS CATEGORY	ARTICLE INFLUENCE SCORE	OA TYPE
Prevalence of SARS-CoV-2 in Spain (ENE-COVID): a nationwide, population-based seroepidemiological study	LANCET	1083	2020	Q1 (2/167)	MEDICINE, GENERAL & INTERNAL	29.073	Non Gold OA
Risk of HIV transmission through condomless sex in serodifferent gay couples with the HIV-positive partner taking suppressive antiretroviral therapy (PARTNER): final results of a multicentre, prospective, observational study	LANCET	464	2019	Q1 (2/165)	MEDICINE, GENERAL & INTERNAL	23.329	Non Gold OA
EAACI Guidelines on Allergen Immunotherapy: Allergic rhinoconjunctivitis	ALLERGY	367	2018	Q1 (4/27)	ALLERGY	1.884	Non Gold OA
AR101 Oral Immunotherapy for Peanut Allergy	NEW ENGLAND JOURNAL OF MEDICINE	354	2018	Q1 (1/160)	MEDICINE, GENERAL & INTERNAL	30.627	Non Gold OA
Efficacy and safety of baricitinib for the treatment of hospitalised adults with COVID-19 (COV-BARRIER): a randomised, double-blind, parallel-group, placebo- controlled phase 3 trial	LANCET RESPIRATORY MEDICINE	332	2021	Q1 (1/66)	RESPIRATORY SYSTEM	21.346	Non Gold OA

## Most cited authors ( > 25 papers)



## IIIA.1

### Allergy



#### Leading researcher

María Montserrat Fernández Rivas

#### Members

Alejandro Gonzalo Fernández

Almudena Delgado González

Inmaculada Cerecedo Carballo

Leticia Sanchez Morillas

María Luisa González Gutiérrez

María Mar San Julián Esteban

María Mercedes Cimarra Álvarez-Lowell

Natalia Patricia Freundt Serpa

Rosialzira Natasha Vera Berrios

Sonia Vázquez Cortés

Teresa Robledo Echarren

#### Scientific production

N° of papers (WoS)	<b>12</b>
% Open Access (N°)	<b>83%</b> (10)
% Citable Items (N°)	<b>83%</b> (10)
N° of papers JCR indexed	<b>12</b>
Q1 (citable items)	<b>60%</b> (7)
D1 (citable items)	<b>60%</b> (6)
Cumulative IF	<b>111,236</b>
Average IF	<b>11,123</b>



#### Overview

The Allergy group is composed of researchers from different professional fields, being Dr. Montserrat Fernández Rivas the principal investigator. Food allergy is the main research line in which different aspects have been addressed in projects funded by national agencies (OVALE, CoALE, SOLMILK, Profilin-mucosal role, funded by ISCIII and the Ministry of Economy), the European Community (EuroPrevall, FAST, iFAAM), and the pharmaceutical industry.

Epidemiological studies have been performed in the general population, together with cross-sectional studies in outpatients, and longitudinal studies in two cohorts of milk and egg-allergic children. Diagnostic aspects have been addressed with the standardization of double-blind placebo controlled oral challenges, as well as the diagnostic evaluation of skin tests, and serum IgE tests with whole extracts and components. The safety and efficacy of oral immunotherapy with milk, egg and peanut is being investigated. In addition, factors associated with the severity of food allergies in profilin sensitized patients, in subjects with lipid transfer protein allergy, and the role of proton-pump inhibitors and cofactors are being investigated. A severity score has been developed for its application in clinical practice, and in epidemiological and interventional studies. Finally, food safety aspects are addressed through the establishment and validation of thresholds to milk, egg, hazelnut and walnut.

The Allergy Group closely works with other HSCS groups (Epidemiology Unit, Clinical Pharmacology), and with Spanish and European clinical and basic groups for the development of these activities.

## IIIA.1

### Selected publications

FERNÁNDEZ RIVAS, MARÍA MONTSERRAT, GAITERO GARCIA, ISABEL, GONZALO FERNÁNDEZ, ALEJANDRO, Fuentes Ferrer, Manuel, Dolle-Bierke, Sabine, MARCO MARTÍN, GUADALUPE, Ballmer-Weber, Barbara K., Asero, Riccardo, Belohlavkova, Simona, Beyer, Kirsten, de Blay, Frederic, Clausen, Michael, Datema, Mareen R., Dubakiene, Ruta, Grimshaw, Kate E. C., Hoffmann-Sommergruber, Karin, Hourihane, Jonathan O'B, Jedrzejczak-Czechowicz, Monika, Knulst, Andre C., Kralimarkova, Tanya, Le, Thuy-My, Papadopoulos, Nikolaos G., Popov, Todor A., Poulsen, Lars K., Purohit, Ashok, Seneviratne, Suranjith L., Simpson, Angela, Sinaniotis, Atanasios, Turkalji, Mirjana, VÁZQUEZ CORTÉS, SONIA, VERA BERRIOS, ROSIALZIRA NATASHA, Muraro, Antonella, Worm, Margitta, Roberts, Graham, van Ree, Ronald, FERNÁNDEZ PÉREZ, CRISTINA, Turner, Paul J., Mills, Elizabeth N. Clare. Development and validation of the Food Allergy Severity Score. *Allergy*. 2022; 77 (5): 1545-1558. DOI: 10.1111/all.15165. FI: 14,71. (D1).

FERNÁNDEZ RIVAS, MARÍA MONTSERRAT, Vereda, Andrea, Vickery, Brian P., Sharma, Vibha, Nilsson, Caroline, Muraro, Antonella, Hourihane, Jonathan O'b, DunnGalvin, Audrey, Toit, George, Blumchen, Katharina, Beyer, Kirsten, Smith, Alex, Ryan, Robert, Adelman, Daniel C., Jones, Stacie M. Open-label follow-on study evaluating the efficacy, safety, and quality of life with extended daily oral immunotherapy in children with peanut allergy. *Allergy*. 2022; 77 (3): 991-1003. DOI: 10.1111/all.15027. FI: 14,71. (D1).

Muraro, Antonella, Worm, Margitta, Alviani, Cherry, Cardona, Victoria, DunnGalvin, Audrey, Garvey, Lene Heise, Riggioni, Carmen, de Silva, Debra, Angier, Elizabeth, Arasi, Stefania, Bellou, Abdelouahab, Beyer, Kirsten, Bijlhout, Diola, Bilo, Maria Beatrice, Bindslev-Jensen, Carsten, Brockow, Knut, FERNÁNDEZ RIVAS, MARÍA MONTSERRAT, Halken, Susanne, Jensen, Britt, Khaleva, Ekaterina, Michaelis, Louise J., Oude Elberink, Hanneke N. G., Regent, Lynne, SÁNCHEZ MUÑOZ, ARÁNZAZU, Vlieg-Boerstra, Berber J., Roberts, Graham, European Acad Allergy Clinical Imm. EAACI guideline: Anaphylaxis (2021 update). *Allergy*. 2022; 77 (2): 357-377. DOI: 10.1111/all.15032. FI: 14,71. (D1).

### Awards

Researcher aware: Natalia Patricia Freundt Serpa. Winning work: Gravedad de la alergia a fármacos: primeros resultados del proyecto BIOGRAL. Autores: NP Freundt Serpa, A Gonzalo Fernández, RM Barranco Jiménez, B Nuñez Alcevedo, MD Alonso Díaz de Durana, M. Fernández Rivas. Award: PREMIOS COMUNICACIONES EN CONGRESO Sociedad Española de Alergología e Inmunología Clínica (SEAIC) 2022: MEJORES COMUNICACIONES ORALES.

### Clinical practice guidelines

Jutel, Marek, Torres, Maria J., Palomares, Oscar, Akdis, Cezmi A., Eiwegger, Thomas, Untersmayr, Eva, Barber, Domingo, Zemelka-Wiacek, Magdalena, Kosowska, Anna, Palmer, Elizabeth, Vieths, Stefan, Mahler, Vera, Canonica, Walter G., Nadeau, Kari, Shamji, Mohamed H., Agache, Ioana, Akdis, Mubacel, Khaitov, Musa, Alvarez-Perea, Alberto, Alvaro-Lozano, Montserrat, Atanaskovic-Markovic, Marina, Backer, Vibeke, Barbaud, Annick, Bavbek, Sevim, de Blay, Frederic, Bonini, Matteo, Bonini, Sergio, van Boven, Job F. M., Brockow, Knut, Cazzola, Mario, Chatzipetrou, Alexia, Chivato, Tomas, Cianferoni,

Antonella, Corren, Jonathan, Cristoph-Caubet, Jean, DunnGalvin, Audrey, Ebisawa, Motohiro, Firinu, Davide, Gawlik, Radoslaw, Gelincik, Asli, del Giacco, Stefano, Mortz, Charlotte C., Hoffmann, Hans Jurgen, Hoffmann-Sommergruber, Karin, Klimek, Ludger, Knol, Edward, Lauerma, Antti, de Llano, Luis Perez, Matucci, Andrea, Meyer, Rosan, Moreira, Andre, Morita, Hideaki, Patil, Sarita U., Pfaar, Oliver, Popescu, Florin-Dan, del Pozo, Victoria, Price, Oliver J., van Ree, Ronald, FERNÁNDEZ RIVAS, MARÍA MONTSERRAT, Rogala, Barbara, Romano, Antonino, SANTOS CACERES, ANDREA, Sediva, Ana, Skypala, Isabel, Smolinska, Sylwia, Sokolowska, Milena, Sturm, Gunter, Vultaggio, Alessandra, Walusiak-Skorupa, Jolanta, Worm, Margitta. COVID-19 vaccination in patients receiving allergen immunotherapy (AIT) or biologicals-EAACI recommendations. *Allergy*. 2022. 77(8): 4525-2336. 10.1111/all.15252.

Muraro, Antonella; Worm, Margitta; Alviani, Cherry; Cardona, Victoria; DunnGalvin, Audrey; Garvey, Lene Heise; Riggioni, Carmen; de Silva, Debra; Angier, Elizabeth; Arasi, Stefania; Bellou, Abdelouahab; Beyer, Kirsten; Bijlhout, Diola; Bilo, Maria Beatrice; Bindslev-Jensen, Carsten; Brockow, Knut; Fernandez-Rivas, Montserrat; Halken, Susanne; Jensen, Britt; Khaleva, Ekaterina; Michaelis, Louise J.; Oude Elberink, Hanneke N. G.; Regent, Lynne; Sanchez, Angel; Vlieg-Boerstra, Berber J.; Roberts, Graham. EAACI guideline: Anaphylaxis (2021 update). EAACI, European Academy Allergy Clinical Immunology. 2022. Editorial: Wiley. ISBN: 10.1111/all.15032.

### New competitive funding

CM21/00080. Contrato Rio Hortega: Natalia Freundt. PI: FERNÁNDEZ RIVAS, MARÍA MONTSERRAT. Funding organisation: INSTITUTO DE SALUD CARLOS III.

### New non competitive funding

ECL.21/551. ESTUDIO MULTICÉNTRICO, ALEATORIZADO, DOBLE CIEGO, CONTROLADO CON PLACEBO DE 52 SEMANAS DE DURACIÓN PARA EVALUAR LA EFICACIA CLÍNICA Y LA SEGURIDAD DE LIGELIZUMAB (QGE031) EN LA DISMINUCIÓN DE LA SENSIBILIDAD A LOS CACAHUETES EN PACIENTES CON ALERGIA AL CA. PI: FERNÁNDEZ RIVAS, MARÍA MONTSERRAT.

ECL.22/159. ENSAYO CLÍNICO FASE III MULTICÉNTRICO, DOBLE CIEGO, ALEATORIZADO Y CONTROLADO CON PLACEBO, EN GRUPOS PARALELOS, QUE EVALÚA LA EFICACIA CLÍNICA Y SEGURIDAD DE LA INMUNOTERAPIA CON EL ALÉRGENO MAYOR PURIFICADO CUP A 1, EN PACIENTES CON RINOCONJUNTIVITIS ALÉ. PI: FERNÁNDEZ RIVAS, MARÍA MONTSERRAT.

### Technology transfer

European Patent: Método para el pronóstico de la eficacia de la inmunoterapia oral para el tratamiento de la alergia a las proteínas de leche de vaca: Inventor: Monserrat Fernandez Rivas; Mónica Rodríguez Alvarez.

### Visiting researcher

Visiting researcher: Silvia Paulina Ruiz Lopez. Country of origin: Mexico. Center: Centro Medico Nacional Siglo XXI, Instituto Mexicano de Seguro Social, Ciudad de Mexico.

Visiting researcher: Nancy Valeria López Moreno. Country of origin: Mexico. Center: Centro Medico Nacional Siglo XXI, Instituto Mexicano de Seguro Social, Ciudad de Mexico.



## IIIA.2

### Genetics and molecular bases of complex diseases



#### Leading researchers

Elena Urcelay García

María Concepción Núñez Pardo de Vera

#### Members

Adela González Jiménez

Andrea Raposo López-Pastor

Celia Oreja Guevara

Clara González Gallego

Elda María Alba Suárez

Irene Gómez Estévez

Irene Isabel Gómez Delgado

Johnny Adrián Quezada Sánchez

Judit Díaz Díaz

Laura Espino Paisán

Lorena García Vasco

María Corzo Martínez

Mercedes Rubio Martínez

Pilar López-Cotarelo García De Diego

Roberto Ruiz Cano

Sara Cabanillas Sanz

Sara Gómez Aguililla

#### Scientific production

N° of papers (WoS)	<b>46</b>
% Open Access (N°)	<b>46%</b> (21)
% Citable Items (N°)	<b>46%</b> (21)
N° of papers JCR indexed	<b>46</b>
Q1 (citable items)	<b>67%</b> (14)
Cumulative IF	<b>119,075</b>
Average IF	<b>5,67</b>

redEspañolade  
esclerosis múltiple

Rei Red de  
Enfermedades  
Inflamatorias  
RICORS (RD21/0002)

#### Overview

Immune mediated diseases present etiologies not fully described. Our research group deepens on the pathogenesis of complex conditions such as celiac disease or multiple sclerosis. The adequate diagnosis and treatment of these immune-mediated diseases are hampered by their great clinical heterogeneity. Nowadays it is accepted that their onset is triggered by diverse environmental factors operating in genetically susceptible individuals. Our group has contributed to the identification of the genetic profiles beneath these conditions, and it is now involved in the ascertainment of the impaired functions derived from these altered genetic architectures. Moreover, a better knowledge of the cause driving a disease would lead to define personalized therapies. In this sense, a specific interest of the group raises from diverse perspectives related with patients opinions and treatments: experimental therapies, adverse effects, vaccines...

The research group maintains both, internal and external collaborations, and benefits from the multidisciplinary nature of its members.

## IIIA.2

### Selected publications

GONZÁLEZ JIMÉNEZ, ADELA, LÓPEZ-COTARELO GARCÍA DE DIEGO, PILAR, AGUDO JIMENEZ, TERESA, CASANOVA PEÑO, LUIS IGNACIO, Lopez de Silanes, Carlos, Martin-Quero, Angeles, Matesanz, Fuencisla, URCELAY GARCÍA, ELENA, ESPINO PAISÁN, LAURA. Impact of Multiple Sclerosis Risk Polymorphism rs7665090 on MANBA Activity, Lysosomal Endocytosis, and Lymphocyte Activation. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. 2022; 23 (15). DOI: 10.3390/ijms23158116. FI: 6,208. (Q1).

de Rojas, Isabel, Martin-Montero, Cesar, Fedetz, Maria, GONZÁLEZ JIMÉNEZ, ADELA, Matesanz, Fuencisla, URCELAY GARCÍA, ELENA, ESPINO PAISÁN, LAURA. Polymorphisms in ARNTL/BMAL1 and CLOCK Are Not Associated with Multiple Sclerosis in Spanish Population. BIOLOGY-BASEL. 2022; 11 (10). DOI: 10.3390/biology11101417. FI: 5,168. (Q1).

Van Wijmeersch, Bart, Hartung, Hans-Peter, Vermersch, Patrick, Pugliatti, Maura, Pozzilli, Carlo, Grigoriadis, Nikolaos, Alkhawajah, Mona, Airas, Laura, Linker, Ralf, OREJA GUEVARA, CELIA. Using personalized prognosis in the treatment of relapsing multiple sclerosis: A practical guide. FRONTIERS IN IMMUNOLOGY. 2022; 13. DOI: 10.3389/fimmu.2022.991291. FI: 8,786. (Q1).

### Awards

Researcher aware: Concepción Núñez Pardo de Vera (co-IP). Winning work: Estudio de las causas y consecuencias de la persistencia de atrofia vellositaria a pesar de dieta sin gluten intencionalmente estricta en pacientes con enfermedad celíaca. Award: Beca Vicente Varea (Premio de la Asociación Celíaca de Catalunya).

Researcher aware: Mercedes Rubio (colaboradora). Winning work: Estudio de las causas y consecuencias de la persistencia de atrofia vellositaria a pesar de dieta sin gluten intencionalmente estricta en pacientes con enfermedad celíaca (Estudio CADER 2). Award: XIX Premio de investigación sobre patologías por sensibilidad gluten/trigo (Asociación de Celíacos de Madrid).

### Clinical practice guidelines

Van Wijmeersch, Bart, Hartung, Hans-Peter, Vermersch, Patrick, Pugliatti, Maura, Pozzilli, Carlo, Grigoriadis, Nikolaos, Alkhawajah, Mona, Airas, Laura, Linker, Ralf, OREJA GUEVARA, CELIA. Using personalized prognosis in the treatment of relapsing multiple sclerosis: A practical guide. FRONTIERS IN IMMUNOLOGY. 2022. 13-684. 10.3389/fimmu.2022.991291.

Meca-Lallana JE, Fernández-Prada M, García Vázquez E, Moreno Guillén S, Otero Romero S, Rus Hidalgo M, Villar Guimerans LM, Eichau Madueño S, Fernández Fernández Ó, Izquierdo Ayuso G, Álvarez Cermeño JC, Arnal García C, Arroyo González R, Brieva Ruiz L, Calles Hernández C, García Merino A, González Plata M, Hernández Pérez MÁ, Moral Torres E, Olascoaga Urtaza J, Oliva-Nacarino P, Oreja-Guevara C, Ortiz Castillo R, Oterino A, Prieto González JM, Ramió-Torrentá L, Rodríguez-Antigüedad A, Saiz A, Tintoré M, Montalbán Gairín X. Consensus statement on the use of alemtuzumab in daily clinical practice in Spain. Sociedad Española de Neurología. 2022. Editorial: Elsevier España, S.L.U. ISBN: DOI: 10.1016/j.nrleng.2019.11.001.

Meca-Lallana JE, Casanova B, Rodríguez-Antigüedad A, Eichau S, Izquierdo G, Durán C, Río J, Hernández MÁ, Calles C, Prieto-González JM, Ara JR, Uría DF, Costa-Frossard L, García-

Merino A, Oreja-Guevara C. Consensus on early detection of disease progression in patients with multiple sclerosis. 2022. Editorial: Frontiers. ISBN: doi.org/10.3389/fneur.2022.931014.

### Doctorate theses

Doctoral candidate: Silvia Pérez Pérez. Thesis title: pHERV-W ENV: implicación en la etiopatogenia de la esclerosis múltiple y transactivación por EBV y HHV-6A/B. Director(s): Roberto Álvarez Lafuente. University: UCM.

### New competitive funding

PI21/00271. Enfoque multifactorial frente al diagnóstico del amplio espectro de la enfermedad celíaca. PI: NÚÑEZ PARDO DE VERA, MARÍA CONCEPCIÓN. Funding organisation: INSTITUTO DE SALUD CARLOS III.

CNP.FACE.22. Estudio prospectivo en enfermedad celíaca potencial: búsqueda de biomarcadores de evolución a atrofia vellositaria y respuesta a dieta sin gluten. PI: NÚÑEZ PARDO DE VERA, MARÍA CONCEPCIÓN. Funding organisation: FEDERACIÓN DE ASOCIACIONES DE CELÍACOS DE ESPAÑA (FACE).

CNP.ACSG.21. Caracterización de la enfermedad celíaca no HLA-DQ2.5. PI: NÚÑEZ PARDO DE VERA, MARÍA CONCEPCIÓN. Funding organisation: ASOCIACIÓN DE CELÍACOS Y SENSIBLES AL GLUTEN.

ICI21/00022. Eficacia y seguridad del Cromoglicato en como nuevo tratamiento sintomático en pacientes con Esclerosis Múltiple: ESTUDIO CAMINA. PI: OREJA GUEVARA, CELIA. Funding organisation: INSTITUTO DE SALUD CARLOS III.

IFEQ21/00014. TERCELO. PI: URCELAY GARCÍA, ELENA. Funding organisation: INSTITUTO DE SALUD CARLOS III

EUG.CAM.22. Proy. INMUNOVACTER. PI: URCELAY GARCÍA, ELENA. Funding organisation: Ayuda UAM-Fondos REACT-EU.

RD21/0002/0038. RICORS: Red de Enfermedades Inflamatorias REI. PI: URCELAY GARCÍA, ELENA. Funding organisation: INSTITUTO DE SALUD CARLOS III.

### New non competitive funding

ECL.21/277. Enfoque multifactorial frente al diagnóstico del amplio espectro de la enfermedad celíaca (Comprehensive approach facing the diagnostic challenge of the broad spectrum of celiac disease). PI: NÚÑEZ PARDO DE VERA, MARÍA CONCEPCIÓN.

ECL.22/107. ESTUDIO DE PROLONGACIÓN MULTICÉNTRICO, DE UN SOLO GRUPO, ABIERTO Y DE EXTENSIÓN PARA EVALUAR LA SEGURIDAD Y LA EFICACIA A LARGO PLAZO DE OCRELIZUMAB EN PACIENTES CON ESCLEROSIS MÚLTIPLE. PI: OREJA GUEVARA, CELIA.

ECL.22/474. OBSERVATIONAL RETROSPECTIVE STUDY TO ASSESS THE USE OF SIPONIMOD (MAYZENT) ON PATIENTS WITH SECONDARY PROGRESSIVE MULTIPLE SCLEROSIS IN CLINICAL PRACTICE IN SPAIN - RESYZE STUDY. ESTUDIO OBSERVACIONAL RETROSPECTIVO PARA EVALUAR EL USO DE SIPONIMOD (MAYZEN. PI: OREJA GUEVARA, CELIA.

ECL.21/774. CARACTERIZACIÓN DE LA ENFERMEDAD CELÍACA NO HLA-DQ2.5. PI: NÚÑEZ PARDO DE VERA, MARÍA CONCEPCIÓN.

ECL.22/001. ESTUDIO PROSPECTIVO DE PACIENTES CON ENFERMEDAD CELÍACA POTENCIAL. PI: NÚÑEZ PARDO DE VERA, MARÍA CONCEPCIÓN.

## IIIA.3

### Musculoskeletal Pathology



#### Leading researcher

Benjamín Fernández Gutiérrez

#### Members

Alfredo Madrid García  
 Ana Isabel Vázquez García de las Heras  
 Ana María Pérez Sáez  
 Ángeles López de Benito  
 Arkaitz Mucientes Ruíz  
 Beatriz García Tirado  
 Cristina de Jesús Lajas Petisco  
 Cristina Vadillo Font  
 Dalifer Dayanira Freites Nuñez  
 Esperanza Pato Cour  
 Fernando Marco Martínez  
 Gloria Candelas Rodríguez  
 Inés Pérez Sancristóbal  
 Irene Gonzalez Guede  
 Jose Ignacio Colomer Arce  
 Leticia León Mateos  
 Leticia López Pedraza  
 Lucía Segarra Gómez Luis Rodríguez Rodríguez  
 Lydia Abásolo Alcazar  
 María Asunción Nieto Barbero  
 María Dolores Olmos Gómez  
 María López Ramos  
 María Paula Álvarez Hernández  
 Maria Rodero Lopez  
 Pía Mercedes Lois Bermejo  
 Sonia García Gómez  
 Teresa Mulero López  
 Teresa Sofía Sánchez Pascua  
 Yaiza Lopiz Morales  
 Zulema Rosales Rosado

#### Scientific production

N° of papers (WoS)	36
% Open Access (N°)	53% (19)
% Citable Items (N°)	45% (13)
N° of papers JCR indexed	29
Q1 (citable items)	8% (1)
Cumulative IF	34,176
Average IF	2,629

#### Overview



The Unidad de Gestion Clínica de Reumatología (UGC-REU) in Hospital Clínico San Carlos and the Unidad de Gestion Clínica de Cirugía Ortopédica y Traumatología (UGC-COT) have an extensive experience particularly in the field of rheumatoid arthritis and also in osteoarthritis. They have been working with public and private funding and they have numerous publications in this field.

A working group of researchers from different specialties (cell biologists, molecular biologists, epidemiologists, psychologists, engineers, traumatologists and rheumatologists) have worked together in the last 15 years. This effort has resulted in the establishment of different parallel and embedded research lines.

#### Clinical-epidemiological research lines

- Burden of disease in EMEs
- Clinical Epidemiology and biomarkers in Rheumatoid Arthritis (RA)
- Clinical Epidemiology and biomarkers in Spondyloarthropathies (SPA)
- Clinical Epidemiology in Giant Cell Arteritis (GCA)
- Epidemiology and genetics of intraocular inflammation.
- Clinical epidemiology and biomarkers in Diffuse Interstitial Lung Disease (DIDP) associated with Autoimmune Rheumatologic Diseases (ARD)
- Clinical Epidemiology of COVID-19

#### Basic research lines

- Molecular basis of immune-mediated diseases
- Regenerative and immunomodulatory potential of Mesenchymal Stem Cells (MSCs)
- Genetics, Genomics and Proteomics

#### Innovation and Research in Information and Communication Technologies

- Machine Learning and Big data
- Development of different tools for assistance and research

## IIIA.3

### Selected publications

Romera Baures, Montserrat, Seoane-Mato, Daniel, Alegre-Sancho, Juan J., LEÓN MATEOS, LETICIA, Caracuel Ruiz, Miguel A., Calvo-Alen, Jaime, Stoye, Claudia, Fernandez, Benjamin, Nunez-Monje, Victoria, FREITES NUÑEZ, DALIFER DAYANIRA, Ortega Castro, Rafaela, Adaptacion-Qualisex Study Grp. Impact of rheumatoid arthritis on sexuality: adaptation and validation of the Qualisex questionnaire for use in Spain. *RHEUMATOLOGY INTERNATIONAL*. 2022; 42 (10): 1819-1829. DOI: 10.1007/s00296-021-05043-7. FI: 3,58. (Q3).

Freites Nunez, Dalifer , LEÓN MATEOS, LETICIA, Madrid García, Alfredo , Colomer Arce, Jose Ignacio , MUCIENTES RUÍZ, ARKAITZ, Gutierrez-Fernandez, Benjamin , Rodriguez, Luis , Perez San Cristobal, Ines , Alvarez, Paula , Martinez Prada, Cristina , ABÁSULO ALCAZAR, LYDIA. Mortality related to COVID-19 in patients with rheumatic and musculoskeletal diseases, first wave of the outbreak: a single-center study. *THERAPEUTIC ADVANCES IN MUSCULOSKELETAL DISEASE*. 2022; 14. DOI: 10.1177/1759720X221090296. FI: 3,625. (Q3).

Belen Rivas, Ana, LOPEZ PICADO, AMANDA, Calamia, Valentina, Carreno, Ester, Cocho, Lidia, Cordero-Coma, Miguel, Fonollosa, Alex, Francisco Hernandez, Felix M., Garcia-Aparicio, Angel, Garcia-Gonzalez, Javier, Juan Mondejar, Jose, Lojo-Oliveira, Leticia, Martinez-Costa, Lluci, Munoz, Santiago, Peiteado, Diana, Antonio Pinto, Jose, Rodriguez-Lozano, Beatriz, PATO COUR, ESPERANZA, DÍAZ VALLE, DAVID, Molina, Elena, Alberto Tebar, Luis, RODRÍGUEZ RODRÍGUEZ, LUIS, CoTHEIA Study Grp. Efficacy, safety and cost-effectiveness of methotrexate, adalimumab or their combination in non-infectious non-anterior uveitis: a protocol for a multicentre, randomised, parallel three arms, active-controlled, phase III open label with blinded outcome assessment study. *BMJ OPEN*. 2022; 12 (3). DOI: 10.1136/bmjopen-2021-051378. FI: 3,006. (Q2).

### Awards

Researcher aware: Alfredo Madrid García. Winning work: DESARROLLO DE UN SISTEMA DE AUTOEVALUACIÓN DE ACTIVIDAD INFLAMATORIA EN POLO POSTERIOR OCULAR. Award: Premio a la mejor comunicación oral XXVI Congreso SORCOM 2022.

### Clinical practice guidelines

Cano García, Laura, García de Yebenes, Maria Jesus, Mena Vazquez, Natalia, Martín Martín, Jose Ma, Dominguez Quesada, Carmen, García-Díaz, Silvia, Rodríguez Vargas, Ana Isabel, de la Torre-Aboki, Jenny, Jimenez Nunez, Francisco, Espildora Hernandez, Francisco, LEÓN MATEOS, LETICIA, Vazquez Lojo, Ana, Marcos Perez, Elena, Castiblanco, Laura, Carmona, Loreto. Openreuma Consensus on the role of nursing in the care of patients with rheumatoid arthritis and diffuse interstitial lung disease. *Investigacion y Educacion en Enfermeria*. 2022. 40(3): 1418. 10.17533/udea.iee.v41n1e17.

### Doctorate theses

Doctoral candidate: Alfredo Madrid García. Thesis title: Data-driven approaches in rheumatology: learning from real-world data. Director(s): Ernestina Menasalvas. University: UPM.

### New competitive funding

PI21/00781. Evaluación de aproximaciones terapéuticas para artrosis de rodilla mediante modelos in vitro 'tissue in a chip' e in vivo. PI: FERNÁNDEZ GUTIÉRREZ, BENJAMÍN. Funding organisation: INSTITUTO DE SALUD CARLOS III.

PI21/00858. Regeneración del Cartílago articular mediante terapia celular basada en hidrogeles termosensibles. PI: LOPIZ MORALES, YAIZA; MARCO MARTÍNEZFERNANDO. Funding organisation: INSTITUTO DE SALUD CARLOS III.

RD21/0002/0001. Red de Enfermedades Inflamatorias (COORDINACIÓN). PI: RODRÍGUEZ RODRÍGUEZ, LUIS. Funding organisation: INSTITUTO DE SALUD CARLOS III.

### New non competitive funding

ECL.20/686. ESTUDIO DE FASE III, ALEATORIZADO, DOBLE CIEGO, CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE PRM-151 EN PACIENTES CON FIBROSIS PULMONAR IDIOPÁTICA. PI: NIETO BARBERO, MARÍA ASUNCIÓN.

ECL.20/687. ESTUDIO DE EXTENSIÓN EN ABIERTO DE FASE III PARA EVALUAR LA EFICACIA Y LA SEGURIDAD A LARGO PLAZO DE PRM-151 EN PACIENTES CON FIBROSIS PULMONAR IDIOPÁTICA (FPI). PI: NIETO BARBERO, MARÍA ASUNCIÓN.

ECL.21/133. Evaluación de aproximaciones terapéuticas para artrosis de rodilla mediante modelos in vitro 'tissue in a chip' e in vivo. PI: MUCIENTES RUÍZ, ARKAITZ.

ECL.21/407. ESTUDIO FASE 2, RANDOMIZADO, DOBLE CIEGO, CONTROLADO CON PLACEBO Y DE RANGO DE DOSIS PARA EVALUAR LA SEGURIDAD Y EFICACIA DE ABBV-154 EN PACIENTES CON POLIMIALGIA REUMÁTICA (PMR) DEPENDIENTES DEL TRATAMIENTO CON GLUCOCORTICOIDES. A RANDOMIZED, DOUBLE-BLIN. PI: FERNÁNDEZ GUTIÉRREZ, BENJAMÍN.

ECL.21/603. ENSAYO CLÍNICO ALEATORIZADO, MULTICÉNTRICO, DOBLE CIEGO PARA EVALUAR LA EFICACIA Y SEGURIDAD DE MONTELUKAST EN PACIENTES CON ARTROSIS EROSIVA/INFLAMATORIA DE MANOS. PI: FERNÁNDEZ GUTIÉRREZ, BENJAMÍN.

ECL.22/428. ESTUDIO DE FASE 3, MULTINACIONAL, ALEATORIZADO, DOBLE CIEGO Y CONTROLADO CON PLACEBO DE LA EFICACIA Y LA SEGURIDAD DE TREPROSTINIL INHALADO EN SUJETOS CON FIBROSIS PULMONAR IDIOPÁTICA (TETON-2). A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, MULTINATION. PI: NIETO BARBERO, MARÍA ASUNCIÓN.



## IIIA.7

### Molecular and Epidemiological Study of Resistant Microorganisms of Clinical Interest



#### Leading researcher

Alberto Delgado-Iribarren García-Campero

#### Members

Ana Arribi Vilela

Elisa Pérez- Cecilia Carrera

Elvira Baos Muñoz

Esther Culebras López

Fernando González Romo

Icíar Rodríguez-Avial Infante

Laura López González

Maria José Valderrama Conde

Paloma Merino Amador

#### Scientific production

N° of papers (WoS)	<b>15</b>
% Open Access (N°)	<b>80%</b> (12)
% Citable Items (N°)	<b>100%</b> (14)
N° of papers JCR indexed	<b>14</b>
Q1 (citable items)	<b>57%</b> (8)
D1 (citable items)	<b>14%</b> (2)
Cumulative IF	<b>118,137</b>
Average IF	<b>8,438</b>

#### Overview

Multidisciplinary training group (physicians, pharmacists and biologists) focused on the study of infectious diseases from the interrelationship between microorganisms and human beings with special attention to the epidemiology, pathogenesis, diagnosis and therapeutic opportunities of those that present resistance to antimicrobials.

All the members of the research team have been working in this field for years, including the epidemiological monitoring of certain strains producing infection, the evolution of their susceptibility to certain antibiotics, the molecular mechanisms involved in cases of resistance and the treatment options for new molecules. In addition, he has accredited experience at the daily care level in the handling of pathogenic microorganisms and the usual techniques for their diagnosis and study.

## IIIA.7

### Selected publications

García-Salguero, Cristina, CULEBRAS LÓPEZ, ESTHER, MERINO AMADOR, PALOMA, BAOS MUÑOZ, ELVIRA, DELGADO-IRIBARREN GARCIA-CAMPERO, ALBERTO. Usefulness of SARS-CoV-2 antigen test sample as input for SARS-CoV-2 RT-PCR analysis. JOURNAL OF MEDICAL VIROLOGY. 2022; 94 (4): 1693-1695. DOI: 10.1002/jmv.27459. FI: 20,693. (D1).

BAOS MUÑOZ, ELVIRA, DELGADO-IRIBARREN GARCIA-CAMPERO, ALBERTO, OConnor, Silvia, Bardon, Ignacio, Alvarez, Mar, RODRÍGUEZ AVIAL, CARMEN, CULEBRAS LÓPEZ, ESTHER. Negative effect of the second dose of the BNT162b2 vaccine in a significant percentage of individuals with previous COVID infection. INTERNATIONAL JOURNAL OF INFECTIOUS DISEASES. 2022; 114. 85-87. DOI: 10.1016/j.ijid.2021.11.002. FI: 12,074. (Q1).

RÍOS DUEÑAS, ESTHER, Medrano, Sara , Martinez, Mercedes, Novella, Consuelo , Marcos, Esther , Fernandez, Jose J., DELGADO-IRIBARREN GARCIA-CAMPERO, ALBERTO, CULEBRAS LÓPEZ, ESTHER. Analysis of Adverse Effects of COVID-19 Vaccines in Spain following Booster Dose. Vaccines. 2022; 10 (9). DOI: 10.3390/vaccines10091397. FI: 4,961. (Q2).

### Doctorate theses

Doctoral candidate: CRISTINA GARCIA SALGUERO. Thesis title: ACINETOBACTER: EPIDEMIOLOGÍA RESISTENCIA Y OPCIONES DE TRATAMIENTO. Director(s): ESTHER CULEBRAS LÓPEZ. University: UCM.

### New non competitive funding

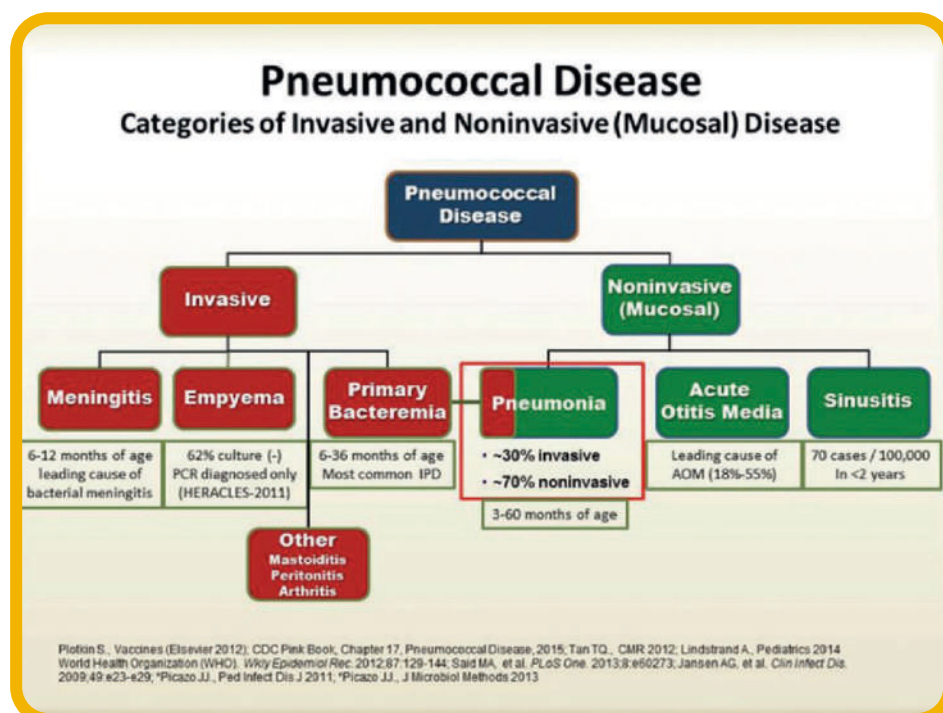
ECL.21/580. FOUR-YEAR EFFECTIVENESS OF COVID-19 VACCINES AGAINST SEVERE DISEASE AND ASYMPTOMATIC INFECTION: THE COVIDVAC@SPAIN STUDY. PI: GONZÁLEZ ROMO, FERNANDO.

ECL.22/318. EVALUACIÓN DE LA CONTRIBUCIÓN RELATIVA DE LOS DIFERENTES MECANISMOS DE RESISTENCIA A LA CARGA CLÍNICA Y ECONÓMICA GLOBAL ENTRE LOS PACIENTES ADULTOS CON INFECCIONES RESISTENTES A CARBAPENEM (ESPAÑA). PI: DELGADO-IRIBARREN GARCIA-CAMPERO, ALBERTO.

ECL.22/335. ESTUDIO DE FIABILIDAD DE LA TÉCNICA SCOVAM PARA LA DETECCIÓN DE AC FRENTE A SARS-CoV-2 EN EL ÁMBITO HOSPITALARIO. PI: MERINO AMADOR, PALOMA.

### Technology transfer

MÉTODO Y DISPOSITIVO PARA ANÁLISIS DE MATERIAL BIOLÓGICO, MÉTODO DE OBTENCIÓN Y USO DEL MISMO. Reference number: 201531139. Date of granting: 27/10/2017. Ownership: 50% FIBHSC 50% UNIVERSIDAD ALCALÁ.





## IIIA.8

### Kidney Diseases and Renal Function Replacement Therapy (Dialysis and Transplantation)



#### Leading researcher

Ana Isabel Sánchez Fructuoso

#### Members

Almudena Juez del Pozo  
 Antolina Rodríguez Moreno  
 Arianne Sofía Aiffil Meneses  
 Beatriz Rodríguez Cubillo  
 Clara García Carro  
 Eduardo Martínez Naves  
 Elena Ruiz Ferreras  
 Isabel Pérez Flores  
 Jesús Delgado Domínguez Palacios  
 José Antonio Herrero Calvo  
 Manuel Gómez Del Moral Martín Consuegra  
 María Ángeles Moreno de la Higuera Díaz  
 María Dolores Sánchez de la Nieta García  
 Marta Calvo Arévalo  
 Nancy Daniela Valencia Morales  
 Natividad Calvo Romero  
 Rosa María Aras López  
 Virginia López de la Manzanara Pérez

#### Scientific production

N° of papers (WoS)	<b>15</b>
% Open Access (N°)	<b>67%</b> (10)
% Citable Items (N°)	<b>80%</b> (12)
N° of papers JCR indexed	<b>15</b>
Q1 (citable items)	<b>50%</b> (6)
D1 (citable items)	<b>8%</b> (1)
Cumulative IF	<b>58,252</b>
Average IF	<b>4,854</b>

#### Overview

Kidney transplantation is currently the treatment of choice for chronic renal failure. The procedure is performed in the Kidney Transplant Unit (UTR) of the Hospital Clínico San Carlos (HCSC) and it requires rigorous monitoring of patients along the progress, as well as the control of the recipient's immune response to the transplanted organ, since the immunosuppressive treatment is necessary for the entire duration of the graft function. Since the beginning, UTR is characterized by its commitment to research, which is integral to the care activity performed in this unit.

The research activity mainly focuses in non heart beating donation and new therapeutic lines, participating in many national and international clinical trials, as well as in scientific collaborations with other hospital services (Immunology and Genomic Unit of Clinical Analysis). The main research lines developed by UTR include those related to asystole donation in which this unit has great experience, being one of the pioneers in such type of transplants. New immunosuppressive therapies are another major strategic areas where the UTR is involved, aiming to search a lower risk of graft rejection, improvement of long-term renal function and the receptor's morbidity.

Finally, the study of genetic markers and immunological parameters, as good predictors of the development of transplanted patients, is another area in which several lines of research are being pursued.

## IIIA.8

### Selected publications

RODRIGUEZ CUBILLO, BEATRIZ, Moreno de la Higuera, M. Angeles, PÉREZ FLORES, ISABEL, Calvo Romero, Natividad, Sofia Aiffil, Arianne, ARRIBI VILELA, ANA, Peix, Belen, Huertas, Sara, JUEZ DEL POZO, ALMUDENA, SÁNCHEZ FRUCTUOSO, ANA ISABEL. Clinical Effectiveness of SARS-CoV-2 Vaccination in Renal Transplant Recipients. Antibody Levels Impact in Pneumonia and Death. *Transplantation*. 2022; 106 (11): 476-487. DOI: 10.1097/TP.0000000000004261. FI: 5,385. (Q1).

Villanego, Florentino, Mazuecos, Auxiliadora, RODRÍGUEZ CUBILLO, BEATRIZ, Jose Merino, M., Poveda, Inmaculada, Saura, Isabel M., Segurado, Oscar, Cruzado, Leonidas, Eady, Myriam, Zarraga, Sofia, Jose Aladren, M., Cabello, Sheila, Lopez, Veronic. Treatment with sotrovimab for SARS-CoV-2 infection in a cohort of high-risk kidney transplant recipients. *CLINICAL KIDNEY JOURNAL*. 2022; 15 (10): 1847-1855. DOI: 10.1093/ckj/sfac177. FI: 5,86. (Q1).

DELGADO MARTÍN, JOSÉ ÁNGEL, Alonso-Riano, Marina, Berna-Rico, Emilio, Perez-Somarrriba, Juncal, Khmaladze, Khatuna, Cortes, Jose Antonio, SÁNCHEZ FRUCTUOSO, ANA ISABEL, Pascual, Alejandro. Severe Acute Kidney Injury Due to Intraglomerular Melanoma: A Case Report. *American Journal of Kidney Diseases*. 2022; 80 (1): 147-150. DOI: 10.1053/j.ajkd.2021.08.013. FI: 6,618. (D1).

### Awards

Researcher aware: Nancy Daniela Valencia Morales. Winning work: ¿Por qué esperar? Inhibidores del cotransportador de sodio/glucosa (SGLT2) en el trasplante renal. Award: Premio a la mejor comunicación oral en trasplante renal en la XVII Reunión de la Sociedad Madrileña de Nefrología, La Granja, Segovia, 18 de Junio de 2022.

### New non competitive funding

ECL.21/200. EFICACIA DE LA VACUNACION FRENTE A SARS-COV-2 EN UNA COHORTE DE TRASPLANTADOS RENALES. PI: SÁNCHEZ FRUCTUOSO, ANA ISABEL.

ECL.21/659. ESTUDIO OBSERVACIONAL LONGITUDINAL PARA DETERMINAR LA ASOCIACIÓN ENTRE LA RESPUESTA FARMACODINÁMICA DEL PACIENTE AL TRATAMIENTO INMUNOSUPRESOR MEDIDA IN VITRO CON INMUNOBIOGRAMA Y LA PRESENCIA DE SIGNOS DE RECHAZO INMUNOLÓGICO EN BIOPSIAS DEL INJERTO EN P. PI: MORENO DE LA HIGUERA DIAZ, MARIA ANGELES.

ECL.21/674. PREVALENCIA DE FRAGILIDAD EN PACIENTES CON ENFERMEDAD RENAL CRÓNICA EN LISTA DE ESPERA DE TRASPLANTE RENAL EN ESPAÑA: UN ESTUDIO MULTICÉNTRICO (Estudio FRAILIST). PI: CALVO AREVALO, MARTA.

ECL.21/780. ENSAYO PARA EVALUAR LA SEGURIDAD Y LA EFICACIA DE CLAZAKIZUMAB PARA EL TRATAMIENTO DEL RECHAZO CRÓNICO ACTIVO MEDIADO POR ANTICUERPOS EN RECEPTORES DE TRASPLANTE DE RIÑÓN. PI: SÁNCHEZ FRUCTUOSO, ANA ISABEL.

ECL.22/108. ESTUDIO MULTICÉNTRICO, DOBLE CIEGO, ALEATORIZADO Y CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE NEMOLIZUMAB EN SUJETOS CON ENFERMEDAD RENAL CRÓNICA CON PRURITO INTENSO ASOCIADO. PI: HERRERO CALVO, JOSÉ ANTONIO.

ECL.22/441. ESTUDIO MULTICÉNTRICO, ALEATORIZADO, DOBLE CIEGO, DE GRUPOS PARALELOS Y CONTROLADO CON PLACEBO PARA EVALUAR LA SEGURIDAD, LA TOLERABILIDAD, LA FARMACOCINÉTICA Y LA FARMACODINÁMICA DE BI 764198 ADMINISTRADO POR VÍA ORAL UNA VEZ AL DÍA DURANTE 12 SEMANAS EN. PI: GARCÍA CARRO, CLARA.

## IIIA.9

### Infectious Diseases/HIV



#### Leading researchers

Vicente Estrada Pérez

Jorge del Romero Guerrero

#### Members

Ana Muñoz Gómez

Begoña Baza Caraciolo

Dulce Carrio Montiel

Estefanía Elizabeth Hurtado Gallegos

Eva Orviz García

Íñigo Sagastagoitia Fornie

Isabel Zarza Alabanda

Javier Rodríguez Añover

Jorge Alfredo Perez Garcia

Jorge Vergas García

José Reynaldo Homen Fernández

Juan Ballesteros Martín

Lorena Pozo Pérez

M<sup>a</sup> Del Mar Vera García

María Ferreras Forcada

María Jose Nuñez Orantos

María Nieves Sanz Pérez

Mónica García Lotero

Nerexi Guadalupe Jilón Zambrano

Noemi Cabello Clotet

Oskar Ayerdi Aguirrebengoa

Petunia Clavo Escribano

Teresa Puerta López

Valeria Cabral Sousa

#### Scientific production

Nº of papers (WoS)	<b>28</b>
% Open Access (Nº)	<b>74%</b> (14)
% Citable Items (Nº)	<b>78%</b> (21)
Nº of papers JCR indexed	<b>27</b>
Q1 (citable items)	<b>19%</b> (9)
D1 (citable items)	<b>19%</b> (4)
Cumulative IF	<b>149,722</b>
Average IF	<b>7,129</b>

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#### Overview

The Infectious Diseases/HIV/STI group is composed of the Infectious Diseases/HIV unit and the Sandoval Health Centre. The merger of the two units expands and complements the strategic objectives and related lines of research in the field of sexually transmitted infections (STIs).

The Infectious Diseases/HIV group has a long tradition of care at the Hospital Clínico; in 1987 the Isolation Unit was created under the auspices of Internal Medicine 3, Microbiology and Preventive Medicine.

Throughout this time, the group has differentiated itself from Internal Medicine and has focused on the field of infectious pathology, in three lines: HIV infection, viral hepatitis, and other infectious diseases. These three aspects of infectious pathology are the ones that have meant the greatest dedication to the group's care. The HCSC's HIV unit is one of the five largest in Madrid in terms of the number of patients under follow-up.

The Sandoval Health Centre, inaugurated in 1928, is the STI reference centre in Spain attached to the Hospital Clínico San Carlos since January 2018. It handles more than 32,000 consultations per year and performs more than 6,000 STI diagnoses per year. It is easily accessible and has on-demand care. It has high-resolution consultations in the diagnosis and treatment of HIV/STD/HCV, with intense research activity, collaborating in numerous studies. Four HIV/STI clinical trials are ongoing: HIV prevention and pre-exposure prophylaxis, treatment of gonorrhoea and diagnosis and prevention of HSV-2. It maintains a strong interaction with PC, Public Hospital Network and NGOs. It is the reference centre for the dispensing of PrEP pre-exposure prophylaxis in the Community of Madrid. Member of the AIDS Research Network (CoRIS), contributing the largest number of patients to the cohort.

## IIIA.9

### Selected publications

ORVIZ GARCÍA, EVA, Negredo, Anabel, AYERDI AGUIRREBENGOA, OSKAR, Vazquez, Ana, Munoz-Gomez, Ana, Monzon, Sara, CLAVO ESCRIBANO, PETUNIA, Zaballo, Angel, VERA GARCÍA, M<sup>o</sup> DEL MAR, Sanchez, Patricia, CABELLO CLOTET, NOEMI, Jimenez, Pilar, Perez-Garcia, Jorge A., Varona, Sarai, DEL ROMERO GUERRERO, JORGE, Cuesta, Isabel, DELGADO-IRIBARREN GARCIA-CAMPERO, ALBERTO, TORRES MOLINA, MAGDALENA, SAGASTAGOITIA FORNIE, ÍÑIGO, Palacios, Gustavo, ESTRADA PÉREZ, VICENTE, Sanchez-Seco, Maria Paz, Grp Viruela Simio Madrid CNM. Monkeypox outbreak in Madrid (Spain): Clinical and virological aspects. JOURNAL OF INFECTION. 2022; 85 (4): 412-417. DOI: 10.1016/j.jinf.2022.07.005. FI: 38,637. (D1).

Espejo-Paeres, Carolina, Arroyo Espliguero, Ramon, Uribarri, Aitor, Anton-Huguet, Berta, Romero, Rodolfo, Fernandez-Rozas, Inmaculada, Manuel Becerra-Munoz, Victor, Alfonso-Rodriguez, Emilio, Huang, Jia, Elizabeth Ortega-Armas, Maria, Pepe, Martino, GONZÁLEZ FERNÁNDEZ, FERNANDO ATAÚLFO, Bertolazzi, Marzia, CERRATO MERA, CRISTINA, Quezada, Antonio, Raposeiras-Roubin, Sergio, VEDIA CRUZ, OSCAR ÁNGEL, Feltes-Guzman, Gisela, Akin, Ibrahim, Carrero-Fernandez, Ana, MACAYA MIGUEL, CARLOS, ESTRADA PÉREZ, VICENTE, NÚÑEZ GIL, IVÁN JAVIER, HOPE COVID-19 Investigators. Predictors of poor prognosis in healthy, young, individuals with SARS-CoV-2 infections. CLINICAL MICROBIOLOGY AND INFECTION. 2022; 28 (2): 273-278. DOI: 10.1016/j.cmi.2021.09.021. FI: 13,31. (D1).

ESTRADA PÉREZ, VICENTE, GONZÁLEZ DEL CASTILLO, JUAN MARÍA. Predicting COVID-19 progress with clinical scales. REVISTA CLINICA ESPAÑOLA. 2022; 222 (1): 42-43. DOI: 10.1016/j.rce.2021.08.001. FI: 3,064. (Q2).

### Doctorate theses

Doctoral candidate: Oskar Ayerdi Aguirrebengoa. Thesis title: Cambios epidemiológicos entre los nuevos diagnósticos de infección por el VIH. Impacto de la profilaxis pre-exposición. Director(s): Carmen Rodriguez Martín. University: Universidad Complutense.

### New non competitive funding

ECL.21/629. ACUTE/RECENT INFECTIONS AND REINFECTIONS BY HCV IN MEN HAVING SEX WITH MEN WITH AND WITHOUT HIV. ATHENS STUDY INFECCIONES RECIENTES, AGUDAS Y REINFECCIONES, POR VHC EN HOMBRES QUE TIENEN SEXO CON HOMBRES CON Y SIN INFECCIÓN POR VIH. (ESTUDIO ATHENS). PI: VERGAS GARCÍA, JORGE.

ECL.21/713. ESTUDIO ABIERTO DE AUMENTO GRADUAL DE LA DOSIS PARA EVALUAR LA SEGURIDAD, LA FARMACOCINÉTICA Y LA ACTIVIDAD ANTIVÍRICA DE IMC-M113V EN SUJETOS CON HLA-A\*02:01 POSITIVO CON UNA INFECCIÓN CRÓNICA POR EL VIRUS DE LA INMUNODEFICIENCIA HUMANA (VIH) CON SUPRESI. PI: ESTRADA PÉREZ, VICENTE.

ECL.22/084. ESTUDIO MUNDIAL AMBULATORIO SOBRE INFECCIONES RESPIRATORIAS AGUDAS. PI: ESTRADA PÉREZ, VICENTE.

ECL.22/155. ENSAYO CLÍNICO DOBLE-CIEGO, CONTROLADO CON PLACEBO, ALEATORIZADO, FASE IB, DE APTOLL PARA EL TRATAMIENTO DE COVID-19. PI: ESTRADA PÉREZ, VICENTE.

ECL.22/176. PREVALENCIA DE LA SOLEDAD/AISLAMIENTO SOCIAL EN PERSONAS INFECTADAS POR VIH MAYORES DE 50 AÑOS. ESTUDIO "NADIE SOLO". PI: CABELLO CLOTET, NOEMI.

ECL.22/188. ENSAYO CLÍNICO FASE IV, ALEATORIZADO, MULTICÉNTRICO Y DOBLE CIEGO DISEÑADO PARA EVALUAR LA SEGURIDAD Y LA CONVENIENCIA DEL CAMBIO DE DTG/3TC POR BIC/FTC/TAF EN PERSONAS CON VIH, BUEN CONTROL VIROLÓGICO Y VULNERABILIDADES NEUROPSIQUIÁTRICAS: ESTUDIO MIND. PI: ESTRADA PÉREZ, VICENTE.

ECL.22/256. ESTUDIO FASE I/II OBSERVADOR CIEGO, ALEATORIZADO, INTERNACIONAL Y CONTROLADO CON PLACEBO PARA EVALUAR LA REACTOGENICIDAD, SEGURIDAD, RESPUESTA INMUNE Y EFICACIA DE LA VACUNA FRENTE AL VIRUS HERPES SIMPLEX (VHS) EN SUJETOS SANOS DE 18 A 40 AÑOS O EN PACIEN. PI: AYERDI AGUIRREBENGOA, OSKAR.

ECL.22/395. PROTOCOLO MAESTRO PARA ENSAYOS CLÍNICOS DIRIGIDO A MACROTROMBOSIS, MICROINMUNOTROMBOSIS, HIPERINFLAMACIÓN VASCULAR E HIPERCOAGULABILIDAD Y EL SISTEMA RENINA-ANGIOTENSINA-ALDOSTERONA (SRAA) EN PACIENTES HOSPITALIZADOS CON COVID-19 CONNECTS MASTER PROTOCOL. PI: ESTRADA PÉREZ, VICENTE.

ECL.22/426. ENSAYO DE FASE III ALEATORIZADO, COMPARATIVO CON PLACEBO, DOBLE CIEGO Y MULTICÉNTRICO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE LA TRIMODULINA (BT588) EN PARTICIPANTES ADULTOS HOSPITALIZADOS CON COVID-19 MODERADA O GRAVE. A RANDOMIZED, PLACEBO-CONTROLLED. PI: ESTRADA PÉREZ, VICENTE.

ECL.22/495. ESTUDIO EN FASE II/III, ALEATORIZADO, CONTROLADO CON PLACEBO, DOBLE CIEGO Y MULTICÉNTRICO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE FB2001 EN PACIENTES HOSPITALIZADOS CON COVID-19 ENTRE MODERADA Y GRAVE. A PHASE II/III, DOUBLE-BLIND, RANDOMIZED, PLACEBO-. PI: ESTRADA PÉREZ, VICENTE.

ECL.22/556. CLÍNICA Y EPIDEMIOLOGÍA DEL BROTE DE INFECCIÓN POR MONKEYPOX EN ESPAÑA EN EL AÑO 2022. PI: ORVIZ GARCÍA, EVA.

ECL.22/575. ESTUDIO CLÍNICO TRASLACIONAL EN FASE II MULTICÉNTRICO, ABIERTO, ALEATORIZADO, CONTROLADO, EN CANASTA Y PRAGMÁTICO PARA DETERMINAR LA EFICACIA Y SEGURIDAD DE LA PLITIDEPSINA EN COMPARACIÓN CON EL CONTROL EN PACIENTES ADULTOS INMUNODEPRIMIDOS CON COVID-19 S. PI: ESTRADA PÉREZ, VICENTE.

## IIIA.10

### Research on INA Infectious Disease

#### Leading researcher

José Tomás Ramos Amador

#### Members

Adrián García Ron  
Alba Ruedas López  
Andrés Bodas Pinedo  
Arantxa Berzosa Sanchez  
Celia Gil López  
Cristina González Menchen  
Diana Leticia Mazariegos Orellana  
Diego López De Lara  
Enrique Criado Vega  
Esther Aleo Lujan  
Laura Francisco Gonzalez  
Luis Felipe Ávila Ramírez  
Marta Bote Gascón  
Marta Illan Ramos  
Olga Pérez Rodríguez  
Santiago Rueda Esteban

#### Scientific production

N° of papers (WoS)	<b>27</b>
% Open Access (N°)	<b>81%</b> (22)
% Citable Items (N°)	<b>100%</b> (22)
N° of papers JCR indexed	<b>22</b>
Q1 (citable items)	<b>36%</b> (8)
Cumulative IF	<b>81,993</b>
Average IF	<b>3,727</b>



#### Overview

The research group focuses its activity in the field of paediatric infectious diseases, with particular emphasis on the study of the natural history of paediatric HIV infection and mother-to-child transmission of HIV and hepatitis C virus (HCV).

In 2000, a follow-up cohort of HIV-infected pregnant women was created in the Community of Madrid (CAM), in order to learn about vertical transmission of HIV and HCV, and the safety and effectiveness of the antiretroviral drugs used in pregnant women and children. A cohort of children and adolescents with HIV infection in the CAM, mostly through vertical transmission, was created in 2003, involving 9 public hospitals with the aim of learning about the natural history of the disease, the impact and safety of antiretroviral treatment, as well as the transition to adult units, with long-term follow-up of morbidity and mortality associated with chronic infection and inflammation.

These cohorts are centralised in their research at the Hospital Clínico San Carlos de Madrid (HCSC). They are integrated in the Spanish network for monitoring children with HIV infection (CORISPE) and adult networks (CORIS, infectious diseases CIBER), of which they form the core, and are part of European networks for children and pregnant women that aim to answer many questions about the natural history of the disease and its evolution in adulthood.



## IIIA.10

### Selected publications

BERZOSA SANCHEZ, ARANTXA, Epalza, Cristina, Luisa Navarro, Maria, Alcolea, Sonia, Escosa Garcia, Luis, Guillen Martin, Sara, RAMOS GARCÍA, M<sup>a</sup> ISABEL, Prieto Tato, Luis Manuel, Carrasco, Itziar, Sainz, Talia, RAMOS AMADOR, JOSE TOMAS. SARS-CoV-2 Infection in Children and Adolescents Living With HIV in Madrid. PEDIATRIC INFECTIOUS DISEASE JOURNAL. 2022; 41 (10): 824-826. DOI: 10.1097/INF.0000000000003624. FI: 3,806. (Q1).

BERZOSA SANCHEZ, ARANTXA, de Angeles Fernandez, Cristina, CALLEJAS CABALLERO, IGNACIO, RAMOS GARCÍA, M<sup>a</sup> ISABEL, Vecino Lopez, Raquel, Bodas Pinedo, Andres, RAMOS AMADOR, JOSE TOMAS. Acute Hepatitis in an Adolescent Without Travel History. PEDIATRIC INFECTIOUS DISEASE JOURNAL. 2022; 41 (3): 272-273. DOI: 10.1097/INF.0000000000003183. FI: 3,806. (Q1).

LÓPEZ DE LARA, DIEGO, RUIZ SANCHEZ, JORGE GABRIEL, CUESTA HERNANDEZ, MARTIN, Seara, German, CALLE PASCUAL, ALFONSO LUIS, RUBIO HERRERA, MIGUEL ÁNGEL, RUNKLE DE LA VEGA, ISABELLE, Verbalis, Joseph George. Exercise-Induced Hyponatremia: An Assessment of the International Hydration Recommendations Followed During the Gran Trail De Penalara and Vitoria-Gasteiz Ironman Competitions. Frontiers in Nutrition. 2022; 8. DOI: 10.3389/fnut.2021.781229. FI: 6,59. (Q1).

### Clinical practice guidelines

Moral-Martos, Amadora, Guerrero-Fernandez, Julio, Balaguer, Marcelino Gomez, Echevarria, Itxaso Rica, Campos-Martorell, Ariadna, Jesus Chueca-Guindulain, Maria, Garcia Garcia, Emilio, Hoyos-Gurra, Raul, LÓPEZ DE LARA, DIEGO, Pedro Lopez-Siguero, Juan, Martos Tello, Jose María, Mora Palma, Cristina, Riano Galan, Isolina, Yeste Fernandez, Diego. Clinical practice guidelines for transsexual, transgender and gender diverse minors. ANALES DE PEDIATRIA. 2022. 96(4): 279: 10.1016/j.anpedi.2022.02.002.

### Doctorate theses

Doctoral candidate: Kinda Altali Alhames. Thesis title: Biomarcadores diagnósticos de apendicitis aguda en pacientes pediátricos, atendidos por dolor abdominal en los servicios de urgencias españoles. Director(s): J T Ramos Amador, A Bodas Pinedo, Francisco Javier Martín Sánchez. University: Universidad Complutense de Madrid.

### New competitive funding

JRA.SEIP.22. RESPUESTA INMUNOLÓGICA TRAS VACUNACIÓN FRENTE SARS-COV-2 EN NIÑOS MENORES DE 12 AÑOS: COMPARACIÓN ENTRE PACIENTES CON INFECCIÓN VIH Y NIÑOS INMUNOCOMPETENTES". PI: RAMOS AMADOR, JOSE TOMAS. Funding organisation: SOCIEDAD ESPAÑOLA DE INFECTOLOGÍA PEDIÁTRICA.

### New non competitive funding

ECL.2019/130. A Phase 2a Open-Label Study in Infants with REspiratory Syncytial VIRus Lower Respiratory Tract Infection, Followed by a Double-blind, Placebo-controlled Part, to Evaluate the Safety, Tolerability, Pharmacokinetics and Antiviral Effect of RV521 (REVIRAL 1. PI: RAMOS AMADOR, JOSE TOMAS.

ECL.21/514. ESTUDIO FASE II, ALEATORIZADO Y PARCIALMENTE CIEGO, PARA EVALUAR LA SEGURIDAD, REACTOGENICIDAD E INMUNOGENICIDAD DE LA VACUNA ANTIMENINGOCÓCICA COMBINADA ABCWY TRAS SU ADMINISTRACIÓN A LACTANTES SANOS. PI: RAMOS AMADOR, JOSE TOMAS.

ECL.22/154. Estudio para evaluar la aceptabilidad del comprimido de combinación en dosis fija (CDF) de Darunavir/Cobicistat (DRV/COBI) en niños infectados por el virus de la inmunodeficiencia humana de tipo 1 (VIH-1) de  $\geq 3$  años de edad y con un peso entre  $\geq 15$  kg y  $<25$  kg. PI: RAMOS AMADOR, JOSE TOMAS.

ECL.22/166. RESPUESTA INMUNOLÓGICA TRAS VACUNACIÓN FRENTE SARS-COV-2 EN NIÑOS MENORES DE 12 AÑOS: COMPARACIÓN ENTRE PACIENTES CON INFECCIÓN .

## IIIA.12

### Immunology



#### Leading researchers

Silvia Sánchez Ramón

Miguel Fernández Arquero

#### Members

Alberto Varas Fajardo

Alejandro Peixoto Rodríguez

Ana Sarnago Gonzalo

Ángeles Matey Martín

Ángeles Vicente López

Barbara Alonso Arenilla

Carmen Izquierdo Delgado

Cristina Benito Villalvilla

Eva Jiménez Pérez

Gustavo Esteban Cordero Torres

Jacobo López-Abente Muñoz

Jaris Valencia Mahón

Juliana Lucía Ochoa Grullón

Kissy Annet María Guevara Hoyer

Laura García Reguero

Laura Ribes Martínez

Leticia Martín de la Cruz

Lidia Martínez Fernández de Sevilla

Luis Manuel Moltó Delgado

María Guzmán Fulgencio

Miguel Fernández Arquero

Nabil Alberto Subhi-Issa Marín

Natalia Rodríguez Vicente

Oscar Palomares Gracia

Rosa María Sacedon Ayuso

#### Scientific production

N° of papers (WoS)	<b>19</b>
% Open Access (N°)	<b>74%</b> (14)
% Citable Items (N°)	<b>78%</b> (14)
N° of papers JCR indexed	<b>18</b>
Q1 (citable items)	<b>64%</b> (9)
D1 (citable items)	<b>14%</b> (2)
Cumulative IF	<b>102,74</b>
Average IF	<b>7,338</b>

#### Overview

This is a translational research group in the study of immunological biomarkers aimed at targeted diagnosis and the development of immunomodulation strategies in the field of primary and secondary immunodeficiencies and autoimmune diseases, as well as in other immune-based pathologies, such as recurrent gestational failure of inflammatory cause, in which this group is a pioneer in Spain.

The group has established strong collaborations with national groups (Dr. Rebeca Pérez de Diego, from IdiPaz, with the group of Dr. Ángel L Corbí, from the CIB and with the Department of Immunology of the Faculty of Medicine, led by Prof. José Ramón Regueiro), and international groups (Dr. Florence Faure, Institut Curie and Dr. Matthew L Albert, Institut Pasteur) and has obtained national and EU public research projects and is involved in the elaboration of consensus of Spanish and international societies (SICAM, SEI, ESID, FOCIS).

## IIIA.12

### Selected publications

GUEVARA HOYER, KISSY ANNET MARÍA, Fuentes-Antras, Jesus, de la Fuente-munoz, Eduardo, FERNÁNDEZ ARQUERO, MIGUEL, Solano, Fernando, PÉREZ SEGURA, PEDRO, Neves, Esmeralda, OCAÑA FERNANDEZ, ALBERTO, de Diego, Rebeca Perez, SÁNCHEZ RAMÓN, SILVIA. Genomic crossroads between non-Hodgkin's lymphoma and common variable immunodeficiency. *FRONTIERS IN IMMUNOLOGY*. 2022; 13. DOI: 10.3389/fimmu.2022.937872. FI: 8,786. (Q1).

OCHOA GRULLON, JULIANA LUCIA, GUEVARA HOYER, KISSY ANNET MARÍA, Perez Lopez, Cristina, Perez de Diego, Rebeca, Pena Cortijo, Ascension, POLO ZARZUELA, MARTA, Mateo Morales, Marta, Anguita Mandley, Eduardo, Jimenez Garcia, Carlos, BOLAÑOS, EVA, IÑIGO RODRIGUEZ, MARIA BELEN, Medina, Fiorella, RODRÍGUEZ DE LA PEÑA, ANTONIA, Izquierdo Delgado, Carmen, de la Fuente Munoz, Eduardo, Mayol, Elsa, FERNÁNDEZ ARQUERO, MIGUEL, Gonzalez-Fernandez, Ataulfo, BENAVENTE CUESTA, CELINA, SÁNCHEZ RAMÓN, SILVIA. Combined Immune Defect in B-Cell Lymphoproliferative Disorders Is Associated with Severe Infection and Cancer Progression. *Biomedicines*. 2022; 10 (8): -. DOI: 10.3390/biomedicines10082020. FI: 4,757. (Q2).

MARTINEZ FERNANDEZ DE SEVILLA, LIDIA, VALENCIA MAHON, JARIS, Ortiz-Sanchez, Paula, Fraile-Ramos, Alberto, Zuluaga, Pilar, JIMÉNEZ PÉREZ, EVA, SACEDON AYUSO, ROSA MARÍA, Martinez-Sanchez, Maria V., Jazbec, Janez, Debeljak, Marusa, Fedders, Birthe, Stanulla, Martin, Schewe, Denis, Cario, Gunnar, Minguela, Alfredo, Ramirez, Manuel, VARAS FAJARDO, ALBERTO, VICENTE LÓPEZ, ÁNGELES. High BMP4 expression in low/intermediate risk BCP-ALL identifies children with poor outcomes. *Blood*. 2022; 139 (22): 3303-3313. DOI: 10.1182/blood.2021013506. FI: 25,476. (D1).

### Awards

Researcher aware: SÁNCHEZ RAMÓN, SILVIA and GLORIA CANDELAS. Winning work: Sublingual Bacterial Vaccination Reduces Recurrent Infections in Pacientes with autoimmune diseases under immunosuppressant treatment. Award: XXVIII Premio Científico - 2º Premio.

### Doctorate theses

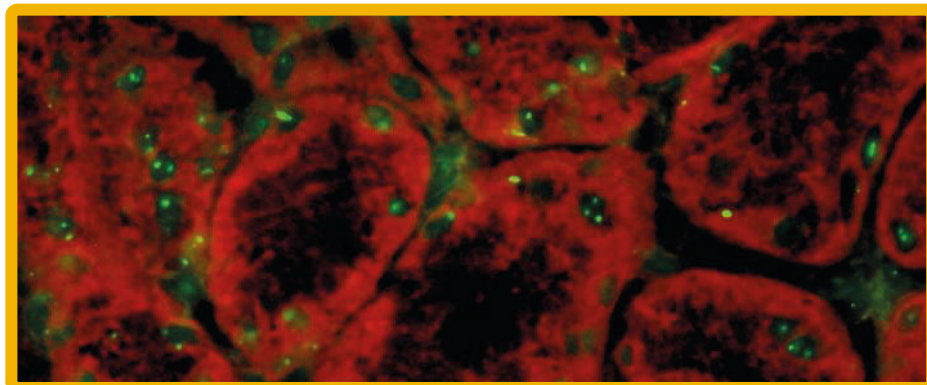
Doctoral candidate: Alejandra Comins Boo. Thesis title: Estudio de biomarcadores en sangre periférica en mujeres con fallo reproductivo recurrente. Director(s): Silvia Sánchez-Ramón. University: Universidad Complutense de Madrid.

### New non competitive funding

ECL.19/478. ADVANCING ON PRECISION MEDICINE IN THE RECURRENT GESTATIONAL FAILURE OF INFLAMMATORY CAUSE". AVANCES EN MEDICINA DE PRECISIÓN EN FALLO GESTACIONAL RECURRENTE DE ORIGEN INFLAMATORIO. PI: SÁNCHEZ RAMÓN, SILVIA.

ECL.21/461. ENSAYO CLÍNICO ALEATORIZADO FASE I/II, PROSPECTIVO, DOBLE CIEGO, CONTROLADO CON PLACEBO, UNICÉNTRICO, PARA LA EVALUACIÓN DE MV130 SUBLINGUAL EN SU CAPACIDAD PARA INDUCIR LA EXPRESIÓN DE INMUNIDAD ENTRENADA EN SANGRE PERIFÉRICA. PI: SÁNCHEZ RAMÓN, SILVIA.

MFA.M01INM. Convenio colaboración para la realización del proyecto "Investigación del uso de preparaciones polibacterianas (MV130/MV140) como nueva generación de inmunoestimulantes para potenciar inmunización basados en Inmunidad Entrenada". Se colabora económicament. PI: FERNÁNDEZ ARQUERO, MIGUEL. Funding organisation: INMUNOTEK SL.





Neuroscience area



**NEC**



# Neuroscience area

## Groups

**NEC.1** Clinical and Neurobiological Research in Psychiatry and Mental Health

**NEC.2** Advanced Research in Personality Disorders, Aggression and Impulse Control

**NEC.3** Psychoneuroendocrinology, Molecular Neuroimaging and Genetics in Neuropsychiatric Diseases

**NEC.6** Neurological Diseases

**NEC.7** Research group on environmental factors in degenerative diseases

**NEC.9** Brain Mapping

**NEC.13** Advanced Research in Personality Disorders, Aggression and Impulse Control

**NEC.18** Research in Glaucoma, Retina and Visual Pathways

**NEC.20** Neurotransmission and Neuromodulation in the Central and Peripheral Nervous System

**NEC.22** Pathophysiology and INA Neurological Therapeutics (NEURO-INA-IN)



## ANNUAL GOALS

Promote communication between groups in the area



Completed

Promote the participation of residents in research



On going

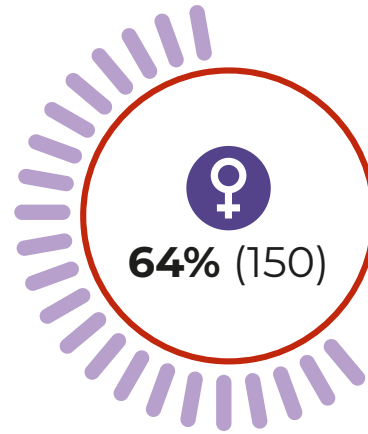
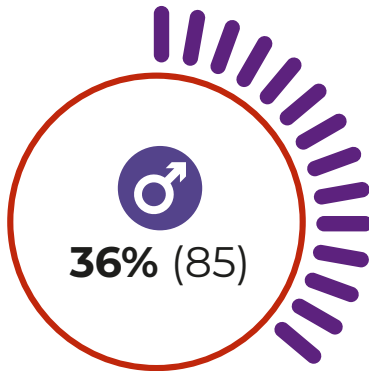
Increasing the interface between basic research and clinical research within the area



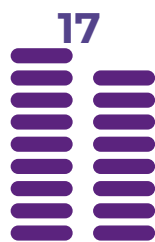
On going



## Accumulated Total professionals in the area



## Activity



New project competitive funding



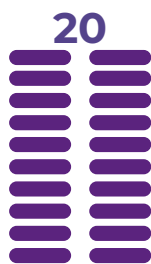
New project non competitive funding



Awards



Clinical practice guidelines



Doctorate Theses



Mobility of Researcher



Technology Transfer

## Scientific production

Nº of papers  
(WoS)

**239**

% OA

**57.74**

Nº of citable  
items

**177**

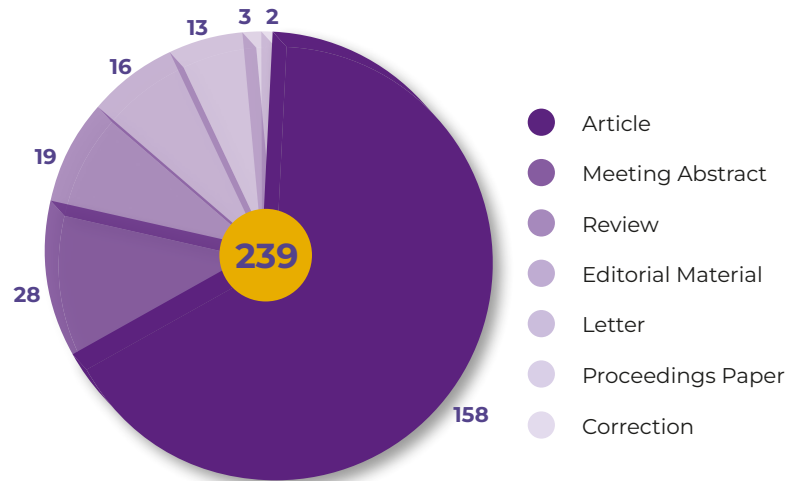
% 1Q  
(Citable items)

**45.19**

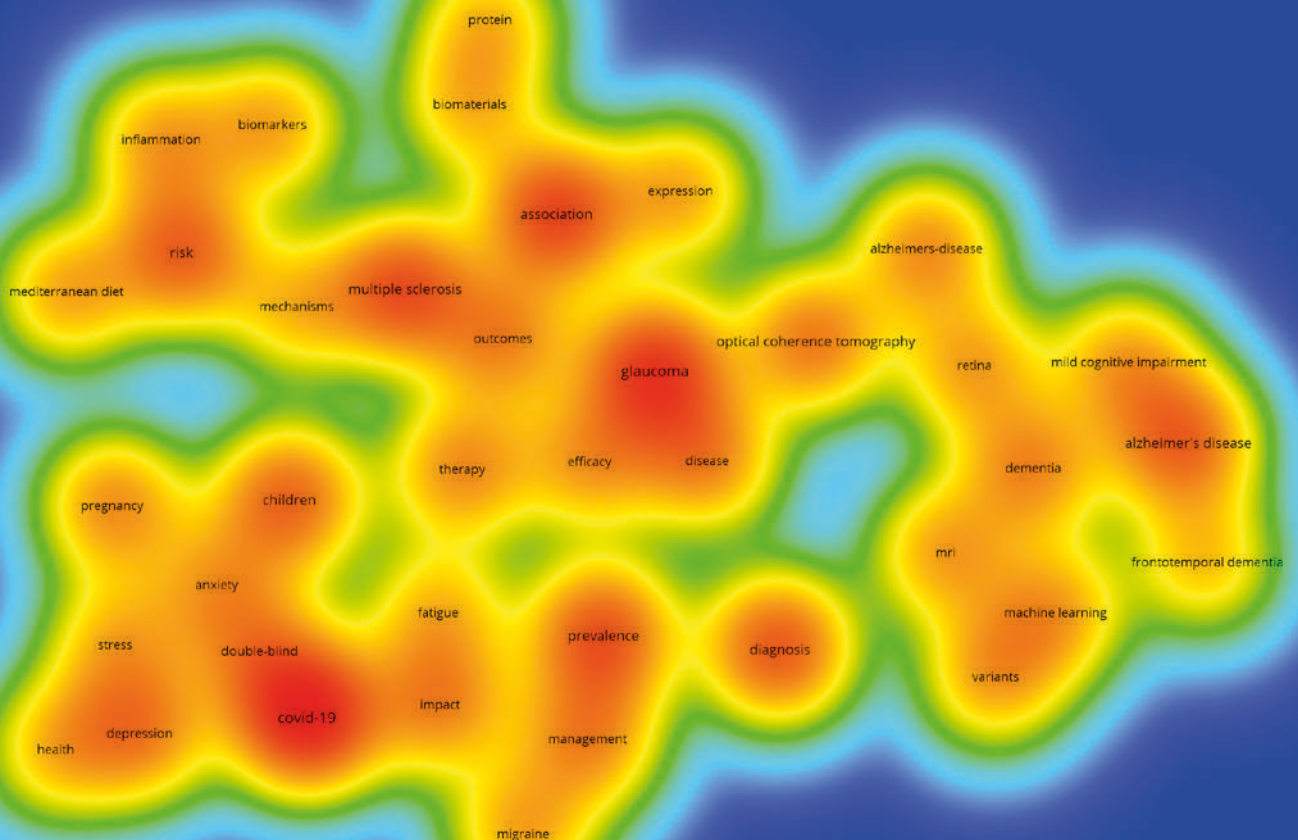
% 1D  
(Citable items)

**9.6**

### Document type



### Keywords (> 5 frequency)



## Top 5 journals with the highest publication rate

During 2022, the Neurology area's researchers have published in a total of 143 different journals. The top 5 journals where they publish the most are shown below. It represents the 13.38% of the scientific production of this area. Two of these journals are in the first quartile of the JCR 2022 for their thematic category.

JOURNAL	Nº OF PAPERS (WoS)	QUARTIL 2022	WoS CATEGORY	ARTICLE INFLUENCE SCORE 2022	JOURNAL CITATION INDICATOR 2022	IF (WITHOUT SELF-CITATIONS) 2022
EUROPEAN JOURNAL OF OPHTHALMOLOGY	8	Q4 (47/62)	OPHTHALMOLOGY	0.428	0.63	1.7
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	7	Q1 (66/285)	BIOCHEMISTRY & MOLECULAR BIOLOGY	1.028	0.71	5
EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING	6	Q1 (7/135)	RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING	2.051	2.41	8.2
Journal of Clinical Medicine	6	Q2 (58/167)	MEDICINE, GENERAL & INTERNAL	0.908	0.95	3.6
FRONTIERS IN AGING NEUROSCIENCE	5	Q2 (80/272)	NEUROSCIENCES	1.245	0.97	4.4

## Selected 5 publications

**1.** Ayora, Miriam, FRAGUAS HERRAEZ, DAVID, Abregu-Crespo, Renzo, Recio, Sandra, Blasco, María A., Moises, Ana, Derevyanko, Aksinya, Arango, Celso, Diaz-Caneja, Covadonga M. . Leukocyte telomere length in patients with schizophrenia and related disorders: a meta-analysis of case-control studies. MOLECULAR PSYCHIATRY. 2022; 27 (7): 2968-2975. DOI: 10.1038/s41380-022-01541-7. FI: 13,437. (D1).

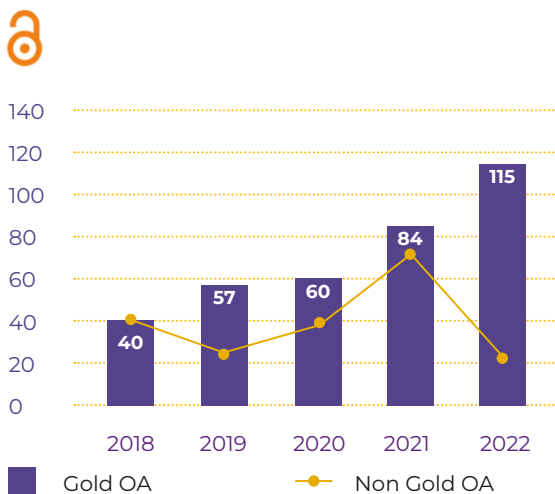
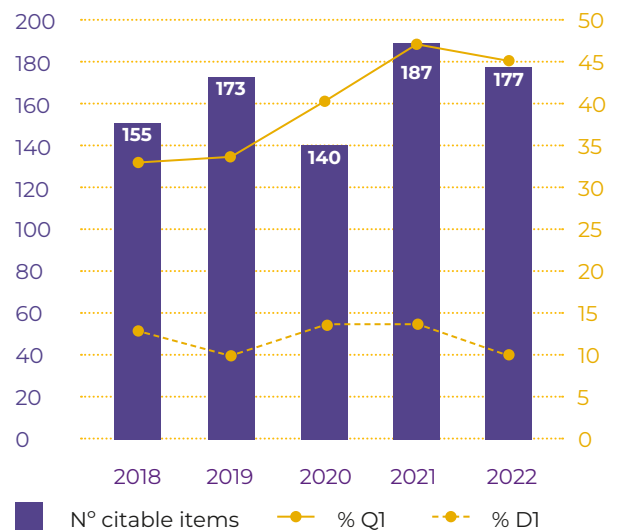
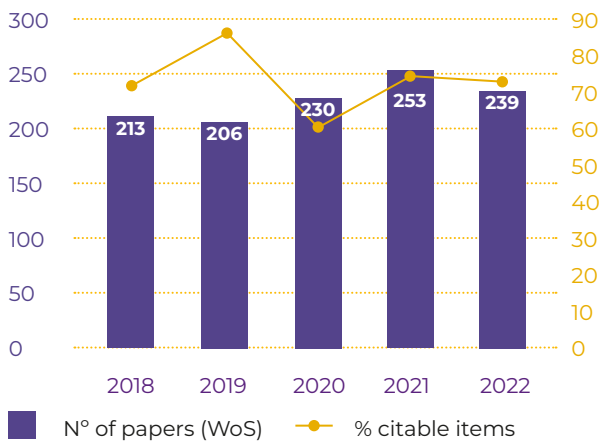
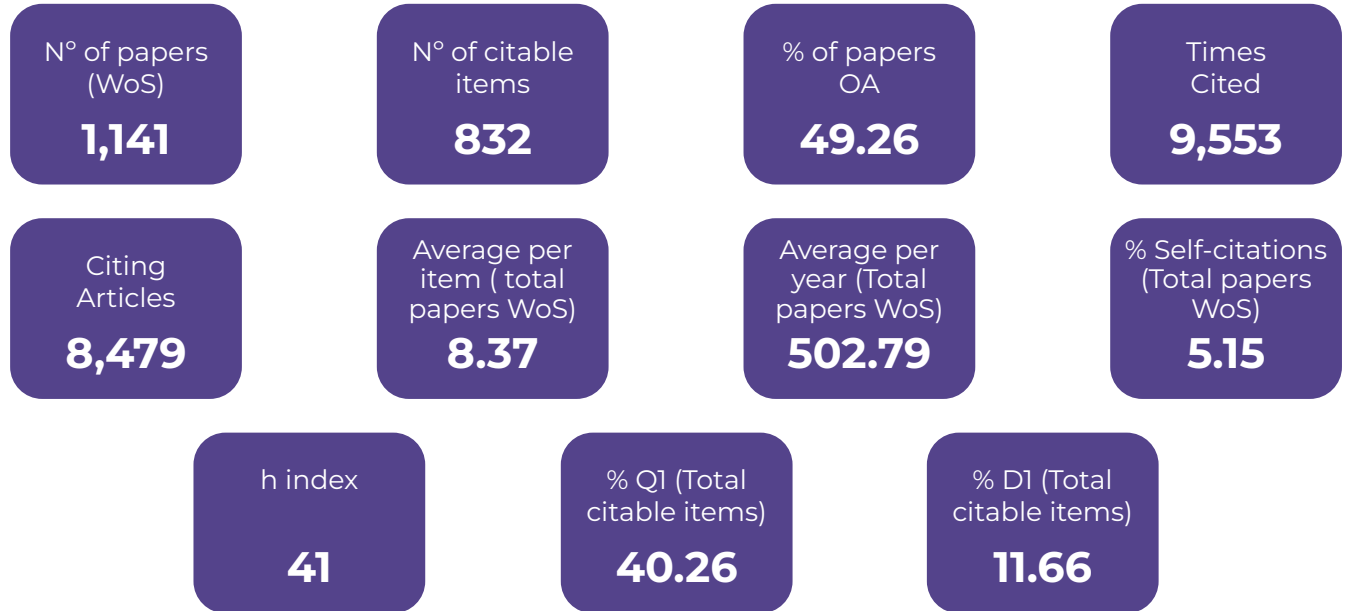
**2.** LÓPEZ CUENCA, INÉS, Marcos-Dolado, Alberto, YUS FUERTES, MIGUEL, Salobrar-García, Elena, Elvira-Hurtado, Lorena, FERNÁNDEZ ALBARRAL, JOSÉ ANTONIO, SALAZAR CORRAL, JUAN JOSÉ, RAMÍREZ SEBASTIÁN, ANA ISABEL, Sanchez-Puebla, Lidia, FUENTES FERRER, MANUEL ENRIQUE, BARABASH BUSTELO, ANA MARÍA, Ramirez-Torano, Federico, Gil-Martinez, Lidia, Arrazola-Garcia, Juan, GIL GREGORIO, PEDRO, DE HOZ MONTAÑANA, ROSA, RAMÍREZ SEBASTIÁN, JOSÉ MANUEL. The relationship between retinal layers and brain areas in asymptomatic first-degree relatives of sporadic forms of Alzheimer's disease: an exploratory analysis. ALZHEIMERS RESEARCH & THERAPY. 2022; 14 (1): -. DOI: 10.1186/s13195-022-01008-5. FI: 8,823. (D1).

**3.** Gordon, Jose, ARRUZA GÓMEZ, LUIS, Dolores Ibanez, Maria, Moreno-Guzman, Maria, Angel Lopez, Miguel, Escarpa, Alberto . On the Move-Sensitive Fluorescent Aptassay on Board Catalytic Micromotors for the Determination of Interleukin-6 in Ultra-Low Serum Volumes for Neonatal Sepsis Diagnostics. ACS Sensors. 2022; 7 (10): 3144-3152. DOI: 10.1021/acssensors.2c01635. FI: 9,618. (D1).

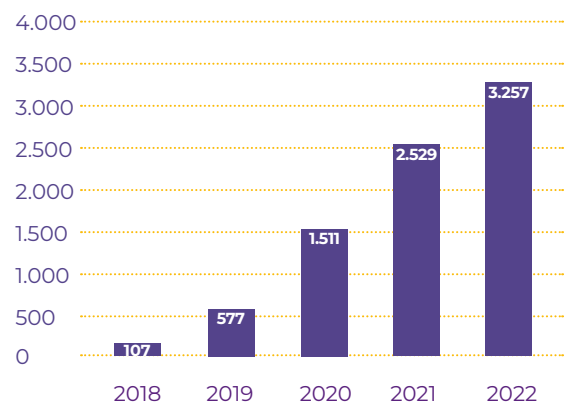
**4.** FERNANDEZ GARCIA, CARLA, Monje, Mariana H. G., MAYORDOMO CASADO, BLANCA, Foffani, Guglielmo, Herranz, Rafael, CATALÁN ALONSO, MARÍA JOSÉ, Gonzalez-Hidalgo, Mercedes, MATÍAS-GUIU GUIA, JORGE, ALONSO FRECH, FERNANDO. Long-term directional deep brain stimulation: Monopolar review vs. local field potential guided programming. BRAIN STIMULATION. 2022; 15 (3): 727-736. DOI: 10.1016/j.brs.2022.04.015. FI: 9,184. (D1).

**5.** Pablo Cuello, Juan, Martinez Gines, Maria Luisa, Garcia Dominguez, Jose Manuel, Tejeda-Velarde, Amalia, Lozano Ros, Alberto, Higuera, Yolanda, Meldana Rivera, Ariana, Goicochea Briceno, Haydee, Garcia-Tizon, Santiago, De Leon-Luis, Juan, Medina Heras, Silvia, Fernandez Velasco, Jose Ignacio, PÉREZ PÉREZ, SILVIA, GARCÍA MARTÍNEZ, MARÍA ÁNGEL, Pardo-Rodriguez, Beatriz, DOMÍNGUEZ MOZO, MARÍA INMACULADA, Garcia-Calvo, Estefania, Estevez, Hector, Luis Luque-Garcia, Jose, Maria Villar, Luisa, ÁLVAREZ LAFUENTE, ROBERTO. Short-chain fatty acids during pregnancy in multiple sclerosis: A prospective cohort study. EUROPEAN JOURNAL OF NEUROLOGY. 2022; 29 (3): 895-900. DOI: 10.1111/ene.15150. FI: 6,288. (Q1).

**Scientific production (2018 - 2022)**



**Times cited by year**



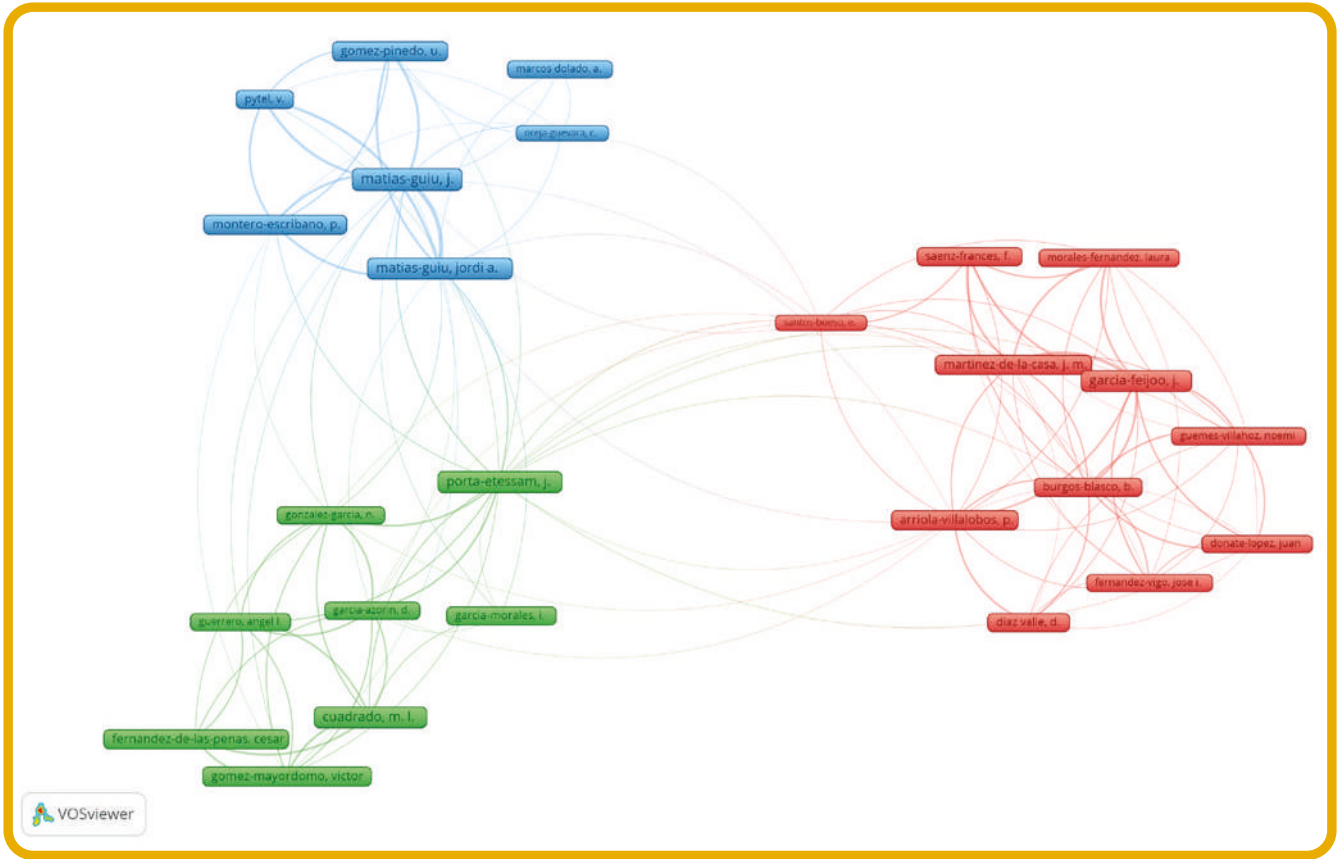
\* WoS download 17.07.2023

## Top 5 journals with the highest publication rate

TITLE	JOURNAL	TIMES CITED	YEAR	QUARTIL	WOS CATEGORY	ARTICLE INFLUENCE SCORE	OA TYPE
Acute-onset smell and taste disorders in the context of COVID-19: a pilot multicentre polymerase chain reaction based case-control study	EUROPEAN JOURNAL OF NEUROLOGY	243	2020	Q1 (30/208)	CLINICAL NEUROLOGY	1.593	Non Gold OA
Association of Initial Disease-Modifying Therapy With Later Conversion to Secondary Progressive Multiple Sclerosis	JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION	240	2019	Q1 (83/165)	MEDICINE, GENERAL & INTERNAL	21.694	Non Gold OA
Neurotrophic keratopathy	PROGRESS IN RETINAL AND EYE RESEARCH	169	2018	Q1 (1/60)	OPHTHALMOLOGY	4.054	Non Gold OA
Prevalence of post-COVID-19 symptoms in hospitalized and non-hospitalized COVID-19 survivors: A systematic review and meta-analysis	EUROPEAN JOURNAL OF INTERNAL MEDICINE	167	2021	Q1 (26/172)	MEDICINE, GENERAL & INTERNAL	1.551	Non Gold OA
Defining Post-COVID Symptoms (Post-Acute COVID, Long COVID, Persistent Post-COVID): An Integrative Classification	INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH	141	2021	Q1 (45/182)	PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH	0.866	Gold OA



Most cited authors ( > 25 papers)



## NEC.1

### Clinical and Neurobiological Research in Psychiatry and Mental Health



#### Leading researchers

Blanca Reneses Prieto

David Fraguas Herráez

#### Members

Antonio Pelaz Antolín

Beatriz Serván Rendon-Luna

Diego Figuera Álvarez

Isabel María Argudo Carpel

Jose Antonio Gallastegui Galán

Julia García-Albea Martín

Julia María Del Río Vega

Julia Sevilla Llewellyn-Jones

Laura Oca Bravo

Lucía Gallego Deike

M<sup>a</sup> del Rosario Pérez Moreno

M<sup>a</sup> Isabel Ramos García

María Dolores Saiz González

María Inés López-Ibor Alcocer

María Luisa Zamarro Arranz

Marta García Huescar

Nuria Tur Salamanca

Rosa María Molina Ruíz

Tomás Palomo Álvarez

#### Scientific production

N° of papers (WoS)	<b>19</b>
% Open Access (N°)	<b>68%</b> (13)
% Citable Items (N°)	<b>94%</b> (16)
N° of papers JCR indexed	<b>17</b>
Q1 (citable items)	<b>56%</b> (9)
D1 (citable items)	<b>13%</b> (2)
Cumulative IF	<b>83,810</b>
Average IF	<b>5,238</b>



#### Overview

This group was created on the basis of the Psychiatry and Mental Health Research Group led by Professor Juan José López-Ibor until December 2014, and the subsequent incorporation of Professor Thomas Palomo, PI of the G19 Group of CIBERSAM.

In order to continue the already established lines, and to strengthen the research in the area of clinical and basic research of mental disorders, particularly in psychoses and related disorders, this group has a shared coordination between Dr. David Fraguas (Hospital Clínico San Carlos) and Dr. Blanca Reneses (Hospital Clínico San Carlos).

## NEC.1

### Selected publications

Ayora, Miriam, FRAGUAS HERRAEZ, DAVID, Abregu-Crespo, Renzo, Recio, Sandra, Blasco, Maria A., Moises, Ana, Derevyanko, Aksinya, Arango, Celso, Diaz-Caneja, Covadonga M.. Leukocyte telomere length in patients with schizophrenia and related disorders: a meta-analysis of case-control studies. *MOLECULAR PSYCHIATRY*. 2022; 27 (7): 2968-2975. DOI: 10.1038/s41380-022-01541-7. FI: 13,437. (D1).

Ruiz, Francisco-Javier, Saiz, Pilar A., Paz Garcia-Portilla, Maria, Gonzalez-Blanco, Leticia, Garcia-Alvarez, Leticia, Zurrón Madera, Paula, Teresa Bobes-Bascaran, Maria, Jimenez Trevino, Luis, Valtuena Garcia, Mercedes, Martinez Cao, Clara, Garcia Fernandez, Ainoa, Rodriguez Revuelta, Julia, Moya Lacasa, Carlota, Dal Santo, Francesco, Paniagua Calzon, Gonzalo, Suarez Alvarez, Maria, Bascaran Fernandez, Maria Teresa, Seijo Zazo, Elisa, Iglesias Garcia, Celso, Fonseca Pedrero, Eduardo, MOLINA RUÍZ, ROSA MARÍA, Bobes, Julio. Does COVID-19 psychological fatigue exist? Results of three online cross-sectional studies conducted in Spain from April 2020 to March 2021. *JOURNAL OF GLOBAL HEALTH*. 2022; 12. DOI: 10.7189/jogh.12.05001. FI: 7,664. (D1).

MOLINA RUÍZ, ROSA MARÍA, Looi, Jeffrey C. L., Walterfang, Mark, Garcia-Saiz, Tomas, Wilkes, Fiona A., Liu, Lena L., Velakoulis, Dennis, CARRASCO PERERA, JOSÉ LUIS, DÍAZ MARSÁ, MARINA FRANCISCA. Striatal volumes as potential biomarkers in Eating Disorders: A pilot study. *REVISTA DE PSIQUIATRIA Y SALUD MENTAL*. 2022; 15 (2): 65-73. DOI: 10.1016/j.rpsm.2020.01.003. FI: 6,795. (Q1).

### New competitive funding

INT21/00048. Contratos para la intensificación de la actividad investigadora del SNS: David Fraguas Herráez. PI: FRAGUAS HERRAEZ, DAVID. Funding organisation: INSTITUTO DE SALUD CARLOS III.

SchizOMICS. N° EUDRACT: 2022-001582-12. Ensayo clínico abierto, multicéntrico, aleatorizado para evaluar la eficacia y seguridad de aripiprazol vs paliperidona / risperidona mediante datos multi-ómicos en pacientes con un primer episodio psicótico. PI: FRAGUAS HERRAEZ, DAVID. Funding organisation: INSTITUTO DE SALUD CARLOS III.

### New non competitive funding

ECL.21/081. "DEPSTAGE" CÓMO SE AJUSTA EL TRATAMIENTO DE LA DEPRESIÓN EN LA PRÁCTICA DE RUTINA A UNA GUÍA DE PRÁCTICA CLÍNICA BASADA EN UN MODELO DE ESTADIAJE. PI: RENESES PRIETO, BLANCA.

ECL.21/116. ENSAYO ALEATORIZADO, DOBLE CIEGO Y CONTROLADO CON PLACEBO DE TRORILUZOL COMO TRATAMIENTO COMPLEMENTARIO EN EL TRASTORNO OBSESIVO-COMPULSIVO. A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED TRIAL OF ADJUNCTIVE TRORILUZOLE IN OBSESSIVE COMPULSIVE DISORDER. PI: RENESES PRIETO, BLANCA.

## NEC.2

### Advanced Research in Personality Disorders, Aggression and Impulse Control



#### Leading researcher

José Luís Carrasco Perera

#### Members

Alejandro de la Torre Luque  
 Ana Montes Montero  
 Andrés Pemau Gurumeta  
 Irene de la Vega Rodríguez  
 José Manuel López Villatoro  
 María Dolores Morón Nozaleda  
 Marina Francisca Díaz Marsá  
 Miguel Yus Fuertes  
 Patricia Díaz Carracedo  
 Patricia Gómez Merino  
 Pilar de la Higuera González  
 Rafael Fernández García-Andrade  
 Sara González Vives  
 Verónica Fernández Rodrigues  
 Wala Ayad Ahmed

#### Scientific production

N° of papers (WoS)	<b>12</b>
% Open Access (N°)	<b>67%</b> (8)
% Citable Items (N°)	<b>92%</b> (11)
N° of papers JCR indexed	<b>12</b>
Q1 (citable items)	<b>36%</b> (4)
D1 (citable items)	<b>18%</b> (2)
Cumulative IF	<b>60,274</b>
Average IF	<b>5,479</b>

*ciber* | SAM

#### Overview

The group of advanced research in personality disorders, aggression and impulse control has steadily grown over the last fifteen years, on a scope consisting of severe behavioral pathologies, other than schizophreniform disorders, bipolar disorders or organic-brain disorders. The group covers the so-called personality impulsive disorders (borderline, histrionic, antisocial), explosive aggression disorders (intermittent explosive disorder), self-harm disorders (self-injurious behavior or self-mutilation, suicide) and pathological impulsive disorders (nervous bulimia and related disorders, pathological gambling and other disorders of impulse control).

The research has covered from the biological study of impulsive personality traits (Carrasco et al, 1994, Diaz-Marsá et al, 2000), through neurochemical (serotonergic depletion, hypothalamic-pituitary response, platelet MAO activity) and psychological indices (personality structure, neuropsychological function, coping mechanisms) of aggressive and eating impulsive disorders (Carrasco et al, 2000, 2007, 2010) (Diaz-Marsá et al, 2007, 2009) to the current research on neuro-impulsivity (RNM, magnetoencephalography) of involved psychogenic factors, such as childhood trauma, emotional and affective response, and attention deficit disorder.

## NEC.2

### Selected publications

LÓPEZ VILLATORO, JOSÉ MANUEL, MacDowell, Karina S., DÍAZ MARSÁ, MARINA FRANCISCA, DE LA TORRE LUQUE, ALEJANDRO, Prittwitz, Clara, Galvez-Merlin, Alejandra, Leza, Juan C., CARRASCO PERERA, JOSÉ LUIS. Reduced glucocorticoid receptor expression in blood mononuclear cells of patients with borderline personality disorder. *Frontiers in Psychiatry*. 2022; 13. DOI: 10.3389/fpsy.2022.951373. FI: 5,435. (Q2).

Duch, Paula, Diaz-Valdivia, Natalia, Ikemori, Rafael, Gabasa, Marta, Radisky, Evette S., Arshakyan, Marselina, Gea-Sorli, Sabrina, Mateu-Bosch, Anna, BRAGADO DOMINGO, PALOMA, CARRASCO PERERA, JOSÉ LUIS, Mori, Hidetoshi, Ramirez, Josep, Teixido, Cristina, Reguart, Noemi, Fillat, Cristina, Radisky, Derek C., Alcaraz, Jordi. Aberrant TIMP-1 overexpression in tumor-associated fibroblasts drives tumor progression through CD63 in lung adenocarcinoma. *MATRIX BIOLOGY*. 2022; 111 (1): 207-225. DOI: 10.1016/j.matbio.2022.06.009. FI: 10,447. (D1).

LÓPEZ CUENCA, INÉS, Marcos-Dolado, Alberto, YUS FUERTES, MIGUEL, Salobrar-García, Elena, Elvira-Hurtado, Lorena, FERNÁNDEZ ALBARRAL, JOSÉ ANTONIO, SALAZAR CORRAL, JUAN JOSÉ, RAMÍREZ SEBASTIÁN, ANA ISABEL, Sanchez-Puebla, Lidia, FUENTES FERRER, MANUEL ENRIQUE, BARABASH BUSTELO, ANA MARÍA, Ramirez-Torano, Federico, Gil-Martinez, Lidia, Arrazola-Garcia, Juan, GIL GREGORIO, PEDRO, DE HOZ MONTAÑANA, ROSA, RAMÍREZ SEBASTIÁN, JOSÉ MANUEL. The relationship between retinal layers and brain areas in asymptomatic first-degree relatives of sporadic forms of Alzheimer's disease: an exploratory analysis. *ALZHEIMERS RESEARCH & THERAPY*. 2022; 14 (1). DOI: 10.1186/s13195-022-01008-5. FI: 8,823. (D1).

### New non competitive funding

ECL.21/315. EFICACIA DE UN PROGRAMA DE INTERVENCIÓN PARA REDUCIR LA CONDUCTA SUICIDA EN ADOLESCENTES CON TRASTORNOS PSIQUIÁTRICOS: UN ESTUDIO CONTROLADO ALEATORIZADO (SAM-PSYC).. PIDÍAZ MARSÁ, MARINA FRANCISCA. Funding organisation: .

ECL.19/394. SUicide PRevention and InterVEention (SURVIVE): cohort study and nested randomized controlled clinical studies of secondary prevention programs for suicide attempts. Prevención e Intervención en Suicidio (SURVIVE): estudio de cohorte y ensayos clínicos co. PIDÍAZ MARSÁ, MARINA FRANCISCA. Funding organisation: DÍAZ MARSÁ, MARINA FRANCISCA.



## NEC.3

### Psychoneuroendocrinology, Molecular Neuroimaging and Genetics in Neuropsychiatric Diseases

#### Leading researcher

Alberto Marcos Dolado

#### Members

Alberto Marcos Dolado  
 Ana María López Sobaler  
 Aranzazu Aparicio Vizuete  
 Fernando Maestu Unturbe  
 Jaime Gómez Ramírez  
 Javier Pacios García  
 Laura María Bermejo López  
 María Eugenia López García  
 María Luisa Delgado Losada  
 Pablo Cuesta Prieto  
 Patricia Villavicencio Carrillo  
 Ramón López-Higes Sánchez  
 Ricardo Bruña Fernández  
 Rosa María Ortega Anta

#### Scientific production

N° of papers (WoS)	<b>13</b>
% Open Access (N°)	<b>92%</b> (12)
% Citable Items (N°)	<b>75%</b> (9)
N° of papers JCR indexed	<b>12</b>
Q1 (citable items)	<b>56%</b> (5)
Cumulative IF	<b>45,098</b>
Average IF	<b>5,010</b>

#### Overview

The team works in a multidisciplinary way since the late 70s. Initially, it consisted of specialists from the Psychiatric, Neurophysiology, Nuclear Medicine and Endocrinology Services from the Hospital Clínico San Carlos, with a common interest in Neuroscience. Over time, the group has been structured and the participation of physicians in the Neurology and Geriatric Services has increased. Extensive clinical, teaching and research activities in different pathologies of this field have resulted from this work, the first publications appearing in 1979. Since 2000, the team has a Molecular Genetic Research Laboratory within the Research Unit of the Hospital Clínico San Carlos, and since early 2010, the chief of the Magnetoencephalography Center of the Complutense University of Madrid joined the group, responding to the current need of new technologies in the field of neuroimaging and genetics, in our line of multidisciplinary work.

## NEC.3

### Selected publications

DELGADO LOSADA, MARIA LUISA, Bouhaben, Jaime, ARROYO PARDO, EDUARDO, APARICIO VIZUETE, ARANZAZU, Lopez-Parra, Ana Maria. Loneliness, Depression, and Genetics in the Elderly: Prognostic Factors of a Worse Health Condition?. *International Journal of Environmental Research and Public Health*. 2022; 19 (23). DOI: 10.3390/ijerph192315456. FI: 4,614. (Q1).

FERNÁNDEZ LUCAS, ALBERTO, Ramirez-Torano, Federico, BRUÑA FERNANDEZ, RICARDO, Zuluaga, Pilar, Esteba-Castillo, Susanna, Abasolo, Daniel, Moldenhauer, Fernando, Shumbayawonda, Elizabeth, MAESTU UNTURBE, FERNANDO, Garcia-Alba, Javier. Brain signal complexity in adults with Down syndrome: Potential application in the detection of mild cognitive impairment. *FRONTIERS IN AGING NEUROSCIENCE*. 2022; 14 (1): -. DOI: 10.3389/fnagi.2022.988540. FI: 5,702. (Q1).

Dolores Salas-Gonzalez, María, APARICIO VIZUETE, ARANZAZU, Loria-Kohen, Viviana, Ortega, Rosa M., LOPEZ SOBALER, ANA MARIA. Association of Healthy Eating Index-2015 and Dietary Approaches to Stop Hypertension Patterns with Insulin Resistance in Schoolchildren. *NUTRIENTS*. 2022; 14 (20): -. DOI: 10.3390/nu14204232. FI: 6,706. (Q1).

### Alliances

Spanish Consortium for Ageing Normative Data: SCAND. Ramon Lopez Higuera, Marisa Delgado.

### Awads

Researcher aware: Salas-González MD, Rodríguez-Rodríguez E, Aparicio A, Bermejo LM, Loria-Kohen V, López-Sobaler AM.

Winning work: Asociación entre distintos índices de calidad de la dieta y la resistencia a la insulina en escolares españoles. Award: Premio a la mejor comunicación oral. XIV Congreso De La Sociedad Española De Nutrición Comunitaria (SENC). Segovia, 22 Octubre 2022.

### Doctorate theses

Doctoral candidate: Alba Muñoz Del Caz. Thesis title: Ingesta y situación nutricional de la población adulta española en relación al yodo. Director(s): Ana María López Sobaler. University: Universidad Complutense de Madrid.

### New competitive funding

HORIZON-INFRA-2021-TECH-01-01-101058516. Connectomics in Brain Aging and Dementia (CBA). PI: Fernando Maestu. Funding organisation: Unión Europea.

PID2021-122979OB-C21. Eficacia de la intervención combinada en cognición y neuromodulación en familiares de EA y ancianos con QSC: cognición, genética y RM. PI: Fernando Maestu. Funding organisation: Ministerio Ciencia e Innovación.

eBRAIN-Health) (101058516. Actionable Multilevel Health. PI: Maria Eugenia Lopez-Fernando Maestu. Funding organisation: Unión Europea.

### Mobility of researcher

Research mobility: Ricardo Bruña. Country: United Kingdom, Nottingham. Center: Imaging Medical Imaging Solutions GmbH entre 23/04/2022 y 23/06/2022 en el marco de un proyecto MSCA-RISE (MSCA-RISE-2020 101007521). Date of departure: 44674. Return date: 44735.



## NEC.6

### Neurological Diseases



#### Leading researcher

Jorge Matías-Guiu Guía

#### Members

Alejandro Horga Hernández  
 Alfonso Delgado Álvarez  
 Andreu Matias-Guiu Antem  
 Antonio Guerrero Sola  
 Beatriz Parejo Carbonell  
 Belén Ramírez Nicolás  
 Belén Selma Calvo  
 Fernández  
 Carlos Gómez-Escalonilla  
 Escobar  
 Clara Lastras Fernández-  
 Escandón  
 Constanza Elisabet Cuevas  
 Estancona  
 Cristina Delgado Alonso  
 Eva López Valdes  
 Fernando Alonso Frech  
 Francisco Javier Martínez  
 Orozco  
 Gema Muñoz Fernández  
 Gloria González González  
 Irene García Morales  
 Irene García Toledo  
 Javier Martínez Poles  
 Jesús Jiménez Rodríguez  
 Jesús Porta Etesam  
 Jordi Matías-Guiu Antem  
 José Antonio Egido Herrero  
 José Luis Carreras Delgado  
 José Luis González Gutiérrez  
 Juan Miguel Godoy  
 Corchuelo  
 Laura Martínez Vicente

Lidia Moreno Jiménez  
 Lucía Fernández Romero  
 Lucía Galán Dávila  
 Luis Carlos Fernández  
 Beltrán  
 Luis José López-Ibor Aliño  
 M<sup>a</sup> Luz Cuadrado Pérez  
 M<sup>a</sup> Soledad Benito Martin  
 María Díez Cirarda  
 María Inmaculada Cuenca  
 Blázquez  
 María Isabel Villalibre  
 Valderrey  
 María José Catalán Alonso  
 María Jose Gil Moreno  
 María Nieves Cabrera Martin  
 María Rocío García-Ramos  
 García  
 María Romeral Jiménez  
 María Valles Salgado  
 Marta Palacios Sarmiento  
 Pablo Mayo Rodríguez  
 Paloma Balugo Bengoechea  
 Paloma Montero Escribano  
 Patricia Simal Hernández  
 Sarah de la Fuente Martín  
 Sarai Urriaga Valle  
 Silvia Corrochano Sánchez  
 Silvia Oliver Mas  
 Susana Martín Albarrán  
 Teresa Moreno Ramos  
 Ulises Alfonso Gómez  
 Pinedo  
 Víctor Gómez Mayordomo

#### Scientific production

N° of papers (WoS)	<b>88</b>
% Open Access (N°)	<b>58%</b> (51)
% Citable Items (N°)	<b>70%</b> (60)
N° of papers JCR indexed	<b>86</b>
Q1 (citable items)	<b>47%</b> (28)
D1 (citable items)	<b>10%</b> (28)
Cumulative IF	<b>320,729</b>
Average IF	<b>5,345</b>



#### Overview

This group of researchers is composed by clinical specialists from the Neurology Service of the Hospital San Carlos and from other related services within the Institute of Neuroscience. Furthermore, they are also involved in the Clinical Neuroscience research group at UCM. The common interest of these researchers is their work on projects and research programs in neurological and neuromuscular diseases, from the methodology, epidemiology, mechanisms, clinic and therapeutics in coordination with other groups of the Institute.

## NEC.6

### Selected publications

FERNANDEZ GARCIA, CARLA, Monje, Mariana H. G., MAYORDOMO CASADO, BLANCA, Foffani, Guglielmo, Herranz, Rafael, CATALÁN ALONSO, MARÍA JOSÉ, Gonzalez-Hidalgo, Mercedes, MATÍAS-GUIU GUIA, JORGE, ALONSO FRECH, FERNANDO. Long-term directional deep brain stimulation: Monopolar review vs. local field potential guided programming. *BRAIN STIMULATION*. 2022; 15 (3): 727-736. DOI: 10.1016/j.brs.2022.04.015. FI: 9,184. (D1).

DELGADO ÁLVAREZ, ALFONSO, CABRERA MARTIN, MARIA NIEVES, Valles-Salgado, María, DELGADO ALONSO, CRISTINA, GIL MORENO, MARIA JOSE, Díez CIRARDA, MARÍA, MATÍAS-GUIU GUIA, JORGE, MATÍAS-GUIU ANTEM, JORDI. Neural basis of visuospatial tests in behavioral variant frontotemporal dementia. *FRONTIERS IN AGING NEUROSCIENCE*. 2022; 14 (1): -. DOI: 10.3389/fnagi.2022.963751. FI: 5,702. (Q1).

MATÍAS-GUIU ANTEM, JORDI, Suarez-Coalla, Paz, YUS FUERTES, MIGUEL, PYTEL, VANESA VERÓNICA, HERNANDEZ LORENZO, LAURA, DELGADO ALONSO, CRISTINA, DELGADO ÁLVAREZ, ALFONSO, GOMEZ RUIZ, MARIA NATIVIDAD, Polidura, Carmen, CABRERA MARTIN, MARIA NIEVES, MATÍAS-GUIU GUIA, JORGE, Cuetos, Fernando. Identification of the main components of spontaneous speech in primary progressive aphasia and their neural underpinnings using multimodal MRI and FDG-PET imaging. *Cortex*. 2022; 146 (1): 141-160. DOI: 10.1016/j.cortex.2021.10.010. FI: 4,644. (Q1).

### Doctorate theses

Doctoral candidate: Lidia Moreno Jiménez. Thesis title: La infusión intracerebral de líquido cefalorraquídeo de pacientes de esclerosis lateral amiotrófica en rata como modelo de difusión de la enfermedad. Director(s): Jorge Matías-Guiu Guía. University: Universidad Complutense de Madrid

### New competitive funding

JMA.M01FCM. Realización proyecto "Modulación con tDCS para fatiga originada en infección COVID. Estimulación directa transcraneal (tDCS) para el tratamiento de la fatiga persistente post-COVID-19". PI: MATÍAS-GUIU ANTEM, JORDI. Funding organisation: FUNDACION MADRIMASD PARA EL CONOCIMIENTO.

PI21/00242. Administración Intranasal de Biohíbridos de Hidrogeles con Células como Estrategia para Promover la Remielinización en Modelos Experimentales de Esclerosis Múltiple. Enfoque Preclínico. PI: GÓMEZ PINEDO, ULISES ALFONSO. Funding organisation: INSTITUTO DE SALUD CARLOS III.

PI21/01614. PET para el estudio de la mielina en la esclerosis múltiple. PI: CABRERA MARTIN, MARIA NIEVES. Funding organisation: INSTITUTO DE SALUD CARLOS III,

### New non competitive funding

ECL.19/126. Evaluación neuropsicológica transcultural. Adaptación, normalización y validación de instrumentos neuropsicológicos transculturales para la evaluación del rendimiento cognitivo. PI: Matías-Guiu Antem, Jordi.

ECL.21/207. PET para el estudio de la mielina en la esclerosis múltiple. PI: Cabrera Martin, Maria Nieves.

ECL.21/398. Registro en España del uso de los inhibidores de la COMT en el manejo de pacientes con enfermedad de Parkinson que presentan fluctuaciones motoras tempranas. estudio reonpark. PI: García-Ramos García, María Rocío.

ECL.21/507. Ensayo fase 2b, multicéntrico, aleatorizado, doble ciego, controlado con placebo y de grupos en paralelo, de la búsqueda de dosis, seguridad, tolerabilidad y eficacia de PQ912 en sujetos con deterioro cognitivo y demencia leves debidos a la enfermedad de Alzheimer. PI: Matías-Guiu Guía, Jorge.

ECL.21/524. Estudio de fase 3, de carácter pivotal, aleatorizado, en doble ciego, controlado con placebo y multicéntrico, con un período de extensión abierta, para evaluar la eficacia y la seguridad de rozanolixumab en participantes adultos con enfermedad asociada. PI: Matías-Guiu Guía, Jorge.

ECL.21/575. Efficacy, safety and tolerability of 3 doses of sulthiame in patients with obstructive sleep apnea. A randomized, double-blind, placebo-controlled, dose-ranging study. PI: Martínez Orozco, Francisco Javier.

ECL.21/655. Estudio de seguridad prospectivo, no intervencionista, a largo plazo, multinacional de cohortes de pacientes con amiloidosis hereditaria por transtiretina con polineuropatía (HATTR-PN). PI: Galán Dávila, Lucía.

ECL.21/686. Estudio de fase 2, multicéntrico, aleatorizado, doble ciego y controlado con placebo para evaluar la eficacia y la seguridad de alxn2050 en participantes adultos con miastenia grave generalizada. PI: Guerrero Sola, Antonio.

ECL.21/744. Eficacia de cenobamato para el tratamiento de las crisis focales no controladas en la cohorte esp.

### Technology transfer

BIOHÍBRIDO PARA SU USO EN LA REGENERACIÓN DE TRACTOS NEURALES. European Patent Application no. EP15869394.5 (entry into the European phase based on International Application PCT/ES2015/070909). Application date: 24/06/17. Withdrawal date: 17/8/20. Ownership: 100% FIBHCSC.

## NEC.7

### Research group on environmental factors in degenerative diseases



#### Leading researcher

Roberto Álvarez Lafuente

#### Members

Carla Rodríguez García

Isabel Ortega Madueño

María Ángel García Martínez

María Celeste García-Frontini Nieto

María Inmaculada Domínguez Mozo

María José Torrejón Martínez

Silvia Pérez Pérez

Virginia Portolés Bayod

#### Scientific production

N° of papers (WoS)	<b>14</b>
% Open Access (N°)	<b>64%</b> (9)
% Citable Items (N°)	<b>71%</b> (10)
N° of papers JCR indexed	<b>14</b>
Q1 (citable items)	<b>70%</b> (7)
Cumulative IF	<b>62,593</b>
Average IF	<b>6,259</b>



#### Overview

The main research line of the Multiple Sclerosis Research Group of the "Instituto de Investigación Sanitaria San Carlos" is the study of the implication of environmental factors in the etiopathogenesis of multiple sclerosis and its possible utility as biomarkers in the prognosis of the disease and in the response to treatment, as well as the study of the mechanisms involved in the interaction between these environmental factors and the multiple sclerosis susceptibility genetic factors. In 1997 we began a new line of pioneering research in Spain: the study of the possible involvement of herpesviruses in the etiopathogenesis of multiple sclerosis; internationally validated detection protocols and multiple collaborations have been established at national and international levels, and a number of projects have been developed that have been financed on a continuous basis both public (FIS) and privately, which has allowed us to publish More than 40 international articles on this particular topic. In recent years, the study of other environmental factors, such as the JC virus and vitamin D, and the study of human endogenous retroviruses (HERVs) have also been included. Finally, in all this time, there have been also studies of interaction between the different genetic factors of susceptibility and the environmental factors studied, in order to deepen the possible mechanisms involved in the origin of the disease.



## NEC.7

### Selected publications

DOMÍNGUEZ MOZO, MARÍA INMACULADA, Lopez-Lozano, Lorena, PÉREZ PÉREZ, SILVIA, Garcia-Martinez, Angel, TORREJÓN MARTÍNEZ, MARÍA JOSÉ, ARROYO GONZÁLEZ, RAFAEL VÍCTOR, ÁLVAREZ LAFUENTE, ROBERTO. Epstein-Barr Virus and multiple sclerosis in a Spanish cohort: A two-years longitudinal study. *FRONTIERS IN IMMUNOLOGY*. 2022; 13. DOI: 10.3389/fimmu.2022.991662. FI: 8,786. (Q1).

DOMÍNGUEZ MOZO, MARÍA INMACULADA, CASANOVA PEÑO, LUIS IGNACIO, De Torres, Laura, Aladro-Benito, Yolanda, PÉREZ PÉREZ, SILVIA, Garcia-Martinez, Angel, Gomez, Patricia, Abellan, Sara, De Antonio, Esther, Lopez-De-Silanes, Carlos, ÁLVAREZ LAFUENTE, ROBERTO. microRNA Expression and Its Association With Disability and Brain Atrophy in Multiple Sclerosis Patients Treated With Glatiramer Acetate. *FRONTIERS IN IMMUNOLOGY*. 2022; 13. DOI: 10.3389/fimmu.2022.904683. FI: 8,786. (Q1).

Pablo Cuello, Juan, Martinez Gines, Maria Luisa, Garcia Dominguez, Jose Manuel, Tejada-Velarde, Amalia, Lozano Ros, Alberto, Higuera, Yolanda, Meldana Rivera, Ariana, Goicochea Briceno, Haydee, Garcia-Tizon, Santiago, De Leon-Luis, Juan, Medina Heras, Silvia, Fernandez Velasco, Jose Ignacio, PÉREZ PÉREZ, SILVIA, GARCÍA MARTÍNEZ, MARÍA ÁNGEL, Pardo-Rodriguez, Beatriz, DOMÍNGUEZ MOZO, MARÍA INMACULADA, Garcia-Calvo, Estefania, Estevez, Hector, Luis Luque-Garcia, Jose, Maria Villar, Luisa, ÁLVAREZ LAFUENTE, ROBERTO. Short-chain fatty acids during pregnancy in multiple sclerosis: A prospective cohort study. *EUROPEAN JOURNAL OF NEUROLOGY*. 2022; 29 (3): 895-900. DOI: 10.1111/ene.15150. FI: 6,288. (Q1).

### Awards

Researcher aware: Roberto Álvarez Lafuente. Winning work: Herpesvirus Antibodies, Vitamin D and Short-Chain Fatty Acids: Their Correlation with Cell Subsets in Multiple Sclerosis Patients and Healthy Controls. Award: Premio Ramón y Cajal al mejor trabajo publicado de investigación básica en neurociencias. Asociación Madrileña de Neurología (AMN).

Researcher aware: Roberto Álvarez Lafuente. Winning work: METABOLITOS DE LA MICROBIOTA INTESTINAL Y SU INTERACCIÓN CON EL SISTEMA INMUNE DE LOS PACIENTES CON ESCLEROSIS MÚLTIPLE. Award: Premio de la Asociación Española de Esclerosis Múltiple (AELEM) al proyecto de investigación en esclerosis múltiple.

### Doctorate theses

Doctoral candidate: Silvia Pérez Pérez. Thesis title: pHERV-W ENV: implicación en la etiopatogenia de la esclerosis múltiple y transactivación por EBV y HHV-6A/B. Director(s): Roberto Álvarez Lafuente. University: UCM.

### New competitive funding

RAL.F02AELEM. METABOLITOS DE LA MICROBIOTA INTESTINAL Y SU INTERACCIÓN CON EL SISTEMA INMUNE DE LOS PACIENTES CON ESCLEROSIS MÚLTIPLE. PI: ÁLVAREZ LAFUENTE, ROBERTO. Funding organisation: ASOCIACIÓN ESPAÑOLA DE LUCHA CONTRA LA ESCLEROSIS MÚLTIPLE AELEM.

### New non competitive funding

RAL.MICINN.21. Factores ambientales y sistema inmune de los pacientes con esclerosis múltiple. Una aproximación global. PI: ÁLVAREZ LAFUENTE, ROBERTO. Funding organisation: MINISTERIO DE CIENCIA E INNOVACION.

RAL.PO4.PAIE.21. PROGRAMA DE APOYO A PROYECTOS DE INVESTIGADORES ESTABILIZADOS: Estudio de los niveles de expresión de pHERV-W ENV/SINCITINA-1 en pacientes con diabetes tipo 1. PI: ÁLVAREZ LAFUENTE, ROBERTO.

### Technology transfer

Desarrollo de anticuerpos monoclonales frente a la proteína Syncytin 1 y sus derivados para su aplicación en Citometría de flujo, inmunocitoquímica e inmunohistoquímica. ACUERDO ENTRE COTITULARES PARA LA GESTIÓN Y COMERCIALIZACIÓN DE SU INVENCIÓN PARA USOS DE INVESTIGACIÓN Y USO CLÍNICO EN DIAGNÓSTICO. Application date: 23/11/2022.

## NEC.9

### Brain Mapping



#### Leading researcher

Miguel Ángel Pozo García

#### Members

Eva M<sup>o</sup> Moreno Montes

Irene Rincón Pérez

Javier de Cristobal Blanco

José Antonio Hinojosa Poveda

Luis García García

Mercedes Delgado Wallace

Nira Hernández Martín

Pablo Bascuñana Almarcha

Rubén Fernández de la Rosa

#### Scientific production

N° of papers (WoS)	<b>7</b>
% Open Access (N°)	<b>29%</b> (2)
% Citable Items (N°)	<b>29%</b> (2)
N° of papers JCR indexed	<b>7</b>
Q1 (citable items)	<b>50%</b> (1)
D1 (citable items)	<b>50%</b> (1)
Cumulative IF	<b>10,959</b>
Average IF	<b>5,479</b>

#### Overview

Our research center possesses a broad experience in the study of brain function. Its activities provide both infrastructure and know-how services to the University community as well as to companies interested in the application of methodologies to explore brain activity. The research unit uses techniques such as electroencephalography in humans and molecular imaging microPET techniques in animals. In the EEG lab we are interested in exploring the neural and behavioral mechanisms that underlay perceptual, memory or inhibitory processes with a especial focus on high level language functions and their interaction with affective variables. The molecular imaging PET lab focuses in developing pre-clinical PET/CT imaging tools in numerous applications including: metabolic consumption imaging, physiology and functional neuroimaging and the development of new tracers for imaging. Our Brain Mapping center holds an R&D agreement with Curium Pharma Spain, which focuses on the release of new radiopharmaceuticals for PET machines and in innovative procedures for medical diagnosis in line with the latest scientific developments in the field.

## NEC.9

### Selected publications

Romero-Ferreiro, Veronica, Rodriguez-Gomez, Pablo, Pozo, Miguel Angel, MORENO MONTES, EVA M<sup>a</sup>. Can you change your mind? An ERP study of cognitive flexibility and new evidence integration. *BIOLOGICAL PSYCHOLOGY*. 2022; 172 (): -. DOI: 10.1016/j.biopsycho.2022.108354. FI: 3,111. (Q2).

Blazquez, Enrique, HURTADO CARNEIRO, VERONICA, LeBaut-Ayuso, Yannick, VELÁZQUEZ SÁNCHEZ, ESTHER, GARCÍA GARCÍA, LUIS, Gomez-Oliver, Francisca, RUIZ ALBUSAC, JUAN MIGUEL, Avila, Jesus, Angel Pozo, Miguel. Significance of Brain Glucose Hypometabolism, Altered Insulin Signal Transduction, and Insulin Resistance in Several Neurological Diseases. *Frontiers in endocrinology*. 2022; 13 (): -. DOI: 10.3389/fendo.2022.873301. FI: 6,055. (Q1).

### Awads

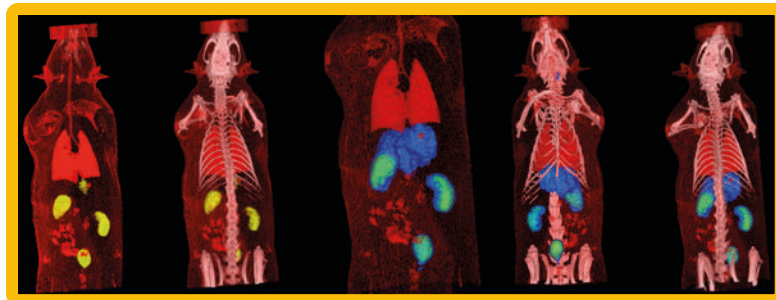
Researcher aware: Nira Hernández Martín. Winning work: [18F]FDG-PET as a tool to discover the role of astrocytes in brain metabolism. Award: EMIM2023 Poster Award.

### Doctorate theses

Doctoral candidate: Lucía Sabater Gálvez. Thesis title: Aparición y desarrollo de palabras con carga emocional en distintos grupos de edad de niños y adolescentes = Emergence and development of emotion-laden words in children and adolescents across age groups. Director(s): Miguel Ángel Pozo García. University: Universidad Complutense de Madrid.

### New competitive funding

CP21/00020. Contratos Miguel Servet: Pablo Bascuñana Almarcha. PIBASCUÑANA ALMARCHA, PABLO. Funding organisation: INSTITUTO DE SALUD CARLOS III.



## NEC.13

### Advanced Research in Personality Disorders, Aggression and Impulse Control



#### Leading researcher

Esmerilda García Delicado

#### Members

Antonio Rodríguez Artalejo  
 Beatriz Álvarez Castelao  
 Carolina Bianchi  
 Diego Bustillo Merino  
 Felipe Ortega  
 Francisco Javier Gualix Sánchez  
 Jesús Sánchez Nogueiro  
 Juan Carlos Gil Redondo  
 Luis Alcives Olivos Oré  
 M<sup>a</sup> Victoria Barahona Gomariz  
 María José Queipo Garcia  
 María Rosa Gómez Villafuertes  
 Marina Arribas Blázquez  
 Miguel Díaz Hernández  
 Ráquel Pérez Sen  
 Sergio Gascón Jiménez

#### Scientific production

N° of papers (WoS)	<b>7</b>
% Open Access (N°)	<b>100%</b> (7)
% Citable Items (N°)	<b>86%</b> (6)
N° of papers JCR indexed	<b>7</b>
Q1 (citable items)	<b>86%</b> (6)
D1 (citable items)	<b>17%</b> (1)
Cumulative IF	<b>40,303</b>
Average IF	<b>6,717</b>

#### Overview

The main focus of our research lies on the study of nucleotide receptor signalling at the the central and peripheral nervous system and its role in processes such as neuronal survival, differentiation, regeneration and plasticity. The diverse functions regulated by nucleotides are triggered by the activation of both ionotropic (P2X) and metabotropic (P2Y) receptors, widely distributed in different neuronal, astrocytic and microglial cell populations. Recently, we have described the neuroprotective properties of P2Y13 and P2X7 receptors against different apoptotic stimuli, as well as their capacity to enhance the survival function of the neurotrophin BDNF, by regulating MAPK and GSK3 signaling proteins, and dual specificity phosphatases DUSPs. In addition, these signaling mechanisms are also involved in transcriptional regulation of the P2X7 receptor and the vesicular nucleotide transporter (VNUT). A new promising research line is focused on nucleotide-mediated mechanisms regulating adult neurogenesis, cerebellar ataxia and neuropathic pain.

## NEC.13

### Selected publications

DI LAURO, CATERINA, BIANCHI, CAROLINA, SEBASTIÁN SERRANO, ÁLVARO, Soria-Tobar, Lucia, Alvarez-Castelao, Beatriz, Nicke, Annette, DÍAZ HERNÁNDEZ, MIGUEL. P2X7 receptor blockade reduces tau induced toxicity, therapeutic implications in tauopathies. *PROGRESS IN NEUROBIOLOGY*. 2022; 208. DOI: 10.1016/j.pneurobio.2021.102173. FI: 10,885. (D1).

SEBASTIÁN SERRANO, ÁLVARO, Merchan-Rubira, Jesus, DI LAURO, CATERINA, BIANCHI, CAROLINA, Soria-Tobar, Lucia, Narisawa, Sonoko L., Millan, Jose L., Avila, Jesus, Hernandez, Felix, DÍAZ HERNÁNDEZ, MIGUEL. TNAP upregulation is a critical factor in Tauopathies and its blockade ameliorates neurotoxicity and increases life-expectancy. *NEUROBIOLOGY OF DISEASE*. 2022; 165. DOI: 10.1016/j.nbd.2022.105632. FI: 7,046. (Q1).

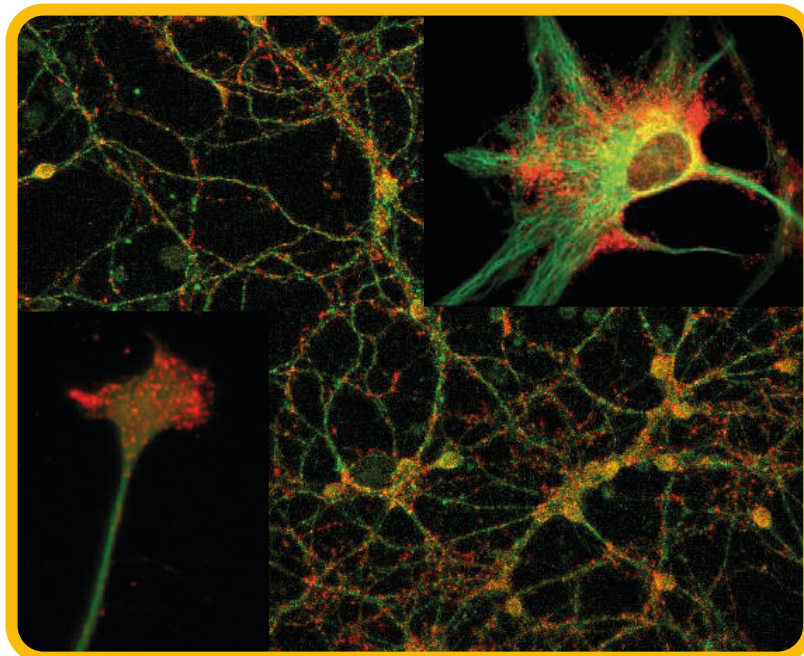
Socuellamos, Paula G., Olivos-Ore, Luis A., Barahona, Maria Victoria, Cercos, Pilar, Perez Pascual, Marta, Arribas-Blazquez, Marina, Naranjo, Jose Ramon, Valenzuela, Carmen, Gutierrez-Rodriguez, Marta, RODRÍGUEZ ARTALEJO, ANTONIO. IQM-PC332, a Novel DREAM Ligand with Antinociceptive Effect on Peripheral Nerve Injury-Induced Pain. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*. 2022; 23 (4). DOI: 10.3390/ijms23042142. FI: 6,208. (Q1).

### Doctorate theses

Doctoral candidate: Lucía Paniagua Herranza. Thesis title: La señalización purinérgica como modulador de la neurogénesis posnatal y adulta. Director(s): Esmerilda García Delicado. University.

### New competitive funding

PID2021-125364OB-I00. Investigando nuevas estrategias terapéuticas para tratar las Taupatías. PI: Miguel Diaz Hernandez. Funding organisation: Ministerio de Ciencia e Innovación.





## NEC.18

### Research in Glaucoma, Retina and Visual Pathways



#### Leading researcher

Julián García Feijó

#### Members

Ainhoa Colina Jareño  
 Alicia Valverde Megias  
 Ana Isabel Ramírez Sebastián  
 Ana María Fernández Vidal  
 Ángel Romo López  
 Bárbara Burgos Blasco  
 Beatriz Vidal Villegas  
 Carlos Perálvarez Conde  
 Carmen Dora Méndez Hernández  
 Catalina Palomo Álvarez  
 Celia Villanueva Gómez-Chacón  
 Consuelo López Abad  
 Cristina Calvo González  
 Cristina Niño Rueda  
 David Díaz Valle  
 Elena Moreno López  
 Elena Salobar García Martín  
 Enrique Santos Bueso  
 Eva Vico Ruíz  
 Federico Sáenz-Frances  
 San Baldomero  
 Gema Felipe Márquez  
 Inés López Cuenca  
 Jesús Carballo Álvarez  
 José A. Fernández Albarral  
 José Antonio Gegúndez Fernández  
 José Ignacio Fernández-Vigo  
 Escribano  
 José Manuel Benítez del Castillo Sánchez

José Manuel Ramírez Sebastián  
 José María Martínez de la Casa Fernández Borrella  
 José María Vázquez Molini  
 Juan Carlos Sanz Fernández  
 Juan Donate López  
 Juan José Salazar Corral  
 Juan Reche Frutos  
 Juan Troyano Rivas  
 Julián García Feijó  
 Lara Borrego Sanz  
 Laura Morales Fernández  
 Lorenzo López Guajardo  
 Lydia Medina Ramírez  
 M<sup>o</sup> Jesús Escobar Moreno  
 María Aurelia Jiménez Santos  
 María Liseth Salazar Quiñones  
 María Rosalía Méndez Fernández  
 María Teresa Iradier Urrutia  
 Noemí Güemes Villahoz  
 Nuria Garzón Jiménez  
 Pedro Arriola Villalobos  
 Ramón Torres Imaz  
 Ricardo Cuiña Sardiña  
 Rosa de Hoz Montañana  
 Rosario Gómez de Liaño  
 Rubén Sánchez Jean  
 Sara García Caride  
 Sofía García Sáenz  
 Teresa Martín Orte  
 Vanessa Andrés Guerrero

#### Scientific production

Nº of papers (WoS)	<b>76</b>
% Open Access (Nº)	<b>50%</b> (38)
% Citable Items (Nº)	<b>69%</b> (47)
Nº of papers JCR indexed	<b>68</b>
Q1 (citable items)	<b>28%</b> (13)
D1 (citable items)	<b>6%</b> (3)
Cumulative IF	<b>183,538</b>
Average IF	<b>3,905</b>



#### Overview

The Ophthalmology research group is a well-established group at a national and international level. The Department of Ophthalmology at HCSC works closely with the "Ramón Castroviejo" (UCM) Ophthalmological Research Institute and is part of the Thematic Network of the Cooperative Research at ISCIII "ocular pathology RD 07/0062 Project: Ocular pathology of aging, visual quality and quality of life" of the Ophthalmology Department. The group also integrates the UCM-CAM (Design and evaluation of ophthalmic products and materials) research group, together with the Department of Pharmaceutical Technology of the Faculty of Pharmacy at UCM.

The main lines of work consist on the development and evaluation of anti-glaucoma therapies, both at a medical and surgical level, the evaluation and development of diagnostic technologies in ophthalmology, and the evaluation of treatments for AMD. Development of new vehicles for the treatment of ophthalmic diseases.

# NEC.18

## Selected publications

FERNÁNDEZ ALBARRAL, JOSÉ ANTONIO, Salobar-Garcia, Elena, Matamoros, Jose A., Fernandez-Mendivil, Cristina, del Sastre, Eric, TUNG CHEN, YALE, DE HOZ MONTAÑANA, ROSA, LÓPEZ CUENCA, INÉS, Sanchez-Puebla, Lidia, RAMÍREZ SEBASTIÁN, JOSÉ MANUEL, SALAZAR CORRAL, JUAN JOSÉ, Lopez, Manuela G., RAMÍREZ SEBASTIÁN, ANA ISABEL. Microglial Hemoxigenase-1 Deletion Reduces Inflammation in the Retina of Old Mice with Tauopathy. *ANTIOXIDANTS*. 2022; 11 (11): -. DOI: 10.3390/antiox11112151. FI: 7,675. (D1).

LÓPEZ CUENCA, INÉS, Marcos-Dolado, Alberto, YUS FUERTES, MIGUEL, Salobar-Garcia, Elena, Elvira-Hurtado, Lorena, FERNÁNDEZ ALBARRAL, JOSÉ ANTONIO, SALAZAR CORRAL, JUAN JOSÉ, RAMÍREZ SEBASTIÁN, ANA ISABEL, Sanchez-Puebla, Lidia, FUENTES FERRER, MANUEL ENRIQUE, BARABASH BUSTELO, ANA MARÍA, Ramirez-Torano, Federico, Gil-Martinez, Lidia, Arrazola-Garcia, Juan, GIL GREGORIO, PEDRO, DE HOZ MONTAÑANA, ROSA, RAMÍREZ SEBASTIÁN, JOSÉ MANUEL. The relationship between retinal layers and brain areas in asymptomatic first-degree relatives of sporadic forms of Alzheimer's disease: an exploratory analysis. *ALZHEIMERS RESEARCH & THERAPY*. 2022; 14 (1). DOI: 10.1186/s13195-022-01008-5. FI: 8,823. (D1).

BURGOS BLASCO, BARBARA, GÜEMES VILLAHOZ, NOEMÍ, MORALES FERNÁNDEZ, LAURA, Callejas-Caballero, Ignacio, PEREZ GARCIA, MARIA PALOMA, DONATE LÓPEZ, JUAN, RAMOS AMADOR, JOSE TOMAS, GARCÍA FEIJOÓ, JULIÁN. Retinal nerve fibre layer and ganglion cell layer changes in children who recovered from COVID-19: a cohort study. *ARCHIVES OF DISEASE IN CHILDHOOD*. 2022; 107 (2): 175-179. DOI: 10.1136/archdischild-2021-321803. FI: 4,92. (Q1).

## Awards

Researcher aware: BURGOS BLASCO, BARBARA. Award: IX Premio a la Excelencia para Residentes Hospital Clínico San Carlos - Primer premio.

Researcher aware: GARCÍA FEIJOÓ, JULIÁN. Award: Premios Castroviejo 2022.

Researcher aware: JUAN DONATE LOPEZ. Winning work: Refinement of a screening algorithm based on artificial intelligence for the detection of diabetic retinopathy in real clinical practice.. Award: Best ePoster. Euretina Congress. European Society of Retina Specialists.

## Clinical practice guidelines

FERNÁNDEZ-VIGO ESCRIBANO, JOSÉ IGNACIO, Contreras, Ines, Crespo, Maria Jose, Beckford, Carlos, Flores-Moreno, Ignacio, Cobo-Soriano, Rosario, Pareja, Jesus, Martin, Maria Dolores, Moreno, Luis, Arrevola-Velasco, Luis. Expert Panel Consensus for Addressing Anti-VEGF Treatment Challenges of Diabetic Macular Edema in Spain. *CLINICAL OPHTHALMOLOGY*. 2022. Editorial: DOVE MEDICAL PRESS LTD. ISBN/DOI: 10.2147/OPHT.S374763.

## Doctorate theses

Doctoral candidate: María Pilar Rojas Lozano. Thesis title: Neurodegeneración ocular en enfermedades neuromusculares: relación entre el grado de discapacidad neurológica y la afectación visual en pacientes con Ataxia de Friedreich o Esclerosis Lateral Amiotrófica Ocular = neurodegeneration in neuromuscular diseases: Relationship between the degree of neurological disability and visual impairment in patients with Friedreich's Ataxia or Amyotrophic Lateral Sclerosis. Director(s): José Manuel Ramírez Sebastián. University: UNIVERSIDAD COMPLUTENSE DE MADRID.

Doctoral candidate: Basilio Moreno García. Thesis title: El Instituto Oftálmico en la prensa madrileña desde su fundación hasta la Guerra Civil Española. Director(s): Juan José Salazar Corral. University: UNIVERSIDAD COMPLUTENSE DE MADRID.

Doctoral candidate: Beatriz Martín García. Thesis title: Estudio de la superficie ocular en población pediátrica. Director(s): María Rosario Gómez de Liaño. University: UNIVERSIDAD COMPLUTENSE DE MADRID.

Doctoral candidate: Yanchen Chen. Thesis title: Comparación de la capacidad diagnóstica de los nuevos softwares de SD-OCT Cirrus y Spectralis. Director(s): José María Martínez de la Casa. University: UNIVERSIDAD COMPLUTENSE DE MADRID.

Doctoral candidate: Zicheng Wang. Thesis title: Estudio de correlación entre citoquinas proinflamatorias en lágrima y humor acuoso con el edema macular cistoide postcirugía de catarata. Director(s): José María Martínez de la Casa. University: UNIVERSIDAD COMPLUTENSE DE MADRID.

Doctoral candidate: Manuel José García Martín. Thesis title: Edema macular cistoide secundario al uso de retractores de iris en la cirugía de la catarata con dilatación pupilar insuficiente. Director(s): Julián García Feijóo. University: UNIVERSIDAD COMPLUTENSE DE MADRID.

Doctoral candidate: Cristian Manuel Carranza Neira. Thesis title: Comparación de costes del tratamiento del Chalación: inyección de Triamcinolona versus incisión y curetaje. Director(s): José María Martínez de la Casa. University: UNIVERSIDAD COMPLUTENSE DE MADRID.

Doctoral candidate: Bárbara Burgos Blasco. Thesis title: Estudio del perfil de citoquinas en la lágrima y el humor acuoso de pacientes con glaucoma. Director(s): José María Martínez de la Casa. University: UNIVERSIDAD COMPLUTENSE DE MADRID.

Doctoral candidate: María José Crespo Carballés. Thesis title: Modificación de la técnica de flap invertido en la cirugía del agujero macular completo: estudio anatómico y funcional. Director(s): Rosa de Hoz. University: UNIVERSIDAD COMPLUTENSE DE MADRID.

Doctoral candidate: Patricia María Toro Utrera. Thesis title: Características morfológicas, biomecánica y tonometría comparada en queratoplastia. Director(s): Julián García Feijóo. University: UNIVERSIDAD COMPLUTENSE DE MADRID.

## NEC.18

Doctoral candidate: Lis Arrevola Velasco. Thesis title: Prevalencia a 10 años del desprendimiento de retina regmatógeno en pacientes miopes intervenidos de cirugía refractiva con laser excimer o lente faquica de cámara posterior. Director(s): José María Martínez de la Casa. University: UNIVERSIDAD COMPLUTENSE DE MADRID.

Doctoral candidate: María Mercedes Alarcón Tomás. Thesis title: Validación de la pantalla plana para el estudio de las ducciones y el campo de visión binocular única en sujetos sanos y pacientes con orbitopatía de grave. Director(s): María Rosario Gómez de Liaño. University: UNIVERSIDAD COMPLUTENSE DE MADRID.

Doctoral candidate: Noemi Güemes Villahoz. Thesis title: Manifestaciones oftálmicas asociadas a la enfermedad por coronavirus (COVID-19). Director(s): Julián García Fejoo. University: UNIVERSIDAD COMPLUTENSE DE MADRID.

### New competitive funding

INT21/00083. Contratos para la intensificación de la actividad investigadora del SNS: José María Martínez de la Casa. PI: MARTÍNEZ DE LA CASA FERNÁNDEZ BORRELLA, JOSÉ MARÍA. Funding organisation: INSTITUTO DE SALUD CARLOS III.

### New non competitive funding

ECL.19/402. ANALISIS DE LAS BASES GENÉTICAS Y MOLECULARES DEL GLAUCOMA CONGÉNITO Y JUVENIL: IMPLICACIONES DIAGNÓSTICAS Y TERAPÉUTICAS. PI: MARTÍNEZ DE LA CASA FERNÁNDEZ BORRELLA, JOSÉ MARÍA. Funding organisation: MARTÍNEZ DE LA CASA FERNÁNDEZ BORRELLA, JOSÉ MARÍA.

ECL.20/030. Multicentric Post-Market Clinical Follow-up (PMCF) Investigation to Determine Safety and Efficacy of a Hydrophobic EDOF Intraocular Lens (IOL) in Comparison to a Monofocal IOL. PI: GARCIA BELLA, JAVIER.

ECL.20/068. Eficacia, seguridad y farmacocinética (FC) de 3 dosis de colirio REC 0/0559 para el tratamiento de la queratitis neurotrófica (NQ) en estadios II (moderada) y III (grave) en pacientes adultos. PI: BENÍTEZ DEL CASTILLO SÁNCHEZ, JOSÉ MANUEL.

ECL.20/699. PERFECCIONAMIENTO, AMPLIACIÓN Y VALIDACIÓN DEL ALGORITMO "LAGUNA ONhE", PARA EVALUAR LA HEMOGLOBINA DEL NERVIÓ ÓPTICO CON BIG DATA Y MACHINE LEARNING. PI: MÉNDEZ HERNÁNDEZ, CARMEN DORA.

ECL.21/098. ESTUDIO DE FASE 3, DE DOS PARTES (ABIERTA, SEGUIDA POR OTRA ALEATORIZADA, EN DOBLE CIEGO Y CONTROLADA CON TRATAMIENTO ACTIVO), PARA COMPARAR LA EFICACIA Y LA SEGURIDAD DE HLX04-O ADMINISTRADO POR INYECCIÓN INTRAVÍTREA FRENTE A RANIBIZUMAB EN SUJETOS CON D. PI: DONATE LÓPEZ, JUAN.

ECL.21/216. ESTUDIO DE LAS ALTERACIONES OCULARES EN LA ALOPECIA AREATA Y SUS CAMBIOS CON EL TRATAMIENTO. PI: BURGOS BLASCO, BARBARA.

ECL.21/255. PROSPECTIVE, RANDOMIZED, MULTICENTER STUDY TO COMPARE THE SAFETY AND EFFECTIVENESS OF THE OMNI® SURGICAL SYSTEM AND THE ISENT INJECT IN PSEUDOPHAKIC EYES WITH OPEN ANGLE GLAUCOMA. THE TRIDENT EUROPEAN TRIAL. ESTUDIO PROSPECTIVO, ALEATORIZADO Y MULTICÉNTR. PI: GARCÍA FEIJOÓ, JULIÁN.

ECL.21/305. ESTUDIO EN FASE III, ALEATORIZADO, CON DOBLE CIEGO Y MULTICÉNTRICO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE OPT-302 INTRAVÍTREO EN COMBINACIÓN CON RANIBIZUMAB, COMPARADO CON RANIBIZUMAB EN MONOTERAPIA, EN PARTICIPANTES CON DEGENERACIÓN MACULAR ASOCIADA. PI: DONATE LÓPEZ, JUAN.

ECL.21/306. ESTUDIO DE FASE II DE LA SEGURIDAD DE LAS CÉLULAS MADRE MESENQUIMALES MSV® (PEI: 15-007) EN INYECCIÓN INTRAVÍTREA PARA EL TRATAMIENTO DE PACIENTES CON NEUROPATÍA ÓPTICA ISQUÉMICA ANTERIOR NO ARTERÍTICA AGUDA. PI: SANTOS BUESO, ENRIQUE.

ECL.21/522. ENSAYO CLÍNICO ALEATORIZADO PARALELO POSTCOMERCIALIZACIÓN, PARA DETERMINAR LA EFICACIA Y SEGURIDAD DE ATROPINA Y LENTES DIMS EN EL CONTROL DE LA MIOPIA EN POBLACIÓN PEDIÁTRICA. PI: GÜEMES VILLAHUZ, NOEMÍ.

ECL.21/649. "ESTUDIO DE FASE IIIB, MULTICÉNTRICO, ALEATORIZADO, ENMASCARADO PARA EL EVALUADOR VISUAL, PARA EVALUAR LA EFICACIA Y SEGURIDAD DE RANIBIZUMAB ADMINISTRADO CON EL DISPOSITIVO PORT DELIVERY SYSTEM UTILIZANDO UNA PAUTA DE RECARGA CADA 36 SEMANAS, COMPARADO C. PI: DONATE LÓPEZ, JUAN.

ECL.21/664. ESTUDIO PARA LA EVALUACIÓN DE RESULTADOS VISUALES Y SATISFACCIÓN DEL PACIENTE TRAS IMPLANTE DELENTE INTRAOCULAR MONOFOCAL AVANZADA. PI: GARCIA BELLA, JAVIER.

ECL.21/752. ESTUDIO CLÍNICO MULTICÉNTRICO PARA DETERMINAR LA SEGURIDAD Y LA EFICACIA DE UNALENTE INTRAOCULAR (LIO) TRIFOCALE ACRÍLICO HIDROFÓBICO. PI: GARCIA BELLA, JAVIER.

ECL.21/754. UN ESTUDIO PROSPECTIVO, ABIERTO Y MULTICÉNTRICO QUE ANALIZA LA SEGURIDAD A LARGO PLAZO DE LOS IMPLANTES DE MINJECT PARA GLAUCOMA EN PACIENTES CON GLAUCOMA DE ÁNGULO ABIERTO NO CONTROLADO CON MEDICAMENTOS HIPOTENSORES TÓPICOS - STAR-GLOBAL (ISM09). PI: GARCÍA FEIJOÓ, JULIÁN.

ECL.21/779. ESTUDIO DE FASE II, MULTICÉNTRICO, ALEATORIZADO, DOBLE CIEGO Y CONTROLADO CON TRATAMIENTO ACTIVO PARA INVESTIGAR LA EFICACIA, SEGURIDAD, TOLERABILIDAD, FARMACOCINÉTICA Y FARMACODINÁMICA DE RO7200220 ADMINISTRADO EN COMBINACIÓN CON RANIBIZUMAB POR VÍA INTR. PI: DONATE LÓPEZ, JUAN.

ECL.21/797. ESTUDIO DE FASE II, MULTICÉNTRICO, ALEATORIZADO, DOBLE CIEGO CONTROLADO CON TRATAMIENTO ACTIVO PARA INVESTIGAR LA EFICACIA, SEGURIDAD, TOLERABILIDAD, FARMACOCINÉTICA Y FARMACODINÁMICA DE RO7200220 ADMINISTRADO POR VÍA INTRAVÍTREA EN PACIENTES CON EDEMA MA. PI: DONATE LÓPEZ, JUAN.

## NEC.18

ECL.22/089. MULTICENTRIC, RANDOMIZED, COMPARATIVE CLINICAL STUDY ON THE EVALUATION OF THE EFFICACY AND SAFETY OF NEOVIS® TOTAL MULTI VERSUS SYSTANE® BALANCE ON THE TREATMENT OF OCULAR DRYNESS ASSOCIATED WITH MEIBOMIAN GLAND DYSFUNCTION. ESTUDIO CLÍNICO MULTICÉNTRICO. PI: BENÍTEZ DEL CASTILLO SÁNCHEZ, JOSÉ MANUEL.

ECL.22/211. ENSAYO CLÍNICO ALEATORIZADO PARALELO PARA DETERMINAR LA EFICACIA Y SEGURIDAD DEL COLIRIO DE INSULINA EN EL TRATAMIENTO DEL OJO SECO EN PACIENTES CON OJO SECO. PI: BURGOS BLASCO, BARBARA.

ECL.22/285. ESTUDIO PROSPECTIVO OBSERVACIONAL DE LA EXPRESIÓN DE MOLÉCULAS RELACIONADAS CON LA INFLAMACIÓN Y EL DAÑO CELULAR COMO MARCADORES DIAGNÓSTICOS DE LA PRESENCIA Y PROGRESIÓN DE ECTASIAS CORNEALES. PI: CUIÑA SARDIÑA, RICARDO.

ECL.22/303. PRIMER ESTUDIO EN HUMANOS PARA EVALUAR LA SEGURIDAD Y TOLERABILIDAD DEL AUMENTO DE

DOSIS INTRAVÍTREAS ÚNICA (ABIERTO, NO ALEATORIZADO, NO CONTROLADO) Y ADEMÁS LA RESPUESTA BIOLÓGICA TEMPRANA DE DOSIS INTRAVÍTREAS MÚLTIPLES (DOBLE CIEGO, ALEATORIZADO, CONT. PI: DONATE LÓPEZ, JUAN.

ECL.22/405. ESTABILIDAD Y RESULTADOS VISUALES OBTENIDOS POR UNA NUEVA LENTE INTRAOCULAR TRIFOCAL TÓRICA, CLAREON PANOPTIX EN CIRUGÍA DE CATARATAS. PI: GARCÍA FEIJOÓ, JULIÁN.

ECL.22/445. UN ENSAYO CLÍNICO PROSPECTIVO, ABIERTO Y MULTICÉNTRICO QUE EVALÚA LA EFICACIA Y SEGURIDAD DEL SISTEMA INTEGRADO MINIJECT CS627 COMBINADO CON LA CIRUGÍA DE CATARATAS EN SUJETOS CON GLAUCOMA DE ÁNGULO ABIERTO NO CONTROLADO POR MEDICAMENTOS HIPOTENSORES TÓPI. PI: GARCÍA FEIJOÓ, JULIÁN.

ECL.22/487. TIVANISIRAN PARA EL OJO SECO EN SUJETOS CON SÍNDROME DE SJÖGREN. PI: BENÍTEZ DEL CASTILLO SÁNCHEZ, JOSÉ MANUEL.

## NEC.20

### Neurotransmission and Neuromodulation in the Central and Peripheral Nervous System



#### Leading researcher

Magdalena Torres Molina

#### Members

- Alberto Rampérez Martín
- Alberto Sánchez-Aguilera López
- Ángeles García Pascual
- Asunción Colino Matlla
- Domingo Triguero Robles
- José Sánchez-Prieto Borja
- María Jesús Oset Gasque
- M<sup>o</sup> Ángeles Vicente Torres
- Nuria García Font
- Ricardo Martín Herránz

Scientific production	
N° of papers (WoS)	<b>3</b>
% Open Access (N°)	<b>100%</b> (3)
% Citable Items (N°)	<b>100%</b> (3)
N° of papers JCR indexed	<b>3</b>
Q1 (citable items)	<b>100%</b> (3)
D1 (citable items)	<b>67%</b> (2)
Cumulative IF	<b>62,386</b>
Average IF	<b>20,795</b>



#### Overview

The Neurotransmission and Neuromodulation group at CNS is a basic research group composed by professors from the Departments of Biochemistry of the Faculty of Veterinary Medicine and Pharmacy and from the Department of Physiology of the Faculty of Medicine of the UCM, and several granted or contracted pre- or post-doctoral students.

The general objective is to study the basic mechanisms of excitability, neurotransmission and neuromodulation using different cellular (primary cultures of cerebellar granular neurons, cortical neurons) and animal models. Knowledge of these basic mechanisms is essential to understand the alterations of synaptic transmission in pathologies such as fragile X syndrome (XFS) and epilepsy. We use different experimental approaches (electrophysiological, biochemical, molecular biology, imaging and behavioral techniques) thanks to the multidisciplinary training of the members of the group, and to different national and international collaborations.



## NEC.20

### Selected publications

ORVIZ GARCÍA, EVA, Negro, Anabel, AYERDI AGUIRREBENGOA, OSKAR, Vazquez, Ana, Munoz-Gomez, Ana, Monzon, Sara, CLAVO ESCRIBANO, PETUNIA, Zaballo, Angel, VERA GARCÍA, M<sup>a</sup> DEL MAR, Sanchez, Patricia, CABELLO CLOTET, NOEMI, Jimenez, Pilar, Perez-Garcia, Jorge A., Varona, Sarai, DEL ROMERO GUERRERO, JORGE, Cuesta, Isabel, DELGADO-IRIBARREN GARCIA-CAMPERO, ALBERTO, TORRES MOLINA, MAGDALENA, SAGASTAGOITIA FORNIE, ÍÑIGO, Palacios, Gustavo, ESTRADA PÉREZ, VICENTE, Sanchez-Seco, Maria Paz, Grp Viruela Simio Madrid CNM. Monkeypox outbreak in Madrid (Spain): Clinical and virological aspects. *JOURNAL OF INFECTION*. 2022; 85 (4): 412-417. DOI: 10.1016/j.jinf.2022.07.005. FI: 38,637. (D1).

Mico, Víctor, San-Cristobal, Rodrigo, MARTÍN HERRANZ, RICARDO, Martinez-Gonzalez, Miguel Angel, Salas-Salvado, Jordi, Corella, Dolores, Fito, Montserrat, Alonso-Gomez, Angel M., Warnberg, Julia, Vioque, Jesus, Romaguera, Dora, Lopez-Miranda, Jose, Estruch, Ramon, Tinahones, Francisco J., Lapetra, Jose, Serra-Majem, J. Luis, Bueno-Cavanillas, Aurora, Tur, Josep A., Sanchez, Vicente Martin, Pinto, Xavier, Delgado-Rodriguez, Miguel, MATÍA MARTÍN, MARÍA PILAR, Vidal, Josep, Vazquez, Clotilde, Garcia-Arellano, Ana, Pertusa-Martinez, Salvador, Chaplin, Alice, Garcia-Rios, Antonio, Bravo, Carlos Munoz, Schroder, Helmut, Babio, Nancy, Sorli, Jose, Gonzalez, Jose, Martinez-Urbistondo, Diego, Toledo, Estefania, Bullon,

Vanessa, Ruiz-Canela, Miguel, Puy-Portillo, Maria, Macias-Gonzalez, Manuel, Perez-Diaz-Del-Campo, Nuria, Garcia-Gavilan, Jesus, Daimiel, Lidia, Martinez, J. Alfredo. Morbid liver manifestations are intrinsically bound to metabolic syndrome and nutrient intake based on a machine-learning cluster analysis. *Frontiers in endocrinology*. 2022; 13. DOI: 10.3389/fendo.2022.936956. FI: 6,055. (Q1).

Hernandez-Vivanco, Alicia, Cano-Adamuz, Nuria, SÁNCHEZ-AGUILERA LÓPEZ, ALBERTO, Gonzalez-Alonso, Alba, Rodriguez-Fernandez, Alberto, Azcoitia, Inigo, de la Prida, Liset Menendez, Mendez, Pablo. Sex-specific regulation of inhibition and network activity by local aromatase in the mouse hippocampus. *NATURE COMMUNICATIONS*. 2022; 13 (1). DOI: 10.1038/s41467-022-31635-3. FI: 17,694. (D1).

### New competitive funding

PR27/21-016. Disección del circuito hipocampal: excitabilidad neuronal y conectividad sináptica en el eje superficial-profundo. PI: Alberto Sánchez-Aguilera. Funding organisation: Comunidad de Madrid - UCM.

PID2021-122723OA100. Contribution of protein ectodomain shedding to autism spectrum disorders. PI: M<sup>a</sup>Dolores Martín de Saavedra. Funding organisation: Agencia Estatal de Investigación (Ministerio de Ciencia e Innovación).

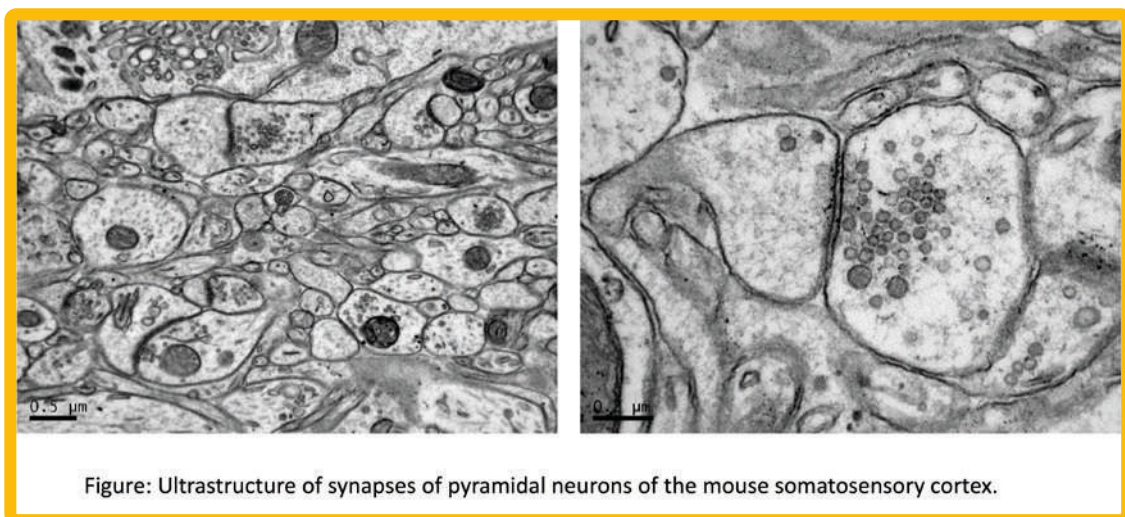


Figure: Ultrastructure of synapses of pyramidal neurons of the mouse somatosensory cortex.

## NEC.22

### Pathophysiology and INA Neurological Therapeutics (NEURO-INA-IN)



#### Leading researcher

José Martínez Orgado

#### Members

Adrián García Ron  
 Alysha Susana Drisell Hernández Montiel  
 Ángela Romero Sánchez  
 Araceli Corredera Sánchez  
 Belén Joyanes Abancens  
 Belén Ordóñez Miyar  
 Carmen Soto Beauregard  
 Cristina Cortés Ledesma  
 Esther Aleo Luján  
 Gloria Herránz Carrillo  
 Jaime Rodríguez de Alarcón  
 Laura Silva Colmenar  
 Luis Arruza Gómez  
 M<sup>a</sup> José Rodríguez Castaño  
 María de Hoz Rivera  
 María Isabel Armada Maresca  
 María Martínez Vega  
 María Villa Cruz  
 Marta Ordax Soler  
 Nadia Flores Hermosa  
 Nerea Huertos Soto  
 Niki Oikonomopoulou  
 Raquel Vecino López  
 Teresa de Santos Moreno

#### Scientific production

Nº of papers (WoS)	<b>15</b>
% Open Access (Nº)	<b>67%</b> (10)
% Citable Items (Nº)	<b>93%</b> (13)
Nº of papers JCR indexed	<b>14</b>
Q1 (citable items)	<b>54%</b> (7)
D1 (citable items)	<b>15%</b> (2)
Cumulative IF	<b>68,076</b>
Average IF	<b>5,237</b>

#### Overview

The group is oriented towards the prevention and treatment of newborn brain damage with two different approaches: clinical and experimental. The clinical approach relies on the concept of neonatal neurocritical care, based on the multidisciplinary management of newborns at risk as well as a willingness to participate in frontier therapies. The experimental approach relies on the implementation of different animal models of newborn brain injury, studying the pathophysiology of brain damage as well as the efficacy of novel therapies. In this regard, the group is particularly focused on non-euphoric cannabinoid-based treatments. Group studies include those extra-cerebral organs affected by and affecting newborn brain conditions. The group research is supported by strategic alliances with national and international leading groups and public competitive and pharmaceutical industry-based funding.

## NEC.22

### Selected publications

Gordon, Jose, ARRUZA GÓMEZ, LUIS, Dolores Ibanez, Maria, Moreno-Guzman, Maria, Angel Lopez, Miguel, Escarpa, Alberto. On the Move-Sensitive Fluorescent Aptassay on Board Catalytic Micromotors for the Determination of Interleukin-6 in Ultra-Low Serum Volumes for Neonatal Sepsis Diagnostics. *ACS Sensors*. 2022; 7 (10): 3144-3152. DOI: 10.1021/acssensors.2c01635. FI: 9,618. (D1).

Barata, Lorena, de Hoz-Rivera, Maria, ROMERO ALFONSO, ATOCHA, Martinez, Maria, SILVA COLMENAR, LAURA, VILLA CRUZ, MARÍA, Campa, Leticia, Jimenez-Sanchez, Laura, MARTINEZ ORGADO, JOSE. Role of 5HT1A Receptors in the Neuroprotective and Behavioral Effects of Cannabidiol in Hypoxic-Ischemic Newborn Piglets. *FRONTIERS IN PHARMACOLOGY*. 2022; 13 (1): -. DOI: 10.3389/fphar.2022.925740. FI: 5,988. (Q1).

DEL POZO SANZ, AARON, SILVA COLMENAR, LAURA, ROMERO ALFONSO, ATOCHA, DE HOZ RIVERA, MARÍA, VILLA CRUZ, MARÍA, Martinez-Vega, Maria, Eugenia Prados, Maria, Munoz, Eduardo, MARTINEZ ORGADO, JOSE. Neuroprotective Effects of Betulinic Acid Hydroxamate in Intraventricular Hemorrhage-Induced Brain Damage in Immature Rats. *NUTRIENTS*. 2022; 14 (24): -. DOI: 10.3390/nu14245286. FI: 6,706. (Q1).

### Awards

Researcher aware: María de Hoz Rivera. Winning work: INVOLVEMENT OF CB2 RECEPTORS IN CANNABIDIOL NEUROPROTECTION AFTER INTRAVENTRICULAR HEMORRHAGE IN IMMATURE RATS. Award: Premio al mejor póster en la XXII Reunión Anual de la Sociedad Española de Investigación en Cannabinoides.

### Doctorate theses

Doctoral candidate: María Alvarez García. Thesis title: Sintomatología depresiva y problemas de ajuste comportamental en preescolares tras hipoxia-isquemia neonatal. Director(s): Purificación Sierra García. University: UNED.

Doctoral candidate: María Villa Cruz. Thesis title: Trastornos de los estados de ánimo secundarios al infarto cerebral neonatal en un modelo en rata. Eficacia terapéutica del cannabidiol. Director(s): José Martínez Orgado. University: UCM.

### New competitive funding

RD21/0012/0026. PRIMARY CARE INTERVENTIONS TO PREVENT MATERNAL AND CHILD CHRONIC DISEASES OF PERINATAL AND DEVELOPMENTAL ORIGIN. PI: MARTINEZ ORGADO, JOSE. Funding organisation: INSTITUTO DE SALUD CARLOS III.

### New non competitive funding

EAL.M01CHI. Desarrollo de un modelo de recogida de información sanitaria relativa a los procesos de la Unidad de Hospitalización Domiciliaria Neonatal (NEO DAT). PI: ALEO LUJAN, ESTHER; LUACES MENDEZ, MARÍA. Funding organisation: CHIESI ESPAÑA SA.

ECL.20/249. Prophylactic treatment of the ductus arteriosus in preterm infants by acetaminophen. PI: CORREDERA SANCHEZ, ARACELI.

ECL.22/220. ESTUDIO EN FASE III, ALEATORIZADO, DOBLE CIEGO, CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE RIMEGEPANT EN LA PREVENCIÓN DE LA MIGRAÑA EN NIÑOS Y ADOLESCENTES DE  $\geq 6$  A  $< 18$  AÑOS DE EDAD. PI: DE SANTOS MORENO, TERESA.



# Oncology



# ONC



# Oncology

## Groups

**ONC.1** Clinical and Translational Research in Oncology

**ONC.2** Cancer and Obesity

**ONC.3** Pathological Anatomy

**ONC.4** Cell Signaling Mechanisms during Development and Tumor Progression

**ONC.5** Cannabinoid Signaling in Tumor Cells

**ONC.6** Women's Health Research Group



## ANNUAL GOALS

Promote international collaboration



Completed

Reinforce the equipment of the Genomics Unit. Molecular Oncology Laboratory (LABINMUNO)



Completed

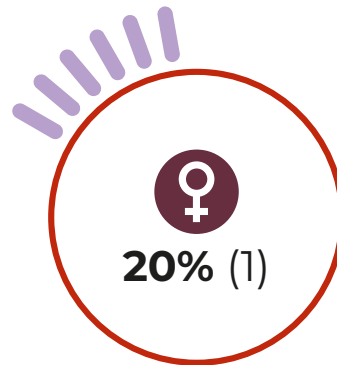
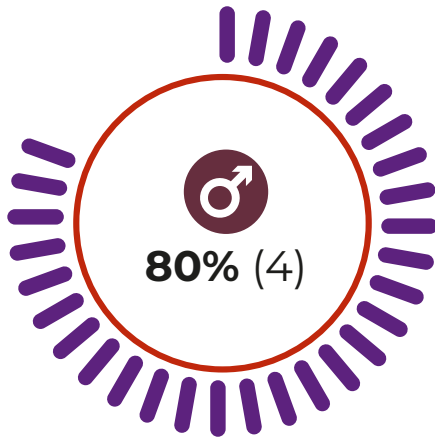
Promote gender equality and equal opportunities



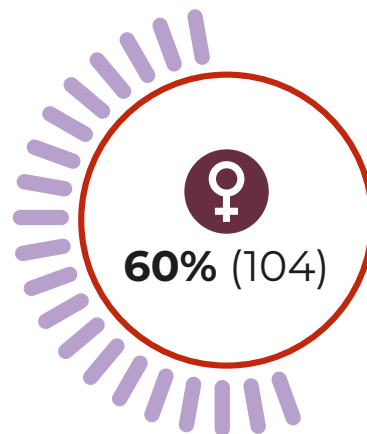
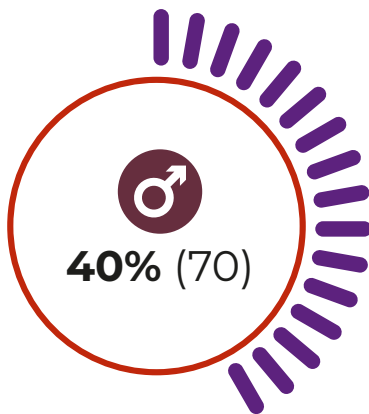
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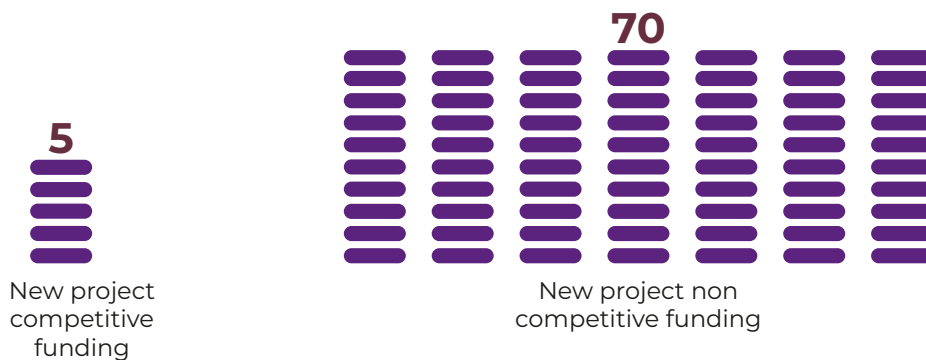
## Group lead researchers



## Accumulated Total professionals in the area



## Activity



**Scientific production**

Nº of papers  
(WoS)

**237**

% OA

**73.41**

Nº of citable  
items

**175**

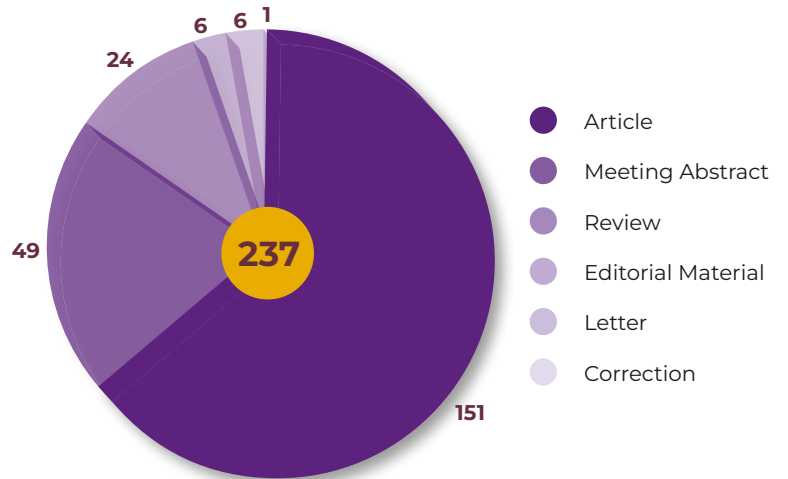
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**53.14**

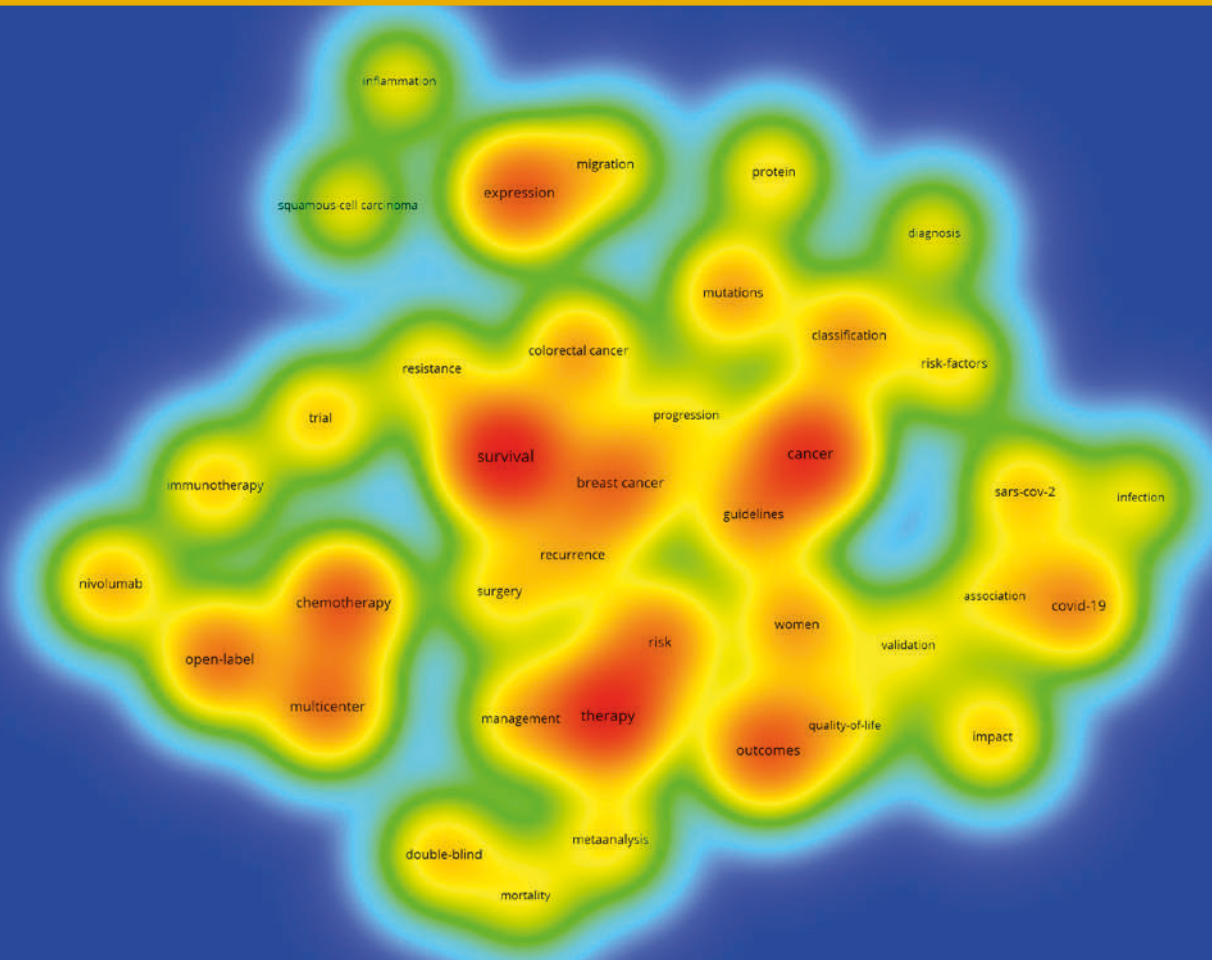
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**Document type**



**Keywords (> 5 frequency)**



## Top 5 journals with the highest publication rate

During 2022, the Oncology area's researchers have published in a total of 124 different journals. The top 5 journals where they publish the most are shown below. It represents the 29.53% of the scientific production of this area. Three of these journals are in the first quartile of the JCR 2022 for their thematic category. One journal is in the Top 5 in their WoS category.

JOURNAL	Nº OF PAPERS (WoS)	QUARTIL 2022	WoS CATEGORY	ARTICLE INFLUENCE SCORE 2022	JOURNAL CITATION INDICATOR 2022	IF (WITHOUT SELF-CITATIONS) 2022
ANNALS OF ONCOLOGY	23	Q1 (5/241)	ONCOLOGY	11.091	6.13	50
Cancers	18	Q1 (72/241)	ONCOLOGY	1.096	0.92	4.7
JOURNAL OF CLINICAL ONCOLOGY	12	Q1 (7/241)	ONCOLOGY	13.979	5.37	44.3
OBESITY SURGERY	9	Q2 (62/212)	SURGERY	0.816	1.23	2.2
Frontiers in Oncology	8	Q2 (85/241)	ONCOLOGY	1	0.82	4.2

## Selected 5 publications

**1.** GARCÍA SÁENZ, JOSÉ ÁNGEL, Martínez-Janez, Noelia, Cubedo, Ricardo, Jerez, Yolanda, Lahuerta, Ainhara, Gonzalez-Santiago, Santiago, Ferrer, Nieves, GARCÍA-RAMOS GARCÍA, MARÍA ROCÍO, Alonso-Romero, Jose L., Anton, Antonio, Carrasco, Eva, Chen, Jingjing, Neuwirth, Rachel, Galinsky, Kevin, Vincent, Sylvie, Leonard, E. Jane, Slamon, Dennis . Sapanisertib plus Fulvestrant in Postmenopausal Women with Estrogen Receptor-Positive/HER2-Negative Advanced Breast Cancer after Progression on Aromatase Inhibitor. CLINICAL CANCER RESEARCH. 2022; 28 (6): 1107-1116. DOI: 10.1158/1078-0432.CCR-21-2652. FI: 13,801. (D1).

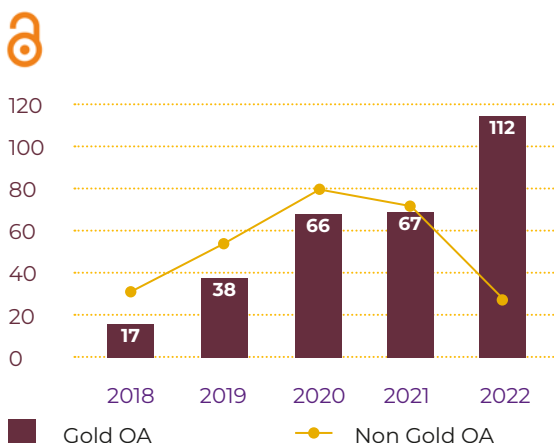
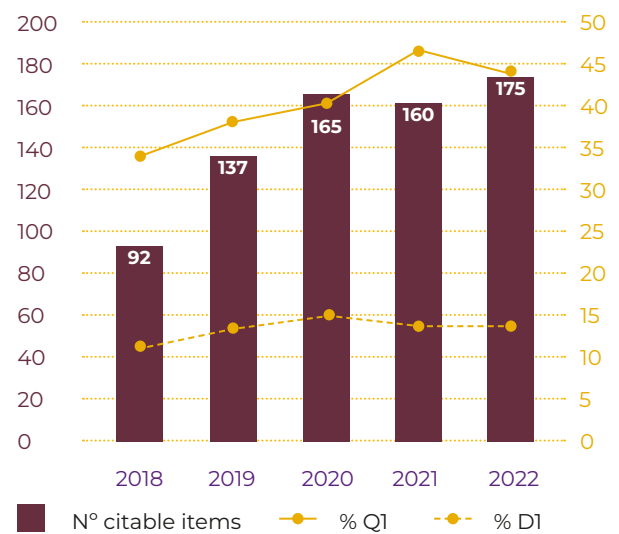
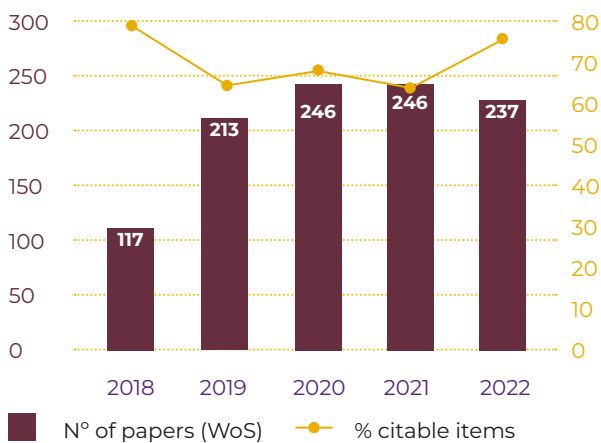
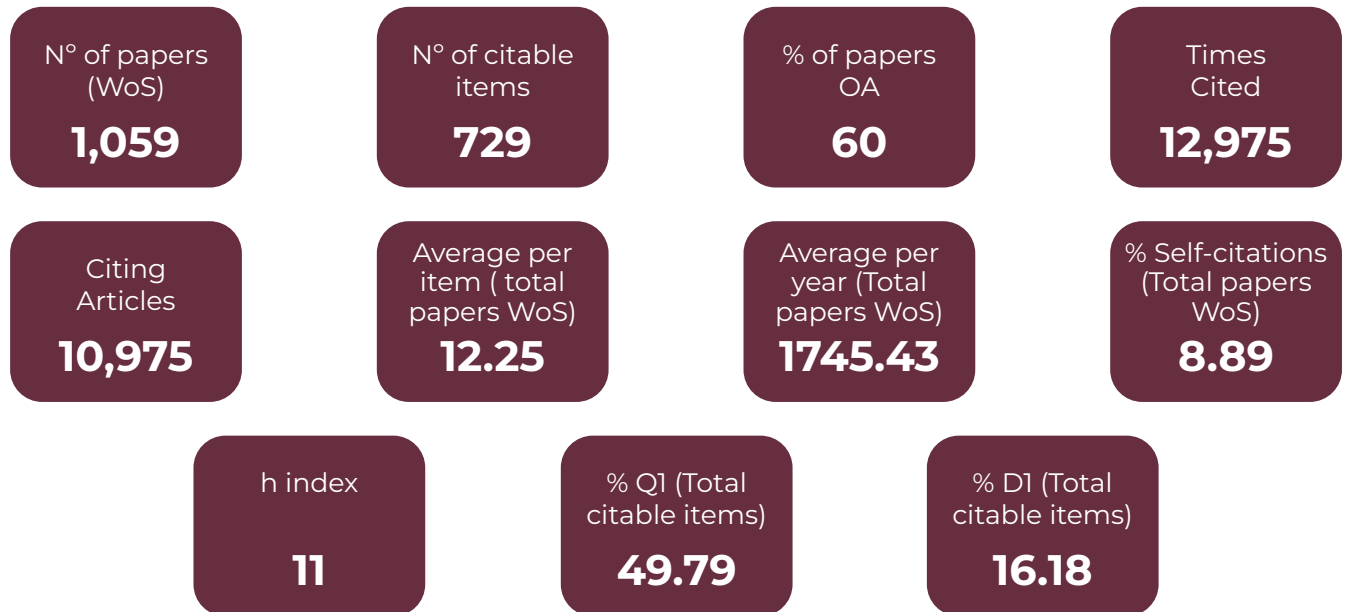
**2.** Nieto-Jiménez, Cristina, CABAÑAS MORAFRAILE, ESTHER, Alonso-Moreno, Carlos, OCAÑA FERNANDEZ, ALBERTO. Clinical considerations for the design of PROTACs in cancer. MOLECULAR CANCER. 2022; 21 (1): -. DOI: 10.1186/s12943-022-01535-7. FI: 41,444. (D1).

**3.** TAXONERA SAMSÓ, CARLOS, FERNANDEZ ACEÑERO, MARÍA JESUS, OLIVARES QUINTANAR, DAVID, Calvo, Marta, Casis, Begona, Bermejo, Fernando, Serrano, Pilar Lopez, Iborra, Marisa, Mesonero, Francisco, Watts, Maia Bosca, DIAZ DEL ARCO, CRISTINA, Vera, Isabel, Olivares, Sonsoles, Algaba, Alicia, ALBA LÓPEZ, CRISTINA. Association of golimumab trough concentrations during maintenance with clinical, biological, endoscopic and histologic remission in patients with ulcerative colitis. ALIMENTARY PHARMACOLOGY & THERAPEUTICS. 2022; 56 (4): 614-624. DOI: 10.1111/apt.16964. FI: 9,524. (D1).

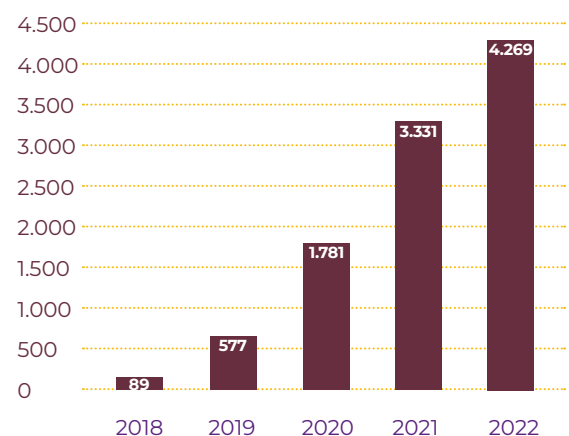
**4.** SÁNCHEZ MUÑOZ, ARÁNZAZU, Roos, Victorine H., Navarro, Matilde, Pineda, Marta, Caballol, Berta, Moreno, Lorena, Carballal, Sabela, Rodriguez-Alonso, Lorena, Cajal, Teresa Ramon Y., Llorc, Gemma, Pinol, Virginia, Lopez-Fernandez, Adria, Salces, Inmaculada, Pico, Maria Dolores, Rivas, Laura, Bujanda, Luis, Garzon, Marta, Pizarro, Angeles, de Castro, Eva Martinez, Lopez-Arias, Maria Jesus, POVES FRANCES, CARMEN, Garau, Catalina, Rodriguez-Alcalde, Daniel, Herraiz, Maite, Alvarez-Urrutia, Cristina, Dacal, Andres, Carrillo-Palau, Marta, Cid, Lucia, Ponce, Marta, Barreiro-Alonso, Eva, Saperas, Esteban, Aguirre, Elena, Romero, Cristina, Bastiaansen, Barbara, Gonzalez-Acosta, Maribel, Morales-Romero, Blai, Ocana, Teresa, Rivero-Sanchez, Liseth, Jung, Gerhard, Bessa, Xavier, Cubiella, Joaquin, Jover, Rodrigo, Rodriguez-Moranta, Francisco, Balmana, Judith, Brunet, Joan, Castells, Antoni, Dekker, Evelien, Capella, Gabriel, Serra-Burriel, Miquel, Moreira, Leticia, Pellise, Maria, Balaguer, Francesc . Quality of Colonoscopy Is Associated With Adenoma Detection and Postcolonoscopy Colorectal Cancer Prevention in Lynch Syndrome. CLINICAL GASTROENTEROLOGY AND HEPATOLOGY. 2022; 20 (3): 611-. DOI: 10.1016/j.cgh.2020.11.002. FI: 13,576. (D1).

**5.** PALAO TREVIÑO, NEREA, SEQUERA HURTADO, CELIA, CUESTA MARTÍNEZ, ÁNGEL, Baquero, Cristina, BRAGADO DOMINGO, PALOMA, GUTIERREZ UZQUIZA, ALVARO, SÁNCHEZ MUÑOZ, ARÁNZAZU, Guerrero, Carmen, PORRAS GALLO, ALMUDENA. C3G down-regulation enhances pro-migratory and stemness properties of oval cells by promoting an epithelial-mesenchymal-like process. INTERNATIONAL JOURNAL OF BIOLOGICAL SCIENCES. 2022; 18 (15): 5873-5884. DOI: 10.7150/ijbs.73192. FI: 10,75. (D1).

**Scientific production (2018 - 2022)**



**Times cited by year**



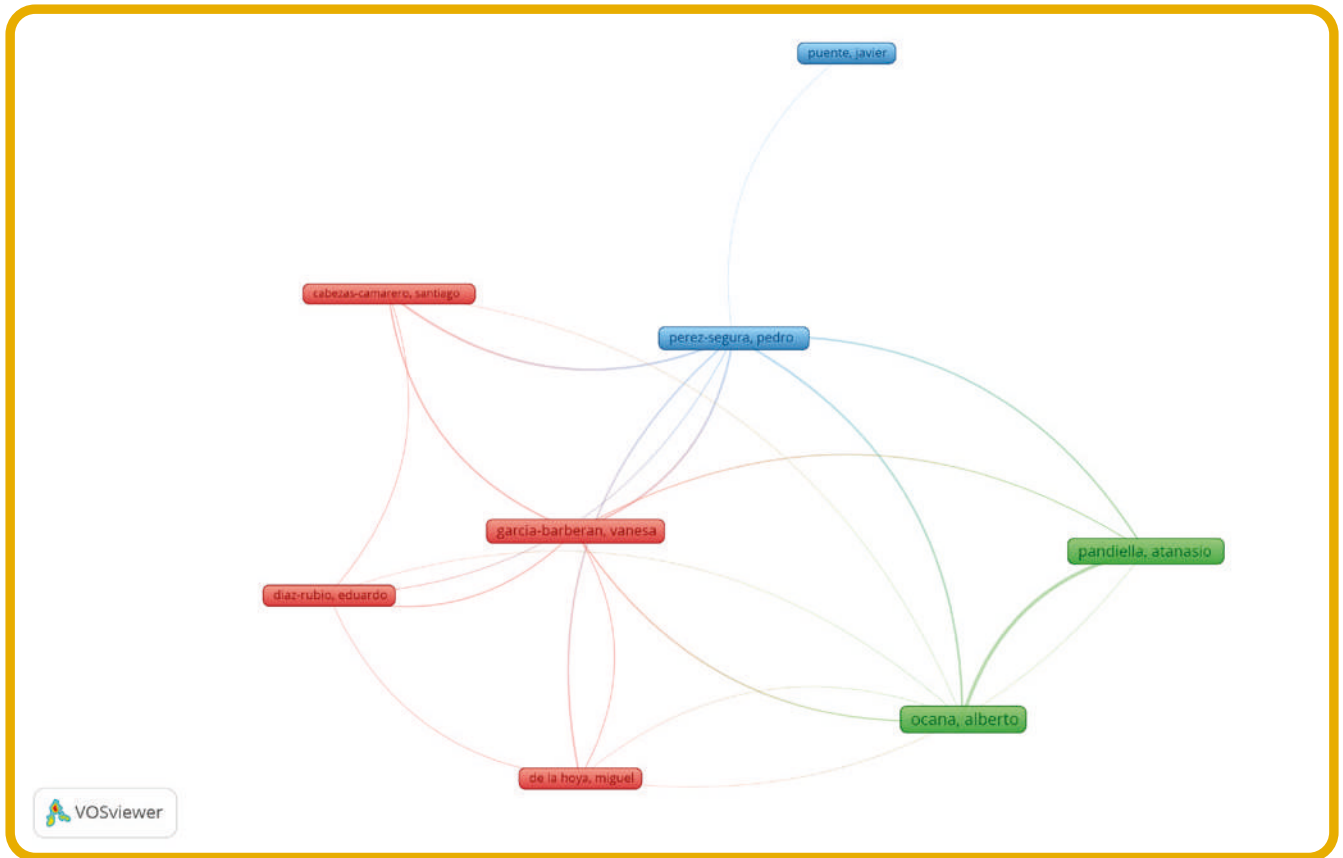
\* WoS download 17.07.2022

## Top 5 journals with the highest publication rate

TITLE	JOURNAL	TIMES CITED	YEAR	QUARTIL	WOS CATEGORY	ARTICLE INFLUENCE SCORE	OA TYPE
Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition)	AUTOPHAGY	727	2021	Q1 (19/191)	CELL BIOLOGY	3.480	Gold OA
Immediate and long-term impact of the COVID-19 pandemic on delivery of surgical services	BRITISH JOURNAL OF SURGERY	428	2020	Q1 (11/211)	SURGERY	2.265	Non Gold OA
Polygenic Risk Scores for Prediction of Breast Cancer and Breast Cancer Subtypes	AMERICAN JOURNAL OF HUMAN GENETICS	405	2019	Q1 (10/178)	GENETICS & HEREDITY	5.431	Non Gold OA
Lenvatinib Plus Pembrolizumab in Patients With Advanced Endometrial Cancer	JOURNAL OF CLINICAL ONCOLOGY	235	2020	Q1 (4/242)	ONCOLOGY	12.126	Non Gold OA
NBTR3, a first-in-class radioenhancer hafnium oxide nanoparticle, plus radiotherapy versus radiotherapy alone in patients with locally advanced soft-tissue sarcoma (Act. In. Sarc): a multicentre, phase 2-3, randomised, controlled trial	LANCET ONCOLOGY	217	2019	Q1 (4/245)	ONCOLOGY	17.662	Non Gold OA



**Most cited authors ( > 25 papers)**



## ONC.1

### Clinical and Translational Research in Oncology

#### Leading researcher

Pedro Pérez Segura

#### Members

Ada Esteban Sánchez  
 Adrián Sanvicente García  
 Alberto Ocaña Fernández  
 Alberto Orta Ruiz  
 Alicia Herance Blasco  
 Álvaro Serrano Pascual  
 Ana Conde Yáñez  
 Ana Esteban Garcimartín  
 Antonio Casado Herráez  
 Aránzazu Manzano Fernández  
 Beatriz García Paredes  
 Beatriz Pérez-Villamil Salgado  
 Belén Cobaleda Esteban  
 Carlos Aguado De La Rosa  
 Cristina Díaz-Tejero Rodríguez  
 Cristina Nieto Jiménez  
 Cristina Ortiz Rozalén  
 Cristina Sáiz Ladera  
 Daniel Parra Corral  
 Emilia Alors Pérez  
 Enrique Redondo Gonzalez  
 Ericka Joy Canlas Pangilinan  
 Fernando Moreno Antón  
 Gabriel García Salamero  
 Gloria Marquina Ospina  
 Gonzalo Fernández Hinojal  
 Helena Olivera Pérez-Frade  
 Igor Gregorio López Cade

Inés Bartolomé Asensio  
 Inmaculada Bando Polaino  
 Irene Galán Moreno  
 Javier David Benitez Fuentes  
 Javier Puente Vázquez  
 Javier Sastre Valera  
 Jesús Fuentes Antrás  
 Jesús María Salinas Casado  
 Jesús Moreno Sierra  
 Jorge Bartolomé Arcilla  
 José Ángel García Sáenz  
 José Luis González Larriba  
 Jose Luis Senovilla Pérez  
 Jose Manuel Pingarron Carrazón  
 Juan Antonio Corona Sánchez  
 Juan Gómez Rivas  
 Julia Barrios Barriga  
 Laura Carrasco Sánchez  
 Laura Torresano Cicuéndez  
 Lobna Ramadane Morchadi  
 Lorena Fernández Montarrosa  
 Lucía Paniagua Herranz  
 Luisa Morillas Perruca  
 M<sup>o</sup> Isabel Galante Romo  
 Manuel Gonzalo Vázquez Masedo  
 Manuel Jorge Cuesta Rioboó  
 Marco Ciappara Paniagua

María Del Rosario Alfonso San Segundo  
 María Elena Gómez Del Pulgar Gutiérrez  
 María Helena Huertas Mondejar  
 Marta Vidaurreta Lázaro  
 Mateo Paz Cabezas  
 Miguel De La Hoya Mantecón  
 Miguel López García  
 Miquel Martínez Fontanillas  
 Natalia Pérez Romero  
 Paula Diaque García  
 Pilar Garre Rubio  
 Raquel Rodríguez Damiano  
 Sandra Rico Galve  
 Santiago Cabezas Camarero  
 Sara Rafael Fernández  
 Susana Campuzano Ruiz  
 Tania Luís García  
 Teresa Salas García-Talavera  
 Vanesa García Barberán  
 Víctor Lorca Castellanos



#### Scientific production

N° of papers (WoS)	<b>144</b>
% Open Access (N°)	<b>73%</b> (105)
% Citable Items (N°)	<b>67%</b> (93)
N° of papers JCR indexed	<b>139</b>
Q1 (citable items)	<b>56%</b> (52)
D1 (citable items)	<b>18%</b> (17)
Cumulative IF	<b>977,611</b>
Average IF	<b>10,511</b>



# ONC.1

## Overview

The translational research Unit in Oncology located in the Hospital Clínico San Carlos has been focused in bringing the basic research to the clinic ("bench to bedside") for more than 30 years. To this end, several projects aimed to the discovery and analysis of predictive and prognostic factors and the hereditary component of cancer have been performed. Furthermore, thousands of clinical trials involving cytotoxic agents and also new biological drugs aimed against specific molecular targets (onco-pharmacogenomics) have been performed. With the relentless aim of the individualization of treatment, identifying responding patients have been a constant effort in every clinical trial performed.

Over the last years, the Oncology Translational Research Unit has shown its potential through the development of both clinical and laboratory research units, and is committed to the development of all lines discussed above. The identification of predictive response factors to new directed drugs is an urgent need in order to achieve a more effective and efficient medicine. These drugs are effective just in some of the treated patients, because of that, developing cutting-edge tools for the medical oncologists to achieve the most optimized treatment is completely mandatory.

The group is comprised of medical professionals dedicated to health care and clinical research, a strong data-manager group, a research nursing support group, and a research laboratory equipped with the last technical innovations (NGS sequencing, Beaming, automated molecular diagnostic solutions..) and highly qualified personnel.

Founded by the Prof Emeritus Eduardo Díaz Rubio, the unit has been committed with medical oncology, translational research and teaching activities since it very beginning. Now under the lead of Dr. Perez Segura, the development of a Phase I Unit and the consolidation of key alliances with the academic research are most relevant projects we are involved in, looking forward to the future with a compromise with scientific quality beyond any doubt.

## Selected publications

GARCÍA SÁENZ, JOSÉ ÁNGEL, Martinez-Janez, Noelia, Cubedo, Ricardo, Jerez, Yolanda, Lahuerta, Ainhara, Gonzalez-Santiago, Santiago, Ferrer, Nieves, GARCÍA-RAMOS GARCÍA, MARÍA ROCÍO, Alonso-Romero, Jose L., Anton, Antonio, Carrasco, Eva, Chen, Jingjing, Neuwirth, Rachel, Galinsky, Kevin, Vincent, Sylvie, Leonard, E. Jane, Slamon, Dennis . Sapanisertib plus Fulvestrant in Postmenopausal Women with Estrogen Receptor-Positive/HER2-Negative Advanced Breast Cancer after Progression on Aromatase Inhibitor. CLINICAL CANCER RESEARCH. 2022; 28 (6): 1107-1116. DOI: 10.1158/1078-0432.CCR-21-2652. FI: 13,801. (D1).

Nieto-Jimenez, Cristina, CABAÑAS MORAFRAILE, ESTHER, Alonso-Moreno, Carlos, OCAÑA FERNANDEZ, ALBERTO. Clinical considerations for the design of PROTACs in cancer. MOLECULAR CANCER. 2022; 21 (1). DOI: 10.1186/s12943-022-01535-7. FI: 41,444. (D1). CABEZAS CAMARERO, SANTIAGO, GARCÍA BARBERÁN, VANESA, Perez-Alfayate, Rebeca, Casado-Farinas, Isabel, Sloane, Hillary, Jones, Frederick S., PÉREZ SEGURA, PEDRO. Detection of IDH1 Mutations in Plasma Using BEAMing Technology in Patients with Gliomas. Cancers. 2022; 14 (12). DOI: 10.3390/cancers14122891. FI: 6,575. (Q1).

## Clinical practice guidelines

Capdevila, Jaume, Auxiliadora Gomez, Ma, Guillot, Monica, Paez, David, Pericay, Carles, Jose Safont, Maria, Tarazona, Noelia, Vera, Ruth, Vidal, Joana, SASTRE VALERA, JAVIER. SEOM-GEMCAD-TTD clinical guidelines for localized rectal cancer (2021). CLINICAL & TRANSLATIONAL ONCOLOGY. 2022. Editorial: SPRINGER-VERLAG ITALIA SRL. ISBN/DOI: 10.1007/s12094-022-02816-9. Group: ONC.1.

Echavarría, Isabel, Carrion Galindo, J. Rafael, Corral, Jesus, Diz Tain, María Pilar, Henao Carrasco, Fernando, Iranzo Gonzalez-Cruz, Vega, Mielgo-Rubio, Xabier, Quintanar, Teresa, Rivas Corredor, Carlos, PÉREZ SEGURA, PEDRO. SEOM clinical guidelines for the prophylaxis of infectious diseases in cancer patients (2021). CLINICAL & TRANSLATIONAL ONCOLOGY. 2022. Editorial: SPRINGER-VERLAG ITALIA SRL. ISBN/DOI: 10.1007/s12094-022-02800-3. Group: ONC.1.

Capdevila, Jaume, Gomez, Ma Auxiliadora, Guillot, Monica, Paez, David, Pericay, Carles, Safont, Maria Jose, Tarazona, Noelia, Vera, Ruth, Vidal, Joana, SASTRE VALERA, JAVIER. SEOM-GEMCAD-TTD clinical guidelines for localized rectal cancer (2021) (vol 24, pg 646, 2022). CLINICAL & TRANSLATIONAL ONCOLOGY. 2022. Editorial: SPRINGER-VERLAG ITALIA SRL. ISBN/DOI: 10.1007/s12094-022-02855-2. Group: ONC.1.

Lope V, Guerrero-Zotano A, Ruiz-Moreno E, Bermejo B, Antolín S, Montaña Á, Baena-Cañada JM, Ramos Vázquez M, Fernández de Larrea-Baz N, Chacón JI, García-Sáenz JA, Olier C, Muñoz M, Antón A, Sánchez Rovira P, Arcusa Lanza A, González S, Oltra A, Brunet J, Gavilá Gregori J, Martínez MT, Calvo L, Rosell L, Bezares S, Pastor-Barriuso R, Pérez-Gómez B, Martín M, Pollán M. Clinical and Sociodemographic Determinants of Adherence to World Cancer Research Fund/American Institute for Cancer Research (WCRF/AICR) Recommendations in

Breast Cancer Survivors-Health-EpiGEICAM Study . WCRF/AICR. 2022. Editorial: . ISBN/DOI: 10.3390/cancers14194705 . Group: ONC.1.

## New competitive funding

PPS.F01SEOM21. SEROCONVERSIÓN E IMPACTO INMUNOLÓGICO TRAS VACUNACIÓN CONTRA EL SARS-COV-2 EN PACIENTES CON TUMORES SÓLIDOS EN TRATAMIENTO ACTIVO. PI: PÉREZ SEGURA, PEDRO. Funding organisation: SOCIEDAD ESPAÑOLA DE ONCOLOGÍA (SEOM).

CA21/00014. Contratos de personal técnico bioinformático de apoyo a la investigación en los IIS. PI: PAZ CABEZAS, MATEO. Funding organisation: INSTITUTO DE SALUD CARLOS III.

## New non competitive funding

ECL.17/116. ESTUDIO PARA EVALUAR LOS DESENLACES DEL EMBARAZO Y LA SEGURIDAD DE LA INTERRUPCIÓN DEL TRATAMIENTO ENDOCRINO DE MUJERES JÓVENES CON CÁNCER DE MAMA Y RESPUESTA AL TRATAMIENTO ENDOCRINO QUE DESEEN QUEDARSE EMBARAZADAS. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.19/412. Targeting triple-negative and HER2-positive breast cancer with BET inhibitors and PROTACs. PI: OCAÑA FERNANDEZ, ALBERTO. Funding organisation: OCAÑA FERNANDEZ, ALBERTO.

ECL.20/183. An open-label, randomized, controlled phase 3 study of enfortumab vedotin in combination with pembrolizumab with or without chemotherapy, versus chemotherapy alone in previously untreated locally advanced or metastatic urothelial cancer. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.20/186. EPIK-B2: A two part, Phase III, multicenter, randomized (1:1), double-blind, placebo-controlled study to assess the efficacy and safety of alpelisib (BYL719) in combination with trastuzumab and pertuzumab as maintenance therapy in patients with HER2-posit. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.20/608. Ensayo aleatorizado, doble ciego, adyuvante, controlado con placebo en personas con glioblastoma primario de nuevo diagnóstico para evaluar la eficacia y la seguridad del ácido 2-hidroxioléico (2-OHOA) en combinación con tratamiento de referencia con radi. PI: PÉREZ SEGURA, PEDRO.

ECL.20/609. Estudio piloto de la estrategia de tratamiento personalizada basada en biomarcadores o inmunoterapia en pacientes con carcinoma epidermoide de cabeza y cuello recurrente/metastásico "UPSTREAM". PI: CABEZAS CAMARERO, SANTIAGO.

ECL.20/721. ESTUDIO DE FASE 3, ALEATORIZADO, ABIERTO, CONTROLADO, DE CABOZANTINIB (XL184) EN COMBINACIÓN CON ATEZOLIZUMAB FRENTE A UNA SEGUNDA TERAPIA HORMONAL NOVEDOSA (THN) EN PACIENTES CON CÁNCER DE PRÓSTATA METASTÁSICO Y RESISTENTE A LA CASTRACIÓN.. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.21/052. ESTRATEGIA SIN QUIMIOTERAPIA BASADA EN LA REPUESTA PATOLÓGICA COMPLETA CON TRASTUZUMAB-

# ONC.1

PERTUZUMAB POR VÍA SUBCUTÁNEA Y T-DMI EN CÁNCER DE MAMA HER2 POSITIVO EN ESTADIO INICIAL. CHEMOTHERAPY-FREE PCR-GUIDED STRATEGY WITH SUBCUTANEOUS TRASTUZUMAB-PERTUZUMA. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.21/234. ESTUDIO EN FASE III ALEATORIZADO, ABIERTO Y MULTICÉNTRICO PARA DETERMINAR LA EFICACIA Y LA SEGURIDAD DE DURVALUMAB EN COMBINACIÓN CON TREMELIMUMAB Y ENFORTUMAB VEDOTINA O DURVALUMAB EN COMBINACIÓN CON ENFORTUMAB VEDOTINA PARA EL TRATAMIENTO PERIOPERATORIO. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.21/293. ESTUDIO DE FASE 3 ALEATORIZADO DE MRTX849 EN COMBINACIÓN CON CETUXIMAB FRENTE A QUIMIOTERAPIA EN PACIENTES CON CÁNCER COLORRECTAL AVANZADO CON MUTACIÓN DE KRAS G12C CON PROGRESIÓN DE LA ENFERMEDAD DURANTE O DESPUÉS DEL TRATAMIENTO DE PRIMERA LÍNEA ESTÁNDAR. PI: SASTRE VALERA, JAVIER.

ECL.21/343. A PHASE III, OPEN LABEL, RANDOMISED, 3 ARM, MULTI CENTRE STUDY OF SAVOLITINIB PLUS DURVALUMAB VERSUS SUNITINIB AND DURVALUMAB MONOTHERAPY IN PARTICIPANTS WITH MET DRIVEN, UNRESECTABLE AND LOCALLY ADVANCED OR METASTATIC PAPILLARY RENAL CELL CARCINOMA (PRCC). PI: PUENTE VÁZQUEZ, JAVIER.

ECL.21/371. TALAPRO-3: ESTUDIO DE FASE III, ALEATORIZADO, DOBLE CIEGO DE TALAZOPARIB CON ENZALUTAMIDA FRENTE A PLACEBO CON ENZALUTAMIDA EN HOMBRES CON CÁNCER DE PRÓSTATA METASTÁSICO SENSIBLE A LA CASTRACIÓN Y CON MUTACIONES EN GENES DE REPARACIÓN DEL DAÑO EN EL ADN. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.21/394. ESTUDIO EN FASE III MULTICÉNTRICO, ALEATORIZADO, DOBLE CIEGO Y CONTROLADO CON PLACEBO DE FUZULOPARIB COMBINADO CON ACETATO DE ABIRATERONA Y PREDNISONA (AA-P) FRENTE A PLACEBO COMBINADO CON AA-P COMO TRATAMIENTO DE PRIMERA LÍNEA EN PACIENTES CON CÁNCER DE . PI: PUENTE VÁZQUEZ, JAVIER.

ECL.21/414. ESTUDIO DE ESCALADA Y EXPANSIÓN DE DOSIS PARA EVALUAR LA SEGURIDAD Y LA FARMACOCINÉTICA DE XL092 EN MONOTERAPIA Y TRATAMIENTO COMBINADO EN PACIENTES CON TUMORES SÓLIDOS LOCALMENTE AVANZADOS O METASTÁSICOS INOPERABLES. PI: MANZANO FERNÁNDEZ, ARÁNZAZU.

ECL.21/448. UN ESTUDIO DE FASE III, ALEATORIZADO, DOBLE CIEGO DE BGB-A1217 Y DEL ANTICUERPO ANTI-TIGIT, EN COMBINACIÓN CON TISELIZUMAB COMPARADO CON PEMBROLIZUMAB EN PACIENTES CON CÁNCER DE PULMÓN NO MICROCÍTICO INOPERABLE O METASTÁSICO, NO TRATADO PREVIAMENTE, CON . PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.21/468. ESTUDIO DE FASE IB/II, PRIMERO EN SERES HUMANOS, DE AUMENTO ESCALONADO Y AMPLIACIÓN DE LA DOSIS DE XMT-1536 EN PACIENTES CON TUMORES SÓLIDOS CON PROBABILIDAD DE EXPRESAR NAPI2B. PI: MANZANO FERNÁNDEZ, ARÁNZAZU.

ECL.21/470. ENSAYO ALEATORIZADO DE FASE III DE TRASTUZUMAB + ALPELISIB +/- FULVESTRANT FRENTE A TRASTUZUMAB + QUIMIOTERAPIA EN PACIENTES CON CÁNCER DE MAMA AVANZADO HER2+ CON MUTACIÓN DE PIK3CA PREVIAMENTE TRATADOS. "ESTUDIO ALPHABET". PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.21/474. ESTUDIO ABIERTO CON TUSAMITAMAB RAVTANSINA (SAR408701) EN COMBINACIÓN CON RAMUCIRUMAB EN PARTICIPANTES CON ADENOCARCINOMA GÁSTRICO O DE LA UNIÓN GASTROESOFÁGICA (UGE) AVANZADO, QUE HAYAN SIDO PREVIAMENTE TRATADOS Y CON TUMORES POSITIVOS A CEACAM5. PI: SASTRE VALERA, JAVIER.

ECL.21/475. CARACTERIZACIÓN DE MECANISMOS DE RESISTENCIA A INHIBIDORES DEL PUNTO DE CONTROL (CHECKPOINT INHIBITORS). PI: PUENTE VÁZQUEZ, JAVIER.

ECL.21/488. OBSERVATIONAL STUDY TO DESCRIBE GENOTYPIC CHARACTERISTICS AND RESISTANT MUTATIONS IN NSCLC ALK+. ESTUDIO OBSERVACIONAL PARA DESCRIBIR LAS CARACTERÍSTICAS GENOTÍPICAS Y LAS MUTACIONES DE RESISTENCIA EN EL NSCLC ALK+. PI: AGUADO DE LA ROSA, CARLOS.

ECL.21/502. ESTUDIO FASE 1B/2, ABIERTO, ALEATORIZADO, NO COMPARATIVO DE NADUNOLIMAB EN COMBINACIÓN CON GEMCITABINA Y CARBOPLATINO EN PACIENTES CON CÁNCER DE MAMA AVANZADO TRIPLE NEGATIVO. "ESTUDIO TRIFOUR".. PI: MORENO ANTÓN, FERNANDO.

ECL.21/509. TINIVO-2: ESTUDIO EN FASE III, ALEATORIZADO, CONTROLADO, MULTICÉNTRICO Y ABIERTO PARA COMPARAR

TIVOZANIB EN COMBINACIÓN CON NIVOLUMAB CON TIVOZANIB EN MONOTERAPIA EN SUJETOS CON CARCINOMA DE CÉLULAS RENALES QUE HAN PROGRESADO TRAS UNA O DOS LÍNEAS DE TRAT. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.21/559. EVALUACIÓN DEL IMPACTO DE LA MEDICIÓN SISTEMÁTICA DE RESULTADOS EN SALUD REPORTADOS POR PACIENTES (PROS) EN LA PRÁCTICA ASISTENCIAL HABITUAL: CASO DE USO EN COHORTES DE CÁNCER DE MAMA. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.21/576. "ESTUDIO EN FASE II ABIERTO, DE UN SOLO GRUPO Y MULTICÉNTRICO PARA EVALUAR EL EFECTO ANTITUMORAL Y LA SEGURIDAD DE TALETRECTINIB EN PACIENTES CON CPNM ROSI POSITIVO AVANZADO O METASTÁSICO Y OTROS TUMORES SÓLIDOS. A SINGLE-ARM, OPEN-LABEL, MULTICENTER PH. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.21/582. A RANDOMIZED, BLINDED, PLACEBO-CONTROLLED, PHASE 2 STUDY OF INBRX-109 IN UNRESECTABLE OR METASTATIC CONVENTIONAL CHONDROSARCOMA. ESTUDIO DE FASE 2, ALEATORIZADO, ENMASCARADO Y CONTROLADO CON PLACEBO DE INBRX-109 EN EL CONDROSARCOMA CONVENCIONAL IRRESECCABLE. PI: CASADO HERRÁEZ, ANTONIO.

ECL.21/583. ESTUDIO FASE II, ALEATORIZADO, PARA EVALUAR LA INCIDENCIA DE DISCONTINUACIÓN DEBIDA A DIARREA EN LOS 3 PRIMEROS CICLOS DE TRATAMIENTO EN PACIENTES CON CÁNCER DE MAMA PRECOZ HER2 POSITIVO (HER2+), RECEPTOR HORMONAL POSITIVO (RH+), TRATADOS CON NERATINIB MÁ. PI: MORENO ANTÓN, FERNANDO.

ECL.21/628. Estudio de fase 2 no aleatorizado, abierto, de múltiples cohortes, multicéntrico, para evaluar el beneficio clínico de SAR444245 (THOR-707) combinado con otras terapias anticancerígenas para el tratamiento de participantes con carcinoma de células escamosas. PI: CABEZAS CAMARERO, SANTIAGO.

ECL.21/631. A RANDOMISED PHASE II STUDY COMPARING 3 VS 6 CYCLES OF PLATINUM-BASED CHEMOTHERAPY PRIOR TO MAINTENANCE AVELUMAB IN ADVANCED UROTHELIAL CÁNCER ESTUDIO DE FASE II ALEATORIZADO PARA COMPARAR 3 Y 6 CICLOS DE QUIMIOTERAPIA CON UN DERIVADO DEL PLATINO ANTES DE. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.21/635. "ESTUDIO FASE 3 ABIERTO DE NEOADYUVANCIA CON TRASTUZUMAB DERUXTECAN (T-DXD) EN MONOTERAPIA O T-DXD SEGUIDO THE THP COMPARADO CON DDAC-THP EN PACIENTES CON CÁNCER DE MAMA EN ESTADIO TEMPRANO HER2-POSITIVO DE ALTO RIESGO (DESTINY-BREAST 11)". PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.21/648. ACTUATE 1801: ESTUDIO DE FASE 1/2 DE 9-ING-41, UN INHIBIDOR DE GLUCÓGENO SINTASA QUINASA-3 BETA (GSK-3B), COMO AGENTE ÚNICO Y EN COMBINACIÓN CON QUIMIOTERAPIA, EN PACIENTES CON NEOPLASIAS MALIGNAS HEMATOLÓGICAS O TUMORES SÓLIDOS REFRACTARIOS. PI: SASTRE VALERA, JAVIER.

ECL.21/677. ESTUDIO DE FASE III, ABIERTO, ALEATORIZADO, GLOBAL Y MULTICÉNTRICO DE SACITUZUMAB GOVITECAN FRENTE A DOCETAXEL EN PACIENTES CON CÁNCER DE PULMÓN NO MICROCÍTICO (CPNM) AVANZADO O METASTÁSICO CON PROGRESIÓN DURANTE O DESPUÉS DE LA QUIMIOTERAPIA A BASE DE PL. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.21/681. ENSAYO CLÍNICO, FASE III, ABIERTO, ALEATORIZADO DE DATO-DXD EN COMPARACIÓN CON LA QUIMIOTERAPIA A ELECCIÓN DEL INVESTIGADOR EN PACIENTES CON CÁNCER DE MAMA INOPERABLE O METASTÁSICO CON RECEPTORES HORMONALES POSITIVOS, HER2 NEGATIVO, QUE HAN RECIBIDO UNA O. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.21/684. ESTUDIO DE FASE 1/2, MULTICÉNTRICO Y ABIERTO PARA EVALUAR LA SEGURIDAD, LA TOLERABILIDAD, LA FARMACOCINÉTICA Y LOS DATOS PRELIMINARES DE ACTIVIDAD ANTITUMORAL DE JAB-21822 EN MONOTERAPIA Y EN COMBINACIÓN EN PACIENTES ADULTOS CON TUMORES SÓLIDOS AVANZADOS. PI: MANZANO FERNÁNDEZ, ARÁNZAZU.

ECL.21/714. ENSAYO CLÍNICO FASE II DE AMG510 (SOTRASIB) EN PACIENTES CON CÁNCER DE PULMÓN NO MICROCÍTICO (CPNM) ESTADIO III IRRESECCABLES CON MUTACIÓN KRAS P.G12 NO ELEGIBLES PARA TRATAMIENTO CON QUIMIORADIOTERAPIA. PI: AGUADO DE LA ROSA, CARLOS.

ECL.21/728. ESTUDIO DE FASE 3, MULTICÉNTRICO, ALEATORIZADO Y DOBLE CIEGO PARA COMPARAR LA EFICACIA Y LA SEGURIDAD DE



## ONC.1

BELZUTIFÁN (MK-6482) MÁS PEMBROLIZUMAB (MK-3475) FRENTE A UN PLACEBO MÁS PEMBROLIZUMAB EN EL TRATAMIENTO ADYUVANTE DEL CARCINOMA RENAL DE CÉLULAS CLAR. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.21/729. TOLERANCE: ESTUDIO ALEATORIZADO DE 3 GRUPOS SOBRE LA CALIDAD DE VIDA RELACIONADA CON LA SALUD DE LOS PACIENTES MAYORES CON SARCOMA AVANZADO DE PARTES BLANDAS TRATADOS CON DOXORUBICINA CADA TRES SEMANAS O SEMANAL, O BIEN CON CICLOFOSFAMIDA MÁS PREDNISO(LO). PI: MARQUINA OSPINA, GLORIA.

ECL.21/730. UN ENSAYO ABIERTO DE BI 765063 EN COMBINACIÓN CON BI 754091 (EZABENLIMAB) SOLO O CON BI 836880, QUIMIOTERAPIA O CETUXIMAB, EN PACIENTES CON CARCINOMA DE CÉLULAS ESCAMOSAS DE CABEZA Y CUELLO RECURRENTE/METASTÁSICO (HNSCC) O CARCINOMA HEPATOCELULAR (HCC). PI: SASTRE VALERA, JAVIER.

ECL.21/739. ESTUDIO DE FASE III MULTICÉNTRICO, ALEATORIZADO, DOBLE CIEGO, CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA Y SEGURIDAD DE GDC-9545 EN COMBINACIÓN CON PALBOCICLIB, COMPARADO CON LETROZOL EN COMBINACIÓN CON PALBOCICLIB, EN PACIENTES CON CÁNCER DE MAMA PO. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.21/743. ESTUDIO OBSERVACIONAL RETROSPECTIVO SOBRE LA EFICACIA Y SEGURIDAD DE LORLATINIB EN PACIENTES CON CÁNCER DE PULMÓN DE CÉLULAS NO PEQUEÑAS METASTÁSICO ALK O ROSI TRATADOS DENTRO DEL PROGRAMA DE USO COMPASIVO EN ESPAÑA. PI: AGUADO DE LA ROSA, CARLOS.

ECL.21/755. ESTUDIO DE FASE 3, ALEATORIZADO Y DOBLE CIEGO DE LA COFORMULACIÓN DE PEMBROLIZUMAB/VIBOSTOLIMAB (MK-7684A) EN COMBINACIÓN CON QUIMIOTERAPIA, EN COMPARACIÓN CON PEMBROLIZUMAB MÁS QUIMIOTERAPIA, EN PARTICIPANTES CON CÁNCER DE PULMÓN NO MICROCÍTICO METASTÁSICO. PI: AGUADO DE LA ROSA, CARLOS.

ECL.21/756. ESTUDIO DE FASE 1B/3 DE BEMARITUZUMAB MÁS QUIMIOTERAPIA Y NIVOLUMAB FRENTE A QUIMIOTERAPIA Y NIVOLUMAB EN MONOTERAPIA EN SUJETOS CON CÁNCER GÁSTRICO Y DE LA UNIÓN GASTROESOFÁGICA AVANZADO NO TRATADO PREVIAMENTE CON SOBREEXPRESIÓN DE FGFR2B (FORTITUDE-102). PI: SASTRE VALERA, JAVIER.

ECL.21/763. REGISTRO NACIONAL GEIS 78: ESTUDIO OBSERVACIONAL DE LA EPIDEMIOLOGÍA E HISTORIA NATURAL DE TUMORES MESENQUIMALES. PI: MARQUINA OSPINA, GLORIA.

ECL.21/777. ESTUDIO DE FASE II, ABIERTO, MULTICÉNTRICO Y ALEATORIZADO, DEL TRATAMIENTO NEOADYUVANTE Y ADYUVANTE DE PACIENTES CON CÁNCER DE PULMÓN NO MICROCÍTICO RESECABLE, EN ESTADIO INICIAL (II A IIIA) (NEOCOAST-2). PI: AGUADO DE LA ROSA, CARLOS.

ECL.22/038. EVALUACIÓN FASE 1/2A/3 DE LA SEGURIDAD Y EFICACIA DE AÑADIR AL3828 (ANLOTINIB, INN: CATEQUENTINIB), UN INHIBIDOR DEL RECEPTOR DUAL TIROSINA QUINASA, A LA QUIMIOTERAPIA ESTÁNDAR BASADA EN PLATINO EN SUJETOS CON CARCINOMA ENDOMETRIAL, OVÁRICO, DE TROMPAS DE. PI: CASADO HERRÁEZ, ANTONIO.

ECL.22/039. OLAPARIB Y DURVALUMAB (MEDI4736) EN PACIENTES CON CÁNCER DE PÁNCREAS METASTÁSICO Y ALTERACIONES EN LOS GENES DE REPARACIÓN DE DAÑO EN EL ADN. PI: SASTRE VALERA, JAVIER.

ECL.22/071. A MULTICENTER, RANDOMIZED, OPEN-LABEL, BLINDED ENDPOINT EVALUATION, PHASE 3 STUDY COMPARING THE EFFECT OF ABELACIMAB RELATIVE TO APIXABAN ON VENOUS THROMBOEMBOLISM (VTE) RECURRENCE AND BLEEDING IN PATIENTS WITH CANCER ASSOCIATED VTE (ASTER).. PI: PÉREZ SEGURA, PEDRO.

ECL.22/073. ESTUDIO EN FASE III, ALEATORIZADO, DOBLE CIEGO Y CONTROLADO CON PLACEBO DE DEBIO 1143 EN COMBINACIÓN CON QUIMIOTERAPIA CON UN DERIVADO DEL PLATINO Y RADIOTERAPIA DE INTENSIDAD MODULADA CON FRACCIONAMIENTO CONVENCIONAL EN PACIENTES CON CARCINOMA ESCAMOSO D. PI: CABEZAS CAMARERO, SANTIAGO.

ECL.22/088-E. CARACTERIZACIÓN MOLECULAR DE TUMORES DE OVARIO CON MUTACIÓN EN BRCA E IDENTIFICACIÓN DE MECANISMOS DE RESISTENCIA Y RESPUESTA A OLAPARIB. PI: MANZANO FERNÁNDEZ, ARÁNZAU.

ECL.22/104. INVESTIGACIÓN Y DESARROLLO DE NUEVAS ESTRATEGIAS PARA LA DETECCIÓN PRECOZ Y LA PREVENCIÓN DEL CÁNCER GÁSTRICO EN LA POBLACIÓN ESPAÑOLA: PROYECTO EPIGASTRIC/EDGAR. PI: GARCÍA PAREDES, BEATRIZ.

ECL.22/110. Estudio de fase III, doble ciego, aleatorizado y controlado con placebo para evaluar la eficacia y la seguridad de capivasertib + docetaxel frente a placebo + docetaxel como tratamiento para pacientes con cáncer de próstata resistente a la castración meta. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.22/147. ESTUDIO DE FASE III, MULTICÉNTRICO, ALEATORIZADO Y ABIERTO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE GIREDESTRANT ADYUVANTE EN COMPARACIÓN CON LA MONOTERAPIA ENDOCRINA ADYUVANTE ELEGIDA POR EL MÉDICO EN PACIENTES CON CÁNCER DE MAMA INCIPIENTE CON RECEPTO. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.22/231. ESTUDIO FASE III, RANDOMIZADO, ABIERTO CON SAVOLITINIB EN COMBINACIÓN CON OSIMERTINIB VERSUS QUIMIOTERAPIA BASADA EN DOBLETE DE PLATINO EN PARTICIPANTES CON CÁNCER DE PULMÓN NO MICROCÍTICO LOCALMENTE AVANZADO O METASTÁSICO CON MUTACIÓN EGFR Y MET POSITIVO. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.22/267. UN ESTUDIO DE FASE IA/IB, ABIERTO, DE ESCALADA DE DOSIS DE LA COMBINACIÓN DE BI 907828 CON BI 754091 (EZABENLIMAB) Y BI 754111, Y LA COMBINACIÓN DE BI 907828 CON BI 754091 (EZABENLIMAB) SEGUIDO DE COHORTES DE EXPANSIÓN, EN PACIENTES CON TUMORES SÓLIDOS. PI: MANZANO FERNÁNDEZ, ARÁNZAU.

ECL.22/290. ESTUDIO DE FASE I/IIA, ABIERTO Y MULTICÉNTRICO, PARA EVALUAR LA SEGURIDAD, TOLERABILIDAD, FARMACOCINÉTICA Y, DE MANERA PRELIMINAR, LA EFICACIA DE ART0380, UN INHIBIDOR DE LA QUINASA ATR, ADMINISTRADO POR VÍA ORAL EN MONOTERAPIA Y EN COMBINACIÓN A PACIENTE. PI: MANZANO FERNÁNDEZ, ARÁNZAU.

ECL.22/374. OPAL STUDY: A PAN EUROPEAN OBSERVATIONAL COHORT STUDY DESCRIBING CLINICAL CHARACTERISTICS, TREATMENT PATTERNS AND OUTCOMES IN PATIENTS DIAGNOSED WITH HEPATOCELLULAR CARCINOMA (HCC): THE SPANISH COHORT. ESTUDIO OPAL: ESTUDIO OBSERVACIONAL DE COHORTES PANEU. PI: SASTRE VALERA, JAVIER.

ECL.22/379. ESTUDIO DE FASE III ALEATORIZADO, MULTICÉNTRICO Y ABIERTO DE LURBINECTEDINA COMO AGENTE ÚNICO O LURBINECTEDINA EN COMBINACIÓN CON IRINOTECÁN FRENTE A LA ELECCIÓN DEL INVESTIGADOR (TOPOTECÁN O IRINOTECÁN) EN PACIENTES CON CÁNCER DE PULMÓN DE CÉLULAS PEQUEÑAS. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.22/427. PRIMER ENSAYO EN HUMANOS, ABIERTO, DE AUMENTO ESCALONADO DE LA DOSIS CON COHORTES DE AMPLIACIÓN PARA EVALUAR LA SEGURIDAD Y LA ACTIVIDAD ANTINEOPLÁSICA DE GEN1042 EN SUJETOS CON TUMORES SÓLIDOS MALIGNOS. A FIRST-IN-HUMAN, OPEN-LABEL, DOSE-ESCALATION TRIA. PI: MANZANO FERNÁNDEZ, ARÁNZAU.

ECL.22/429. STUDY OF ctDNA AS PROGNOSTIC FACTOR ON RESECTABLE STAGE IIIA NSCLC PATIENTS TREATED WITH NEOADJUVANT TREATMENT IN REAL WORLD ESTUDIO DE CTDNA COMO FACTOR PRONÓSTICO EN PACIENTES CON CÁNCER DE PULMÓN NO MICROCÍTICO EN ESTADIO IIIA RESECABLE TRATADOS CON TR. PI: AGUADO DE LA ROSA, CARLOS.

ECL.22/451. ESTUDIO ADAPTATIVO DE RAMAS TIPO PARAGUAS, FASE 1/2 Y ABIERTO, CON FÁRMACOS EN INVESTIGACIÓN CON O SIN PEMBROLIZUMAB EN PARTICIPANTES CON CARCINOMA UROTELIAL LOCALMENTE AVANZADO O METASTÁSICO RESISTENTE A INHIBIDORES DE PD-1/L1 (KEYMAKER-U04): SUBESTUDIO . PI: PUENTE VÁZQUEZ, JAVIER.

ECL.22/470. MULTICENTRIC, OBSERVATIONAL STUDY TO EVALUATE REAL WORLD DATA OF AVELUMAB IN FIRST LINE MAINTENANCE THERAPY FOR ADVANCED OR METASTATIC UROTHELIAL CARCINOMA, A SOGUG STUDY. ESTUDIO MULTICÉNTRICO, OBSERVACIONAL PARA EVALUAR DATOS DE VIDA REAL DE AVELUMAB C. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.22/484. ESTUDIO ABIERTO, MULTICÉNTRICO, DE FASE 1B/2 CON E7386 EN COMBINACIÓN CON PEMBROLIZUMAB EN PACIENTES PREVIAMENTE TRATADOS CON TUMORES SÓLIDOS ESPECÍFICOS/ AN OPEN-LABEL, MULTICENTER, PHASE 1B/2 STUDY OF E7386 IN COMBINATION WITH PEMBROLIZUMAB IN PREVIOUSLY. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.22/489. PROTOCOLO DE ESTUDIO OBSERVACIONAL CA209-6LY TRATAMIENTO Y RESULTADOS CLÍNICOS EN EL MUNDO REAL EN PACIENTES CON CÁNCER DE PULMÓN EN ESTADIO I-III EN ESPAÑA: ESTUDIO OBSERVACIONAL, RETROSPECTIVO Y MULTICÉNTRICO (ESTUDIO REALUNG). PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.



## ONC.2

### Cancer and Obesity



#### Leading researcher

Antonio José Torres García

#### Members

Alejandra García Botella	Luis Ignacio Díez Valladares
Ana María Gómez Martínez	Luis Miguel Estela Villa
Andrés Sánchez Pernaute	M <sup>a</sup> Inmaculada Domínguez Serrano
Antonio José Torres García	M <sup>a</sup> Pilar Iniesta Serrano
Carlos Alfredo Fraile Olivero	María Elia Pérez Aguirre
Carmen De Juan Chocano	Mariela Lizet Florez Gamarra
Daniel Rivera Alonso	Mikel Rojo Abecia
Elka Jaimes León	Mónica Andrea Musteanu
Esther Martín García-Almenta	Óscar Cano Valderrama
Florentino Hernando Trancho	Pablo Picaporte Fuentes
Jaime Otero De Pablos	Patricia Saez Carlín
José Luis García Galocha	Sofía Cristina De La Serna Esteban
Jose María Mugüerza Husvet	Sofía Elena Tesolato
José Ramón Jarabo Sarceda	Vanessa Catalán Garza
Luis Ignacio Díez Valladares	

#### Scientific production

Nº of papers (WoS)	<b>35</b>
% Open Access (Nº)	<b>40%</b> (14)
% Citable Items (Nº)	<b>61%</b> (20)
Nº of papers JCR indexed	<b>33</b>
Q1 (citable items)	<b>50%</b> (10)
Cumulative IF	<b>94,845</b>
Average IF	<b>4,742</b>

## ONC.2

### Overview

Since its inception in 1992, numerous research projects have been developed by the Cancer and Obesity group in collaboration with researchers from the Department of Biochemistry and Molecular Biology, the Faculty of Pharmacy of the Universidad Complutense, and researchers from the II Surgery Services, Anatomic Pathology and Oncology Services of the Hospital San Carlos. The main objectives of the work have been mainly directed to the establishment of molecular diagnosis and prognosis of patients suffering from various carcinogenic processes. Ultimately, these studies will be useful in the creation of customized treatment protocols dependent of the detected molecular alterations.

Currently, tumor types under investigation are non-small cell lung cancer and gastrointestinal cancers, especially colorectal and gastric cancer.

Among recent year's achievements, results concerning the investigation of telomere function in non-small cell lung cancer and colorectal cancer associated with the prognosis of affected patients must be highlighted. According to the group's data, the value of the telomere status is considered as a prognostic factor in different types of human cancers that could be explained through the analysis of molecules related with the cellular senescence pathways. Thus, an established genetic signature comprising a small number of molecules would be useful in the establishment of the prognosis of affected patients that have undergone curative intent surgery.

More recently we have incorporated Obesity (and its treatment by Bariatric Surgery) as a new oncological promoter. We also started stool microbiota studies to go deeper investigating the relationship between telomere status, different molecular disorders, microbiota, and obesity.

### Selected publications

Gebelli, Jordi Pujol, Lazzara, Claudio, Ruiz de Gordejuela, Amador Garcia, Nora, Mario, Pereira, Ana Marta, SÁNCHEZ PERNAUTE, ANDRÉS, Osorio, Javier, Sobrino, Lucia, TORRES GARCÍA, JOSÉ ANTONIO. Duodenal Switch vs. Single-Anastomosis Duodenal Switch (SADI-S) for the Treatment of Grade IV Obesity: 5-Year Outcomes of a Multicenter Prospective Cohort Comparative Study. *OBESITY SURGERY*. 2022; 32 (12): 3839-3846. DOI: 10.1007/s11695-022-06317-0. FI: 3,479. (Q2).

Gomez de Antonio, David, Crowley Carrasco, Silvana, Romero Roman, Alejandra, Royuela, Ana, Sanchez Calle, Alvaro, Obiols Fornell, Carme, Call Caja, Sergi, Embun, Raul, Royo, Inigo, Luis Recuero, Jose, Cabanero, Alberto, Moreno, Nicolas, Bolufer, Sergio, Congregado, Miguel, Jimenez, Marcelo F., Aguinagalde, Borja, Amor-Alonso, Sergio, Jesus Arraras, Miguel, Blanco Orozco, Ana Isabel, Boada, Marc, Cal, Isabel, Cilleruelo Ramos, Angel, Fernandez-Martin, Elena, Garcia-Barajas, Santiago, Dolores Garcia-Jimenez, Maria, Maria Garcia-Prim, Jose, Alberto Garcia-Salcedo, Jose, Jose Gelbenzu-Zazpe, Juan, Fernando Giraldo-Ospina, Carlos, Gomez Hernandez, Maria Teresa, Hernandez, Jorge, Illana Wolf, Jennifer D., Jauregui Abularach, Alberto, Jimenez, Unai, Lopez Sanz, Iker, Martinez-Hernandez, Nestor J., Martinez-Tellez, Elisabeth, Milla Collado, Lucia, Mongil Poce, Roberto, Javier Moradiellos-Diez, Francisco, Moreno-Basalobre, Ramon, Moreno Merino, Sergio B., Quero-Valenzuela, Florencio, Elena Ramirez-Gil, Maria, Ramos-Izquierdo, Ricard, Rivo, Eduardo, Rodriguez-Fuster, Alberto, Rojo-Marcos, Rafael, Sanchez-Lorente, David, Sanchez Moreno, Laura, Simon, Carlos, Carlos Trujillo-Reyes, Juan, Lopez Garcia, Cipriano, Fibla Alfará, Juan Jose, Sesma Romero, Julio, HERNANDO TRANCHO, FLORENTINO. Surgical Risk Following Anatomic Lung Resection in Thoracic Surgery: A Prediction Model Derived From a Spanish Multicenter

Database. *ARCHIVOS DE BRONCONEUMOLOGIA*. 2022; 58 (5): 398-405. DOI: 10.1016/j.arbres.2021.01.039. FI: 6,333. (Q1).

SÁNCHEZ PERNAUTE, ANDRÉS, RUBIO HERRERA, MIGUEL ÁNGEL, PÉREZ FERRE, NATALIA, Saez Rodriguez, Carlos, Marcuello, Clara, Panella, Clara, LOPEZ ANTOÑANZAS, LEYRE, TORRES GARCÍA, ANTONIO JOSÉ, PÉREZ AGUIRRE, MARÍA ELIA. Long-Term Results of Single-Anastomosis Duodeno-ileal Bypass with Sleeve Gastrectomy (SADI-S). *OBESITY SURGERY*. 2022; 32 (3): 682-689. DOI: 10.1007/s11695-021-05879-9. FI: 3,479. (Q2).

### New competitive funding

CFO.F01AEACaP. FISSIOS® AND POSTOPERATIVE COMPLICATIONS (FPOC TRIAL). ENSAYO CLÍNICO MULTICÉNTRICO, ALEATORIZADO Y CONTROLADO COMPARANDO UN PROGRAMA PRESENCIAL DE FISIOTERAPIA RESPIRATORIA PERIOPERATORIA VERSUS EL USO DE FISSIOS APP® COMO COMPLEMENTO DE UN PROGRAMA DE F. PI: FRAILE OLIVERO, CARLOS ALFREDO.

### New non competitive funding

ECL.19/549. Obesidad, Microbiota y Función Telomérica en Cáncer. Relevancia de la Microbiota intestinal en el eje intestino-pulmón. PI: TORRES GARCÍA, ANTONIO JOSÉ.

ECL.21/761. CREACIÓN DE ANASTOMOSIS POR COMPRESIÓN LATERAL CON EL SISTEMA DE ANASTOMOSIS MAGNÉTICA (SISTEMA MAGNET) DE GT METABOLIC SOLUTIONS PARA LOGRAR UNA DERIVACIÓN DUODENO-ÍLEON EN PACIENTES ADULTOS CON OBESIDAD Y CON O SIN DIABETES MELLITUS DE TIPO 2: EST. PI: TORRES GARCÍA, ANTONIO JOSÉ.

## ONC.3

### Pathological Anatomy

**NEW  
GROUP**

#### Leading researcher

Luis Ortega Medina

#### Members

Alicia García Montes-Jovellar  
 Cristina Diaz Del Arco  
 David de Pablo Velasco  
 Dolores García López  
 Elena Milagrosa Molina Roldán  
 Estela Labad Delgado  
 Isabel Casado Fariñas  
 José Antonio Cortés Toro  
 Luis Ortega Medina  
 M<sup>a</sup> De Los Ángeles Cerón Nieto  
 María Carmen Sáez Rodríguez  
 María Jesús Fernandez Aceñero  
 María Luisa Gonzalez Morales  
 María Luisa Suarez Solis  
 Melchor Saiz-Pardo Sanz  
 Ricardo García Martínez

#### Scientific production

N° of papers (WoS)	<b>18</b>
% Open Access (N°)	<b>78%</b> (14)
% Citable Items (N°)	<b>94%</b> (17)
N° of papers JCR indexed	<b>18</b>
Q1 (citable items)	<b>71%</b> (12)
D1 (citable items)	<b>12%</b> (2)
Cumulative IF	<b>113,328</b>
Average IF	<b>6,666</b>



## ONC.3

### Selected publications

TAXONERA SAMSÓ, CARLOS, FERNANDEZ ACEÑERO, MARÍA JESUS, OLIVARES QUINTANAR, DAVID, Calvo, Marta, Casis, Begona, Bermejo, Fernando, Serrano, Pilar Lopez, Iborra, Marisa, Mesonero, Francisco, Watts, Maia Bosca, DIAZ DEL ARCO, CRISTINA, Vera, Isabel, Olivares, Sonsoles, Algaba, Alicia, ALBA LÓPEZ, CRISTINA. Association of golimumab trough concentrations during maintenance with clinical, biological, endoscopic and histologic remission in patients with ulcerative colitis. ALIMENTARY PHARMACOLOGY & THERAPEUTICS. 2022; 56 (4): 614-624. DOI: 10.1111/apt.16964. FI: 9,524. (D1).

Souza-Neto, Francisco, ISLAS RAMIREZ, FABIAN O NORE, Jimenez-Gonzalez, Sara, LUACES MÉNDEZ, MARÍA, Ramchandani, Bunty, Romero-Miranda, Ana, Delgado-

Valero, Beatriz, MOLINA ROLDÁN, ELENA MILAGROSA, SAIZ-PARDO SANZ, MELCHOR, CERON NIETO, M<sup>º</sup> DE LOS ANGELES, ORTEGA MEDINA, LUIS, Martinez-Martinez, Ernesto, Cachofeiro, Victoria . Mitochondrial Oxidative Stress Promotes Cardiac Remodeling in Myocardial Infarction through the Activation of Endoplasmic Reticulum Stress. ANTIOXIDANTS. 2022; 11 (7). DOI: 10.3390/antiox11071232. FI: 7,675. (D1).

Robles, Javier, Pintado-Berninches, Laura, Boukich, Issam, Escudero, Beatriz, de los Rios, Vivian, Bartolome, Ruben A., Jaen, Marta, Martin-Regalado, Angela, FERNANDEZ ACEÑERO, MARÍA JESUS, Ignacio Imbaud, Juan, Ignacio Casal, Jose . A prognostic six-gene expression risk-score derived from proteomic profiling of the metastatic colorectal cancer secretome. JOURNAL OF PATHOLOGY CLINICAL RESEARCH. 2022; 8 (6): 495-508. DOI: 10.1002/cjp2.294. FI: 4,373. (Q2).

## ONC.4

### Cell Signaling Mechanisms during Development and Tumor Progression



#### Leading researcher

Almudena Porras Gallo

#### Members

Álvaro Gutiérrez Uzquiza  
 Ángel Cuesta Martínez  
 Aránzazu Sánchez Muñoz  
 Beatriz Pacheco González  
 Blanca María Herrera González  
 Celia Sequera Hurtado  
 Cesáreo Roncero Romero  
 Cristina Baquero Mayo  
 María Rodrigo Faus  
 Nerea Palao Treviño  
 Paloma Bragado Domingo

#### Scientific production

N° of papers (WoS)	<b>16</b>
% Open Access (N°)	<b>81%</b> (13)
% Citable Items (N°)	<b>94%</b> (15)
N° of papers JCR indexed	<b>16</b>
Q1 (citable items)	<b>60%</b> (9)
D1 (citable items)	<b>33%</b> (5)
Cumulative IF	<b>111,7</b>
Average IF	<b>7,453</b>



## ONC.4

### Overview

Our group is focused on the study of different signal transduction pathways and their role in the regulation of cellular functions such as proliferation, differentiation, apoptosis, adhesion, cell migration, invasion and tumor dormancy in order to characterize the function of these pathways in the liver pathophysiology, tumor processes and cardiovascular diseases. Among the studied pathways, it is important to highlight MAPKs, especially p38 MAPKs; the nucleotide exchange factor, C3G; tyrosine kinase receptors, in particular, Met and EGF receptors; and some members of the TGF-beta superfamily, specifically, TGF-beta, BMP9, and their receptors. As tools for our studies, different in vivo and in vitro models are used, which includes p38 alpha and c-met conditional knockout mouse models, transgenic mice overexpressing wild type or a C3G mutant lacking the catalytic domain in platelets and liver; a transgene expressing an EGFR mutant form in the liver; as well as primary cells and cell lines derived from these models, such as hepatocytes, adult liver progenitor cells and tumor cell lines from different origins. The in vivo chick chorioallantoic membrane assay is also used to study tumorigenesis. In addition, CRISPR technology is used at high and low scale to identify new genes involved in cancer.

The group has extensive experience in the characterization of molecular mechanisms that mediate the actions of these signals, and the cross-talk between different signaling pathways.

Ultimately, the final goal of our research is to contribute to the knowledge of the signaling network that controls the liver pathophysiology, tumor growth and generation of metastasis and cardiovascular diseases. The function of platelets in these contexts is also on the focus, hoping that this knowledge can be applied to the search of new therapeutical tools against various diseases.

### Selected publications

LAZCANO REDONDO, YERA, Garcia-Saez, Juan, Gonzalez-Corrado, Carlos, RONCERO ROMERO, CESÁREO, SANZ ORTEGA, JULIÁN, Martín-Rodríguez, Carlos, Pilar Valdecantos, M., Martínez-Palacian, Adoracion, ALMALÉ DEL BARRIO, LAURA, BRAGADO DOMINGO, PALOMA, Calero-Perez, Silvia, FERNÁNDEZ LUCAS, ALBERTO, Garcia-Bravo, Maria, Guerra, Carmen, Montoliu, Lluís, Carlos Segovia, Jose, Valverde, Angela M., Fabregat, Isabel, HERRERA GONZÁLEZ, BLANCA MARÍA, SÁNCHEZ MUÑOZ, ARÁNZA ZU. Lack of EGFR catalytic activity in hepatocytes improves liver regeneration following DDC-induced cholestatic injury by promoting a pro-restorative inflammatory response. *JOURNAL OF PATHOLOGY*. 2022; 258 (3): 312-324. DOI: 10.1002/path.6002. FI: 7,3. (D1).

SÁNCHEZ MUÑOZ, ARÁNZA ZU, Roos, Victorine H., Navarro, Matilde, Pineda, Marta, Caballol, Berta, Moreno, Lorena, Carballal, Sabela, Rodriguez-Alonso, Lorena, Cajal, Teresa Ramon Y., Lloret, Gemma, Pinol, Virginia, Lopez-Fernandez, Adria, Salces, Inmaculada, Pico, Maria Dolores, Rivas, Laura, Bujanda, Luis, Garzon, Marta, Pizarro, Angeles, de Castro, Eva Martinez, Lopez-Arias, Maria Jesus, POVES FRANCES, CARMEN, Garau, Catalina, Rodriguez-Alcalde, Daniel, Herraiz, Maite, Alvarez-Urrutia, Cristina, Dacal, Andres, Carrillo-Palau, Marta, Cid, Lucia, Ponce, Marta, Barreiro-Alonso, Eva, Saperas, Esteban, Aguirre, Elena, Romero, Cristina, Bastiaansen, Barbara, Gonzalez-Acosta, Maribel, Morales-Romero, Blai, Ocana, Teresa, Rivero-Sanchez, Liseth, Jung, Gerhard, Bessa, Xavier, Cubiella, Joaquin, Jover, Rodrigo, Rodriguez-Moranta, Francisco, Balmana, Judith, Brunet, Joan, Castells, Antoni, Dekker, Evelien, Capella, Gabriel, Serra-Burriel, Miquel, Moreira, Leticia, Pellise, Maria, Balaguer, Francesc. Quality of Colonoscopy Is Associated With Adenoma Detection and Postcolonoscopy Colorectal Cancer Prevention in Lynch Syndrome. *CLINICAL GASTROENTEROLOGY AND HEPATOLOGY*. 2022; 20 (3): 611-. DOI: 10.1016/j.cgh.2020.11.002. FI: 12,6. (D1).

PALAO TREVIÑO, NEREA, SEQUERA HURTADO, CELIA, CUESTA MARTÍNEZ, ÁNGEL, Baquero, Cristina, BRAGADO DOMINGO, PALOMA, GUTIERREZ UZQUIZA, ALVARO, SÁNCHEZ MUÑOZ, ARÁNZA ZU, Guerrero, Carmen, PORRAS GALLO, ALMUDENA. C3G down-regulation enhances pro-migratory and stemness properties of oval cells by promoting an epithelial-mesenchymal-like process. *INTERNATIONAL JOURNAL OF BIOLOGICAL SCIENCES*. 2022; 18 (15): 5873-5884. DOI: 10.7150/ijbs.73192. FI: 9,2. (Q1).

### Clinical practice guidelines

Remon, J., Bernabe, R., Diz, P., Felip, E., GONZÁLEZ LARRIBA, JOSÉ LUÍS, Lazaro, M., Mielgo-Rubio, X., SÁNCHEZ MUÑOZ, ARÁNZA ZU, Sullivan, I, Massutti, B. . SEOM-GECP-GETTHI Clinical Guidelines for the treatment of patients with thymic epithelial tumours (2021). *CLINICAL & TRANSLATIONAL ONCOLOGY*. 2022. Editorial: SPRINGER-VERLAG ITALIA SRL. ISBN/DOI: 10.1007/s12094-022-02788-w. Group: ONC.4.

### New competitive funding

APG.MICINN.22. Comprendiendo la radioterapia flash con dispositivos de tejido-en-chip y resonancia magnética mejorada con hiperpolarización: FLASHOnChip. PI: PORRAS GALLO, ALMUDENA. Funding organisation: MINISTERIO DE CIENCIA E INNOVACION.

### Mobility of researcher

Research mobility: Nerea Palao Treviño. Country: Francia. Center: INSTITUTE OF DEVELOPMENTAL BIOLOGY (Marseille). Date of departure: 09/05/2022. Return date: 11/08/2022.

## ONC.5

### Cannabinoid Signaling in Tumor Cells



#### Leading researcher

Guillermo Velasco Díez

#### Members

Adrián Sanz Gálvez

Ana García Casas

Angélica Martínez López

Carmen Ramírez Castillejo

Edurne Múgica Urruzola

Elena María Tovar Amber

Estíbaliz Gabicagoeascoa Corta

Fátima Rodríguez Fornés

Guiomar Infante Gutiérrez

Kunzangla Bhutia

M<sup>a</sup> Del Mar Lorente Pérez

Marco Cordani

Nélida Salvador Tormo

Óscar Gutiérrez Jiménez

Paola Martín Cabrera

Raquel Moraleda Esteban

Sonia Castillo Lluva

#### Scientific production

N° of papers (WoS)	<b>9</b>
% Open Access (N°)	<b>89%</b> (8)
% Citable Items (N°)	<b>89%</b> (8)
N° of papers JCR indexed	<b>9</b>
Q1 (citable items)	<b>75%</b> (6)
D1 (citable items)	<b>13%</b> (1)
Cumulative IF	<b>97,312</b>
Average IF	<b>19,462</b>

#### Overview

Since 2001, our group of the Faculty of Biology at the Universidad Complutense in Madrid has been developing a research line focused on the study of the molecular mechanisms underlying the antitumor activity of cannabinoids, as well as optimizing the conditions of the possible clinical application of these agents. During these investigations our has developed lines of research related with the role of autophagy in cancer, the role of sphingolipids in the regulation of autophagy, the control of mTORC1 and mTORC2 complexes and its potential role in cancer or the role of the midkine /ALK axis in gliomas. The group coordinated by Guillermo Velasco has published in some of the most important journals in the field of biomedicine, has obtained national and international public and private funding and established partnerships with pharmaceutical companies that have led to the development of patents. Likewise, the results obtained by his group have contributed to set the bases of several clinical trials.

## ONC.5

### Selected publications

Alcaraz-Sanabria, Ana, CABAÑAS MORAFRAILE, ESTHER, FERNÁNDEZ HINOJAL, GONZALO, VELASCO DÍEZ, GUILLERMO, PÉREZ SEGURA, PEDRO, Pandiella, Atanasio, Gyorffy, Balazs, OCAÑA FERNANDEZ, ALBERTO. Transcriptomic Mapping of Non-Small Cell Lung Cancer K-RAS p.G12C Mutated Tumors: Identification of Surfaceome Targets and Immunologic Correlates. FRONTIERS IN IMMUNOLOGY. 2022; 12. DOI: 10.3389/fimmu.2021.786069. FI: 8,786. (Q1).

Kim, Taewoo, Johnston, Jessica, CASTILLO LLUVA, SONIA, Cimas, Francisco J., Hamby, Stephen, Gonzalez-Moreno, Santiago, Villarejo-Campos, Pedro, Goodall, Alison H., VELASCO DÍEZ, GUILLERMO, OCAÑA FERNANDEZ, ALBERTO, Muthana, Munitta, Kiss-Toth, Endre, Cardiogenics Consortium . TRIB1 regulates tumor growth via controlling tumor-associated macrophage phenotypes and is associated with breast cancer survival and treatment response. THERANOSTICS. 2022; 12 (7): 3584-3600. DOI: 10.7150/thno.72192. FI: 11,6. (D1).

3.Garcia-Sancha, Natalia, Corchado-Cobos, Roberto, Gomez-Vecino, Aurora, Jimenez-Navas, Alejandro, Perez-Baena, Manuel Jesus, Blanco-Gomez, Adrian, Holgado-Madruga, Marina, Mao, Jian-Hua, Canueto, Javier, CASTILLO LLUVA, SONIA, Mendiburu-Elicabe, Marina, Perez-Losada, Jesus . Evolutionary Origins of Metabolic Reprogramming in Cancer. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. 2022; 23 (20). DOI: 10.3390/ijms232012063. FI: 6,208. (Q1).

### Alliances

RED2018-102379-T. Red de excelencia: Interacciones celulares y sistémicas entre el cáncer y la señalización metabólica.

### New competitive funding

PI21/00343. Hacia el Desarrollo de terapias individualizadas en gliomas basadas en el bloqueo del eje MDK/ALK y la utilización de cannabinoides. PI: VELASCO DÍEZ, GUILLERMO. Funding organisation: INSTITUTO DE SALUD CARLOS III.

### New non competitive funding

ECL.21/156. TOWARDS THE DEVELOPMENT OF INDIVIDUALIZED TREATMENTS AGAINST GLIOMAS BASED ON THE BLOCKADE OF THE MDK/ALK AXIS AND THE TREATMENT WITH CANNABINOIDS. PI: VELASCO DÍEZ, GUILLERMO.

### Mobility of researcher

Research mobility: ESTÍBALIZ GABICAGOGEASCOA CORTA. Country: REINO UNIDO. Center: AMLo Biosciences + University of Newcastle. Date of departure: 23/05/2022. Return date: 08/11/2022.

### Visiting researcher

Visiting researcher: Nathalia Freiras. Country of origin: Brasil. Center: Federal University of Bahia. Project: Tesis defendida, Artículo publicado y dos artículos en preparación, establecimiento de colaboraciones.

Visiting researcher: Diego López de Bonis. Country of origin: Reino Unido. Center: University of Surrey.

## ONC.6

### Women's Health Research Group



#### Leading researcher

Pluvio Jesús Coronado Martín

#### Members

Alejandra Mayoral Triana  
 Arantzazu Albarracín Solaeche  
 Concepción Cuenca González  
 Cristina Huerga López  
 Estefanía Ruipérez Pacheco  
 Francisco Javier García Santos  
 Ignacio Cristobal García  
 Jorge Ruiz Rodríguez  
 Juan Eloy Asenjo De La Fuente  
 Juana María Brenes Sánchez  
 Lucía Garvín Ocampos  
 Luis Monleón Llorente  
 M<sup>a</sup> Eugenia Olivares Crespo  
 M<sup>a</sup> Jesús Sánchez Martín  
 María Del Mar Ramírez Mena  
 María Josefa Herrera De La Muela  
 Miguel Ángel Herráiz Martínez  
 Miriam De La Puente Yagüe  
 Mónica Bellón De Amo  
 Myriam Gracia Segovia  
 Nuria Izquierdo Méndez  
 Ricardo Savirón Cornudella  
 Rocío Vacas Mata

#### Scientific production

Nº of papers (WoS)	<b>24</b>
% Open Access (Nº)	<b>96%</b> (22)
% Citable Items (Nº)	<b>50%</b> (12)
Nº of papers JCR indexed	<b>23</b>
Q1 (citable items)	<b>32%</b> (7)
Cumulative IF	<b>86,442</b>
Average IF	<b>3,929</b>

#### Overview

This recently created group is integrated in the Department of Obstetrics and Gynaecology and has a long research history. It consists of senior researchers and incorporates new researchers which invigorate the group character. The group members have expertise in several research fields related to Obstetrics and Gynecology, shown by several international research articles and alliances with national, as well as international groups. The most relevant alliances are: the European Organization for Research and Treatment of Cancer (EORTC), the Society of European Gynecological Robotic Surgery (SERGS), the Spanish Association for the Study of the Menopause (AEEM), the Spanish Society of Cervical Pathology and Colposcopy (AEPCC), the Gynecological Oncology and Mammary Pathology Section from the Spanish Society of Gynecology and Obstetrics (SEGO) and the Spanish Society of Laparoscopic and Robotic Surgery (SECLA). Within these organizations there is a representative which belongs to the research group. Furthermore, due to its university nature, this group is committed to teaching and development of doctoral theses and end-of-degree projects in Medicine.

## ONC.6

### Selected publications

Martinez Herreros, Maria Carmen, Rodriguez Munoz, Maria Fe, Mendez, Nuria Izquierdo, OLIVARES CRESPO, M<sup>a</sup> EUGENIA. Psychological, Psychosocial and Obstetric Differences between Spanish and Immigrant Mothers: Retrospective Observational Study. *International Journal of Environmental Research and Public Health*. 2022; 19 (18): -. DOI: 10.3390/ijerph191811782. FI: 4,614. (Q1).

CORONADO MARTÍN, PLUVIO JESÚS, Rychlik, Agnieszka, Baquedano, Laura, Garcia-Pineda, Virginia, Martinez-Maestre, Maria A., Querleu, Denis, Zapardiel, Ignacio. Survival Analysis in Endometrial Carcinomas by Type of Surgical Approach: A Matched-Pair Study. *Cancers*. 2022; 14 (4). DOI: 10.3390/cancers14041081. FI: 6,575. (Q1).

Quintana-Berto, Raquel, Padilla-Iserte, Pablo, Gil-Moreno, Antonio, Oliver-Perez, Reyes, CORONADO MARTÍN, PLUVIO JESÚS, Belen Martin-Salamanca, Maria, Pantoja-Garrido, Manuel, Lorenzo, Cristina, Cazorla, Eduardo, Gilabert-Estelles, Juan, Sanchez,. Oncological safety of hysteroscopy in endometrial cancer. *INTERNATIONAL JOURNAL OF GYNECOLOGICAL CANCER*. 2022; 32 (11): 1395-1401. DOI: 10.1136/ijgc-2022-003586. FI: 4,661. (Q1).

### New non competitive funding

ECL.22/003. IMPACTO DEL COVID-19 EN LA ATENCIÓN SANITARIA Y EL RIESGO DE CÁNCER DE CÉRVIX EN MADRID, ESPAÑA. PI: CRISTOBAL GARCÍA, IGNACIO.

ECL.22/146. ESTUDIO TRANSVERSAL PARA ESTIMAR LA COBERTURA DE VACUNACIÓN FRENTE AL VPH EN UN GRUPO ESPECÍFICO DE POBLACIÓN DE ALTO RIESGO EN ESPAÑA. CROSS-SECTIONAL STUDY TO ESTIMATE HPV VACCINE COVERAGE RATE IN A SPECIFIC HIGH-RISK POPULATION IN SPAIN CROSS- SECTION. PI: RAMIREZ MENA, MARÍA DEL MAR.

ICG.M01MSD. Financiación estudio Impacto del Covid-19 en la atención sanitaria y el riesgo de cáncer de cérvix en Madrid, España. Base de Datos del MISP: IISP 61383. PI: CRISTOBAL GARCÍA, IGNACIO. Funding organisation: MERCK SHARP & DOHME DE ESPAÑA S.A.

PCM.F01THE. Contrato de donación para Características vocales y sus implicaciones en la voz, habla y comunicación de las mujeres durante la menopausia” con código 20/674-E.. PI: CORONADO MARTÍN, PLUVIO JESÚS. Funding organisation: THERAMEX HEALTHCARE SPAIN, S.L.

PCM.M06MSD. Contrato para patrocinar el Programa XV Jornada de Formación en patología del tracto genital inferior y colposcopia el próximo 17 y 18 de mayo de 2022. PI: CORONADO MARTÍN, PLUVIO JESÚS. Funding organisation: MERCK SHARP & DOHME DE ESPAÑA S.A.



# Advanced technologies and model translation



# TEC



# Advanced technologies and model translation

## Groups

**TEC.1** Cell-biomaterial Interactions (BIO UCM)

**TEC.2** Organ and tissue on chip group and In-Vitro detection

**TEC.3** Pharmaceutical Innovation in Ophthalmology

**TEC.4** Biomaterials and Regenerative Medicine

**TEC.5** Clinical Neuroscience Laboratory

**TEC.6** Applied Research in Neuroscience (to: Neuromodulation and Neurorepair)

**TEC.7** Innovation: Surgery, Pharmaceuticals and Neuroengineering

**TEC.8** Biomedical Imaging Research

**TEC.9** Nuclear Physics Techniques and Instrumentation in Biomedicine



## ANNUAL GOALS

Find points of collaboration between research groups in the área

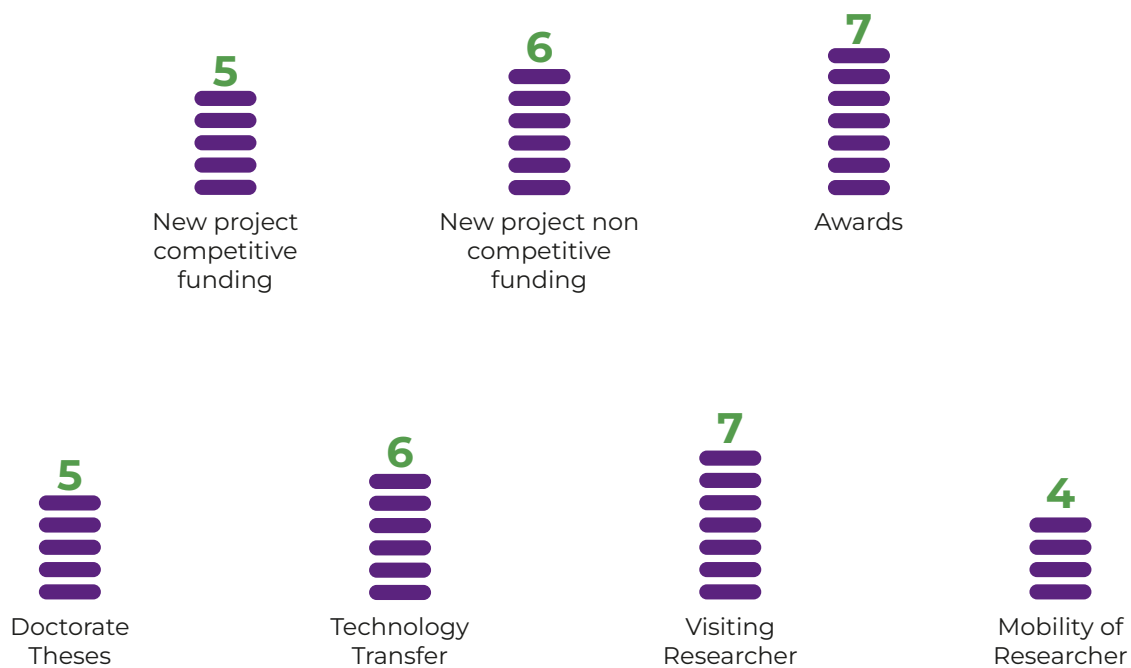


On going

## Accumulated Total professionals in the area



## Activity



## Scientific production

Nº of papers (WoS)

**67**

% OA

**67.16**

Nº of citable items

**56**

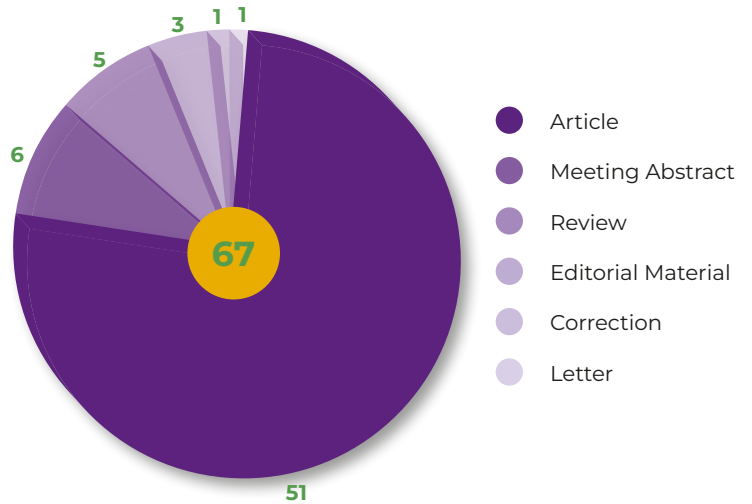
% IQ (Citable items)

**53.57**

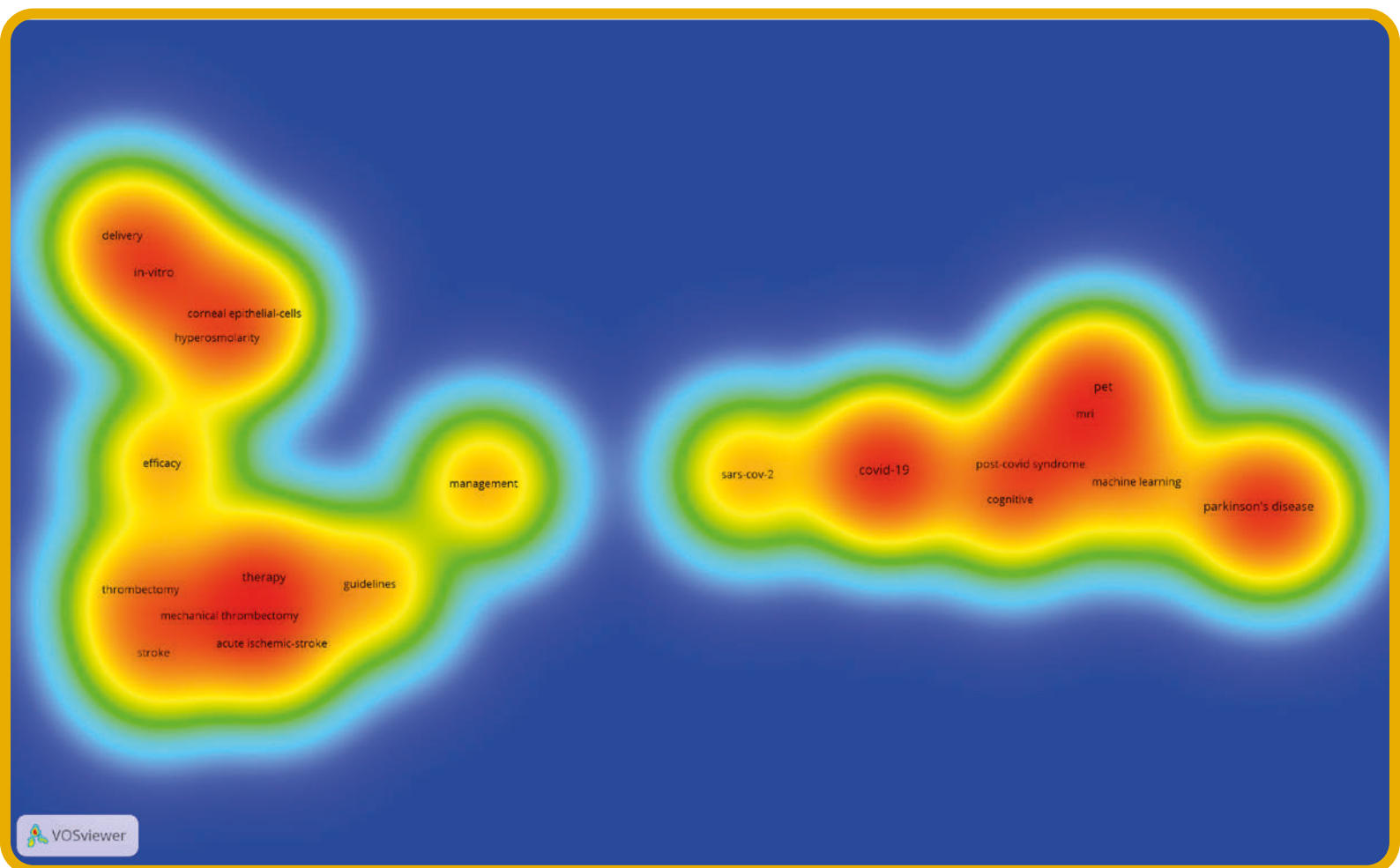
% ID (Citable items)

**14.28**

### Document type



### Keywords (> 5 frequency)



## Top 5 journals with the highest publication rate

During 2022, the Advanced Technologies and Model Translation area's researchers have published in a total of 56 different journals. The top 5 journals where they publish the most are shown below. It represents the 22.38% of the scientific production of this area. All of these journals are in the first quartile of the JCR 2022 for their thematic category.

JOURNAL	Nº OF PAPERS (WoS)	QUARTIL 2022	WoS CATEGORY	ARTICLE INFLUENCE SCORE 2022	JOURNAL CITATION INDICATOR 2022	IF (WITHOUT SELF-CITATIONS) 2022
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	6	Q1 (66/285)	BIOCHEMISTRY & MOLECULAR BIOLOGY	1.028	0.71	5
RADIOTHERAPY AND ONCOLOGY	3	Q1 (17/135)	RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING	1.511	1.40	5.1
BIOSENSORS-BASEL	2	Q1 (11/63)	INSTRUMENTS & INSTRUMENTATION	0.807	0.78	4.6
BRAIN STIMULATION	2	Q1 (18/212)	CLINICAL NEUROLOGY	2.368	1.78	7
JOURNAL OF NEUROINTERVENTIONAL SURGERY	2	Q1 (20/212)	SURGERY	1.465	1.97	4.1

## Selected 5 publications

**1.** PÉREZ GARCÍA, CARLOS NICOLÁS, ROSATI, SANTIAGO, GÓMEZ-ESCALONILLA ESCOBAR, CARLOS, ARRAZOLA GARCÍA, JUAN LORENZO, López-Frías, Alfonso, González, Eva, Fondevila, Jon, Vega, Pedro, Murías, Eduardo, Jiménez-Gómez, Elvira, Bravo Rey, Isabel, Macho, Juan, San Román, Luís, Rodríguez Caamano, Isabel, Julián Paipa, Andrés, Remollo, Sebastián, Aguilar Tejedor, Yeray, Bermúdez-Coronel, Isabel, Moliner, Sarai, Manuel Pumar, Jose, Bashir, Saima, Puig, Josep, López-Rueda, Antonio, Blasco, Jordi, Nogueira, Raúl G., MOREU GAMAZO, MANUEL. Stent-retriever alone versus combined use of stent-retriever and contact aspiration technique for middle cerebral artery M2 occlusions: a propensity score analysis. JOURNAL OF NEUROINTERVENTIONAL SURGERY. 2022; 14 (11): 1062-1067. DOI: 10.1136/neurintsurg-2021-017987. FI: 4,8. (D1).

**2.** Costa, Manuela, Lozano-Soldevilla, Diego, GIL NAGEL, ANTONIO, Toledano, Rafael, Oehrn, Carina R., Kunz, Lukas, Yebra, Mar, Mendez-Bertolo, Costantino, Stieglitz, Lennart, Sarnthein, Johannes, Axmacher, Nikolai, Moratti, Stephan, STRANGE, BRYAN ANDREW. Aversive memory formation in humans involves an amygdala-hippocampus phase code. NATURE COMMUNICATIONS. 2022; 13 (1): -. DOI: 10.1038/s41467-022-33828-2. FI: 16,6. (D1).

**3.** Aragón-Navas, Alba, Rodrigo, María J., GARCÍA HERRÁNZ, DAVID, Martiínez, Teresa, Subias, Manuel, Méndez, Silvia, Ruberte, Jesús, Pampalona, Judit, BRAVO OSUNA, IRENE, GARCÍA FEIJOÓ, JULIÁN, Pablo, Luís E., García-Martín, Elena, HERRERO VANRELL, ROCÍO. Mimicking chronic glaucoma over 6 months with a single intracameral injection of dexamethasone/fibronectin-loaded PLGA microspheres. DRUG DELIVERY. 2022; 29 (1): 2357-2374. DOI: 10.1080/10717544.2022.2096712. FI: 6. (Q1).

**4.** Jorge, Inmaculada, Ruíz, Víctor, Lavado-García, Jesús, Vázquez, Jesús, Hayashi, Cheryl, ROJO PÉREZ, FRANCISCO JOSÉ, Atienza, Jose M., Elices, Manuel, GUINEA TORTUERO, GUSTAVO VÍCTOR, PEREZ RIGUEIRO, JOSÉ. Expression of spidroin proteins in the silk glands of golden orb-weaver spiders. JOURNAL OF EXPERIMENTAL ZOOLOGY PART B-MOLECULAR AND DEVELOPMENTAL EVOLUTION. 2022; 338 (4): 241-253. DOI: 10.1002/jez.b.23117. FI: 2,2. (Q1).

**5.** Sánchez-Cordero, Sergi, Morales-Conde, Salvador, Santos, Raquel Sánchez, Pérez, Inés Rubio, Font, Roser Farre, Rodríguez, Jose Luís Ramos, del Castillo, Jose M Balibrea, MAYOL MARTÍNEZ, JULIO ÁNGEL. Trends of social networks in the American College of Surgeons Clinical Congress and the Congreso Nacional de Cirugía. Analysis of the #ACSCC20 and #CNCirugia2020. CIRUGIA ESPANOLA. 2022; 100 (9): 562-568. DOI: 10.1016/j.ciresp.2021.04.022. FI: 1,9. (Q3).



## Scientific production (2018 - 2022)

Nº of papers  
(WoS)

**367**

Nº of citable  
items

**296**

% of papers  
OA

**225**

Times  
Cited

**3,403**

Citing  
Articles

**2,986**

Average per  
item ( total  
papers WoS)

**8.14**

Average per  
year (Total  
papers WoS)

**425.38**

% Self-citations  
(Total papers  
WoS)

**15.43**

h index

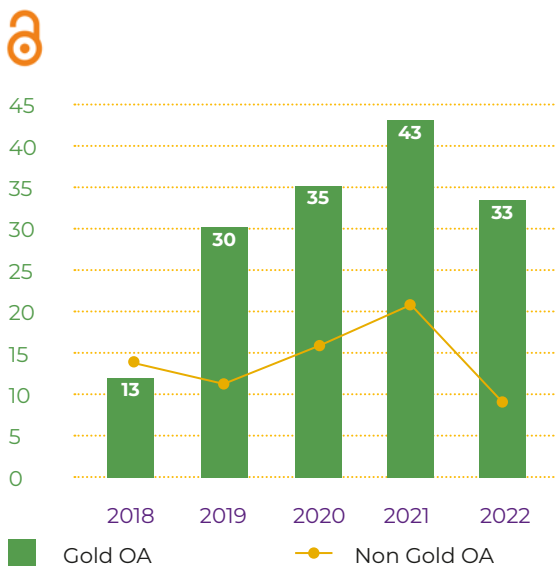
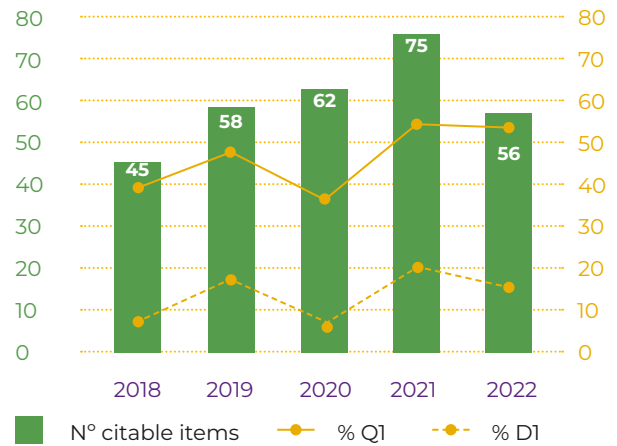
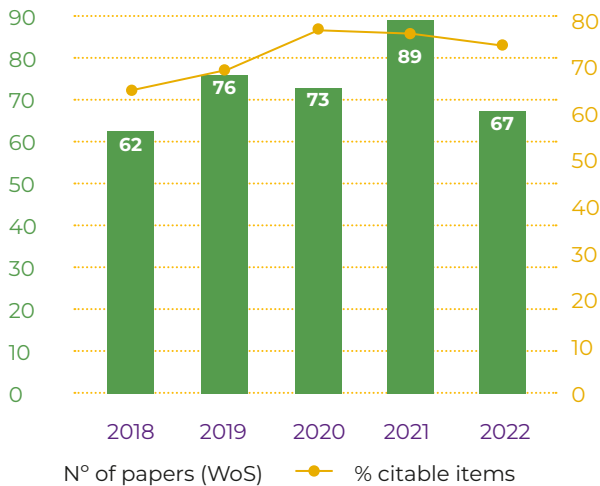
**28**

% Q1 (Total  
citable items)

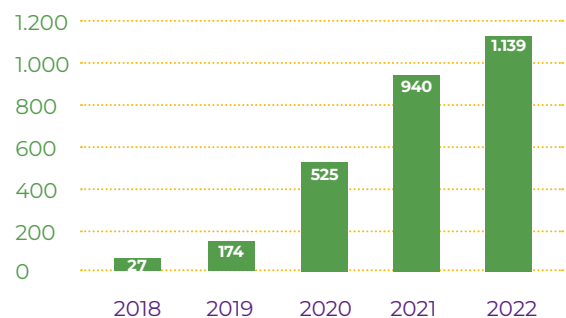
**46.96**

% D1 (Total  
citable items)

**13.85**



### Times cited by year

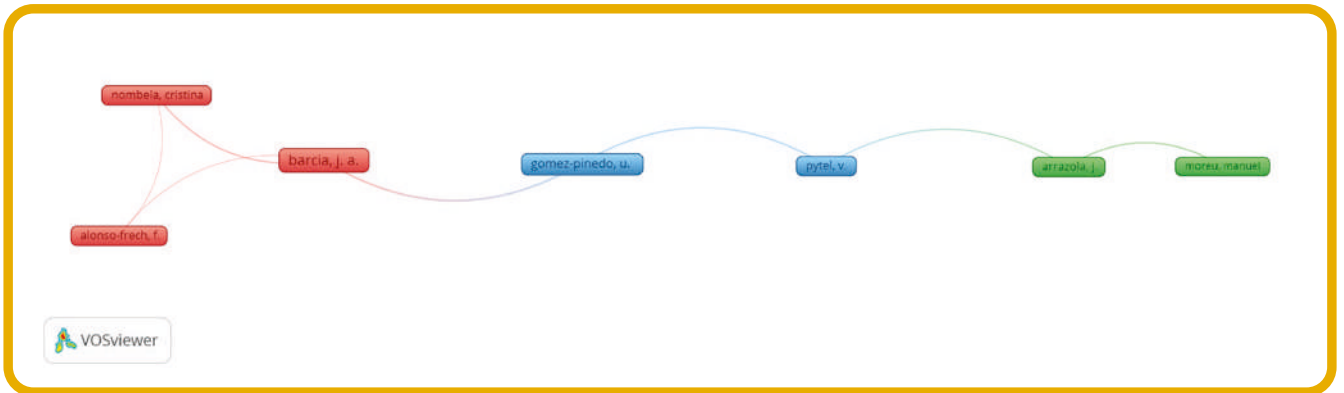


\* WoS download 20.07.2022

## Top 5 journals with the highest publication rate

TITLE	JOURNAL	TIMES CITED	YEAR	QUARTIL	WOS CATEGORY	ARTICLE INFLUENCE SCORE	OA TYPE
Stand-Alone Artificial Intelligence for Breast Cancer Detection in Mammography: Comparison With 101 Radiologists	JNCI-JOURNAL OF THE NATIONAL CANCER INSTITUTE	220	2019	Q1 (12/244)	ONCOLOGY	2	Gold OA
A unified connectomic target for deep brain stimulation in obsessive-compulsive disorder	NATURE COMMUNICATIONS	133	2020	Q1 (4/72)	MULTIDISCIPLINARY SCIENCES	5.565	Gold OA
International Consensus Based Review and Recommendations for Minimum Reporting Standards in Research on Transcutaneous Vagus Nerve Stimulation (Versión 2020)	FRONTIERS IN HUMAN NEUROSCIENCE	101	2021	Q2 (29/80)	PSYCHOLOGY	0.952	Gold OA
Vascular Inflammation in Subclinical Atherosclerosis Detected by Hybrid PET/MRI	JOURNAL OF THE AMERICAN COLLEGE OF RADIOLOGY	85	2019	Q1 (3/138)	CARDIAC & CARDIOVASCULAR SYSTEMS	7.833	No Gold OA
Can we reduce the workload of mammographic screening by automatic identification of normal exams with artificial intelligence? A feasibility study	EUROPEAN RADIOLOGY	80	2019	Q1 (321/134)	RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING	1.066	Gold OA

## Most cited authors ( > 25 papers)



## TEC.1

### Cell-biomaterial Interactions (BIO UCM)



#### Leading researcher

María Teresa Portolés Pérez

#### Members

Alberto Polo Montalvo

Laura Casarrubios Molina

María José Feito Castellano

Mónica Cicuéndez Maroto

Rosalía Díez Orejas

#### Scientific production

N° of papers (WoS)	3
% Open Access (N°)	100% (3)
% Citable Items (N°)	100% (3)
N° of papers JCR indexed	3
Q1 (citable items)	100% (3)
Cumulative IF	23,049
Average IF	7,683

*ciber* | BBN

#### Overview

The “cell-biomaterial interactions” (BIOUCM) research group, led by Professor Maria Teresa Portolés, studies the in vitro interactions of specific cell types (osteoblasts, pre-osteoblasts, osteoclasts, endothelial progenitor cells, fibroblasts, macrophages, lymphocytes, lung, liver and kidney cells) with different biomaterials (bioceramics, polymers, composites, graphene, nanoparticles, extracellular matrix hydrogels) designed for various biomedical applications (tissue engineering, drug delivery, antitumor treatment, neuronal regeneration). The studies are performed with different strategies, according to the biomedical application of each material, and considering the cell types that will come into contact in vivo.

The group has carried out the adsorption of growth factors on silicon-doped hydroxyapatite 3D macroporous scaffolds, evaluating the in vitro response of the cell types involved in bone regeneration and analyzing this process in vivo after implantation of these biomaterials in an osteoporotic ovine model. In vitro and in vivo studies are also being carried out with bioactive mesoporous nanoparticles that stimulate the formation of bone tissue and act as drug delivery systems for the prevention and treatment of osteoporotic fractures. Moreover, the group is currently participating in the European H2020-funded NeuroStimSpinal Project (FET Open) that addresses strategies for spinal cord repair after injury. With this objective, the group analyzes specific cellular responses to 3D scaffolds composed of graphene-derived materials in combination with human and porcine adipose tissue extracellular matrix. These studies include cytotoxicity assays and the evaluation of the immune response to these scaffolds and all their components, which will determine their acceptance or rejection after implantation in vivo.

## TEC.1

### Selected publications

Jimenez-Holguin, Javier, Arcos, Daniel, Lozano, Daniel, SAIZ-PARDO SANZ, MELCHOR, de Pablo, David, ORTEGA MEDINA, LUIS, Enciso, Silvia, Fernandez-Tome, Blanca, Diaz-Guemes, Idoia, Miguel Sanchez-Margallo, Francisco, CASARRUBIOS MOLINA, LAURA, PORT. In Vitro and In Vivo Response of Zinc-Containing Mesoporous Bioactive Glasses in a Sheep Animal Model. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. 2022; 23 (22): -. DOI: 10.3390/ijms232213918. FI: 6,208. (Q1).

Arcos, D., Gomez-Cerezo, N., SAIZ-PARDO SANZ, MELCHOR, de Pablo, D., ORTEGA MEDINA, LUIS, Enciso, S., Fernandez-Tome, B., Diaz-Guemes, I, Sanchez-Margallo, F. M., CASARRUBIOS MOLINA, LAURA, FEITO CASTELLANO, MARIA JOSE, PORTOLÉS PÉREZ, MARÍA TERESA. Injectable mesoporous bioactive nanoparticles regenerate bone tissue under osteoporosis conditions. ACTA BIOMATERIALIA. 2022; 151 (): 501-511. DOI: 10.1016/j.actbio.2022.07.067. FI: 10,633. (Q1).

FEITO CASTELLANO, MARIA JOSE, Cicuendez, Monica, CASARRUBIOS MOLINA, LAURA, DIEZ OREJAS, ROSALÍA, Fateixa, Sara, Silva, Daniela, Barroca, Nathalie, Marques,

Paula A. A. P., PORTOLÉS PÉREZ, MARÍA TERESA. Effects of Graphene Oxide and Reduced Graphene Oxide Nanostructures on CD4(+) Th2 Lymphocytes. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. 2022; 23 (18): -. DOI: 10.3390/ijms231810625. FI: 6,208. (Q1).

### Awards

Researcher aware: María Teresa Portolés Pérez. Winning work: Award: Valoración EXCELENTE, Vicerrectorado de Desarrollo y Calidad de la Docencia UCM, Programa Docencia UCM, Tramo de 6 cursos correspondiente a los trienios 2015-2018 y 2018-2021.

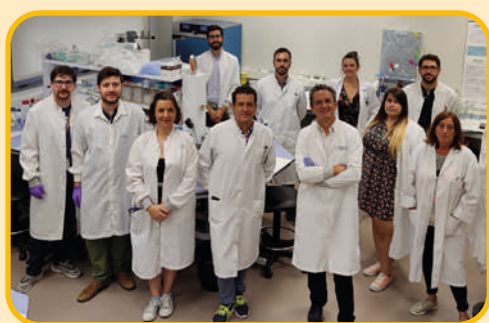
### Doctorate theses

Doctoral candidate: Laura Casarrubios Molina. Thesis title: "Respuesta celular a biomateriales diseñados para tratamiento de hueso osteoporótico". Director(s): María Teresa Portolés Pérez. University: Universidad Complutense de Madrid.



## TEC.2

### Organ and tissue on chip group and In-Vitro detection



#### Leading researcher

Miguel Holgado Bolaños

#### Members

Álvaro Lavín Hueros  
Ana López Hernandez  
Ana María Martín Murillo  
Beatriz Santamaria Fernández  
Jaime Tome Amat  
Luca Tramarin  
María Fe Lagurna Heras  
María Garrido Arandia  
Pedro Herreros Pérez  
Rafael Casquel Del Campo  
Rocío López Espinosa  
Sergio Andrés Quintero Moreno  
Yolanda Ramírez Alonso

#### Scientific production

N° of papers (WoS)	4
% Open Access (N°)	100% (4)
% Citable Items (N°)	100% (4)
N° of papers JCR indexed	4
Q1 (citable items)	100% (4)
Cumulative IF	21,923
Average IF	5,48

#### Overview

The Optics, Photonics and Biohotonics Group (GOFB) is specialized in Research, Technological Development and Innovation of advanced chemical, biochemical and in-vitro diagnostic systems, as well as in the implementation of photonic transducers and bio transducers on a chip, biokits, readout platforms, bioreactors, tissue-on-a-chip and organon-chips.

The main objective is the development of Tissue on-a-chip platforms with integrated In-Vitro diagnostic systems for Therapy evaluation and personalized medicine. Moreover, the continuous development of advanced In-Vitro diagnostic systems for multiple applications.



## TEC.2

### Selected publications

TRAMARIN, LUCA, Casquel, Rafael, Gil-Rostra, Jorge, Angel Gonzalez-Martinez, Miguel, Herrero-Labrador, Raquel, MARTIN MURILLO, ANA MARÍA, Laguna, María Fe, Banuls, María-Jose, Gonzalez-Elipe, Agustin R., HOLGADO BOLAÑOS, MIGUEL. Design and Characterization of ITO-Covered Resonant Nanopillars for Dual Optical and Electrochemical Sensing. *Chemosensors*. 2022; 10 (10): -. DOI: 10.3390/chemosensors10100393. FI: 4,229. (Q1).

MARTIN MURILLO, ANA MARÍA, Valle, Luis G., Ramirez, Yolanda, Jesus Sanchez, María, Santamaria, Beatriz, MOLINA ROLDÁN, ELENA MILAGROSA, Ortega-Madueno, Isabel, URCELAY GARCÍA, ELENA, TRAMARIN, LUCA, HERREROS PÉREZ, PEDRO, DIAZ PERALES, ARACELI, Garrido-Arandia, María, TOME AMAT, JAIME, Hernandez-Ramirez, Guadalupe, LOPEZ ESPINOSA, ROCIO, Laguna, María F., HOLGADO BOLAÑOS, MIGUEL. Integration of Multiple Interferometers in Highly Multiplexed Diagnostic KITS to Evaluate Several Biomarkers of COVID-19 in Serum. *BIOSENSORS-BASEL*. 2022; 12 (9): -. DOI:10.3390/bios12090671. FI: 5,743. (Q1).

HERREROS PÉREZ, PEDRO, Tapia-Gonzalez, Silvia, Sanchez-Olivares, Laura, Heras, María Fe Laguna, HOLGADO BOLAÑOS, MIGUEL. Alternative Brain Slice-on-a-Chip for Organotypic Culture and Effective Fluorescence Injection Testing. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*. 2022; 23 (5): -. DOI: 10.3390/ijms23052549. FI: 6,208. (Q1).

### Network research

Red Tematica - CIRCUITOS FOTONICOS INTEGRADOS DE MEMBRANA. RED 2018-102768-T; Funding: Agencia Estatal de Investigación.

### Awards

Researcher aware: Sergio Andrés Quintero Moreno. Winning work: Tesis doctoral: "Advanced Applications of Refractive Index Optical Interferometric Sensors". Award: Premio extraordinario de Tesis de la Universidad Politécnica de Madrid.

Researcher aware: Ana María Martín Murillo. Winning work: Una bióloga en apuros. Award: II Concurso tu tesis doctoral en un hilo de Twitter: #HiloTesis - UPM 2022.

### Doctorate theses

Doctoral candidate: Rocío López Espinosa. Thesis title: DEVELOPMENT OF AN IN VITRO DIAGNOSTIC SYSTEM FOR FOOD ALLERGIES. DESARROLLO DE UN SISTEMA DE DIAGNÓSTICO IN-VITRO PARA ALERGIAS ALIMENTARIAS. Director(s): Miguel Holgado Bolaños. University: UNIVERSIDAD POLITÉCNICA DE MADRID.

### New competitive funding

PI21/00781. Evaluación de aproximaciones terapéuticas para artrosis de rodilla mediante modelos in vitro 'tissue in a chip' e in vivo. PI: Benjamin Fernandez. Funding organisation: ISCII.

DESARES. Detección de presencia de sars-cov-2 en aguas residuales por técnicas de inmunoensayo en kits multiplexados. PI: Miguel Holgado. Funding organisation: Canal de Isabel II.

### Technology transfer

Método óptico de detección de una molécula objetivo mediante amplificación en la respuesta de interferencia por índice de refracción y dispersión. Date of granting: 19.10.2020. Date of licence: Copropiedad. Inventors: HOLGADO BOLAÑOS, Miguel; DIAZ PERALES, Araceli; GARRIDO ARANDIA, María; LÓPEZ ESPINOSA, Rocío; ROMERO SAHAGÚN, Alejandro; LAGUNAS HERAS, María Fe; FERNÁNDEZ PACIOS, Luis; SANTAMARÍA FERNÁNDEZ, Beatriz; RAMÍREZ ALONSO, Yolanda y SANZA GUTIÉRREZ, Francisco Javier.

Interferometric detection method. Date of granting: 05.02.2014. Date of licence: 15.01.2015. Inventors: HOLGADO BOLAÑOS, Miguel; SANZA GUTIÉRREZ, Francisco Javier; LAGUNA HERAS, María Fe LAVIN HUEROS, Álvaro CASQUEL DEL CAMPO, Rafael.

Sistema de detección óptica para bio-ensayos de alta sensibilidad sin marcado. Date of granting: 16.11.2011. Date of licence: 15.01.2015. Inventors: HOLGADO BOLAÑOS, Miguel; OCAÑA MORENO, José Luis; LAGUNA HERAS, María Fe MOLPECERES ÁLVAREZ, Carlos CASQUEL DEL CAMPO, Rafael MORALES FURIÓ, Miguel.

Procedimiento de marcaje, encriptación, etiquetado y codificación óptica. Date of granting: 22.07.2011. Inventors: BARRANCO QUERO, Ángel RODRIGUEZ GONZALEZ-ELIPE, Agustín SÁNCHEZ VALENCIA, Juan Ramón APARECIO REBOLLO, Francisco Javier BLASZCZYK-LEZAK, Iwona Krystina HOLGADO BOLAÑOS, Miguel; OCAÑA MORENO, José Luis; MOLPECERES ÁLVAREZ, Carlos CASQUEL DEL CAMPO, Rafael GARCÍA BALLESTEROS-RAMIREZ, Juan José MORALES FURIÓ, Miguel.

### Mobility of researcher

Research mobility: Sergio Andrés Quintero Moreno. Country: PORTUGAL. Center: IBERIAN NANOTECHNOLOGY LABORATORY. Date of departure: 44228. Return date: 45291.

Research mobility: Ana López Hernández. Country: ESTADO UNIDOS. Center: Terasaky Institute for Biomedical Innovation. Date of departure: 43739. Return date: 44742.

## TEC.3

### Pharmaceutical Innovation in Ophthalmology



#### Leading researcher

Rocío Herrero Vanrell

#### Members

Alba Aragón Navas

Beatriz De Las Heras Polo

David García Herranz

Irene Bravo Osuna

Irene Cuadrado Berrocal

Irene Teresa Molina Martínez

Jose Javier López Cano

M<sup>a</sup> Pilar Pastoriza Abal

Marco Brugnera

Marta Vicario De La Torre

Miriam Ana González-Cela Casamayor

#### Scientific production

N° of papers (WoS)	<b>7</b>
% Open Access (N°)	<b>85%</b> (7)
% Citable Items (N°)	<b>100%</b> (7)
N° of papers JCR indexed	<b>7</b>
Q1 (citable items)	<b>71%</b> (5)
Cumulative IF	<b>33,900</b>
Average IF	<b>4,843</b>

#### Overview

Since 1994, the research group “Pharmaceutical Innovation in Ophthalmology” has developed novel drug delivery systems for topical and intraocular administration such as liposomes for dry eye treatment (PI07/0012; PI10/00645PI13/00704; PI13/00516; PI11/01027; PI14/00193), microspheres for intra-ocular administration (U.S. Patent#5,718,922), new materials for intraocular drug delivery. (Project: MCyT- MAT2000-1764-C02-C01) and PLGA nano- and microparticles (MAT 2007-65288). Furthermore, the team is also investigating the role of neurotrophic factors encapsulated in PLGA microspheres for the treatment of posterior segment diseases involving neurodegeneration of retinal structures (glaucoma, age macular degeneration, diabetic retinopathy and retinitis pigmentosa, among others) (BIOAVAN PSS-300-100-2008, MAT 2010-18242 and MAT 2013-43127R). Recently the research group has participated in the FP7 program in the project Peptide-based Nanoparticles as Ocular Drug Delivery Vehicles (PANOPTES, ref. 246180, program FP7-NMP).

The team belongs to the Ophthalmic Network (Oftared) with active translational collaborations with other groups in the design of novel ophthalmic formulations and experience in the Transference of Technology (licensed patent of a novel artificial tear based on liposomes and bioadhesive polymers for the treatment of dry eye).

## TEC.3

### Selected publications

Aragon-Navas, Alba, Rodrigo, Maria J., GARCIA HERRANZ, DAVID, Martinez, Teresa, Subias, Manuel, Mendez, Silvia, Ruberte, Jesus, Pampalona, Judit, BRAVO OSUNA, IRENE, GARCÍA FEIJOO, JULIÁN, Pablo, Luis E., Garcia-Martin, Elena, HERRERO VANRELL, ROCÍO. Mimicking chronic glaucoma over 6 months with a single intracameral injection of dexamethasone/fibronectin-loaded PLGA microspheres. DRUG DELIVERY. 2022; 29 (1): 2357-2374. DOI: 10.1080/10717544.2022.2096712. FI: 6. (Q1).

Ana Gonzalez-Cela-Casamayor, Miriam, LÓPEZ CANO, JOSE JAVIER, BRAVO OSUNA, IRENE, ANDRÉS GUERRERO, VANESSA, VICARIO DE LA TORRE, MARTA, Guzman-Navarro, Manuel, BENÍTEZ DEL CASTILLO SÁNCHEZ, JOSÉ MANUEL, HERRERO VANRELL, ROCÍO, MOLINA MARTÍNEZ, IRENE TERESA. Novel Osmoprotective DOPC-DMPC Liposomes Loaded with Antihypertensive Drugs as Potential Strategy for Glaucoma Treatment. Pharmaceutics. 2022; 14 (7): -. DOI: 10.3390/pharmaceutics14071405. FI: 5,4. (Q1).

Brugnera, Marco, VICARIO DE LA TORRE, MARTA, ANDRÉS GUERRERO, VANESSA, BRAVO OSUNA, IRENE, MOLINA MARTÍNEZ, IRENE TERESA, HERRERO VANRELL, ROCÍO. Validation of a Rapid and Easy-to-Apply Method to Simultaneously Quantify Co-Loaded Dexamethasone and Melatonin PLGA Microspheres by HPLC-UV: Encapsulation Efficiency and In Vitro Release. Pharmaceutics. 2022; 14 (2): -. DOI: 10.3390/pharmaceutics14020288. FI: 5,4. (Q1).

### Doctorate theses

Doctoral candidate: JOSÉ JAVIER LÓPEZ CANO. Thesis title: NANOSISTEMAS DE ADMINISTRACIÓN OFTÁLMICA PARA EL TRATAMIENTO DE PATOLOGÍAS CRÓNICAS E INFLAMATORIAS. Director(s): IRENE TERESA MOLINA MARTINEZ. University: UNIVERSIDAD COMPLUTENSE DE MADRID.

Doctoral candidate: DAVID GARCÍA HERRANZ. Thesis title: MICROESFERAS BIODEGRADABLES EN EL DESARROLLO DE MODELOS ANIMALES DE GLAUCOMA Y COMO PLATAFORMAS HÍBRIDAS NEUROPROTECTORAS. Director(s): ROCIO HERRERO VANRELL. University: UNIVERSIDAD COMPLUTENSE DE MADRID.

### Visiting researcher

Research mobility: MARCO BRUGNERA. Country: REINO UNIDO. Center: UNIVERSITY OF BIRMINGHAM. Date of departure: 44739. Return date: 44834.

Research mobility: MARCO BRUGNERA. Country: ESPAÑA. Center: OCUPHARM DIAGNOSTIC S.L. Date of departure: 44851. Return date: 44885.

## TEC.4

### Biomaterials and Regenerative Medicine



#### Leading researcher

Gustavo Víctor Guinea Tortuero

#### Members

Ana María Quintana Prego

Blanca De Los Reyes González Bermúdez

Francisco José Rojo Pérez

Gustavo Ramón Plaza Baonza

José Miguel Atienza Riera

José Pérez Rigueiro

Pablo Sarabia Ortiz

Rafael Daza García

#### Scientific production

N° of papers (WoS)	<b>10</b>
% Open Access (N°)	<b>40%</b> (4)
% Citable Items (N°)	<b>100%</b> (9)
N° of papers JCR indexed	<b>9</b>
Q1 (citable items)	<b>33%</b> (3)
Cumulative IF	<b>29,500</b>
Average IF	<b>4,214</b>

#### Overview

The main objective of our laboratory is to investigate to develop new biomaterials for applications in regenerative medicine, mainly based on silk fibroin in different formats and on the biofunctionalization of conventional biomaterials. Related to this objective, our research also aims to contribute to the understanding of basic issues in the field of biomechanics. We work in four main areas of research in biomaterials, tissue engineering and biomechanics:

- (1) Development of new silk-based bio-inspired biomaterials.
- (2) Characterization and modeling of natural collagen-based materials (pericardium, tendons, blood vessels) and development of collagen-based prostheses.
- (3) Application of cell mechanics as a diagnostic tool and
- (4) functionalization of biomaterials to improve their biocompatibility





## TEC.4

### Selected publications

Jorge, Inmaculada, Ruiz, Víctor, Lavado-Garcia, Jesus, Vazquez, Jesus, Hayashi, Cheryl, ROJO PÉREZ, FRANCISCO JOSÉ, Atienza, Jose M., Elices, Manuel, GUINEA TORTUERO, GUSTAVO VÍCTOR, PEREZ RIGUEIRO, JOSÉ. Expression of spidroin proteins in the silk glands of golden orb-weaver spiders. *JOURNAL OF EXPERIMENTAL ZOOLOGY PART B-MOLECULAR AND DEVELOPMENTAL EVOLUTION*. 2022; 338 (4): 241-253. DOI: 10.1002/jez.b.23117. FI: 2,2. (Q1).

GONZÁLEZ BERMÚDEZ, BLANCA DE LOS REYES, Abarca-Ortega, Aldo, Gonzalez-Sanchez, Monica, de la Fuente, Monica, Plaza, Gustavo R. Possibilities of using T-cell biophysical biomarkers of ageing. *EXPERT REVIEWS IN MOLECULAR MEDICINE*. 2022; 24 (1): -. DOI: 10.1017/erm.2022.29. FI: 6,2. (Q1).

Lozano-Picazo, Paloma, Castro-Dominguez, Cristina, Bruno, Augusto Luis, Baeza, Alejandro, Martinez, Adelia S., Lopez, Patricia A., Castro, Angela, Lakhali, Yassmin, Montero, Elena, Colchero, Luis, Gonzalez-Nieto, Daniel, ROJO PÉREZ, FRANCISCO JOSÉ, PANETSOS PETROVA, FIVOS, GARCÍA-RAMOS GARCÍA, MARÍA ROCÍO, Daza, Rafael, Ganan-Calvo, Alfonso M., Elices, Manuel, GUINEA TORTUERO, GUSTAVO VÍCTOR, PEREZ RIGUEIRO, JOSÉ. Strategies for the Biofunctionalization of Straining Flow Spinning Regenerated Bombyx mori Fibers. *Molecules*. 2022; 27 (13): -. DOI: 10.3390/molecules27134146. FI: 4,6. (Q2).

### Awards

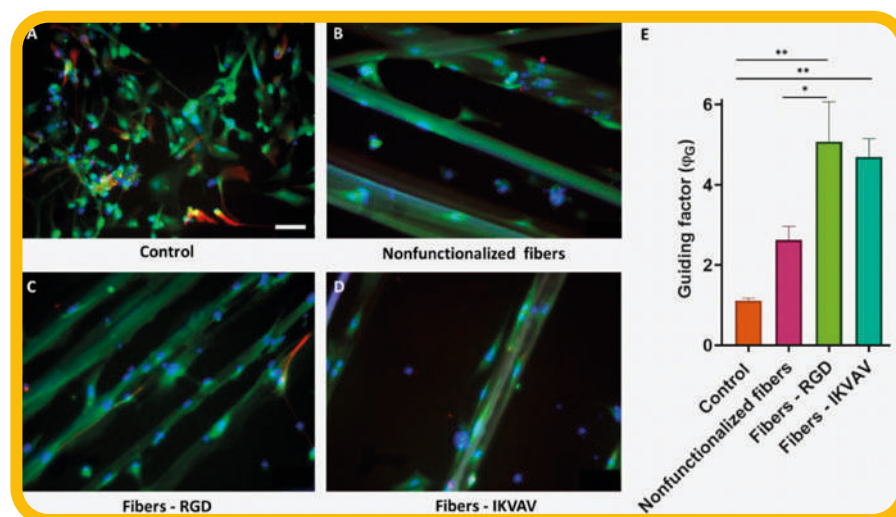
Researcher aware: José Pérez Rigueiro. Award: Premio de Innovación y Transferencia de Resultados de Investigación de la UPM.

### Technology transfer

MPatent: Dispositivo y método para realizar ensayos mecánicos sobre muestras micrométricas. Inventors: G. Plaza, G. Guinea, J. Pérez-Rigueiro, B. González, F. Rojo, R. Daza. Date of application: 27/12/2022.

### Mobility of researcher

Research mobility: Blanca de los Reyes González Bermúdez. Country: Francia. Center: Laboratory for Analysis and Architecture of Systems, Centre National de la Recherche Scientifique (LAAS-CNRS). Date of departure: 4/7/22. Return date: 4/8/23.



## TEC.5

### Clinical Neuroscience Laboratory



#### Leading researcher

Bryan Andrew Strange

#### Members

Alba Peris-Yague

Darya Rivka Frank

Diana Ortega Cruz

Dustin Fetterhoff

Manuela Costa

Marcos Raphael Benítez Aldás

Marta Casales Santa

Marta Garo Pascual

Robin Hellerstedt

Svenja Treu

#### Overview

The laboratory explores the brain basis of cognitive function in healthy individuals and in patients with neurological diseases, especially memory disorders. The laboratory is affiliated with several clinical institutions in Madrid, providing an interdisciplinary platform for clinical and cognitive neuroscience.

The laboratory employs a multimodal approach to the study of human memory, and currently conducts studies using:

- Magnetic Resonance Imaging (MRI).
- Magnetic resonance imaging (MRI)
- Magnetoencephalography (MEG)
- Intracranial recordings in humans

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#### Scientific production

N° of papers (WoS)	2
% Open Access (N°)	100% (2)
% Citable Items (N°)	100% (2)
N° of papers JCR indexed	2
Q1 (citable items)	50% (1)
D1 (citable items)	50% (1)
Cumulative IF	21,400
Average IF	10,700

- Psychopharmacology
- Transcranial Magnetic Stimulation (TMS)
- Cognitive effects of deep brain stimulation (DBS).

#### Objectives:

- To elucidate the electrophysiological mechanisms underlying human amygdala-hippocampal-cortical coupling, which derives to better recall of salient stimuli.
- To extend the role of the human hippocampus in detecting unpredictable stimuli, in order to define its function in orchestrating cortical dynamics in unpredictable environments.
- To discover the neural dynamics of the response of the human mesolimbic dopaminergic dopamine system to salient stimuli, and to understand how these relate to memory.

## TEC.5

### Selected publications

Costa, Manuela, Lozano-Soldevilla, Diego, GIL NAGEL, ANTONIO, Toledano, Rafael, Oehrn, Carina R., Kunz, Lukas, Yebra, Mar, Mendez-Bertolo, Costantino, Stieglitz, Lennart, Sarthein, Johannes, Axmacher, Nikolai, Moratti, Stephan, STRANGE, BRYAN ANDREW. Aversive memory formation in humans involves an amygdala-hippocampus phase code. NATURE COMMUNICATIONS. 2022; 13 (1): -. DOI: 10.1038/s41467-022-33828-2. FI: 16,6. (D1).

BARCIA ALBACAR, JUAN ANTONIO, Viloría, María Aurora, Yubero, Raquel, SANCHEZ SANCHEZ DE ROJAS, LEYRE, Lopez, Amanda, STRANGE, BRYAN ANDREW, Cabrera, María, Canuet, Leonides, GIL GREGORIO, PEDRO, NOMBELA OTERO, CRISTINA. Directional DBS of the Fornix in Alzheimer's Disease Achieves Long-Term Benefits: A Case Report. FRONTIERS IN AGING NEUROSCIENCE. 2022; 14 (1): -. DOI: 10.3389/fnagi.2022.809972. FI: 4,8. (Q2).

### Doctorate theses

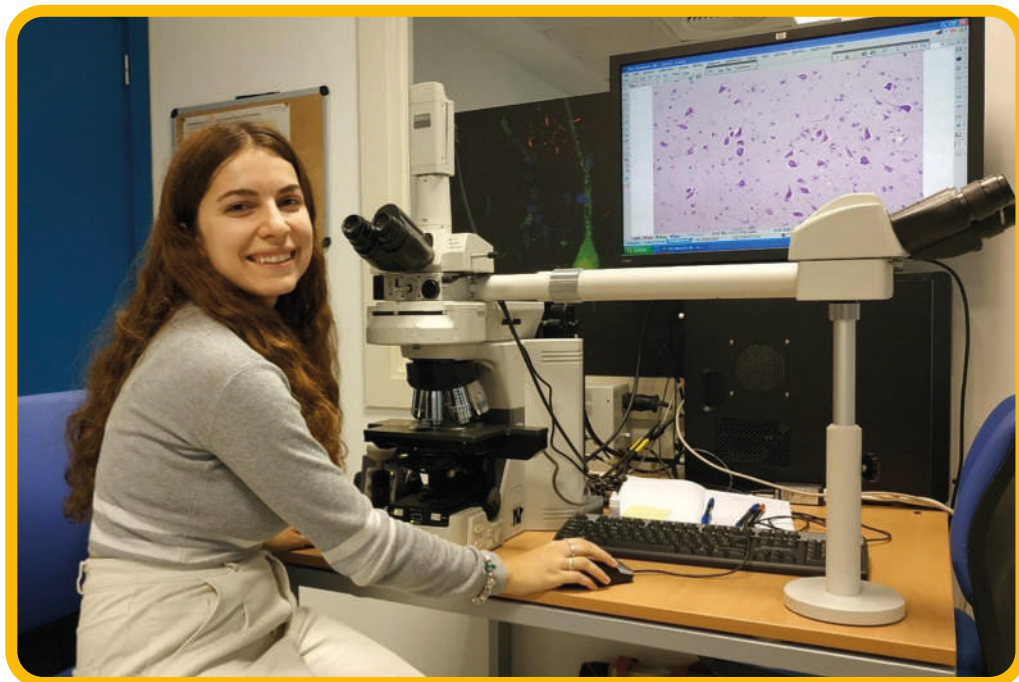
Doctoral candidate: Svenja Treu. Thesis title: Memory Enhancement in Humans by Nucleus Accumbens Deep Brain Stimulation. Director(s): Luis Carretie. University: Universidad Autónoma de Madrid.

### New competitive funding

PCI2021-122046-2B. NEEMA: Novelty and Expectation Effects on Memory in Ageing . PI: BRYAN STRANGE. Funding organisation: PLAN ESTATAL.

### Mobility of researcher

Alba Peris. Country: Inglaterra. Center: Cambridge. Date of departure: 17/09/2022. Return date: 30/05/2023.



Diana Ortega Cruz, PhD student in Bryan Strange's group, working on the project on the association of MRI changes with pathological findings, specifically hippocampal sclerosis.

## TEC.6

### Applied Research in Neuroscience (to: Neuromodulation and Neurorepair)

#### Leading researcher

Juan Antonio Barcia Albacar

#### Members

Adela Fraile Pereda

Albert Trondín

Alberto Del Cerro Leon

Fernando Jose Rascón Ramírez

Idoya Barca Fernández

Irene Jiménez Coca

María Rebeca Lliguin León

María Victoria Acedo Diaz-Pache

Martín Carrasco Gómez

M<sup>o</sup> De Las Mercedes González Hidalgo

Oleza López Cantó

Pedro Alonso Lera

#### Scientific production

N° of papers (WoS)	<b>6</b>
% Open Access (N°)	<b>67%</b> (4)
% Citable Items (N°)	<b>67%</b> (4)
N° of papers JCR indexed	<b>6</b>
Q1 (citable items)	<b>50%</b> (2)
D1 (citable items)	<b>25%</b> (1)
Cumulative IF	<b>19,789</b>
Average IF	<b>4,947</b>

#### Overview

This research group aims to promote the reorganization and repair of damaged brain through neurosurgical procedures.

For this purpose, brain stimulation through classical functional neurosurgery is used to restore the lost equilibrium upon pathological processes. To this end, physiological experiments will be used for the identification of new stimulation targets, and functional imaging techniques (fMRI, DTI, MEG, Deeg, dECOG), for the optimization of stimulation targets in Parkinson's disease and other movement disorders, such as epilepsy, pain, and psychiatric disorders like obsessive-compulsive disorder, depression, schizophrenia, aggressiveness, impulsivity, memory disorders and dementia.

Secondly, paired brain stimulation will be used as a method to induce plastic changes in the brain, allowing the extended resection of brain tumors and the treatment of brain injuries accompanied by brain injury (such as stroke), cortical degeneration (dementias) or injuries associated with defects in brain development, such as schizophrenia or personality disorders.

Thirdly, adult cells of autologous or heterologous origin will be used to promote neural regeneration after brain damage, either by the use of stem cells from fat, from involving olfactory glial cells or from stem cells differentiated into neural precursors.

Finally, biomaterials for the induction of axonal regeneration and cortical reconstruction with interest in neurodegenerative (Parkinson, ALS), vascular (stroke) or traumatic diseases will be used.



## TEC.6

### Selected publications

BARCIA ALBACAR, JUAN ANTONIO, Vitoria, Maria Aurora, Yubero, Raquel, SANCHEZ SANCHEZ DE ROJAS, LEYRE, Lopez, Amanda, STRANGE, BRYAN ANDREW, Cabrera, Maria, Canuet, Leonides, GIL GREGORIO, PEDRO, NOMBELA OTERO, CRISTINA. Directional DBS of the Fornix in Alzheimer's Disease Achieves Long-Term Benefits: A Case Report. *FRONTIERS IN AGING NEUROSCIENCE*. 2022; 14 (1): -. DOI: 10.3389/fnagi.2022.809972. FI: 5,702. (Q1).

FERNANDEZ GARCIA, CARLA, Monje, Mariana H. G., MAYORDOMO CASADO, BLANCA, Foffani, Guglielmo, Herranz, Rafael, CATALÁN ALONSO, MARÍA JOSÉ, Gonzalez-Hidalgo, Mercedes, MATÍAS-GUIU GUIA, JORGE, ALONSO FRECH, FERNANDO. Long-term directional deep brain stimulation: Monopolar review vs. local field potential guided programming. *BRAIN STIMULATION*. 2022; 15 (3): 727-736. DOI: 10.1016/j.brs.2022.04.015. FI: 9,184. (D1).

RASCON RAMIREZ, FERNANDO JOSE. Spinal cord stimulation and cauda equina syndrome: Could it be a valid option? A report of two cases. *Neurocirugia*. 2022; 33 (2): 90-94. DOI: 10.1016/j.neucir.2020.12.002. FI: 0,817. (Q4).

### New non competitive funding

ECL.20/521. Randomised, double-blind, placebo-controlled, clinical study to evaluate the effect of opicapone 50 mg on Parkinson's disease patients with motor fluctuations and associated pain. PI: ALONSO FRECH, FERNANDO.

ECL.21/535. ESTUDIO PRO (DESENLACES RETROSPECTIVOS DE PRECISION). PI: RASCON RAMIREZ, FERNANDO JOSE.

### Technology transfer

BIOHÍBRIDO PARA SU USO EN LA REGENERACIÓN DE TRACTOS NEURALES. European Patent Application no. EP15869394.5 (entry into the European phase based on International Application PCT/ES2015/070909). Application date: 24/06/17. Withdrawal date: 17/8/20. Ownership: 37,5% FIBHCSC/62,5% UPV.



## TEC.7

### Innovation: Surgery, Pharmaceuticals and Neuroengineering



#### Leading researcher

Julio Ángel Mayol Martínez

#### Members

Abel Sánchez Jiménez  
 Andres Sebastián Santiago Saez  
 Antonio Murciano Cespedosa  
 Celia Herrera Rincón  
 Cristina González Pérez  
 Elena Arredondo Lillo  
 Federico Álvarez García  
 Fivos Panetsos Petrova  
 Giuseppe Fico  
 Ignacio Martínez Capella  
 Joan Chafer Vilaplana  
 Jorge Nieto De Vicente-Arche  
 José Manuel Martínez Sesmero  
 Laura Llorente Sanz  
 M<sup>a</sup> Jesús Peña Soria  
 María Molinero Muñoz  
 Milagros Merino Fernández  
 Rocío Anula Fernández  
 Santiago Zazo Bello

#### Scientific production

Nº of papers (WoS)	<b>18</b>
% Open Access (Nº)	<b>69%</b> (11)
% Citable Items (Nº)	<b>78%</b> (14)
Nº of papers JCR indexed	<b>16</b>
Q1 (citable items)	<b>36%</b> (4)
D1 (citable items)	<b>18%</b> (2)
Cumulative IF	<b>56,014</b>
Average IF	<b>5,092</b>



#### Overview

The objectives of our research group are as follows:

- To develop interdisciplinary research projects in the areas of innovation, surgery, neuroengineering, and pharmacy, integrating scientific and clinical knowledge with engineering, robotics, and artificial intelligence tools.
- To promote the transfer of research outcomes to the market, supporting researchers and innovators in the process of entrepreneurship and creating value-added products or services for the healthcare sector.
- To collaborate with other national and international research groups, as well as public and private entities in the healthcare, academic, and industrial fields, to foster cooperation and the exchange of knowledge and experiences.
- To participate in national and European competitive funding calls and programs, especially within the framework of the State Plan for Scientific, Technical, and Innovation Research 2021-2023 and Horizon 2020.
- To educate and train professionals and researchers in the competencies and skills necessary for innovation in the field of medicine and health.

## TEC.7

### Selected publications

Pinto Pastor, Pilar, Dorado Fernandez, Enrique, Herreros, Benjamin, Albarran Juan, Elena, SANTIAGO SAEZ, ANDRES SEBASTIÁN. Judicial consequences in Spain for the completion of the medical death certificate. INTERNATIONAL JOURNAL OF LEGAL MEDICINE. 2022; 136 (1): 365-372. DOI: 10.1007/s00414-021-02733-6. FI: 2,1. (Q2).

Sanchez-Cordero, Sergi, Morales-Conde, Salvador, Santos, Raquel Sanchez, Perez, Ines Rubio, Font, Roser Farre, Rodriguez, Jose Luis Ramos, del Castillo, JoseM Balibrea, MAYOL MARTÍNEZ, JULIO ÁNGEL. Trends of social networks in the American College of Surgeons Clinical Congress and the Congreso Nacional de Cirugía. Analysis of the #ACSCC20 and #CNCirugia2020. CIRUGIA ESPANOLA. 2022; 100 (9): 562-568. DOI: 10.1016/j.ciresp.2021.04.022. FI: 1,9. (Q3).

TERRIZA ROBERTO, MIGUEL, Navarro, Jorge, Retuerta, Irene, ALFAGEME LOPEZ, NURIA, San-Segundo, Ruben, Kontaxakis, George, Garcia-Martin, Elena, Marijuan, Pedro C., PANETSOS PETROVA, FIVOS. Use of Laughter for the Detection of Parkinson's Disease: Feasibility Study for Clinical Decision Support Systems, Based on Speech Recognition and Automatic Classification Techniques. International Journal of Environmental Research and Public Health. 2022; 19 (17): -. DOI: 10.3390/ijerph191710884. FI: 4,614. (Q1).

### Awards

Researcher aware: Julio Mayol Martínez. Award: Premio 2022 a la Trayectoria Internacional en la Protección del Derecho de la Salud.

Researcher aware: Paz Pacheco Ramos et al. Winning work: Digitalización y Seguridad en la elaboración de citostáticos. Award: Ruta de la Innovación Madrid 2022 de la Sociedad Madrileña de Farmacia Hospitalaria.

Researcher aware: José Manuel Martínez Sesmero et al. Winning work: To BI or not to be: Business intelligence para análisis de actividad de telefarmacia. Award: Beca Sedisa Aلسedisa 2022 a la innovación en la gestión sanitaria.

### New competitive funding

INTEGRATE GUADARRAMA. Desarrollo de un modelo de recogida y explotación de información sanitaria usando herramientas de Business Intelligence. Funding organisation: Hospital de Guadarrama.

PULSAR\_BY ROCHE (creación de una aceleradora de startups del área oftalmológicas). Funding organisation: Roche Farma.

### Visiting researcher

Visiting researcher: LINDA BRAKE. Country of origin: ALEMANIA. Center: EBERHARD KARLS UNIVERSITAT TÜBINGEN.

Visiting researcher: AGUSTÍN RODRIGUEZ. Country of origin: ESPAÑA. Center: HCSC FARMACOLOGÍA CLÍNICA. Project: PARTICIPÓ EN PROYECTO "MIGRAÑAS" Sub Proyecto BDCLIN HCSC-IdISSC.

Visiting researcher: TERESA IGLESIAS. Country of origin: ESPAÑA. Center: HCSC FARMACOLOGÍA CLÍNICA. Project: PARTICIPÓ EN "QMAMA" PROYECTO DE CREACIÓN DE UN BANCO DE DATOS CLÍNICOS DE LA UNIDAD DE PATOLOGÍA MAMARIA DEL HOSPITAL CLÍNICO SAN CARLOS - SUBPROYECTO BDCLIN.

Visiting researcher: JAVIER BENITEZ. Country of origin: ESPAÑA. Center: HCSC ONCOLOGÍA.

Visiting researcher: Marco Branzi, Samuele Manente. Country of origin: ITALIA. Center: Universidad de Padúa. Project: ANALYSIS OF CRITICAL FACTORS AFFECTING CHRONIC DISEASES PATHWAY. Subproyecto 20/502-E\_COVID. Investigadores colaboradores: Universidad Pontificia de Comillas ICAI, Universidad de Padúa, Unidad de Innovación HCSC.

## TEC.8

### Biomedical Imaging Research



#### Leading researcher

Juan Lorenzo Arrazola García

#### Members

Alfonso Calzado Cantera  
 Ana Bustos García De Castro  
 Ana María Crespo Rodríguez  
 Ángel Peña Peña Melián  
 Beatriz Cabeza Martínez  
 Beatriz Lannegrand Menéndez  
 Eduardo Guibelalde Del Castillo  
 Eliseo Vaño Galván  
 Francisco José Valderrama Canales  
 Íñigo De La Pedraja Gómez-Ceballos  
 Joaquín Ferreiros Domínguez  
 José Francisco Rodríguez Vázquez  
 José Manuel Espejo Domínguez  
 Jose Ramon Sañudo Tejero  
 Juan Lorenzo Arrazola García  
 Lidia Gil Martínez  
 M<sup>a</sup> Teresa Vázquez Osorio  
 Manuel Moreu Gamazo  
 Manuela Jorquera Moya  
 Margarita Chevalier Del Rio  
 María Del Carmen Polidura Arruga  
 María Natividad Gomez Ruiz  
 Noelia Arévalo Galeano  
 Ramiro Méndez Fernández  
 Ricardo Rodríguez González  
 Susana Martín Garre

#### Scientific production

Nº of papers (WoS)	<b>12</b>
% Open Access (Nº)	<b>91%</b> (10)
% Citable Items (Nº)	<b>58%</b> (7)
Nº of papers JCR indexed	<b>11</b>
Q1 (citable items)	<b>60%</b> (6)
D1 (citable items)	<b>30%</b> (3)
Cumulative IF	<b>47,200</b>
Average IF	<b>4,720</b>

#### Overview

Our group is multidisciplinary, oriented to biomedical imaging techniques, including the evaluation of new technologies, analysis and processing methods of imaging, the clinical practical application, as well as the technological development.

Our location at the Hospital Clínico facilitates the connection of the clinical environment with basic specialties and teaching departments of the University.

The research in our group is addressed in two ways. The most clinical aspect towards the test itself, evaluating its effectiveness and safety, and towards their clinical applications, evaluating their diagnostic or therapeutic possibilities. The other technological aspect is aimed at evaluating technologies for its standardization, accreditation and optimization, with emphasis on radioprotection and image analysis, for the design and evaluation of detection, integration, simulation or communication systems.

The group also intends to generate potentially transferable results to companies, it also offers its services to other research groups that include testing of biomedical imaging in their research projects.

## TEC.8

### Selected publications

Blasco, Jordi, Puig, Josep, Lopez-Rueda, Antonio, Daunis-i-Estadella, Pepus, Llull, Laura, Zarco, Federico, Macias, Napoleon, Macho, Juan, Gonzalez, Eva, Labayen, Ion, Vega, Pedro, Murias, Eduardo, Jimenez-Gomez, Elvira, Bravo Rey, Isabel, MOREU GAMAZO, MANUEL, PEREZ GARCIA, CARLOS NICOLAS, Chirife Chaparro, Oscar, Aixut, Sonia, Terceno, Mikel, Werner, Mariano, Pumar, Jose Manuel, Aguilar Tejedor, Yeray, Mendez, Jose Carlos, Moliner, Sarai, Nogueira, Raul G., San Roman, Luis, ROSSETTI Grp. Addition of intracranial aspiration to balloon guide catheter does not improve outcomes in large vessel occlusion anterior circulation stent retriever based thrombectomy for acute stroke. JOURNAL OF NEUROINTERVENTIONAL SURGERY. 2022; 14 (9): 863-867. DOI: 10.1136/neurintsurg-2021-017760. FI: 4,8. (D1).

PEREZ GARCIA, CARLOS NICOLAS, ROSATI, SANTIAGO, GÓMEZ-ESCALONILLA ESCOBAR, CARLOS, ARRAZOLA GARCÍA, JUAN LORENZO, Lopez-Frias, Alfonso, Gonzalez, Eva, Fondevila, Jon, Vega, Pedro, Murias, Eduardo, Jimenez-Gomez, Elvira, Bravo Rey, Isabel, Macho, Juan, San Roman, Luis, Rodriguez Caamano, Isabel, Julian Paipa, Andres, Remollo, Sebastian, Aguilar Tejedor, Yeray, Bermudez-Coronel, Isabel, Moliner, Sarai, Manuel Pumar, Jose, Bashir, Saima, Puig, Josep, Lopez-Rueda, Antonio, Blasco, Jordi, Nogueira, Raul G., MOREU GAMAZO, MANUEL. Stent-retriever alone versus combined use of stent-retriever and contact aspiration technique for middle cerebral artery M2 occlusions: a propensity score analysis. JOURNAL OF NEUROINTERVENTIONAL SURGERY. 2022; 14 (11): 1062-1067. DOI: 10.1136/neurintsurg-2021-017987. FI: 4,8. (D1).

SANMAMED SALGADO, NOELIA, ALCÁNTARA CARRIO, MARÍA DEL PINO, Gomez, Sara, BUSTOS GARCIA DE CASTRO, ANA, Cerezo, Elena, Gaztanaga, Miren, Doval, Anxela, Corona, Juan, Rodriguez, Gabriel, CABELLO CLOTET, NOEMI, Duffort, Mercedes, Ortuno, Francisco, de Castro, Javier, Lopez, Amanda, FUENTES FERRER, MANUEL ENRIQUE, Alvaro, Sanz J., Vazquez, Manuel. Low-dose Radiation Therapy in the Management of COVID-19 Pneumonia (LOWRAD-Cov19). Final results of a prospective phase I-II trial. RADIOTHERAPY

### New non competitive funding

ECL.22/066. SAFETY, PERFORMANCE AND USABILITY OF BALT MEDICAL DEVICES: THE EVIDENCE POST MARKETING CLINICAL FOLLOW-UP PLATFORM. SEGURIDAD, RENDIMIENTO Y USABILIDAD DE LOS DISPOSITIVOS MÉDICOS BALT: PLATAFORMA EVIDENCE DE SEGUIMIENTO CLÍNICO POST MARKETING. PI: MOREU GAMAZO, MANUEL.

ECL.22/179. EXTRACCIÓN DE EMBOTRAP, EVALUACIÓN DE COÁGULOS Y EVALUACIÓN DE LESIONES PARA NEUROTROMBECTOMÍA. EMBOTRAP EXTRACTION & CLOT EVALUATION & LESION EVALUATION FOR NEUROTHROMBECTOMY. PI: MOREU GAMAZO, MANUEL.

ECL.22/258. PRIMER ESTUDIO PROSPECTIVO, MONO BRAZO, MULTICÉNTRICO PARA EVALUAR LA SEGURIDAD Y EFICACIA DEL SISTEMA GLOBAL DE TROMBECTOMÍA PARA ICTUS: INEDIT, INDEEP E INTERCEPT EN PACIENTES CON ACCIDENTE CEREBROVASCULAR ISQUÉMICO AGUDO. PI: MOREU GAMAZO, MANUEL.

MMG.C01MED. Convenio de colaboración para la realización del estudio "Embolización de la arteria meníngea media como tratamiento mínimamente invasivo del hematoma subdural crónico". PI: MOREU GAMAZO, MANUEL. Funding organisation: MEDTRONIC IBERICA, S.A.U.

## TEC.9

### Nuclear Physics Techniques and Instrumentation in Biomedicine



#### Leading researcher

José Manuel Udías Moineiro

#### Members

Andrea Espinosa Rodríguez

Daniel Sánchez Parcerisa

Esther Loscertales Vacas

Joaquín López Herraiz

Luis Mario Fraile Prieto

Mailyñ Pérez Liva

Pablo Galve Lamoiz

Paula Beatriz Ibáñez García

Samuel España Palomares

Sara De Scals Carmona

#### Scientific production

N° of papers (WoS)	<b>10</b>
% Open Access (N°)	<b>100%</b> (10)
% Citable Items (N°)	<b>50%</b> (5)
N° of papers JCR indexed	<b>10</b>
Q1 (citable items)	<b>60%</b>
D1 (citable items)	<b>40%</b> (4)
Cumulative IF	<b>30,158</b>
Average IF	<b>5,026</b>

#### Overview

We are a team of experts in biomedical and biotechnological research with have experience in the development of research studies in the clinical and preclinical areas. With a marked translational component and the transfer of its results to the industry, the group maintains collaborations with different research centers and hospitals as well as with several companies in the biomedicine field. Our research topics are focuses into two main areas. In first place, issues related to molecular imaging are studied both at the technological level and at its clinical and preclinical applications. This work is mainly focused on positron emission tomography. Another topic of study is focused on radiotherapy techniques, with special emphasis on cutting-edge techniques such as intraoperative radiotherapy and hadron therapy. On the other hand, the group has in turn a teaching projection in university degrees and masters at national and international level. Likewise, there is a lot of experience in the organization of courses, congresses and conferences aimed at both the training of professionals and the dissemination of scientific activities.



## TEC.9

### Selected publications

ESPAÑA PALOMARES, SAMUEL, SANCHEZ PARCERISA, DANIEL, BRAGADO DOMINGO, PALOMA, GUTIERREZ UZQUIZA, ALVARO, PORRAS GALLO, ALMUDENA, Gutierrez-Neira, Carolina, ESPINOSA MERINO, ANGEL, Onecha, Victor V., IBAÑEZ GARCIA, PAULA BEATRIZ, Sanchez-Tembleque, Victor, UDIAS MOINELO, JOSE MANUEL, FRAILE PRIETO, LUIS MARIO. In vivo production of fluorine-18 in a chicken egg tumor model of breast cancer for proton therapy range verification. SCIENTIFIC REPORTS. 2022; 12 (1): -. DOI: 10.1038/s41598-022-11037-7. FI: 4,6. (Q2).

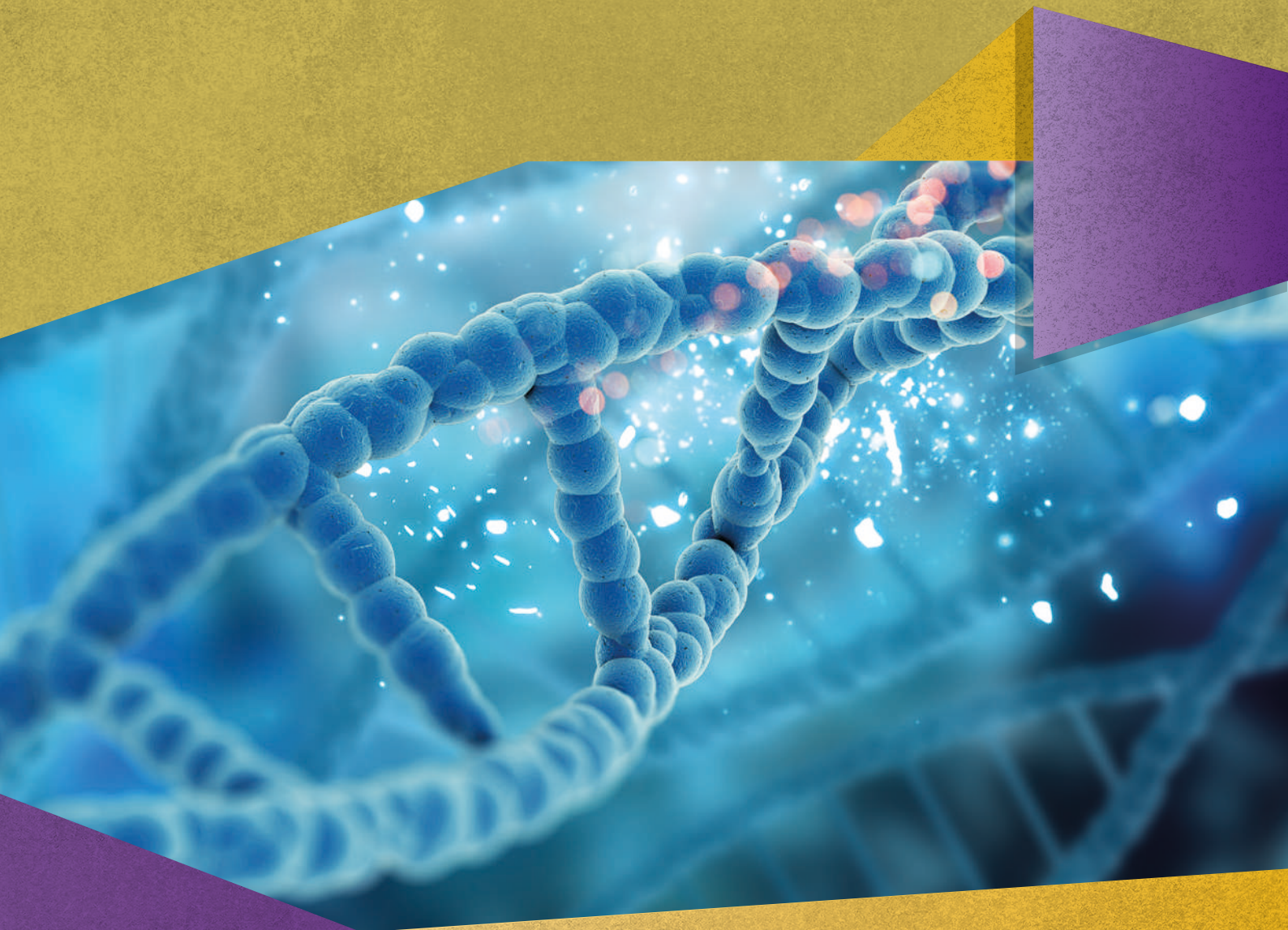
Espinosa-Rodriguez, Andrea, SANCHEZ PARCERISA, DANIEL, IBAÑEZ GARCIA, PAULA BEATRIZ, Antonio Vera-

Sanchez, Juan, Mazal, Alejandro, FRAILE PRIETO, LUIS MARIO, UDIAS MOINELO, JOSE MANUEL. Radical Production with Pulsed Beams: Understanding the Transition to FLASH. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. 2022; 23 (21): -. DOI: 10.3390/ijms232113484. FI: 5,6. (Q1).

Onecha, V. V., Galve, P., IBAÑEZ GARCIA, PAULA BEATRIZ, Freijo, C., Arias-Valcayo, F., SANCHEZ PARCERISA, DANIEL, ESPAÑA PALOMARES, SAMUEL, FRAILE PRIETO, LUIS MARIO, UDIAS MOINELO, JOSE MANUEL. Dictionary-based software for proton dose reconstruction and submillimetric range verification. PHYSICS IN MEDICINE AND BIOLOGY. 2022; 67 (4): -. DOI: 10.1088/1361-6560/ac4efc. FI: 3,5. (Q2).



Other large  
systems area



OGS



# Other large systems area

## Groups

**OGS.1 Brain Glucose Sensors, Control of Satiety, Obesity and Type 2 Diabetes**

**OGS.6 Diabetes and obesity**

**OGS.9 Endocrinology of Metabolic Diseases**

**OGS.12 Clinical Pharmacology**

**OGS.14 Medical Physics**

**OGS.15 Aging**

**OGS.18 Health Care Research**

**OGS.19 Epidemiology and Health Services**

**OGS.22 Contemporary Physiotherapy Research (InPhysio)**

**OGS.23 The Digestive System**

**OGS.24 Hematology**

**OGS.25 Pathology of Emergency**

**OGS.27 The Interdisciplinary Study Group of Diabetic Foot**

**OGS.29 Socioeconomic Health Determinants**

**OGS.30 AFUSAN**

**OGS.32 Ciencias Forenses: genética y toxicología forense**

**OGS.33 Chronobiological Molecular Mechanisms**



## ANNUAL GOALS

Strengthen cooperation in related sectors



Completed

Increase communication between the groups in the area



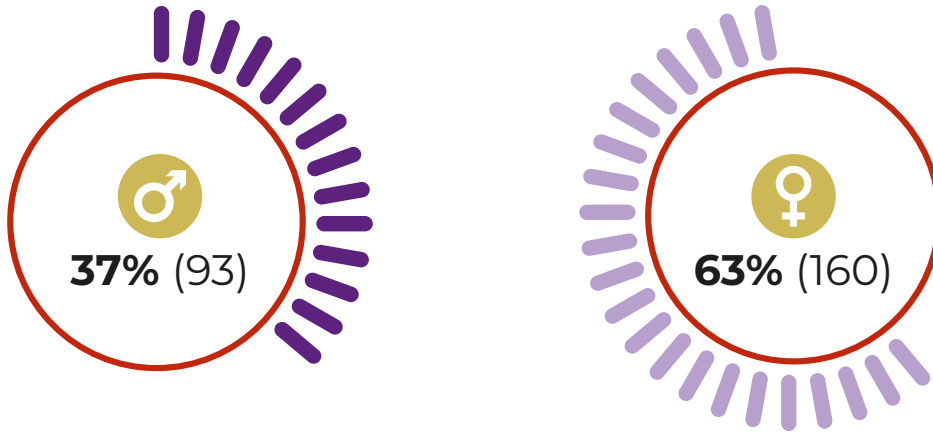
Completed

To promote transversal training in research

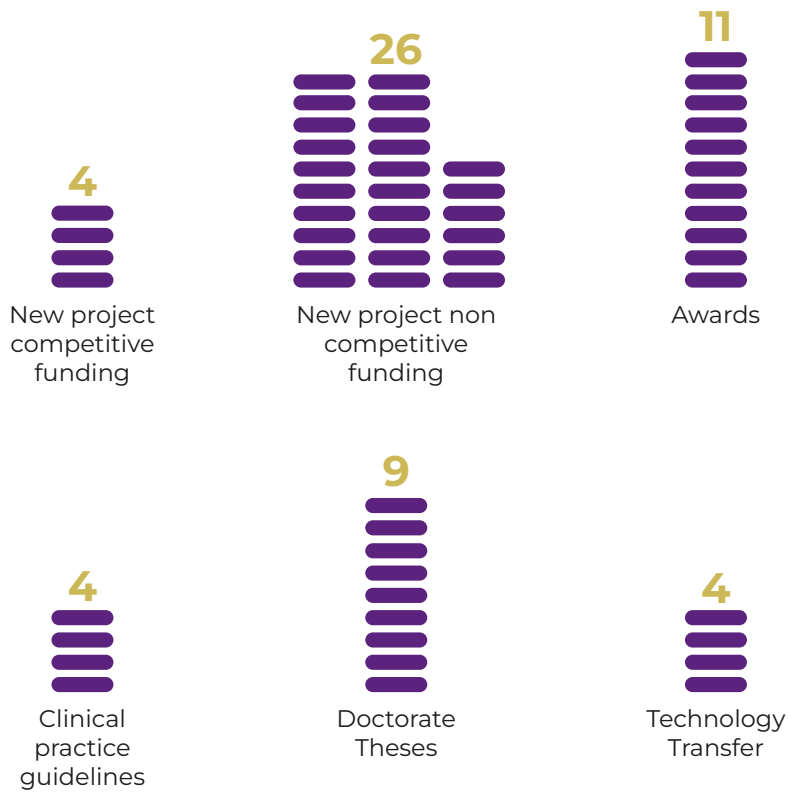


Completed

## Accumulated Total professionals in the area



## Activity



## Scientific production

N° of papers  
(WoS)

**326**

% OA

**62.46**

N° of citable  
items

**270**

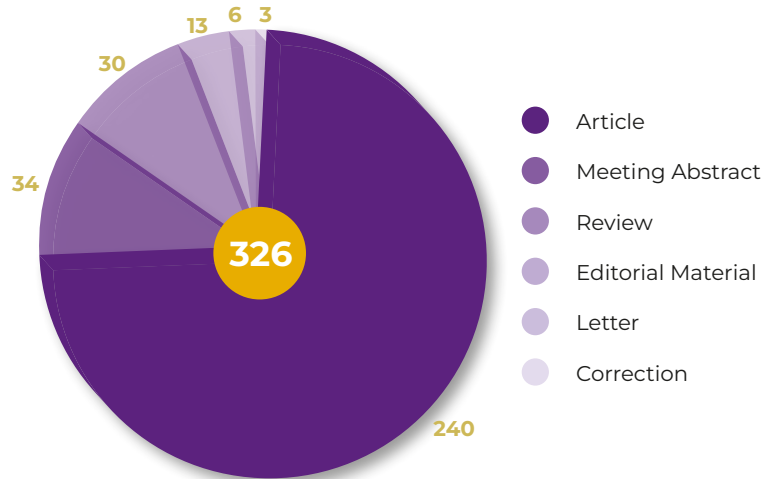
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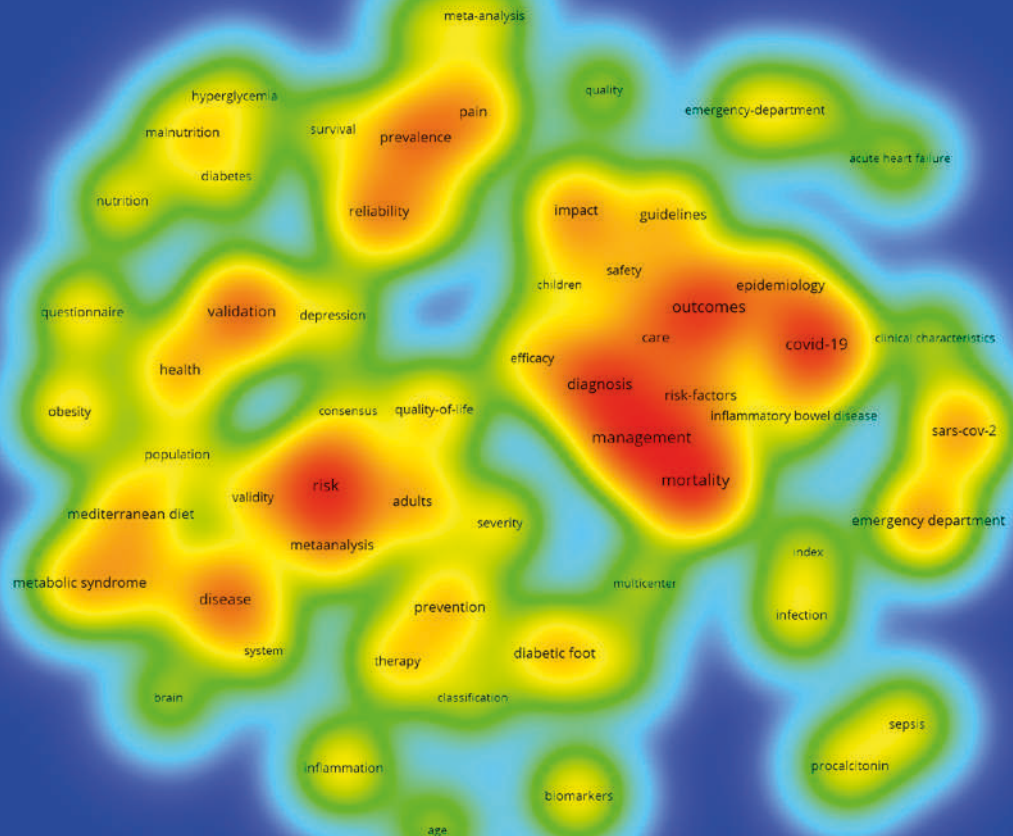
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**11.11**

## Document type



## Keywords (> 5 frequency)





## Top 5 journals with the highest publication rate

During 2022, the Other Large Systems area's researchers have published in a total of 190 different journals. The top 5 journals where they publish the most are shown below. It represents the 17.79% of the scientific production of this area. One of these journals is in the first quartile of the JCR 2022 for their thematic category. One journal is in the Top 5 in their WoS category.

JOURNAL	Nº OF PAPERS (WoS)	QUARTIL 2022	WoS CATEGORY	ARTICLE INFLUENCE SCORE 2022	JOURNAL CITATION INDICATOR 2022	IF (WITHOUT SELF-CITATIONS) 2022
Journal of Clinical Medicine	20	Q2 (58/167)	MEDICINE, GENERAL & INTERNAL	0.908	0.95	3.6
International Journal of Environmental Research and Public Health	12	Q2 (71/210)	PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH	0.866	0.93	3.995
REVISTA ESPAÑOLA DE QUIMIOTERAPIA	11	Q4 (224/277)	PHARMACOLOGY & PHARMACY	0.376	0.39	1.7
Emergencias	9	Q1 (4/32)	EMERGENCY MEDICINE	0.562	1.40	3.8
BASIC & CLINICAL PHARMACOLOGY & TOXICOLOGY	6	Q2 (46/94)	TOXICOLOGY	0.614	0.62	2.9

## Selected 5 publications

**1.** ASCASO DEL RÍO, ANA, García-Pérez, Javier, Pérez-Olmeda, Mayte, Arana-Arri, Eunáte, Vergara, Itziar, Pérez-Ingidua, Carla, Bermejo, Mercedes, de la Osa, María Castillo, Imaz-Ayo, Natale, Fernández, Ioana Riano, González, Oliver Astasio, Díez-Fuertes, Francisco, Meijide, Susana, Arribabalaga, Julio, Gutierrez, Lourdes Hernández, de la Torre-Tarazona, Humberto Erick, Lazaro, Alberto Mariano, VARGAS CASTRILLÓN, EMILIO, Alcamí, Jose, PORTOLÉS PÉREZ, ANTONIO, RescueVac Study Grp. Immune response and reactogenicity after immunization with two-doses of an experimental COVID-19 vaccine (CVnCOV) followed by a third-fourth shot with a standard mRNA vaccine (BNT162b2): RescueVacs multicenter cohort study. *EClinicalMedicine*. 2022; 51. DOI: 10.1016/j.eclinm.2022.101542. FI: 17,033. (D1)

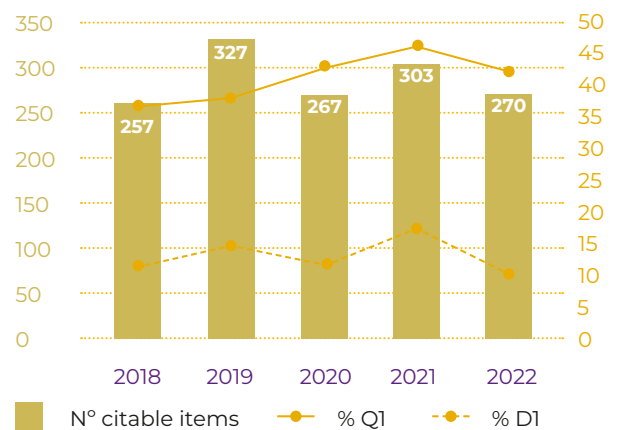
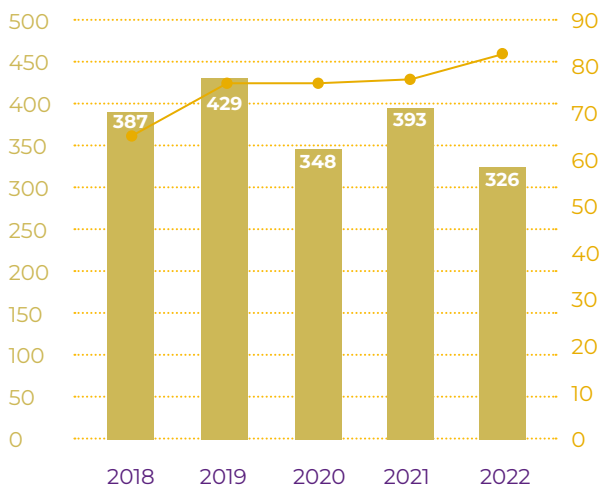
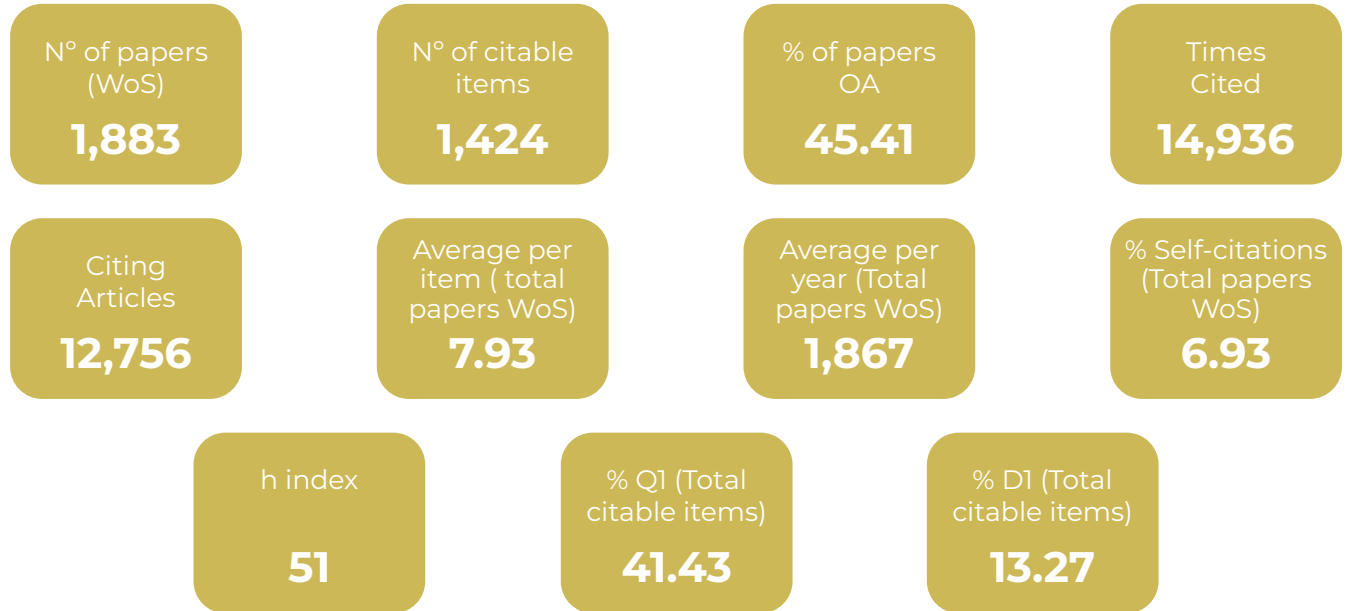
**2.** LÓPEZ CUENCA, INÉS, Marcos-Dolado, Alberto, YUS FUERTES, MIGUEL, Salobar-García, Elena, Elvira-Hurtado, Lorena, FERNÁNDEZ ALBARRAL, JOSÉ A., SALAZAR CORRAL, JUAN JOSÉ, RAMÍREZ SEBASTIÁN, ANA ISABEL, Sanchez-Puebla, Lidia, FUENTES FERRER, MANUEL ENRIQUE, BARABASH BUSTELO, ANA MARÍA, Ramírez-Torano, Federico, Gil-Martínez, Lidia, Arrazola-García, Juan, GIL GREGORIO, PEDRO, DE HOZ MONTAÑANA, ROSA, RAMÍREZ SEBASTIÁN, JOSÉ MANUEL. The relationship between retinal layers and brain areas in asymptomatic first-degree relatives of sporadic forms of Alzheimer's disease: an exploratory analysis. *ALZHEIMERS RESEARCH & THERAPY*. 2022; 14 (1). DOI: 10.1186/s13195-022-01008-5. FI: 8,823. (D1)

**3.** Fabero-Garrido, Raúl, DEL CORRAL NÚÑEZ-FLORES, TAMARA, Angulo-Díaz-Parreno, Santiago, PLAZA MANZANO, GUSTAVO, MARTÍN CASAS, PATRICIA, Cleland, Joshua A., Fernández-de-Las-Penas, César, LÓPEZ DE URALDE VILLANUEVA, IBAI. Respiratory muscle training improves exercise tolerance and respiratory muscle function/structure post-stroke at short term: A systematic review and meta-analysis. *Annals of Physical and Rehabilitation Medicine*. 2022; 65 (5). DOI: 10.1016/j.rehab.2021.101596. FI: 5,393. (D1)

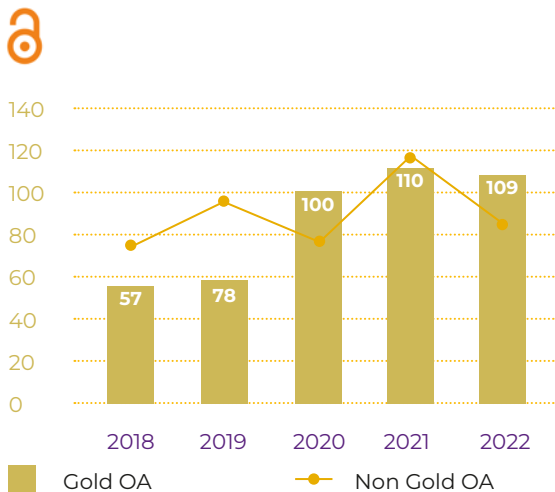
**4.** Oreja, Sara García, ÁLVARO FERNÁNDEZ, RAQUEL, Sevillano-Fernandez, David, TARDÁGUILA GARCÍA, AROA, Lopez-Moral, Mateo, LÁZARO MARTÍNEZ, JOSÉ LUIS. A non-invasive method for diagnosing plantar warts caused by human papillomavirus (HPV). *JOURNAL OF MEDICAL VIROLOGY*. 2022; 94 (6): 2897-2901. DOI: 10.1002/jmv.27514. FI: 20,693. (D1)

**5.** Politi, Julieta, Guerras, Juan-Miguel, Donat, Marta, Belza, María J., Ronda, Elena, Barrio, Gregorio, REGIDOR POYATOS, ENRIQUE. Favorable impact in hepatitis C-related mortality following free access to direct-acting antivirals in Spain. *Hepatology*. 2022; 75 (5): 1247-1256. DOI: 10.1002/hep.32237. FI: 17,298. (D1)

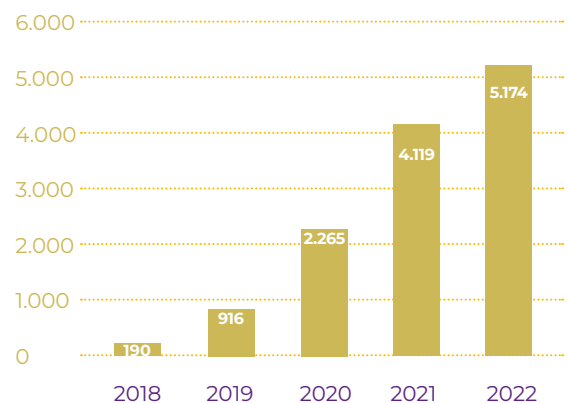
## Scientific production (2018 - 2022)



■ Nº of papers (WoS)    ● % citable items



### Times cited by year

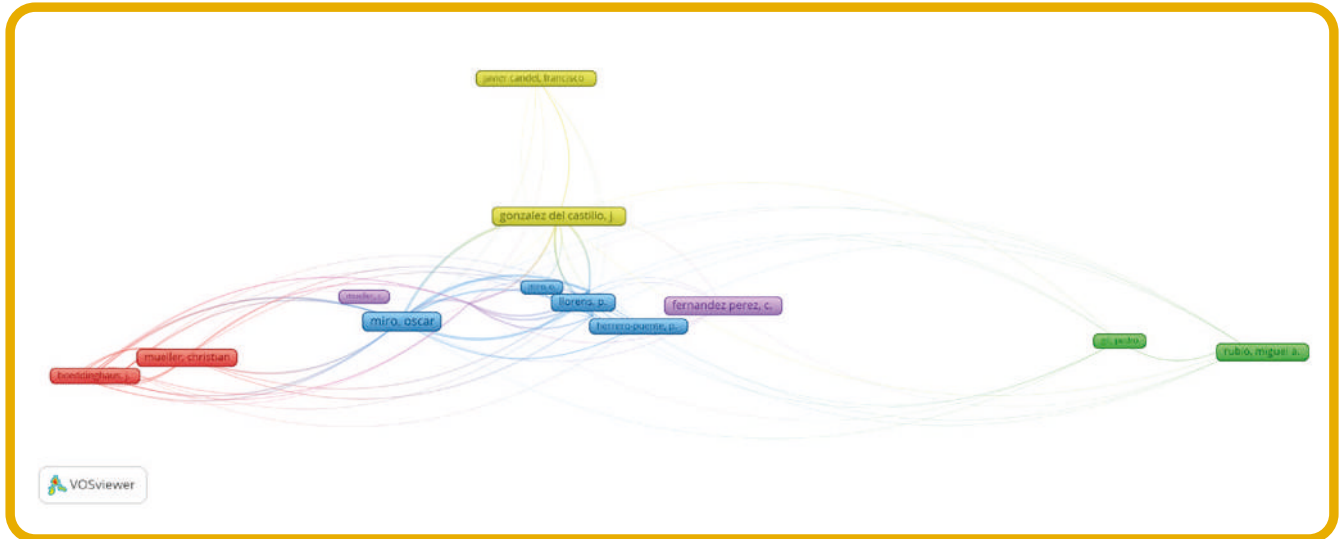


\* WoS download 20.07.2022

## Top 5 journals with the highest publication rate

TITLE	JOURNAL	TIMES CITED	YEAR	QUARTIL	WOS CATEGORY	ARTICLE INFLUENCE SCORE	OA TYPE
Use of renin-angiotensin-aldosterone system inhibitors and risk of COVID-19 requiring admission to hospital: a case-population study	LANCET	278	2020	Q1 (2/167)	MEDICINE, GENERAL & INTERNAL	29.073	Non Gold OA
Effect of Continued Weekly Subcutaneous Semaglutide vs Placebo on Weight Loss Maintenance in Adults With Overweight or Obesity The STEP 4 Randomized Clinical Trial	JAMA	231	2021	Q1 (3/172)	MEDICINE, GENERAL & INTERNAL	33.068	Non Gold OA
Immunogenicity and reactogenicity of BNT162b2 booster in ChAdOx1-S-primed participants (CombiVacS): a multicentre, open-label, randomised, controlled, phase 2 trial	LANCET	224	2021	Q1 (1/172)	MEDICINE, GENERAL & INTERNAL	42.784	Non Gold OA
Ravulizumab (ALXN1210) vs eculizumab in C5-inhibitor-experienced adult patients with PNH: the 302 study	BLOOD	175	2019	Q1 (1/76)	HEMATOLOGY	4.516	Non Gold OA
Prevalence of post-COVID-19 symptoms in hospitalized and non-hospitalized COVID-19 survivors: A systematic review and meta-analysis	EUROPEAN JOURNAL OF INTERNAL MEDICINE	167	2021	Q1 (26/172)	MEDICINE, GENERAL & INTERNAL	1.551	Non Gold OA

## Most cited authors ( > 25 papers)



## OGS.1

### Brain Glucose Sensors, Control of Satiety, Obesity and Type 2 Diabetes



#### Leading researchers

Elvira Álvarez García  
María del Carmen Sanz Miguel

#### Members

Enrique Blázquez Fernández  
Esther Velázquez Sánchez  
Juan Miguel Ruiz Albusac  
M<sup>a</sup> Ángeles Navas Hernández  
Veronica Hurtado Carneiro

#### Scientific production

N° of papers (WoS)	<b>2</b>
% Open Access (N°)	<b>100%</b> (1)
% Citable Items (N°)	<b>100%</b> (2)
N° of papers JCR indexed	<b>1</b>
Q1 (citable items)	<b>100%</b> (2)
Cumulative IF	<b>6,055</b>
Average IF	<b>6,055</b>

#### Overview

Our group investigates the role of energetic/nutrient sensors in the central and peripheral adaptation to fasting/feeding states, high-fat diet, and aging. We are discerning the importance of some metabolic, nutrient and energetic sensors such as PASK, AMPK, mTOR and others transducers of insulin signaling in the adaptive response to fasting and feeding, oxidative metabolism, oxidative stress and the function in thermogenesis. All of them are in the context of intracellular studies of regulation mechanisms of proliferation, differentiation, apoptosis, autophagy, survival, etc. As well as, inter-tissue and inter-organ intercommunication and their importance in the aging, development of diabetes, obesity and others pathologies including some neurodegenerative disorders. These studies are developed in vitro (cell and organotypic cultures) and in vivo in different animal models (mammals and invertebrates).

#### Selected publications

BLÁZQUEZ FERNÁNDEZ, ENRIQUE, HURTADO CARNEIRO, VERONICA, LeBaut-Ayuso, Yannick, VELÁZQUEZ SÁNCHEZ, ESTHER, GARCÍA GARCÍA, LUIS, Gomez-Oliver, Francisca,

RUIZ ALBUSAC, JUAN MIGUEL, Avila, Jesus, Angel Pozo, Miguel. Significance of Brain Glucose Hypometabolism, Altered Insulin Signal Transduction, and Insulin Resistance in Several Neurological Diseases. *Frontiers in endocrinology*. 2022; 13 (): -. DOI: 10.3389/fendo.2022.873301. FI: 6,055. (Q1).



## OGS.6

### Diabetes and obesity



#### Leading researcher

Carlos Guillén Viejo

#### Members

Elena González Trujillos

Manuel Román Benito De Las Heras

Silvia Fernández López

#### Scientific production

N° of papers (WoS)	2
% Citable Items (N°)	100% (2)
N° of papers JCR indexed	2
Q1 (citable items)	50% (1)
Cumulative IF	11,455
Average IF	5,727

**ciber** | DEM

#### Overview

The laboratory was founded in 1983 as Molecular Biology of Development, later expanding to the study of cellular models.

Over the last thirty years it has given rise to different laboratories, which are currently led by researchers trained in the founding laboratory. Currently, the laboratory is focused on studying, through the use of different models, both in vitro and in vivo, of the disease, for a better understanding of the molecular mechanisms that are involved in the progression of type 2 diabetes.

In addition, we are interested in determining proteins that can be used as potential treatment targets, through the use of sirtuin, AMPK and mTOR pathway modulating agents.

#### Research lines

A. Molecular mechanisms in the progression of type II diabetes.

B. Thermogenic function and inflammatory disease of the adipose organ.

#### Selected publications

Gonzalez-Blanco, Carlos, Marques, Patricia, Burillo, Jesus, Jimenez, Beatriz, Garcia, Gema, BENITO DE LAS HERAS, MANUEL ROMAN, Guillen, Carlos. Cell immortalization facilitates prelamin A clearance by increasing both cell proliferation and autophagic flux. *Aging-U.S.* 2022; 14 (5): 2047-2061. DOI: 10.18632/aging.203943. FI: 5,955. (Q2).

ELISA FERNANDEZ MILLAN; CARLOS GUILLEN VIEJO. Multi-Organ Crosstalk with Endocrine Pancreas: A Focus on How Gut Microbiota Shapes Pancreatic Beta-Cells. *BIOCHEMISTRY & MOLECULAR BIOLOGY.* 2022; 12 (1): -. DOI: 10.3390/biom12010104. FI: 5,5. (Q1).

#### Doctorate theses

Doctoral candidate: JESÚS BURILLO MALDONADO. Thesis title: ESTUDIO DE LA AMILINA HUMANA (HIAPP) EN LA FISIOPATOLOGÍA DE LA DIABETES MELLITUS TIPO 2 Y SU RELACIÓN CON LAS ENFERMEDADES NEURODEGENERATIVAS. Director(s): CARLOS GUILLEN VIEJO. University: UNIVERSIDAD COMPLUTENSE DE MADRID.

## OGS.9

### Endocrinology of Metabolic Diseases



#### Leading researcher

Alfonso Luis Calle Pascual

#### Members

Alejandra Durán Rodríguez-Hervada  
 Ana María Barabash Bustelo  
 Angélica Larrad Sáinz  
 Elena Bordiú Obanza  
 Isabelle Runkle De La Vega  
 Johanna Josefina Valerio Deogracia  
 Jorge Gabriel Ruiz Sánchez  
 José Ángel Díaz Pérez  
 Jose Luis Espadas Gil  
 José Ramón Calle Fernández  
 Laura Del Valle Díez  
 Laura Romero Pérez  
 Lucio Cabrerizo García  
 M<sup>a</sup> Soledad Fernández Alfonso  
 Macarena Torrego Ellacuría  
 María Concepción Sanabria Pérez  
 María Del Carmen Montañez Zorilla  
 María Gemma Hernández Nuñez  
 María Ortiz Ramos  
 María Paz De Miguel Novoa  
 María Pilar Matía Martín  
 Mercedes Galindo Rubio  
 Miguel Ángel Rubio Herrera  
 Natalia Pérez Ferre  
 Nuria García De La Torre Lobo  
 Rocío Martín O'Connor  
 Verónica Melero Álvarez

#### Scientific production

Nº of papers (WoS)	<b>47</b>
% Open Access (Nº)	<b>93%</b> (43)
% Citable Items (Nº)	<b>83%</b> (39)
Nº of papers JCR indexed	<b>46</b>
Q1 (citable items)	<b>51%</b> (22)
D1 (citable items)	<b>9%</b> (4)
Cumulative IF	<b>227,775</b>
Average IF	<b>5,297</b>

*ciber* | DEM

#### Overview

The research group of Endocrinology of Metabolic Diseases is recognized as an organization element designed to facilitate research based on clinical management and comprehensive care, to patients with endocrine metabolic diseases. The group will encourage the participation, involvement and responsibility of all professionals. Advanced information systems will be used as part of the cost-effectiveness evaluation and quality translational research in metabolic diseases.

The group is also involved in controlling the efficiency of the research conducted through the highest bodies of management of the Centre, or Health Centers, in order to increase knowledge in the prevention and treatment of all metabolic diseases, in the field of endocrinology and nutrition.

## OGS.9

### Selected publications

Ramos-Levi, Ana, BARABASH BUSTELO, ANA MARÍA, VALERIO DEOGRACIA, JOHANNA JOSEFINA, GARCÍA DE LA TORRE LOBO, NURIA, Mendizabal, Leire, Zulueta, Mirella, DE MIGUEL NOVOA, MARÍA PAZ, Diaz, Angel, DURÁN RODRÍGUEZ-HERVADA, ALEJANDRA, FAMILIAR CASADO, CRISTINA, JIMENEZ VARAS, INES, DEL VALLE DÍEZ, LAURA, MELERO ÁLVAREZ, VERÓNICA, MORAGA GUERRERO, INMACULADA, HERRÁIZ MARTÍNEZ, MIGUEL ÁNGEL, TORREJÓN MARTÍNEZ, MARÍA JOSÉ, Arregi, Maddi, Simon, Laureano, RUBIO HERRERA, MIGUEL ÁNGEL, CALLE PASCUAL, ALFONSO LUIS. Genetic variants for prediction of gestational diabetes mellitus and modulation of susceptibility by a nutritional intervention based on a Mediterranean diet. *Frontiers in endocrinology*. 2022; 13. DOI: 10.3389/fendo.2022.1036088. FI: 6,055. (Q1).

TORREGO ELLACURIA, MACARENA, BARABASH BUSTELO, ANA MARÍA, MATÍA MARTÍN, MARÍA PILAR, SÁNCHEZ PERNAUTE, ANDRÉS, TORRES GARCÍA, ANTONIO JOSÉ, CALLE PASCUAL, ALFONSO LUIS, RUBIO HERRERA, MIGUEL ÁNGEL. Influence of CLOCK Gene Variants on Weight Response after Bariatric Surgery. *NUTRIENTS*. 2022; 14 (17). DOI: 10.3390/nu14173472. FI: 6,706. (Q1).

VALERIO DEOGRACIA, JOHANNA JOSEFINA, BARABASH BUSTELO, ANA MARÍA, GARCÍA DE LA TORRE LOBO, NURIA, DE MIGUEL NOVOA, MARÍA PAZ, MELERO ÁLVAREZ, VERÓNICA, DEL VALLE DÍEZ, LAURA, MORAGA GUERRERO, INMACULADA, FAMILIAR CASADO, CRISTINA, DURÁN RODRÍGUEZ-HERVADA, ALEJANDRA, TORREJÓN MARTÍNEZ, MARÍA JOSÉ, Diaz, Angel, JIMENEZ VARAS, INES, MATÍA MARTÍN, MARÍA PILAR, RUBIO HERRERA, MIGUEL ÁNGEL, CALLE PASCUAL, ALFONSO LUIS. The Relationship between Serum Adipokines, miR-222-3p, miR-103a-3p and Glucose Regulation in Pregnancy and Two to Three Years Post-Delivery in Women with Gestational Diabetes Mellitus Adhering to Mediterranean Diet Recommendations. *NUTRIENTS*. 2022; 14 (22). DOI: 10.3390/nu14224712. FI: 6,706. (Q1).

### Clinical practice guidelines

Vilarrasa, Nuria, Breton, Irene, Ballesteros-Pomar, Maria, Lecube, Albert, Goday, Albert, Pellitero, Silvia, SÁNCHEZ CASANUEVA, ROBERTO MARIANO, Zugasti, Ana, Ciudin,

Andrea, de Hollanda, Ana, RUBIO HERRERA, MIGUEL ÁNGEL, GOSSEN. Recommendations for the diagnosis and treatment of hypoglycaemia after bariatric surgery. *Endocrinología Diabetes Y Nutricion*. 2022. Editorial: ELSEVIER SCIENCE BV. ISBN/DOI: 10.1016/j.endinu.2021.09.003.

### Doctorate theses

Doctoral candidate: Federico-Miguel Cuesta Triana. Thesis title: Criterios de fragilidad en mayores tras una intervención dirigida al control ponderal y cambios en el estilo de vida. Director(s): Pilar Matía Martín. University: Universidad Complutense de Madrid.

### New competitive funding

AC21\_2/00036. Dietary Assessment & Further Development of Biomarkers for All. PI: CALLE PASCUAL, ALFONSO LUIS. Funding organisation: INSTITUTO DE SALUD CARLOS III

### New non competitive funding

ECL.21/364. ESTADO NUTRICIONAL DE LOS PACIENTES CON TUMOR NEUROENDOCRINO GASTROENTEROPANCREÁTICO EN ESPAÑA: NUTRIGETNE. PI: DÍAZ PÉREZ, JOSÉ ÁNGEL.

ECL.21/671. ESTUDIO MULTICÉNTRICO PARA VALIDAR UN ALGORITMO DE INTELIGENCIA ARTIFICIAL PARA EL CRIBADO DE LA RETINOPATÍA DIABÉTICA (CARDS). PI: CALLE PASCUAL, ALFONSO LUIS.

ECL.22/204. ESTUDIO NO INTERVENCIONISTA, MULTICENTRO RETROSPECTIVO SOBRE LA EFECTIVIDAD Y SEGURIDAD DE TEDUGLUTIDA (REVESTIVE®) EN PACIENTES CON SÍNDROME DEL INTESTINO CORTO EN ESPAÑA. ESTUDIO T-REX. NON-INTERVENTIONAL, MULTICENTER RETROSPECTIVE STUDY OF THE EFFECTIV. PI: MATÍA MARTÍN, MARÍA PILAR.

ECL.22/363. BÚSQUEDA DE BIOMARCADORES ESPECÍFICOS DE INGESTA PARA LA NORMALIZACIÓN DE LA EVALUACIÓN DIETÉTICA. ESTUDIO PILOTO. PI: RUBIO HERRERA, MIGUEL ÁNGEL.

## OGS.12

### Clinical Pharmacology



#### Leading researcher

Emilio Vargas Castrillón

#### Members

Alexandra Domingo Fernández  
 Ana Ascaso Del Río  
 Ana Belén Rivas Paterna  
 Ana Isabel Terleira Fernández  
 Antonio Portolés Pérez  
 Carla Pérez Ingídua  
 Carlos María Elvira Martínez  
 Carmen Sanz Nieto  
 Cristina Cuesta Mínguez  
 Daniel Lozano Martín  
 Esperanza González Rojano  
 Eva M<sup>a</sup> Martín Nieto  
 Fernando De Andrés Rodríguez-Trelles  
 Irina Mao Burguillo  
 Javier Álex Muñoz  
 Jose Antonio Gil Marín  
 Juliana Cedrola Silva  
 Kimberley Cristina Paucar Vidal  
 Leonor María Laredo Velasco  
 Lourdes Cabrera García  
 Luis Alberto Tebar Palmero  
 Manuel Sánchez Craviotto  
 María Aranzazu Urrutia De La Plaza  
 María Del Mar García Arenillas  
 María Del Rosario Salas Butrón  
 María Paloma Sanz Cameno  
 Mónica Esther Jesús Tesouro  
 Natalia Pérez Macías  
 Natalia Rodríguez Galan  
 Ou hao Zhu Huang  
 Sonia Domínguez Muñoz  
 Susana García Ramos

#### Scientific production

Nº of papers (WoS)	<b>18</b>
% Open Access (Nº)	<b>67%</b> (12)
% Citable Items (Nº)	<b>65%</b> (11)
Nº of papers JCR indexed	<b>17</b>
Q1 (citable items)	<b>45%</b> (5)
D1 (citable items)	<b>45%</b> (5)
Cumulative IF	<b>504,452</b>
Average IF	<b>45,872</b>



#### Overview

The Clinical Pharmacology group was created from the Service's staff under the same name. For more than 20 years the Clinical Pharmacology group has been developing research in the drug area. It uses experimental and observational methods applied to humans, as well as pharmacokinetic modeling techniques and response and/or economic factors.

In collaboration with other services, the Clinical Pharmacology group has developed a large number of phase I to IV clinical trials in healthy volunteers and in patients. It has also conducted numerous studies about Drug Utilization, as well as about Evaluation of Safety, Use and/or Economic Medicines Assessment, with whom it has tried to maximize both scientific results and knowledge profitability for the Health System and for the patient, resulting in publications, doctoral theses, user guides, recommendations, evaluation and control measures, etc. On the other hand, it has acquired a high degree of experience and knowledge in bioethics and regulatory area related to research, development and registration of new drugs. This part greatly contributes to improve the orientation in investigation with medicines in human beings, as well as to maximize the scientific profitability and future knowledge applicability.

## OGS.12

### Selected publications

ASCASO DEL RÍO, ANA, Garcia-Perez, Javier, Perez-Olmeda, Mayte, Arana-Arri, Eunete, Vergara, Itziar, Perez-Ingidua, Carla, Bermejo, Mercedes, de la Osa, Maria Castillo, Imaz-Ayo, Natale, Fernandez, Ioana Riano, Gonzalez, Oliver Astasio, Diez-Fuertes, Francisco, Meijide, Susana, Arrizabalaga, Julio, Gutierrez, Lourdes Hernandez, de la Torre-Tarazona, Humberto Erick, Lazaro, Alberto Mariano, VARGAS CASTRILLÓN, EMILIO, Alcamí, Jose, PORTOLÉS PÉREZ, ANTONIO, RescueVacs Study Grp. Immune response and reactogenicity after immunization with two-doses of an experimental COVID-19 vaccine (CVnCOV) followed by a third-fourth shot with a standard mRNA vaccine (BNT162b2): RescueVacs multicenter cohort study. *EclinicalMedicine*. 2022; 51. DOI: 10.1016/j.eclinm.2022.101542. FI: 17,033. (D1).

Hongchao Pan; Richard Peto; Ana-Maria Henao-Restrepo; Antonio Portoles, et al.. Remdesivir and three other drugs for hospitalised patients with COVID-19: final results of the WHO Solidarity randomised trial and updated meta-analyses. *LANCET*. 2022; 10339 (399): 1941-1953. FI: 202,731. (D1).

Kremsner I; Antonio Portolés et al. Eficacia y seguridad de la vacuna candidata CVnCoV SARS-CoV-2 mRNA en diez países de Europa y América Latina (HERALD): un ensayo aleatorizado, observador ciego, controlado con placebo, fase 2b/3. *LANCET INFECT DIS*. 2022; 22 (3): 329-340. FI: 71,42. (D1).

### Doctorate theses

Doctoral candidate: Oliver Astasio González. Thesis title: Impacto económico de los ensayos clínicos en oncología en el hospital Clínico San Carlos. Director(s): Emilio Vargas Castrillón. University: Universidad Complutense de Madrid.

### New non competitive funding

ECL.22/149. ESTUDIO DE BIOEQUIVALENCIA CON DOS FORMULACIONES DE METOCARBAMOL (COMPRIMIDOS DE 1500 MG Y ROBAXIN® COMPRIMIDOS 500 MG) DOSIS ÚNICA POR VÍA ORAL, EN VOLUNTARIOS SANOS EN CONDICIONES DE AYUNAS. BIOEQUIVALENCE STUDY ON TWO METHOCARBAMOL FORMULATIONS (1500. PI: PORTOLÉS PÉREZ, ANTONIO.

ECL.22/311. ESTUDIO CRUZADO, ALEATORIZADO DE BIODISPONIBILIDAD COMPARADA DE DOS

FORMULACIONES DE PARACETAMOL/IBUPROFENO 500/200 MG ADMINISTRADAS VÍA ORAL EN DOSIS ÚNICA A VOLUNTARIOS SANOS EN CONDICIONES DE AYUNO. PI: PORTOLÉS PÉREZ, ANTONIO.

ECL.22/358. REGISTRO ESPAÑOL DE ALTERACIONES HEMATOLOGICAS DURANTE EL TRATAMIENTO CON SIPONIMOD. Estudio REALhES. PI: LAREDO VELASCO, LEONOR MARÍA.

ECL.22/416. ESTUDIO DE FASE I, ABIERTO, PARA EVALUAR EL EFECTO DE LA INSUFICIENCIA RENAL Y EL TRATAMIENTO DE DIÁLISIS EN LA FARMACOCINÉTICA DE UNA DOSIS ÚNICA DE CITISINICLINA 3 MG. A PHASE I, OPEN-LABEL STUDY TO EVALUATE THE EFFECT OF RENAL IMPAIRMENT AND DIALYSIS. PI: PORTOLÉS PÉREZ, ANTONIO.

### Technology transfer

Spanish patent: Procedimiento y dispositivo para la detección visual del grado de aptitud en una mues-tra aislada de sangre para su validación en análisis clínico. Inventors: Leticia Simón, Emilio Vargas (Universidad Complutense de Madrid) .Nº de patente: P201900050. Date of application: 26/05/2020.

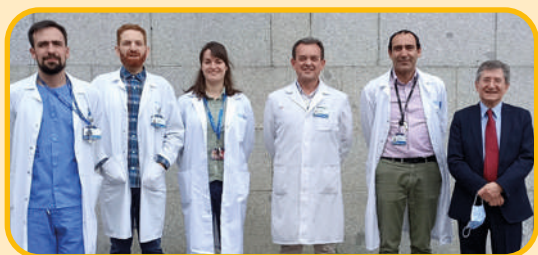
Spanish patent: COMBINATION OF IBUPROFEN AND TRAMADOL FOR RELIEVING PAIN: Inventor: Inventors: PORTOLÉS PÉREZ, Antonio; HOSPITAL CLÍNICO SAN CARLOS, SERVICIO DE FARMACOLOGÍA CLÍNICA. SANTÉ SERNA, Luis Narciso; HOSPITAL CLÍNICO SAN CARLOS, SERVICIO DE ANESTESIA. SALAS BUTRÓN, María del Rosario; FARMALÍDER, S.A. VARGAS CASTRILLÓN, Emilio; HOSPITAL CLÍNICO SAN CARLOS, SERVICIO DE FARMACOLOGÍA CLÍNICA. CALANDRIA PÉREZ, Carlos; HORCAJADA CÓRDOBA, Raquel; MUÑOZ RUIZ, Ángel José; UNIVERSIDAD DE SEVILLA. VICARIO DE LA TORRE, Iñiua; Aragoneses II. SANZ MENÉNDEZ, Nuria. GÓMEZ CALVO, Antonia. SÁNCHEZ GARCÍA, Jose Angel. DUART GONZALEZ, Ester. GARCÍA ALONSO, Fernando; Nº de patente: PCT/EP2020/069306. Date of application: 08/07/2020.

Intellectual property registration: INTRANET de la Plataforma de Unidades de Investigación Clínica y Ensayos Clínicos (SCReN). Inventors: VARGAS CASTRILLÓN; PORTOLÉS PÉREZ. Cód. ref/registro: 16/2021/7073 Nº de solicitud: M-001987/2021.



## OGS.14

### Medical Physics



#### Leading researchers

Eliseo Vañó Carruana  
José Miguel Fernández Soto

#### Members

David Flavio Martínez Barrio  
Domingo Pablo Córdoba Gómez  
Gabriel Rodríguez Martín  
Javier De Areba Iglesias  
Jose Ignacio Ten Morón  
Roberto Mariano Sánchez Casanueva  
Virginia Álvarez Sánchez  
Zulima Aza Villarrubia

#### Scientific production

N° of papers (WoS)	<b>14</b>
% Open Access (N°)	<b>14%</b> (2)
% Citable Items (N°)	<b>50%</b> (7)
N° of papers JCR indexed	<b>14</b>
Cumulative IF	<b>14,283</b>
Average IF	<b>2,040</b>



#### Overview

The group has continued with the establishment of methodologies for the implementation of reference levels of doses to patients in interventional procedures. The demonstration, feasibility and advantages of using occupational doses in the optimization of certain radiological procedures have also continued.

# OGS.14

## Selected publications

VAÑÓ CARRUANA, ELISEO, FERNÁNDEZ SOTO, JOSÉ MIGUEL, Ten, Jose I., SÁNCHEZ CASANUEVA, ROBERTO MARIANO. Benefits and limitations for the use of radiation dose management systems in medical imaging. Practical experience in a university hospital. BRITISH JOURNAL OF RADIOLOGY. 2022; 95 (1133). DOI: 10.1259/bjr.20211340. FI: 3,629. (Q2).

SÁNCHEZ CASANUEVA, ROBERTO MARIANO, Siiskonen, Teemu, VAÑÓ CARRUANA, ELISEO. Current status of diagnostic reference levels in interventional cardiology. JOURNAL OF RADIOLOGICAL PROTECTION. 2022; 42 (4). DOI: 10.1088/1361-6498/aca2b3. FI: 1,559. (Q3).

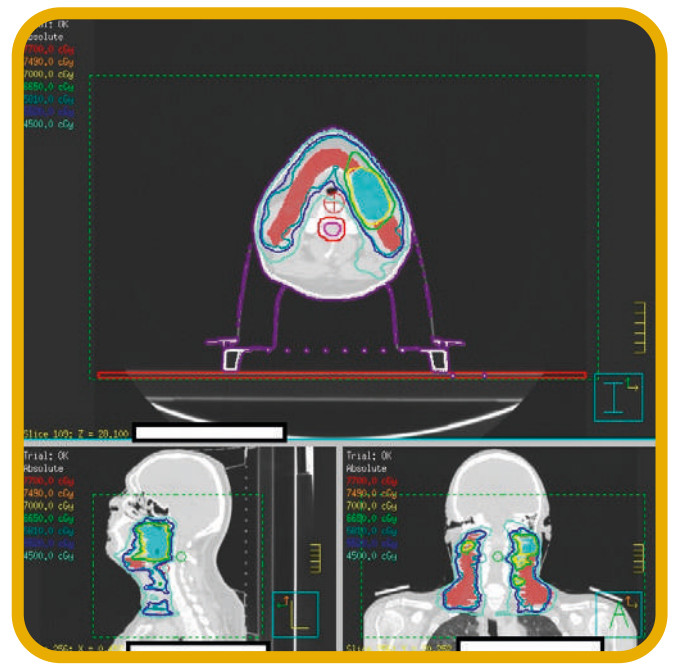
SÁNCHEZ CASANUEVA, ROBERTO MARIANO, VAÑÓ CARRUANA, ELISEO, FERNÁNDEZ SOTO, JOSÉ MIGUEL. Uncertainties in occupational eye lens doses from dosimeters over the apron in interventional practices. JOURNAL OF RADIOLOGICAL PROTECTION. 2022; 42 (2). DOI: 10.1088/1361-6498/ac5187. FI: 1,559. (Q3).

## Clinical practice guidelines

Vilarrasa, Nuria, Breton, Irene, Ballesteros-Pomar, Maria, Lecube, Albert, Goday, Albert, Pellitero, Silvia, SÁNCHEZ CASANUEVA, ROBERTO MARIANO, Zugasti, Ana, Ciudin, Andrea, de Hollanda, Ana, RUBIO HERRERA, MIGUEL ÁNGEL, GOSEN. Recommendations for the diagnosis and treatment of hypoglycaemia after bariatric surgery. Endocrinología Diabetes Y Nutricion. 2022. Editorial: ELSEVIER SCIENCE BV. ISBN/DOI: 10.1016/j.endinu.2021.09.003.

## New competitive funding

JFS.CSN.22. Dosis Ocupacionales Para la Optimización en Intervencionismo Médico (DOPOIM). PI: FERNÁNDEZ SOTO, JOSÉ MIGUEL. Funding organisation: CONSEJO DE SEGURIDAD NUCLEAR.



## OGS.15

### Aging

#### Leading researchers

Federico Miguel Cuesta Triana  
Pedro Gil Gregorio

#### Members

Alberto Fernández Lucas  
Ana Méndez Juárez  
Andrés Burillo Pérez  
Blanca Garmendia Prieto  
Carlos Verdejo Bravo  
Carmen Terrón Morgado  
Constanza Ciriza De Los Rios  
Daniel Padrón Guillén  
Isabel Lozano Montoya  
Jesús Mora Fernández  
Lara Guardado Fuentes  
María Aurora Viloría Jiménez  
Mario Salas Carrillo  
Marta Vígara Garcia  
Montserrat Lázaro Del Nogal  
Patricia Alonso Fernández  
Patricia Blázquez Simón

#### Scientific production

N° of papers (WoS)	<b>17</b>
% Open Access (N°)	<b>88%</b> (15)
% Citable Items (N°)	<b>88%</b> (14)
N° of papers JCR indexed	<b>16</b>
Q1 (citable items)	<b>57%</b> (8)
D1 (citable items)	<b>29%</b> (4)
Cumulative IF	<b>97,019</b>
Average IF	<b>6,930</b>

#### Overview

The research group is basically made up of members of the Geriatric Service of the Hospital Clínico San Carlos. The progressive aging of the population, and more specifically in the area of influence of this hospital, is well known. The research activity is directed towards those entities, having a higher prevalence in this exchequer sector.

In the area of cognitive impairment and dementia, the group has participated in FIS projects, and is also conducting a number of phases II and III clinical trials and is part of EADC: European Alzheimer's Disease Consortium. Recently, we are conducting translational research with the Universidad Politécnica in Madrid. Among dementias, biomarkers as redox reaction elements are the major focus together with the Center for Molecular Biology of Madrid, as well as neuroimaging techniques with the Radiology Department of the Hospital. Sarcopenia has been defined as a new large geriatric syndrome, and the group is participating in incidence and prevalence studies, as well as in a phase II clinical trial. Functional impairment and pathological aging markers are other areas of special interest, especially the ones related to orthogeriatrics, i.e., patients with hip fractures, and the impact on quality of life, institutionalization and independence. All physiological phenomena related to aging.

## OGS.15

### Selected publications

FERNÁNDEZ LUCAS, ALBERTO, Ramirez-Torano, Federico, BRUÑA FERNANDEZ, RICARDO, Zuluaga, Pilar, Esteba-Castillo, Susanna, Abasolo, Daniel, Moldenhauer, Fernando, Shumbayawonda, Elizabeth, MAESTU UNTURBE, FERNANDO, Garcia-Alba, Javier. Brain signal complexity in adults with Down syndrome: Potential application in the detection of mild cognitive impairment. FRONTIERS IN AGING NEUROSCIENCE. 2022; 14 (1): -. DOI: 10.3389/ fnagi.2022.988540. FI: 5,702. (Q1).

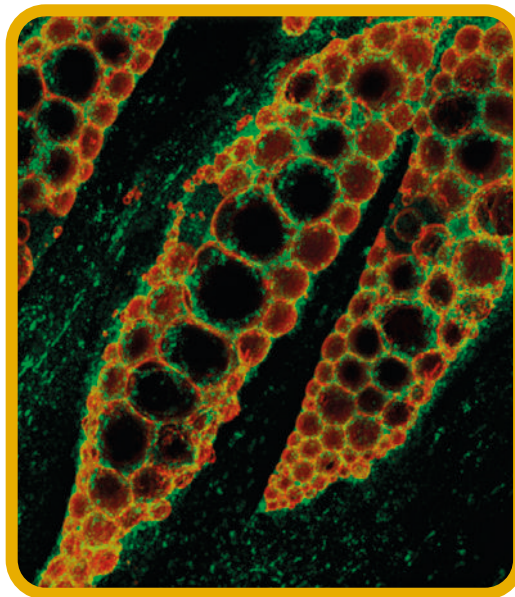
Bueno, Susan M., Abarca, Katia, Gonzalez, Pablo A., Galvez, Nicolas M. S., Soto, Jorge A., Duarte, Luisa F., Schultz, Barbara M., Pacheco, Gaspar A., Gonzalez, Liliana A., Vazquez, Yaneisi, Rios, Mariana, Melo-Gonzalez, Felipe, Rivera-Perez, Daniela, Iturriaga, Carolina, Urzua, Marcela, Dominguez, Angelica, Andrade, Catalina A., Berrios-Rojas, Roslye, Canedo-Marroquin, Gisela, Covian, Camila, Moreno-Tapia, Daniela, Saavedra, Farides, Vallejos, Omar P., Donato, Paulina, Espinoza, Pilar, Fuentes, Daniela, Gonzalez, Marcela, Guzman, Paula, Munoz Venturelli, Paula, Perez, Carlos M., Potin, Marcela, Rojas, Alvaro, Fasce, Rodrigo A., Fernandez, Jorge, MORA FERNÁNDEZ, JESÚS, Ramirez, Eugenio, Gaete-Argel, Aracelly, Oyarzun-Arrau, Aaron, Valiente-Echeverria, Fernando, Soto-Rifo, Ricardo, Weiskopf, Daniela, Sette, Alessandro, Zeng, Gang, Meng, Weining, Gonzalez-Aramundiz, Jose, Kalergis, Alexis M., CoronaVac03CL Study Grp. Safety and Immunogenicity of an Inactivated Severe

Acute Respiratory Syndrome Coronavirus 2 Vaccine in a Subgroup of Healthy Adults in Chile. CLINICAL INFECTIOUS DISEASES. 2022; 75 (1): 792-804. DOI: 10.1093/cid/ciab823. FI: 20,999. (D1).

LÓPEZ CUENCA, INÉS, Marcos-Dolado, Alberto, YUS FUERTES, MIGUEL, Salobar-Garcia, Elena, Elvira-Hurtado, Lorena, FERNÁNDEZ ALBARRAL, JOSÉ A., SALAZAR CORRAL, JUAN JOSÉ, RAMÍREZ SEBASTIÁN, ANA ISABEL, Sanchez-Puebla, Lidia, FUENTES FERRER, MANUEL ENRIQUE, BARABASH BUSTELO, ANA MARÍA, Ramirez-Torano, Federico, Gil-Martinez, Lidia, Arrazola-Garcia, Juan, GIL GREGORIO, PEDRO, DE HOZ MONTAÑANA, ROSA, RAMÍREZ SEBASTIÁN, JOSÉ MANUEL. The relationship between retinal layers and brain areas in asymptomatic first-degree relatives of sporadic forms of Alzheimer's disease: an exploratory analysis. ALZHEIMERS RESEARCH & THERAPY. 2022; 14 (1): -. DOI: 10.1186/s13195-022-01008-5. FI: 8,823. (D1).

### New non competitive funding

ECL.21/099. ENSAYO DE FASE III, ALEATORIZADO, DOBLE CIEGO EN PACIENTES ADULTOS Y ADOLESCENTES CON ESOFAGITIS EOSINOFÍLICA PARA DEMOSTRAR LA SUPERIORIDAD EN COMPARACIÓN CON PLACEBO DE UN TRATAMIENTO OCASIONAL Y/O CONTINUO DE 48 SEMANAS CON COMPRIMIDOS BUCODISPERSABLES. PI: CIRIZA DE LOS RIOS, CONSTANZA.





## OGS.18

### Health Care Research



#### Leading researchers

Ismael Ortuño Soriano

Daniel Muñoz Jiménez

#### Members

Adoración González Román	Margarita Lancharro Bermúdez
Alba María García Cuesta	María Alonso Casasus
Ana Belén Sánchez De La Ventana	María Antonio Cubero Pérez María Dolores Gómez Barriga
Angélica Sánchez García	María Fuencisla Sanz Sanz
Araceli Faraldo Cabana	María Josefa Rodríguez Machuca
Beatriz Rivas Eguía	María Montealegre Sanz
Beatriz Solas Gómez	María Sanz Guijo
Carlos Lorenzo García	Marina Isabel Sanjurjo Morote
Carolina Casanueva Pérez	M <sup>a</sup> Rosario Caparrós Sanz
Cristina Nieto Martínez	Nuria Navarro Sigüero
Daniel Menés Medina Del Palacio	Patricia Nieto González
Eva Villaseñor Muñoz	Rafael Crespo Sevilla
Isabel Gaitero García	Raquel Valera Monsalve
José Ángel Gonzalez Sanchez	Rosa María Moreno Rodríguez
Juan Manuel Berzosa Grande	Rubén Sánchez Gómez
Lucía Orta Galindo	Sandra López Martín
M <sup>a</sup> Juliana Gonzalez Martín	Sara Gil Useros
M <sup>a</sup> Paloma Posada Moreno	Tamara Raquel Velasco Sanz
	Verónica Gimeno Hernán

#### Scientific production

N° of papers (WoS)	<b>17</b>
% Open Access (N°)	<b>59%</b> (10)
% Citable Items (N°)	<b>88%</b> (15)
N° of papers JCR indexed	<b>17</b>
Q1 (citable items)	<b>40%</b> (6)
D1 (citable items)	<b>13%</b> (2)
Cumulative IF	<b>53,737</b>
Average IF	<b>3,582</b>



#### Overview

The “Care Research” group is made up of researchers who work with a common objective: to provide scientific evidence of the efficacy, usefulness and efficiency of nursing care in the areas of interest of adherence to treatments and healthy habits, patient safety and professional, as well as in the use, improvement and development of sanitary products. Specifically, it is made up of several nurses from the care, management and university teaching fields.



## OGS.18

### Selected publications

Gomez Carrion, Alvaro, de los angeles Atin Arratibel, Maria, Morales Lozano, Maria Rosario, Martinez Sebastian, Carlos, de la Cruz Torres, Blanca, SÁNCHEZ GÓMEZ, RUBÉN. Kinematic Effect on the Navicular Bone with the Use of Rearfoot Varus Wedge. *SENSORS*. 2022; 22 (3): -. DOI: 10.3390/s22030815. FI: 3,847. (Q2).

Romero-Garcia, Marta, Delgado-Hito, Pilar, Galvez-Herrer, Macarena, Antonio Angel-Sesmero, Jose, VELASCO SANZ, TAMARA RAQUEL, Benito-Aracil, Lluçia, Heras-La Calle, Gabriel. Moral distress, emotional impact and coping in intensive care unit staff during the outbreak of COVID-19. *INTENSIVE AND CRITICAL CARE NURSING*. 2022; 70 (): -. DOI: 10.1016/j.iccn.2022.103206. FI: 4,235. (D1).

VELASCO SANZ, TAMARA RAQUEL, Cabrejas Casero, Ana Maria, Rodriguez Gonzalez, Yolanda, Barbado Albaladejo, Jose Antonio, Mower Hanlon, Lydia Frances, Guerra Llamas, Maria Isabel. Opinions of nurses regarding Euthanasia and Medically Assisted Suicide. *NURSING ETHICS*. 2022; 29 (45145): 1721-1738. DOI: 10.1177/09697330221109940. FI: 3,344. (Q1).

### Awards

Researcher aware: Verónica Gimeno Hernán. Winning work: Validación de un modelo predictivo de disfunción de catéteres venosos centrales tunelizados en hemodiálisis. Award: Premio al Segundo Proyecto de Tesis con mayor impacto clínico. IV Jornada Internacional de Doctorandos. Investen. ISCIII.

Researcher aware: María Sanz Guijo. Winning work: Intervenciones para disminuir el impacto psicológico y físico de cuidadores informales de personas con demencia. Award: Premios de la Cátedra Poncemar de gerontología. Universidad de Murcia.

Researcher aware: Maria Dolores Gómez Barriga. Winning work: Impacto en la comunicación e información de los pacientes tras la incorporación de pizarras blancas en las unidades de hospitalización de Cardiodedl. Award: Tercer premio a la mejor comunicación oral en el XLIII congreso de la Asociación Española de Enfermería en Cardiología.

Researcher aware: Maria Dolores Gómez Barriga. Winning work: Mejorar la experiencia del paciente ingresado mediante la implantación de una cultura de mejora continua en las

unidades de hospitalización de Cardiodedl. Award: Primer premio en la categoría de "Calidad percibida", en la octava edición de los Premios Enfermería en Desarrollo.

Researcher aware: Araceli Faraldo Cabana. Winning work: Incidencia de la infección por SARS-CoV-2 en pacientes con un trasplante renal funcionante de un hospital terciario de la Comunidad de Madrid. Award: Premio al mejor artículo de investigación Lola-Andreu. SEDEN. 2022.

Researcher aware: Ana B. Sánchez de la Ventana. Winning work: Valoración de la técnica de higiene de manos en profesionales de Cuidados Intensivos: estudio descriptivo. Award: Segundo Premio en los VI Premios de Investigación del Colegio de Enfermería.

Researcher aware: María Isabel Rodríguez Redondo, Eva María Alonso Morales y Alejandro Vallejo Apestigue. Winning work: Manejo del Dolor Durante la Flebotomía. Puesta a punto. Award: Accésit al mejor póster en la V Jornada de Atención al Dolor celebrada recientemente en el Hospital Universitario de Getafe.

### Doctorate theses

Doctoral candidate: Juan Avelino Muñoz Mansilla. Thesis title: EL TABAQUISMO EN LOS TRABAJADORES SANITARIOS: PERSPECTIVA DESDE EL HOSPITAL CLÍNICO SAN CARLOS DE MADRID. Director(s): Juan Vicente Beneit Montesinos. University: Universidad Complutense de Madrid.

Doctoral candidate: Amalia Graciela Silva Galleguillos. Thesis title: Factores que determinan la competencia de las enfermeras de atención primaria de salud (APS) y atención hospitalaria del servicio metropolitano norte. Santiago-Chile en cuidados de enfermería basados en la evidencia. Director(s): Tamara Velasco Sanz. University: Universidad Complutense de Madrid.

### Technology transfer

Procedimiento y dispositivo para la detección visual del grado de aptitud de una muestra aislada de sangre para su validación en análisis clínicos: Inventor: Ismael ORTUÑO SORIANO, Emilio VARGAS CASTRILLÓN, Leticia Carmen SIMÓN LÓPEZ, María Dolores OCHOA MAZARRO, Sergio LUQUERO BUENO. Fecha Licencia: 30/09/2020.

## OGS.19

### Epidemiology and Health Services



#### Leading researchers

Manuel Enrique Fuentes Ferrer (until dic-22)

Carmen de Burgos Lunar (from dic-22)

#### Members

Agustín Turrero Nogués

Ana Capapé Aguilar

Arantxa Lana Gómez

Beatriz Pelaez Ros

Francisco Miguel Tobal

Ignacio Bardón Fernández-Pacheco

Irene Serrano García

Isabel Rita Gómez Parra

Julio Cesar Legido Arce

Karina Davila Merizalde

M<sup>a</sup> Covadonga Caso Pita

M<sup>a</sup> Mercedes Lucas Barajas

M<sup>a</sup> Paz Monleón Herrero

María Carmen Mestre González

María De Los Ángeles Díaz Sotero

María Teresa Alonso Cobo

Mercedes Galindo Canales

Pilar Martín Escudero

Rafael Sánchez Del Hoyo

Silvia O´Connor Pérez

#### Scientific production

Nº of papers (WoS)	<b>18</b>
% Open Access (Nº)	<b>56%</b> (10)
% Citable Items (Nº)	<b>94%</b> (19)
Nº of papers JCR indexed	<b>18</b>
Q1 (citable items)	<b>41%</b> (7)
D1 (citable items)	<b>12%</b> (2)
Cumulative IF	<b>85,969</b>
Average IF	<b>5,057</b>

#### Overview

In 1992, the REUNI Project (Research Units Network of the National Health System) was created, in order to establish a strategy for organizing resources in the NHS. With the creation of the REUNI network, the Hospital Clínico credited his Unit of Methodological Research Support in 1994, with resources from the Preventive Medicine Service. Since then, the Preventive Medicine research group has worked on facilitating technical support in statistics, research methodology and epidemiology, both in experimental and observational research, to clinical investigators and hospital staff. The Preventive Medicine research group have allowed specialization in these areas and the development of own research lines, such as technology assessment, studies of population epidemiology, experimental research and mathematical modeling for epidemiological patterns.

In 2019 there is a merger of this group with the Sports and Occupational Health groups, integrating into a single line of Epidemiology and Health.

The Health and Safety Occupational Service of H. C. S. C. was formed in 1999. Since its inception the Service has been involved in the research lines of vaccination in adults, vaccination of particular relevance to health workers and other labor groups, and the development of new vaccines.

The Sport group is a multidisciplinary research group collaborates with COE (Spanish Olympic Committee), AEPSAD (Spanish Agency for Protection of Health in Sport), WADA (World Anti-Doping Agency), etc., in the pursuit of research throughout the sports field.

## OGS.19

### Selected publications

Boutry, Celine, Hastie, Andrew, Diez-Domingo, Javier, Tinoco, Juan Carlos, Yu, Chong-Jen, Andrews, Charles, Beytout, Jean, CASO PITA, M<sup>a</sup> COVADONGA, Cheng, Huey-Shinn, Cheong, Hee Jin, Choo, Eun Ju, Curiac, Dan, Di Paolo, Emmanuel, Dionne, Marc, Eckermann, Tamara, Esen, Meral, Ferguson, Murdo, Ghesquiere, Wayne, Hwang, Shinn-Jang, Avelino-Silva, Thiago Junqueira, Kosina, Pavel, Liu, Chiu-Shong, Markkula, Jukka, Moeckesch, Beate, de Oliveira, Claudia Murta, Park, Dae Won, Pauksens, Karlis, Pirrotta, Paola, Plassmann, Georg, Pretswell, Carol, Rombo, Lars, Salaun, Bruno, Berglund, Johan Sanmartin, Schenkenberger, Isabelle, Schwarz, Tino, Shi, Meng, Ukkonen, Benita, Zahaf, Toufik, Zerbini, Cristiano, Schuind, Anne, Cunningham, Anthony L., Zoster-049 Study Grp. The Adjuvanted Recombinant Zoster Vaccine Confers Long-Term Protection Against Herpes Zoster: Interim Results of an Extension Study of the Pivotal Phase 3 Clinical Trials ZOE-50 and ZOE-70. *CLINICAL INFECTIOUS DISEASES*. 2022; 74 (8): 1459-1467. DOI: 10.1093/cid/ciab629. FI: 20,999. (D1).

LÓPEZ CUENCA, INÉS, Marcos-Dolado, Alberto, YUS FUERTES, MIGUEL, Salobrar-Garcia, Elena, Elvira-Hurtado, Lorena, FERNÁNDEZ ALBARRAL, JOSÉ A., SALAZAR CORRAL, JUAN JOSÉ, RAMÍREZ SEBASTIÁN, ANA ISABEL, Sanchez-Puebla, Lidia, FUENTES FERRER, MANUEL ENRIQUE, BARABASH BUSTELO, ANA MARÍA, Ramirez-Torano, Federico, Gil-Martinez, Lidia, Arrazola-Garcia, Juan, GIL GREGORIO, PEDRO, DE HOZ MONTAÑANA, ROSA, RAMÍREZ SEBASTIÁN, JOSÉ MANUEL. The relationship

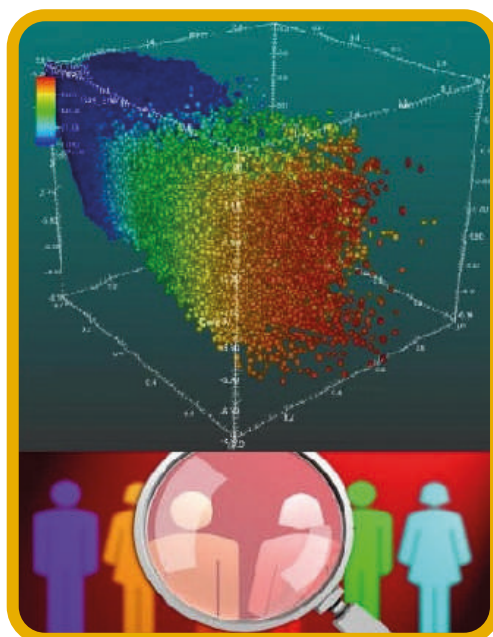
between retinal layers and brain areas in asymptomatic first-degree relatives of sporadic forms of Alzheimer's disease: an exploratory analysis. *ALZHEIMERS RESEARCH & THERAPY*. 2022; 14 (1). DOI: 10.1186/s13195-022-01008-5. FI: 8,823. (D1).

GUTIERREZ VIEDMA, ALVARO, ROMERAL JIMENEZ, MARÍA, SERRANO GARCÍA, IRENE, PAREJO CARBONELL, BEATRIZ, Cuadrado-Pérez, M L, SANZ GRACIANI, ISABEL, GARCÍA MORALES, IRENE. The importance of timing in epilepsy partialis continua. *Neurologia*. 2022; 37 (4): 263-270. DOI: 10.1016/j.nrl.2019.03.004. FI: 5,486. (Q1).

### New non competitive funding

ECL.22/323. ESTUDIO EN FASE IIIB, MULTICÉNTRICO, MULTINACIONAL, ABIERTO, DE SEGUIMIENTO A LARGO PLAZO DE ZOSTER-049 (SEGUIMIENTO DE LOS ESTUDIOS ZOSTER-006/022) PARA EVALUAR LA EFICACIA PROFILÁCTICA, LA SEGURIDAD Y LA PERSISTENCIA DE LA RESPUESTA INMUNITARIA DE UNA V. PI: CASO PITA, M<sup>a</sup> COVADONGA.

PME.M01FCM. Desarrollo de un oxímetro de pulso portátil con salida bluetooth para integración en el seguimiento médico de pacientes postcovid 19, con rehabilitación respiratoria intra y extrahospitalaria. PI: MARTÍN ESCUDERO, PILAR. Funding organisation: FUNDACION MADRIMASD PARA EL CONOCIMIENTO.



## OGS.22

REACTIVATED  
GROUP

### Contemporary Physiotherapy Research (InPhysio)



#### Leading researcher

Gustavo Plaza Manzano

Miriam Robledo García (until dic 2022)

#### Members

Emma Cabezas Moreno

Ibai López De Uralde Villanueva

José Calvo Paniagua

José María Pérez Redondo

María José Díaz Arribas

Miriam Robledo García

Pablo García Fernández

Patricia Martín Casas

Tamara Del Corral Núñez-Flores

#### Scientific production

N° of papers (WoS)	<b>36</b>
% Open Access (N°)	<b>69%</b> (25)
% Citable Items (N°)	<b>100%</b> (35)
N° of papers JCR indexed	<b>35</b>
Q1 (citable items)	<b>60%</b> (21)
D1 (citable items)	<b>6%</b> (2)
Cumulative IF	<b>55,82</b>
Average IF	<b>4,452</b>

#### Overview

The research group in Contemporary Physiotherapy (InPhysio) is composed of physiotherapists dedicated to generating new knowledge in various fields of physiotherapy, as well as to the clinical care of patients and the training of future clinicians and researchers, ranging from the integration of the neuroscience of pain and musculoskeletal dysfunction with the clinical aspects of musculoskeletal physiotherapy treatment, to the care of patients with neurological, cardiorespiratory and persistent COVID diseases.

## OGS.22

### Selected publications

Minambres-Martin, Diego, MARTIN CASAS, PATRICIA, LÓPEZ DE URALDE VILLANUEVA, IBAI, Fernandez-de-Las-Penas, Cesar, Antonio Valera-Calero, Juan, PLAZA MANZANO, GUSTAVO. Physical Function in Amateur Athletes with Lumbar Disc Herniation and Chronic Low Back Pain: A Case-Control Study. *International Journal of Environmental Research and Public Health*. 2022; 19 (6): -. DOI: 10.3390/ijerph19063743. FI: 4,614. (Q1).

PLAZA MANZANO, GUSTAVO, Fernandez-de-Las-Penas, Cesar, Cleland, Joshua A., Arias-Buria, Jose L., Jayaseelan, Dhinu J., Navarro-Santana, Marcos J.. A Closer Look at Localized and Distant Pressure Pain Hypersensitivity in People With Lower Extremity Overuse Soft-Tissue Painful Conditions: A Systematic Review and Meta-Analysis. *PHYSICAL THERAPY*. 2022; 102 (12): -. DOI: 10.1093/ptj/pzac119. FI: 3,679. (Q1).

Fabero-Garrido, Raul, DEL CORRAL NUÑEZ-FLORES, TAMARA, Angulo-Diaz-Parreno, Santiago, PLAZA MANZANO, GUSTAVO, MARTIN CASAS, PATRICIA, Cleland, Joshua A., Fernandez-de-Las-Penas, Cesar, LÓPEZ DE URALDE VILLANUEVA, IBAI. Respiratory muscle training improves exercise tolerance and respiratory muscle function/structure post-stroke at short term: A systematic review and meta-analysis. *Annals of Physical and Rehabilitation Medicine*. 2022; 65 (5): -. DOI: 10.1016/j.rehab.2021.101596. FI: 5,393. (D1).

### Awards

Researcher aware: PATRICIA MARTÍN CASAS. Winning work: "Implicaciones clínicas y funcionales de la capacidad de creación de imágenes motoras en pacientes con enfermedad de Parkinson". Award: PREMIO A LA MEJOR TESIS DOCTORAL. COLEGIO DE FISIOTERAPEUTAS DE MADRID. Dirección de la tesis premiada, de la Dra. Rosario Ferreira Sánchez.

### Doctorate theses

Doctoral candidate: María García Arrabé. Thesis title: Efecto del calzado minimalista en la musculatura del suelo pélvico durante la carrera en mujeres nulíparas. Director(s): María José Díaz Arribas. University: Universidad Complutense de Madrid.

### New competitive funding

1237-2022. Beneficios de la supervisión presencial vs telemática durante un programa de ejercicio terapéutico mediante circuitos urbanos y educación terapéutica para mejorar la tolerancia al ejercicio en pacientes con enfermedad pulmonar. PI: del Corral Núñez-Flores, Tamara. Funding organisation: Sociedad Española de Neumología y Cirugía Torácica.

AEEC-INV-FOR 22/001. PREhabilitación en Cirugía Cardíaca. Estudio PRECICA. PI: Ojeda García, Coral. Funding organisation: Sociedad Española de Cardiología.

Ayudas a la Investigación 2022 del Área Investiga por la modalidad Universidades. Determinación de los valores de referencia de las presiones respiratorias máximas y de la presión nasal en inhalación máxima en población española pediátrica sana. PI: Lista Paz, Ana. Funding organisation: Colexio Oficial de Fisioterapeutas de Galicia.

### Technology transfer

Software con Registro de la Propiedad Intelectual. RIA (Requisitos de Investigación Academia en Ciencias de la Salud): Inventor: IBAI LÓPEZ DE URALDE VILLANUEVA GUSTAVO PLAZA MANZANO. Date of granting: 27/09/2022. Date of License: 25/10/2022.



## OGS.23

### The Digestive System

#### Leading researcher

Enrique Rey Díaz-Rubio

#### Members

Ángel Álvarez Sánchez

Antonio Ruiz De León San Juan

Blanca Serrano Falcon

Carlos Taxonera Samsó

Carmen Poves Francés

Francisca Cuenca Alarcon

Juan Luis Mendoza Hernández

Julio Antonio Pérez De La Serna Bueno

M<sup>a</sup> Concepción Sevilla Mantilla

María José Devesa Medina

María Luz Del Castillo González

Miguel Ángel García Brenes

Natalia López Palacios

#### Scientific production

N° of papers (WoS)	<b>22</b>
% Open Access (N°)	<b>50%</b> (11)
% Citable Items (N°)	<b>77%</b> (17)
N° of papers JCR indexed	<b>22</b>
Q1 (citable items)	<b>41%</b> (7)
D1 (citable items)	<b>18%</b> (3)
Cumulative IF	<b>113,426</b>
Average IF	<b>6,672</b>

#### Overview

The Digestive System research group is focused on the research of diseases of the digestive system in epidemiological and clinical aspects, as well as in pathogenetic and pathophysiological aspects. The group's research focuses on:

Knowing the impact of digestive functional disorders and GERD on our society and in the clinic, looking for factors associated with the suffering of these diseases and improving the diagnosis and therapeutic management in clinical practice.

Genetic factors related to the natural history and response to treatment in viral hepatitis and in the pathogenic, pathophysiological, clinical, diagnostic and therapeutic aspects of liver disease.

The study of inflammatory bowel diseases (in collaboration with the Clinical Immunology Services and Radiodiagnosis: identification of susceptibility polymorphisms, epidemiology, use of radiological tests, implementation of enteroRm as a technique in the diagnosis and therapeutic management in Crohn's Disease and treatment response studies).

Motor activity of the digestive system: physiological studies, new methods and diagnostic techniques, genetics of diseases presenting with gastrointestinal motor disorders, assessment of therapeutic alternative techniques.

## OGS.23

### Selected publications

Rengarajan, Arvind, Rogers, Benjamin D., Wong, Zhiqin, Tolone, Salvatore, Sifrim, Daniel, Serra, Jordi, Savarino, Edoardo, Roman, Sabine, Remes-Troche, Jose M., Ramos, Rosa, PÉREZ DE LA SERNA BUENO, JULIO ANTONIO, Pauwels, Ans, Maria Leguizamo, Ana, Lee, Yeong Yeh, Kawamura, Osamu, Hayat, Jamal, Hani, Albis, Gonlachanvit, Sutep, Cisternas, Daniel, Carlson, Dustin, Bor, Serhat, Bhatia, Shobna, Abrahao, Luiz, Pandolfino, John, Gyawali, C. Prakash. High-Resolution Manometry Thresholds and Motor Patterns Among Asymptomatic individuals. *CLINICAL GASTROENTEROLOGY AND HEPATOLOGY*. 2022; 20 (3): 398-406. DOI: 10.1016/j.cgh.2020.10.052. FI: 13,576. (D1).

Chaparro, Maria, Baston-Rey, Iria, Fernandez-Salgado, Estela, Gonzalez Garcia, Javier, Ramos, Laura, Diz-Lois Palomares, Maria Teresa, Arguelles-Arias, Federico, Iglesias Flores, Eva, Cabello, Mercedes, Rubio Iturria, Saioa, Nunez Ortiz, Andrea, Charro, Mara, Ginard, Daniel, DuenasSadornil, Carmen, Merino Ochoa, Olga, Busquets, David, Iyo, Eduardo, Gutierrez Casbas, Ana, Ramirez de la Piscina, Patricia, Maia Bosca-Watts, Marta, Arroyo, Maite, Jose Garcia, Maria, Hinojosa, Esther, Gordillo, Jordi, Martinez Montiel, Pilar, Velayos Jimenez, Benito, Quilez Ivorra, Cristina, Vazquez Moron, Juan Maria, Maria Hugueta, Jose, Gonzalez-Lama, Yago, Munagorri Santos, Ana Isabel, Manuel Amo, Victor, Dolores Martin-Arranz, Maria, Bermejo, Fernando, Martinez Cadilla, Jesus, Rubin de Celix, Cristina, Fradejas Salazar, Paola, Lopez San Roman, Antonio, Jimenez, Nuria, Garcia Lopez, Santiago, Figuerola, Anna, JIMENEZ VARAS, INES, Martinez Cerezo, Francisco Jose, TAXONERA SAMSÓ, CARLOS, Varela, Pilar, de Francisco, Ruth, Monfort, David, Molina Arriero, Gema, Hernandez Camba, Alejandro, Javier Garcia-Alonso, Francisco, Van Domselaar, Manuel, Pajares Villarroya, Ramon, Nunez, Alejandro, Rodriguez Moranta, Francisco, Marin-Jimenez, Ignacio, Robles Alonso, Virginia, Martin Rodriguez, Maria del Mar, Camo-Monterde, Patricia, Garcia Tercero, Ivan, Navarro Llavat, Mercedes, Arias Garcia, Lara, Hervias Cruz, Daniel, Sulleiro, Sara, Novella, Cynthia, Vispo, Eugenia, Barreiro-de Acosta, Manuel, Gisbert, Javier P.. Long-Term Real-World Effectiveness and Safety

of Ustekinumab in Crohn's Disease Patients: The SUSTAIN Study. *INFLAMMATORY BOWEL DISEASES*. 2022; 28 (11): 1725-1736. DOI: 10.1093/ibd/izab357. FI: 7,29. (Q1).

TAXONERA SAMSÓ, CARLOS, OLIVARES QUINTANAR, DAVID, ALBA LÓPEZ, CRISTINA. Real-World Effectiveness and Safety of Tofacitinib in Patients With Ulcerative Colitis: Systematic Review With Meta-Analysis. *INFLAMMATORY BOWEL DISEASES*. 2022; 28 (1): 32-40. DOI: 10.1093/ibd/izab011. FI: 7,29. (Q1).

### Awards

Researcher aware: Enrique Rey. Winning work: Award: Acceso al cuerpo de Catedrático de Universidad por la Agencia Nacional de Evaluación de la Calidad y Acreditación.

### Clinical practice guidelines

TAXONERA SAMSÓ, CARLOS, OLIVARES QUINTANAR, DAVID, ALBA LÓPEZ, CRISTINA. Recommendations for the detection of latent tuberculosis infection in patients with immune-mediated inflammatory diseases candidates for anti-TNF therapy may not be applicable in all settings. *RHEUMATOLOGY INTERNATIONAL*. 2022. Editorial: SPRINGER HEIDELBERG. ISBN/DOI: 10.1007/s00296-021-04963-8.

### New non competitive funding

ECL.2019/102. Seguimiento de un estudio en fase III para evaluar la eficacia y la seguridad a largo plazo de darvadstrocel en el tratamiento de fístulas perianales complejas, en pacientes con enfermedad de Crohn que han participado en el estudio ADMIRE II. PI: TAXONERA SAMSÓ, CARLOS.

## OGS.24

### Hematology



#### Leading researchers

Celina Benavente Cuesta

Fernando Ataúlfo González Fernández

#### Members

Alejandro Manuel Bobes

Alexandra C. Pedraza

Carlos Ramos Acosta

Dennisse Sharon Toral Ibarra

Eduardo Anguita Mandly

Eloy Del Potro Gómez

Erika Coria Ramírez

Estefania Bolaños Calderon

Laura Huerta Pantoja

María Del Carmen Vicente Ayuso

María García Roa

María Paz Martín Hernandez

Marta Mateo Morales

Marta Polo Zarzuela

Milton Eduardo Salazar Hidalgo

Paloma Ropero Gradilla

Petros Papadopoulos

Purificación Pérez Martínez

Rafael Benigno Martínez Martínez

Roberto Trelles Martínez

Rosa María Tarradas Valero

Sara Ferrer Benito

Sara Rochas López

Silvia Escribano Serrat

Silvia Santos Suárez

Sofía Álvarez Galeano

Xiomara Guerrero Carreño

#### Scientific production

N° of papers (WoS)	<b>37</b>
% Open Access (N°)	<b>59%</b> (22)
% Citable Items (N°)	<b>81%</b> (30)
N° of papers JCR indexed	<b>35</b>
Q1 (citable items)	<b>40%</b> (12)
D1 (citable items)	<b>27%</b> (8)
Cumulative IF	<b>165,457</b>
Average IF	<b>5,909</b>

#### Overview

Our group has more than two decades of research in the field of hematology, three line paths have been developed:

- Treatment of hematologic malignancies.
- Oncohematologic molecular and cellular study.
- Erythropathology.

Basic studies of globin locus have also been conducted in the field of epigenetics, regulatory elements in cis with "knock-out" mice, and transcription factors.

## OGS.24

### Selected publications

Barbui, Tiziano, Carobbio, Alessandra, Ghirardi, Arianna, Iurlo, Alessandra, Sobas, Marta Anna, Elli, Elena Maria, Rumi, Elisa, De Stefano, Valerio, Lunghi, Francesca, Marchetti, Monia, Daffini, Rosa, Gasior Kabat, Mercedes, Cuevas, Beatriz, Laura Fox, Maria, Miguel Andrade-Campos, Marcio, Palandri, Francesca, Guglielmelli, Paola, Benevolo, Giulia, Harrison, Claire, Foncillas, Maria-Angeles, Bonifacio, Massimiliano, Alvarez-Larran, Alberto, Kiladjian, Jean-Jacques, BOLAÑOS CALDERON, ESTEFANIA, Patriarca, Andrea, Quiroz Cervantes, Keina, Griesshammer, Martin, Garcia-Gutierrez, Valentin, Marin Sanchez, Alberto, Magro Mazo, Elena, Carli, Giuseppe, Carlos Hernandez-Boluda, Juan, Osorio, Santiago, Carreno-Tarragona, Gonzalo, Sagues Serrano, Miguel, Kusec, Rajko, Navas Elorza, Begona, Angona, Anna, Xicoy Cirici, Blanca, Lopez Abadia, Emma, Koschmieder, Steffen, Cattaneo, Daniele, Bucelli, Cristina, Cichocka, Edyta, de Nalecz, Anna Kulikowska, Cavalca, Fabrizio, Borsani, Oscar, Betti, Silvia, Bellini, Marta, Curto-Garcia, Natalia, Rambaldi, Alessandro, Vannucchi, Alessandro Maria. Determinants of early triage for hospitalization in myeloproliferative neoplasm (MPN) patients with COVID-19. AMERICAN JOURNAL OF HEMATOLOGY. 2022; 97 (12): 470-473. DOI: 10.1002/ajh.26732. FI: 13,265. (D1).

Caravaca-Fontan, Fernando, Rivero, Marta, Caverio, Teresa, Diaz-Encarnacion, Montserrat, Cabello, Virginia, Ariceta, Gema, Quintana, Luis F., Marco, Helena, Barros, Xoana, Ramos, Natalia, Rodriguez-Mendiola, Nuria, Cruz, Sonia, Fernandez-Juarez, Gema, Rodriguez, Adela, Perez de Jose, Ana, Rabasco, Cristina, Rodado, Raquel, Fernandez, Loreto, Perez-Gomez, Vanessa, Avila, Ana, Bravo, Luis, Espinosa, Natalia, Allende, Natalia, Sanchez de la Nieta, Maria Dolores, Rodriguez, Eva, Olea, Teresa, Melgosa, Marta, Huerta, Ana, Miquel, Rosa, Mon, Carmen, Fraga, Gloria, de Lorenzo, Alberto, Draibe, Juliana, GONZÁLEZ FERNÁNDEZ, FERNANDO ATAÚLFO, SHABAKA FERNANDEZ, AMIR, Esperanza Lopez-Rubio, Maria, Angeles Fenolosa, Maria, Martin-Penagos, Luis, Da Silva, Iara, Alonso Titos, Juana, Rodriguez de Cordoba, Santiago, Goicoechea de Jorge, Elena, Praga, Manuel. Development and validation of a nomogram to predict kidney survival at baseline in patients with C3 glomerulopathy. CLINICAL KIDNEY JOURNAL. 2022; 15 (9): 1737-1746. DOI: 10.1093/ckj/sfac108. FI: 5,86. (Q1).

Martinez-Cuadron, David, Megias-Vericat, Juan E., SERRANO GONZÁLEZ, JAVIER, Martinez-Sanchez, Pilar, Rodriguez-Arboli, Eduardo, Gil, Cristina, Aguiar, Eliana, Bergua, Juan, Lopez-Lorenzo, Jose L., Bernal, Teresa, Espadana, Ana, Colorado, Mercedes, Rodriguez-Medina, Carlos, Lopez-Pavia, Maria, Tormo, Mar, Algarra, Lorenzo, Amigo, Maria-Luz, Sayas, Maria J., Labrador, Jorge, Rodriguez-Gutierrez, Juan, BENAVENTE CUESTA, CELINA, Costilla-Barriga, Lisette, Garcia-Boyer, Raimundo, Lavilla-Rubira, Esperanza, Vives, Susana, Herrera, Pilar, Garcia-Belmonte, Daniel, Herraez, Maria Mar, Esteves, Graca Vasconcelos, Gomez-Roncero, Maria, Cabello, Ana, Bautista, Guiomar, Balerdi, Amaia, Mariz, Jose, Boluda, Blanca, Sanz, MA, Montesinos, Pau. Treatment patterns and outcomes of 2310 patients with secondary acute myeloid leukemia: a PETHEMA registry study. Blood Advances. 2022; 6 (4): 1278-1295. DOI: 10.1182/bloodadvances.2021005335. FI: 7,637. (Q1)

### New non competitive funding

EAM.C01AST. Convenio para llevar a cabo la ejecución del Proyecto "Validation of an innovative rapid test for the diagnosis of Acute Myeloblastic Leukemia (AML) based in Oxford Nanopore technology". PI: ANGUIA MANDLY, EDUARDO. Funding organisation: ASTELLAS PHARMA, S.A.

ECL.21/526. A PROSPECTIVE, OBSERVATIONAL STUDY, TO EVALUATE THE MAINTENANCE WITH BORTEZOMIB PLUS DARATUMUMAB (V-DARA) AFTER INDUCTION WITH BORTEZOMIB, MELPHALAN, PREDNISONE PLUS DARATUMUMAB (VMP-DARA) IN NEWLY DIAGNOSED MULTIPLE MYELOMA (MM) PATIENTS NON-ELIGIBLE FOR. PI: BENAVENTE CUESTA, CELINA.

ECL.21/571. UN ENSAYO ALEATORIZADO MULTICÉNTRICO DE FOSFOMICINA FRENTE A CIPROFLOXACINO PARA LA NEUTROPENIA FEBRIL EN PACIENTES HEMATOLÓGICOS: EFICACIA Y SEGURIDAD MICROBIOLÓGICA. PI: POLO ZARZUELA, MARTA.

ECL.21/608. ESTUDIO MULTICÉNTRICO, ALEATORIZADO, CONTROLADO CON PLACEBO, DOBLE CIEGO Y ADAPTATIVO DE FT-4202 ORAL, UN ACTIVADOR DE LA PIRUVATO CINASA EN PACIENTES CON ANEMIA DREPANOCÍTICA. PI: GONZÁLEZ FERNÁNDEZ, FERNANDO ATAÚLFO.

ECL.21/675. HISTORIA NATURAL Y RESULTADOS DE TRATAMIENTO DE PÚRPURA TROMBOCITOPÉNICA TROMBÓTICA CONGÉNITA E INMUNE: ESTUDIO DE REVISIÓN RETROSPECTIVA DE HISTORIAL MÉDICO DEL PACIENTE. PI: BENAVENTE CUESTA, CELINA.

ECL.22/021. MEJORA DE LAS TÉCNICAS INMUNOLÓGICAS Y MOLECULARES PARA EL DIAGNÓSTICO Y SEGUIMIENTO DE PACIENTES CON PURPURA TROMBÓTICA TROMBOCITOPÉNICA: UNA PROPUESTA DE ESTUDIO COOPERATIVO DEL GRUPO ESPAÑOL DE AFÉRESIS (GEA) EN COLABORACIÓN CON LA SOCIEDAD ESPAÑOLA DE. PI: BENAVENTE CUESTA, CELINA.

ECL.22/165. ESTUDIO OBSERVACIONAL DE SATISFACCIÓN DE PACIENTES Y MÉDICOS CON EL TRATAMIENTO ACTUAL PARA LA HEMOGLOBINURIA PAROXÍSTICA NOCTURNA EN ESPAÑA. PI: GONZÁLEZ FERNÁNDEZ, FERNANDO ATAÚLFO.

ECL.22/419. VALIDATION OF AN INNOVATIVE RAPID TEST FOR THE DIAGNOSIS OF ACUTE MYELOBLASTIC LEUKEMIA (AML) BASED IN OXFORD NANOPORE TECHNOLOGY. VALIDACIÓN DE UN INNOVADOR TEST RÁPIDO PARA LA CARACTERIZACIÓN DE LA LEUCEMIA MIELOBLÁSTICA AGUDA (LMA) AL DIAGNÓSTICO BASAD. PI: ANGUIA MANDLY, EDUARDO.

ECL.22/649. ESTUDIO DEL PAPEL DE LOS MODIFICADORES GENÉTICOS EN LAS HEMOGLOBINOPATÍAS. PI: ROPERO GRADILLA, PALOMA.

## OGS.25

### Pathology of Emergency



#### Leading researcher

Francisco Javier Martín Sánchez

#### Members

Alejandra Ortega Duarte  
 Ana María Mañas Hernández  
 Antonio Trino Salto Ariza  
 Cesáreo Fernández Alonso  
 David Chaparro Pardo  
 Éric Jorge García Lamberechts  
 Esther Rodríguez Adrada  
 Francisco Javier Candel González  
 Francisco Javier Martín Sánchez  
 Jaime Antonio Abelaira Freire  
 José Antonio Bustamante Mandrion  
 José Luis Fernández Rueda  
 José María Leal Pozuelo  
 Juan Jorge González Armengol  
 Juan María González Del Castillo  
 Laura Galván Herraiz  
 María De Los Ángeles Cuadrado Cenual  
 María Del Mar Suárez Cadenas  
 María Dolores Ortega De Heredia  
 Miguel Angel Garcia Briñón  
 Pedro Villarroel González-Elipe  
 Víctor Hernandez Martín-Romo

#### Scientific production

N° of papers (WoS)	<b>57</b>
% Open Access (N°)	<b>46%</b> (26)
% Citable Items (N°)	<b>80%</b> (45)
N° of papers JCR indexed	<b>56</b>
Q1 (citable items)	<b>38%</b> (17)
D1 (citable items)	<b>11%</b> (5)
Cumulative IF	<b>265,262</b>
Average IF	<b>5,894</b>

#### Overview

Determining the epidemiology of the most prevalent diseases.

Developing research on common diseases in emergencies.

Growing up in the research dissemination.

Training of doctors and nurses related to the field of emergency.

Improving the management, safety and quality evaluation in the emergency department.

Improving communication with patients.

Enhancing collaboration with other medical and surgical services from HCSC, both in educational and research aspects.

Formalizing strategic alliances with other emergency services, both in and out of the hospital.



## OGS.25

### Selected publications

GONZÁLEZ DEL CASTILLO, JUAN MARÍA, FUENTES FERRER, MANUEL ENRIQUE, FERNÁNDEZ PÉREZ, CRISTINA, Molina Romera, German, Nunez Orantos, Maria Jose, Estrada Perez, Vicente. Efficiency of screening for human immunodeficiency virus infection in emergency departments: a systematic review and meta-analysis. *Emergencias*. 2022; 34 (3): 204-212. DOI: . FI: 5,345. (Q1).

CANDEL GONZÁLEZ, FRANCISCO JAVIER, Henriksen, Anne Santerre, Longshaw, Christopher, Yamano, Yoshinori, Oliver, Antonio. In vitro activity of the novel siderophore cephalosporin, cefiderocol, in Gram-negative pathogens in Europe by site of infection. *CLINICAL MICROBIOLOGY AND INFECTION*. 2022; 28 (3): -. DOI: 10.1016/j.cmi.2021.07.018. FI: 13,31. (D1).

GARCIA AZORIN, DAVID, Abelaira-Freire, Jaime, GONZÁLEZ GARCÍA, NURIA, Rodriguez-Adrada, Esther, Schytz, Henrik Winther, Barloese, Mads, Luis Guerrero, Angel, PORTA ETESSAM, JESÚS, MARTÍN SÁNCHEZ, FRANCISCO JAVIER. Sensitivity of the SNNOOP10 list in the high-risk secondary headache detection. *Cephalalgia*. 2022; 42 (14): 1521-1531. DOI: 10.1177/03331024221120249. FI: 6,075. (Q1).

### Clinical practical guidelines

Julian-Jimenez, Agustin, Eduardo Garcia, Dario, GONZÁLEZ DEL CASTILLO, JUAN MARÍA, Lopez Tapia, Jesus Daniel. From the 2021 update of the international guidelines of Surviving Sepsis Campaign to new future guidelines proposed by emergency physicians to detect and treat serious infections and prevent progression to sepsis. *Emergencias*. 2022. Editorial: SANIDAD EDICIONES.

## OGS.27

### The Interdisciplinary Study Group of Diabetic Foot



#### Leading researchers

José Luis Lázaro Martínez

#### Members

Aroa Tardaguila García

Carmen Blasco Fanlo

Elpidio Calvo Manuel

Esther Alicia García Morales

Francisco Javier Álvaro Afonso

Irene Sanz Corbalan

José Luis García Klepzig

Juan Vicente Beneit Montesinos Del Olmo

María Del Carmen García Carrión

Raúl Juan Molines Barroso

Yolanda García Álvarez

#### Scientific production

N° of papers (WoS)	<b>26</b>
% Open Access (N°)	<b>73%</b> (19)
% Citable Items (N°)	<b>92%</b> (23)
N° of papers JCR indexed	<b>25</b>
Q1 (citable items)	<b>39%</b> (9)
D1 (citable items)	<b>4%</b> (1)
Cumulative IF	<b>118,111</b>
Average IF	<b>5,135</b>

#### Overview

Diabetic foot is one of the most prevalent complications associated with Diabetes Mellitus, approximately 15-25% of diabetics suffer some form of ulceration throughout their life, and can lead to 80% of non-traumatic amputations in our hospital. In Europe, the cost of an amputation is about 24,000 € only in direct costs, and a foot ulcer, during a 12 month active process, represents an expenditure of approximately € 22,000 per patient.

On the other hand, the high rate of lesion recurrence (around 60% in our country), and the high mortality associated with these patients, makes the diabetic foot an important problem of the health community with an impact in health, society and economy. The goal is to attend these patients and reduce the existing ulceration and re-ulceration rates, associated with Diabetes Mellitus, and therefore the number of amputations related to diabetic foot. The Interdisciplinary Study Group of Diabetic Foot of the Universidad Complutense in Madrid, consists of interdisciplinary university professors that complement and increase the fruits of their research and innovation in the Diabetic Foot Unit, of the Podiatry University Clinic at UCM. Their main corporate objective is education, prevention and rehabilitation of patients with Diabetes Mellitus, designed to minimize the possible effects of this disease on the health of their feet. To this end, our group develops research lines around Diabetic Foot in the preventive, diagnostic, therapeutic and rehabilitation framework, contributing to the excellence and development of patients care.

## OGS.27

### Selected publications

Oreja, Sara Garcia, ÁLVARO FERNÁNDEZ, RAQUEL, Sevillano-Fernandez, David, TARDÁGUILA GARCÍA, AROA, Lopez-Moral, Mateo, LÁZARO MARTÍNEZ, JOSÉ LUIS. A non-invasive method for diagnosing plantar warts caused by human papillomavirus (HPV). JOURNAL OF MEDICAL VIROLOGY. 2022; 94 (6): 2897-2901. DOI: 10.1002/jmv.27514. FI: 20,693. (D1).

LÓPEZ MORAL, MATEO, GARCÍA MORALES, ESTHER ALICIA, Molines-Barroso, Raul J., Garcia-Madrid, Marta, ÁLVARO FERNÁNDEZ, RAQUEL, LÁZARO MARTÍNEZ, JOSÉ LUIS. Effects of wear and tear of therapeutic footwear in patients remission. A 5-year follow-up study. DIABETES RESEARCH AND CLINICAL PRACTICE. 2022; 189 (): -. DOI: 10.1016/j.diabres.2022.109971. FI: 8,18. (Q1).

Garcia-Madrid, Marta, GARCÍA ÁLVAREZ, YOLANDA, SANZ CORBALAN, IRENE, ÁLVARO FERNÁNDEZ, RAQUEL, LÓPEZ MORAL, MATEO, LÁZARO MARTÍNEZ, JOSÉ LUIS. Predictive value of forefoot plantar pressure to predict reulceration in patients at high risk. DIABETES RESEARCH AND CLINICAL

PRACTICE. 2022; 189 (): -. DOI: 10.1016/j.diabres.2022.109976. FI: 8,18. (Q1).

### Awards

Researcher aware: Esther Alicia García-Morales, Raúl Juan Molines-Barroso, Francisco Javier Álvaro-Afonso, José Luis Lázaro-Martínez. Winning work: Effects of wear and tear of therapeutic footwear in patients remission. A 5-year follow-up study. Award: Paul Brand Award.

### New non competitive funding

ECL.21/489. SEGURIDAD DE EDOXABÁN EN PACIENTES CON FIBRILACIÓN AURICULAR NO VALVULAR (FANV) Y DIABETES MELLITUS TIPO 2 (DM2). PI: GARCÍA KLEPZIG, JOSÉ LUIS.



*Impact of Diabetes on the foot.*

## OGS.29

### Socioeconomic Health Determinants

#### Leading researcher

Enrique Regidor Poyatos

#### Members

Carolina Del Valle Giráldez García

Cruz Pascual Nobajas

David Martínez Hernández

Juana Maria Santos Sancho

Lucía Cea Soriano

María Elisa Calle Purón

Paloma Astasio Arbiza

Paloma Ortega Molina

#### Scientific production

N° of papers (WoS)	<b>6</b>
% Open Access (N°)	<b>67%</b> (4)
% Citable Items (N°)	<b>100%</b> (6)
N° of papers JCR indexed	<b>6</b>
Q1 (citable items)	<b>33%</b> (2)
D1 (citable items)	<b>17%</b> (1)
Cumulative IF	<b>37,498</b>
Average IF	<b>6,249</b>

#### Overview

The group's activities began at the end of last century's decade, and during the call for the creation of research groups at the Universidad Complutense de Madrid in 2006, it obtained the formal recognition by the Office of Research.

The overall objectives of the group are:

- 1) the study of the relationship of various factors of the social and economic environment with the emergence of health problems and prognosis of chronic diseases,
- 2) the study of the relationship of the birthplace with the emergence of health problems and prognosis of chronic diseases in the Spanish population,
- 3) the proposal and testing of hypotheses that explain these relationships and
- 4) the evaluation of health interventions aimed at reducing the burden of health problems in the whole population, and in different socioeconomic subgroups.

Factors related with health problems are under investigation with the socioeconomic status of individuals, the socioeconomic environment of the area of residence, and the immigrant versus local status. The evaluated interventions are those that seek to minimize the prevalence of risk behaviors to health.

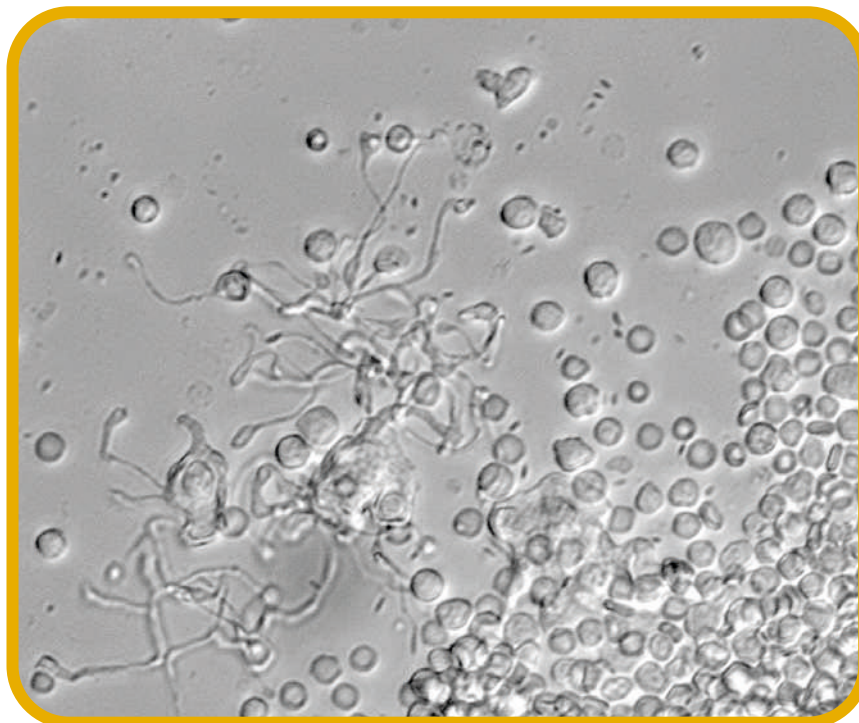
## OGS.29

### Selected publications

Politi, Julieta, Guerras, Juan-Miguel, Donat, Marta, Belza, Maria J., Ronda, Elena, Barrio, Gregorio, REGIDOR POYATOS, ENRIQUE. Favorable impact in hepatitis C-related mortality following free access to direct-acting antivirals in Spain. *Hepatology*. 2022; 75 (5): 1247-1256. DOI: 10.1002/hep.32237. FI: 17,298. (D1).

Donat, Marta, Barrio, Gregorio, Guerras, Juan-Miguel, Herrero, Lidia, Pulido, Jose, Belza, Maria-Jose, REGIDOR POYATOS, ENRIQUE. Educational Gradients in Drinking Amount and Heavy Episodic Drinking among Working-Age Men and Women in Spain. *International Journal of Environmental Research and Public Health*. 2022; 19 (7): -. DOI: 10.3390/ijerph19074371. FI: 4,614. (Q1).

CEA SORIANO, LUCIA, Pulido, Jose, Franch-Nadal, Josep, Santos, Juana M., Mata-Cases, Manel, Diez-Espino, Javier, Ruiz-Garcia, Antonio, REGIDOR POYATOS, ENRIQUE, PREDAPS Study Grp . Mediterranean diet and diabetes risk in a cohort study of individuals with prediabetes: propensity score analyses. *DIABETIC MEDICINE*. 2022; 39 (6): -. DOI: 10.1111/dme.14768. FI: 4,213. (Q2).





## OGS.30

### AFUSAN



#### Leading researchers

Francisco José Sánchez Muniz (until dic/22)

Juana Benedí Gonzalez (from dic/22)

#### Members

Adrian Macho Gonzalez

Alba Garcimartín Álvarez

Aránzazu Bocanegra De Juana

Elvira López-Oliva Muñoz

Jorge Arturo Santos Lopez

Juana Benedí Gonzalez

Miguel Vázquez Velasco

Paloma Celada Rodriguez

Sara Bastida Codina

Sofía Rodenas De La Rocha

#### Scientific production

N° of papers (WoS)	<b>1</b>
% Open Access (N°)	<b>100%</b> (1)
% Citable Items (N°)	<b>100%</b> (1)
Q1 (citable items)	<b>100%</b> (1)
Cumulative IF	<b>6,575</b>
Average IF	<b>6,575</b>

#### Overview

The research group was created in 1992, responding to the UCM call for training and research groups in this scientific field. Members of the group teach various subjects in Bachelor Degrees and Degrees in Pharmacy, Human Nutrition and Dietetics, as well as in Science and Food Technology. The group is also involved in the postgraduate teaching of the PhD program in Nutrition, and in the Master program in Pharmaceutical Sciences, in subjects such as Nutrition, Cardiovascular Diseases and Functional Nutrition and nutrigenomics, and personalized nutrition.

## OGS.30

### Selected publications

Hernandez-Martin, Marina, BOCANEGRA DE JUANA, ARÁNZAZU, Redondo-Castillejo, Rocio, MACHO GONZALEZ, ADRIAN, SÁNCHEZ MUNIZ, FRANCISCO JOSE, BENEDÍ GONZALEZ, JUANA, BASTIDA CODINA, SARA, Garcia-Fernandez, Rosa A., GARCIMARTÍN ÁLVAREZ, ALBA, LÓPEZ-OLIVA MUÑOZ, ELVIRA. Could Duodenal Molecular Mechanisms be Involved in the Hypocholesterolemic Effect of Silicon Used as Functional Ingredient in Late-Stage Type 2 Diabetes Mellitus?. MOLECULAR NUTRITION & FOOD RESEARCH. 2022; 66 (24). DOI: 10.1002/mnfr.202200104. FI: 6,575. (Q1).

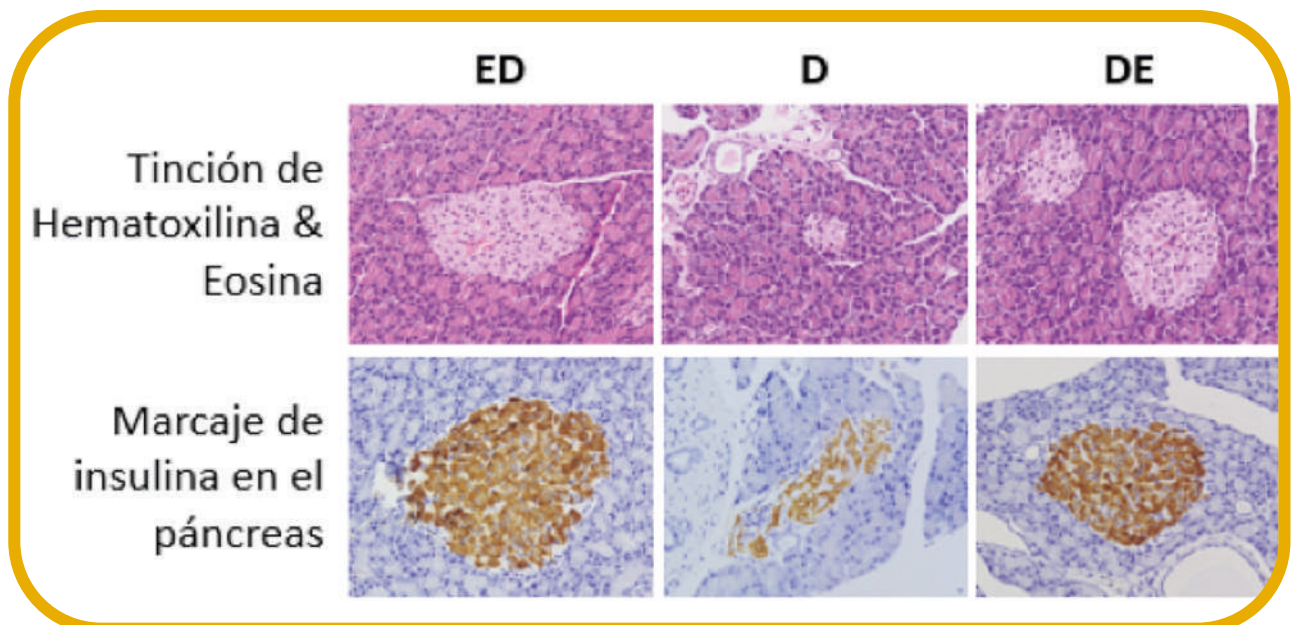
### Doctorate theses

Doctoral candidate: Ángela Gil Martín. Thesis title: Resultados en práctica clínica real del tratamiento de la hepatitis C con nuevos antivirales de acción directa en pacientes con coinfección VIH/VHC. Director(s): María José Calvo Alcántara, Juan J González García, Juana Benedí González. University: Universidad Complutense de Madrid.

Doctoral candidate: Macarena García-Trevijano Gavetas. Thesis title: Análisis de la farmacoterapia en cáncer de próstata metastásico resistente a la castración e identificación de factores predictivos de respuesta. Director(s): José Antonio Romero Garrido, Enrique Espinosa Arranz, Juana Benedí González. University: Universidad Complutense de Madrid.

### Technology transfer

Efectos comparativos del aceite de oliva virgen extra y del aceite de girasol utilizados en frituras, adicionados o no con taninos condensados, sobre el estatus antioxidante, la integridad de la barrera intestinal y la microbiota colónica de ratas Wistar. Artículo 83 (UCM). Contrato 171-2019. Consejo Oleícola Internacional. Documento 201905280852\_cecda9e27a03776. Inventors: Francisco J. Sánchez Muniz, Alba Garcimartín Álvarez, Sara Bastida Codina, Juana Benedí González, María Elvira López Oliva. Date of granting: 2019. Date of licence: 2020.



## OGS.32

### Ciencias Forenses: genética y toxicología forense



#### Leading researcher

Eduardo Arroyo Pardo

#### Members

- Ana María López Parra
- Ana Patricia Moya Rueda
- Cesar López Matayoshi
- Claudia Lopes Gomes
- Sara Palomo Díez

#### Overview

We use population genetics and molecular tools in the forensic field as follows: 1) genetic identification and kinship, 2) determination of biogeographical origin of human samples through Ancestral Informative Markers (AIMs) and External Visible Characteristics (EVC); and 3) Genetic Polymorphism (P450 cytochrome, etc) in drugs and medicines in present-day populations and toxicology of ethanol. Our group has extensive experience in the study of variability of autosomal markers (Short Tandem Repeats/STRs or Single Nucleotide Polymorphism/SNPs), sex-linked markers (X chromosome), haploid markers (mitochondrial DNA, Y chromosome polymorphisms) and also in the analysis of genetic data through specific software.

The group has also wide experience in the study of the above mentioned polymorphisms in Low DNA template, both in forensic and in archaeological casework.

#### Selected publications

DELGADO LOSADA, MARIA LUISA, Bouhaben, Jaime, ARROYO PARDO, EDUARDO, APARICIO VIZUETE, ARANZAZU, Lopez-Parra, Ana Maria . Loneliness, Depression, and Genetics in the Elderly: Prognostic Factors of a Worse Health Condition?. International Journal of Environmental Research and Public Health. 2022; 19 (23). DOI: 10.3390/ijerph192315456. FI: 4,614. (Q1).

#### Scientific production

Nº of papers (WoS)	2
% Open Access (Nº)	100% (2)
% Citable Items (Nº)	100% (2)
Nº of papers JCR indexed	2
Q1 (citable items)	50% (1)
Cumulative IF	7,452
Average IF	3,726

Alves-Cardoso, Francisca, Palomo-Diez, Sara, Conde, Alejandro Alonso, LOPES GOMES, CLAUDIA, Casimiro, Silvia, da Silva, Rodrigo Banha, ARROYO PARDO, EDUARDO. Metagenomic Research of Infectious Diseases in Archaeological Contexts: Evidence from the Hospital Real de Todos-os-Santos (Portugal). APPLIED SCIENCES-BASEL. 2022; 12 (12): -. DOI: 10.3390/app12126096. FI: 2,838. (Q2).

#### Awards

Researcher aware: Ana María López Parra, Eduardo Arroyo Pardo. Winning work: ¿Es la soledad un factor pronóstico del estado de salud?. Award: PREMIO SALGADO ALBA AÑO 2022, ÁREA CIENCIAS SOCIALES Y DEL COMPORTAMIENTO, Congreso Sociedad Española de Geriátria.

#### New competitive funding

PALARQ. "El yacimiento arqueológico de Galligants (Girona). PI: Cláudia Lopes Gomes; Eulàlia Subirà. Funding organisation: FUNDACIÓN PALARQ.

PALARQ. "La iglesia visigoda de El Rebollar (El Boalo, Madrid): Un centro de culto milenario en el centro peninsular". PI: Javier Salido Domínguez; Sara Palomo Díez. Funding organisation: FUNDACIÓN PALARQ.

# OGS.33

## Chronobiological Molecular Mechanisms



### Leading researchers

María del Pilar Fernández Mateos

Vanesa Jiménez Ortega

### Members

Ana Isabel Esquífino Parras

Leire Virto

María Juliana Perez De Miguelsanz

María Pilar Cano Barquilla

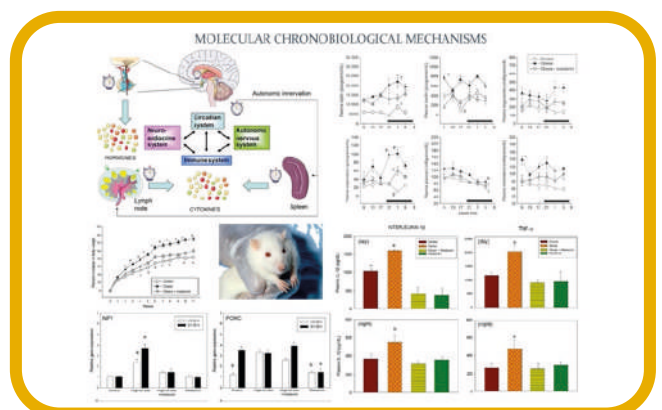
Scientific production	
N° of papers (WoS)	1
% Open Access (N°)	0% (0)
% Citable Items (N°)	100% (1)
N° of papers JCR indexed	1
Q1 (citable items)	100% (1)
Cumulative IF	5,021
Average IF	5,021

### Overview

Over the last three decades, our group has described the 24 hours oscillations of different genetic, metabolic, endocrine, immune and neural Wistar rat markers. Those daily patterns of multiple processes are coordinated and synchronized by an endogenous biological clock within the hypothalamus, which orchestrates the homeostasis mainly through the action of peripheral clock genes and chronobiologic hormones, like melatonin. The circadian rhythm of each parameter is defined by an acrophase and amplitude, specific of tissue and the season of sample collection. Different assumptions, such as nutritional alterations (obesity, anorexia, alcohol consumption), aging or inflammatory diseases, can disrupt those variations, affecting the organism homeostasis.

### Selected publications

VIRTO, LEIRE, Simoes-Martins, David, Carmen Sanchez, Maria, Encinas, Ana, Sanz, Mariano, Herrera, David . Antimicrobial effects of a new brushing solution concept on a multispecies in vitro biofilm model growing on titanium surfaces. Clinical Oral Implants Research. 2022; 33 (2): 209-220. DOI: 10.1111/clr.13884. FI: 5,021. (Q1).





# Core facilities

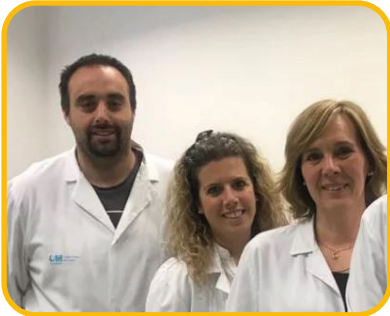


# UTS



# Flow Cytometry Unit

## UTS.1 UCIF



### Coordinator

Dulcenombre Gómez Garre

### Members

Adriana Ortega Hernández

Javier Modrego Martín (CIBER)

### Contact

mgomezgarre@salud.madrid.org /  
913303000 Ext. 482455

### Location

Hospital Clínico San Carlos,  
2ª planta, ala Norte

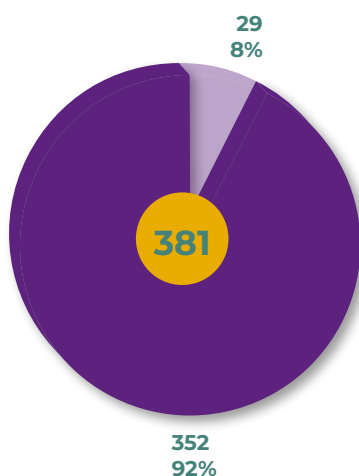


### Services offered

- ◆ Sample processing and acquisition for cytometer analysis.
- ◆ Cytometric data analysis.
- ◆ At the request of the investigators, technical assistance will be provided for the study and observation of samples under the best possible conditions, for the design of analytical protocols, the selection of antibodies and the processing and acquisition of data, as well as their analysis.
- ◆ Conducting training courses for users.

### Activity register

#### Sample acquisition (hours) (8 hospital service)



- Non-operator use
- Use with operator

#### Other activity

12



Presentations  
at congresses

9



Research project

4



Teaching  
activity

2



Teaching  
activity

2



Disdlosure

## Genomics Unit: Microbiota Laboratory

### UTS.2A LABMIC



#### Coordinator

Dulcenombre Gómez Garre

#### Members

Adriana Ortega Hernández

Javier Modrego Martín (CIBER)

Silvia Sánchez González

#### Contact

mgomezgarre@salud.madrid.org

913303000 Ext. 482455

#### Location

Hospital Clínico San Carlos,  
2ª planta, ala Norte



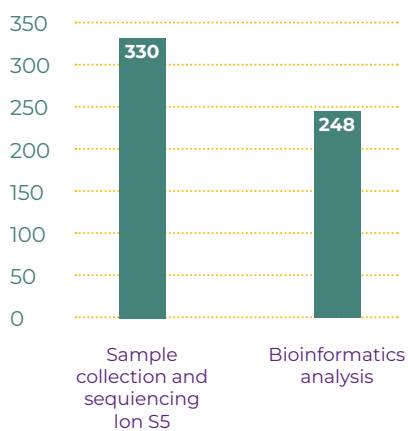
Nº Registro: 424

#### Services offered

- ◆ Bacterial DNA extraction.
- ◆ Sample preparation, library and sequencing generation of the 16S ribosomal gene through massive sequencing.
- ◆ S5 Ion Sequencing data.

### Activity register

#### Nº samples

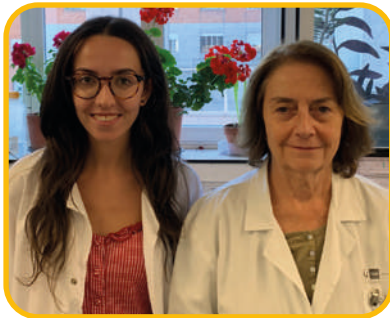


#### Other activity



# Genomics Unit: Genomics and Microarrays Laboratory

## UTS.2B LABGEN



### Coordinator

Beatriz Pérez-Villamil Salgado

### Member

Ana Conde Yáñez

### Contact

bperezvillamil.hcsc@salud.madrid.org  
913303000 Ext. 484823

### Location

Hospital Clínico San Carlos,  
planta baja, ala Sur



Nº Registro: **424**

### Services offered

- ◆ RNA quality analysis through Bioanalyzer.
- ◆ Transcriptomic analysis (mRNA). GE (Gene Expression) Microarrays.
- ◆ CNV analysis (Copy-Number-Variation) / Array-CGH microarrays (Comparative Genomic Hybridization) and SNP-CGH.
- ◆ MicroRNA expression analysis. miRNA microarrays.
- ◆ DNA methylation analysis. "CpG-island" and methylation microarrays.
- ◆ Chromatin immunoprecipitation analysis. ChIP-on-chip microarrays.
- ◆ "Custom Microarrays" through e-array.

### Activity register

Activity	Clients	Description
Análisis de resultados de transcriptómica (NGS y microarrays)	S. Oncología Médica	Uso de la plataforma GeneSpring y el paquete lima/Deseq2 (R-Bioconductor) para el estudio de expresión diferencial
Control de calidad de librerías para NGS y para otras metodologías mediante el Bioanalizador	S. Oncología Médica	Selección de muestras aptas para NGS y para otras metodologías
Diseño de un panel de genes para secuenciación masiva con el software SureDesign de Agilent	Merck y S. Oncología Médica	Panel customizado de 140 genes de la vía de TGF-β y otros genes relevantes en cáncer
Realización de librerías para NGS siguiendo el método de captura SureSelect de Agilent	Merck y S. Oncología Médica	Puesta a punto de la técnica y realización de librerías en 182 muestras con cáncer colorrectal estadio III
Secuenciación de las librerías NGS en un secuenciador MiSeq de Illumina	Merck y S. Oncología Médica	Secuenciación de las 182 muestras
Análisis de control de calidad de la secuenciación mediante el programa FastQC, establecimiento de criterios de filtrado	Merck y S. Oncología Médica	46623 mutaciones registradas de las que se seleccionan 21722 que pasan el filtro
Realización de Tissue Microarrays (TMAS)	Colaboración con Biobanco y con S. Anatomía Patológica	10 TMAS con 400 muestras de Cáncer Colorrectal estadio III

## Genomics Unit: Oncology Laboratory

### UTS.2C LABONC



#### Coordinator

Guillermo Velasco Díez

#### Members

Ada Esteban-Sánchez  
 Alicia Gómez Sanz  
 Ines Bartolomé Asensio  
 Inmaculada Bando Polaino  
 Julia Barrios Barriga  
 Lobna Ramadane  
 María Elena Gómez Del Pulgar  
 Gutierrez  
 Miguel De La Hoya Mantecón  
 Paula Diaque García  
 Pilar Garre Rubio  
 Vanesa García Barberán  
 Víctor Lorca Castellanos

#### Contact

gvd@bbm1.ucm.es  
 913303000 Ext. 484822

#### Location

Hospital Clínico San Carlos,  
 planta baja, ala Sur



Nº Registro: 424

#### Services offered

- ◆ Study of mutations and large genomic rearrangements in BRCA1, BRCA2, MLH1, MSH2 and MSH6.
- ◆ Study of mutations in P53, MYH, RAD51C, NUDT1, OGG1, XRCC1, Pi3K, KRAS and NRAS, BRAF.
- ◆ Studies of microsatellites, sequencing, HRM, fragments, etc.
- ◆ DNA, RNA, cDNA purification from blood, paraffin-embedded tissues and tumors, digital PCR, NGS.
- ◆ Circulating tumor cell detection.

#### Activity register

Activity	Clients	Description
Estudio de mutaciones germinales y grandes reordenamientos en genes de susceptibilidad al cáncer	Complejo Hospitalario Universitario Insular Materno-Infantil de Gran Canaria (N=423)	Cáncer Familiar
Estudio de mutaciones BRCA1 y BRCA2 (centro de referencia ID.BRCA)	ASTRA ZENECA (N=549)	NGS BRCA1/2 tejido parafinado (cáncer de ovario)
Estudio de mutaciones en KRAS, NRAS y BRAF (centro de referencia PrecisaRas)	MERCK KRAS (N=632) NRAS, BRAF (M=300)	Cáncer Colorrectal (CRC)
Estudio de mutaciones en KRAS (centro de referencia NK-RAS)	AMGEN KRAS (N=369) NRAS, BRAF (N=208)	Cáncer Colorrectal (CRC)
Estudio de mutaciones en KRAS, NRAS y BRAF en biopsia líquida (centro de referencia PrecisaRas)	MERCK KRAS (N=83) NRAS, BRAF (N=52)	Cáncer Colorrectal (CRC)
Estudio de mutaciones BRAF en tejido	NOVARTIS N=34	Melanoma, Tiroides, Endometrio, Metástasis Pulmonar
Estudio de mutaciones BRAF en biopsia líquida	HCSC N=10	Melanoma

# Genomics Unit: Immunogenetics and Sequencing Laboratory

## UTS.2D LABINMUNO

### Coordinator

Miguel Fernández Arquero

### Contact

mfarquero@salud.madrid.org  
 913303000 Ext, 484695/484699



### Services offered

- ◆ Genome Sequencing.
- ◆ Fragment analysis.
- ◆ Microsatellite genetic studies.
- ◆ Genetic marker studies through real-time PCR.
- ◆ Gene expression studies.
- ◆ Other genomic studies.

## Activity register

### Activity

Servicio tecnológico

Estudio genético de muestras ADN

Estudio genético de muestras Secuenciación

Investigadores del  
 Hospital Clínico  
 San Carlos

Técnicas de vanguardia  
 en los estudios genéticos

Estudio genético de muestras MLPA

Estudio genético de muestras Fragmentos

Estudio genético de muestras PCR Real time

### Other activity

#### Activity

#### Description

PNTs

Desarrollo de la calidad de los estudios Realizados

Acción formativa

Enfocado al personal de uso continuado del equipamiento

Congresos

Relacionados con las diferentes especialidades del uso de los equipos



## Experimental Surgery and Medicine Unit: (Animal facilities, Laboratories y Operating rooms)

### UTS.3 UMECE



#### Responsible

Pablo Antonio González López

#### Coordinator

María Cruz Rodríguez-Bobada González del Campo

#### Members

Patricia Quesada Manzano  
Paloma Peón Ruiz  
Israel García Uceda

#### Contact

pabloantonio.gonzalez@salud.madrid.org  
mrbobadagonzalezcampo@salud.madrid.org  
91 3303000 Ext. 484313

#### Location

Hospital Clínico San Carlos, sótano, ala Sur



#### Services offered

- ◆ Surgical facilities.
- ◆ Animal facilities.
- ◆ Comprehensive support.

### Activity register

#### Projects (nº)

2

Bienestar animal, cuidado, sexado y genotipado de animales modificados genéticamente

5

Anestesia, cirugías, analgesia y revisiones postquirúrgicas de los animales

13

Bienestar animal y cuidado de los animales

#### Other activity

- ◆ Esterilización del material y vestimenta usados en SALA BLANCA.
- ◆ Material de laboratorios de la UNIDAD y otras UTS.
- ◆ Control de las temperaturas de las salas situadas en el sótano SUR mediante el programa SIRIUS. Control de alarmas de congeladores.
- ◆ Prácticas de manejo y realización de procedimientos para manipular animales con fines científicos y obtención de capacitación en las funciones a,b,c para el diseño de proyectos y procedimientos con animales de experimentación.
- ◆ Evaluación de proyectos y procedimientos en los que son utilizados animales utilizados con fines científicos o de experimentación.
- ◆ Actualización de las normas para la utilización de los laboratorios, animalario y quirófanos y diseño de protocolos.
- ◆ Control sanitario de todos los animales del animalario de la UMECE dos veces al año.
- ◆ Divulgación científica a través de talleres en los laboratorios de neurociencias y neonatología. Taller de laparoscopia y visita al animalario. Visita a centros docentes. Jornadas de formación para personal veterinario y personal técnico del animalario.
- ◆ Cabinas de flujo laminar adquiridas para realizar los cambios de lecho de los roedores en el animalario de la UMECE.

# Methodological Support Unit

## UTS.4 UAMI



### Coordinators

Manuel Enrique Fuentes Ferrer  
(until dic-22)

Carmen de Burgos Lunar  
(from dic-22)

### Members

Irene Serrano García

Rafael Sánchez del Hoyo

Mateo Paz Cabezas

Karina Davila Merizalbe

### Contact

uami@idissc.org  
913303000 Ext. 484296-484297

### Location

Hospital Clínico San Carlos,  
3ª planta, ala Norte-Sur



### Services offered

#### ◆ Methodological advice:

- Advice on the design and methodological aspects of research protocols
- Advice in the elaboration of scientific communications
- Advice in the critical reading of scientific articles
- Advice in the design, creation and management of databases.

#### ◆ Statistical consultancy:

- Statistical exploitation of epidemiological studies databases.

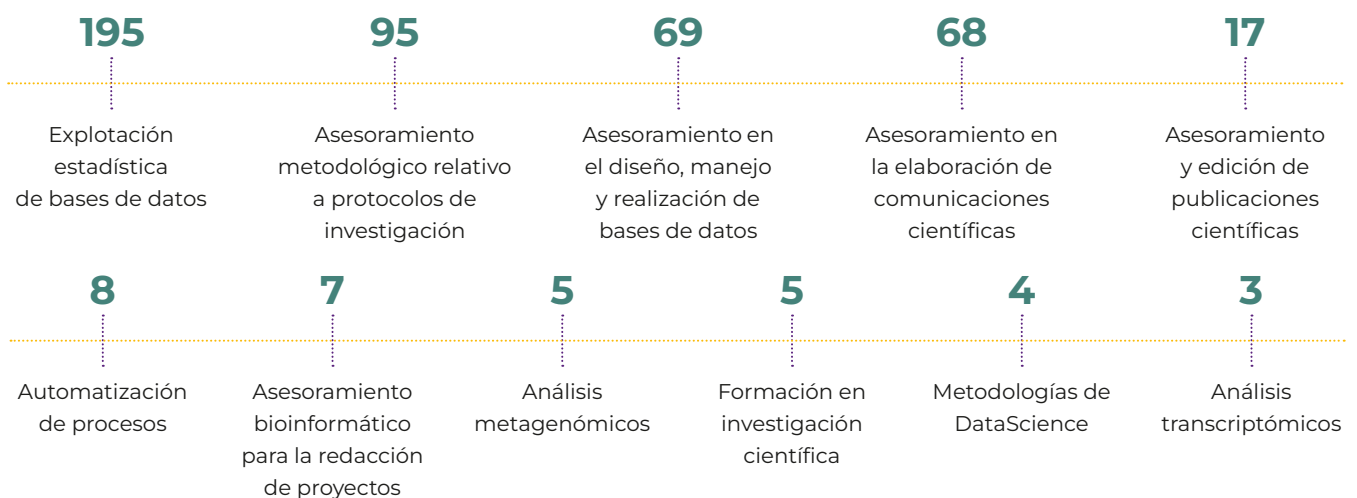
#### ◆ Training:

- Activities in research methodology and statistical analysis:

#### ◆ Bioinformatics:

- Transcriptomic analysis: Microarrays, RNAseq, scRNAseq
- Alignment and Valiant Calling in DNaseq
- Functional analysis of genomic data: GSEA
- Obtaining data from genomic repositories
- Mutation filtering and visualization (SNP)

## Activity register



### Other activity

- ◆ Courses Given: 45,5 hours
- ◆ Publications: 16
- ◆ Projects: 5

- ◆ New project inquiries: 381

- ◆ Subsequent consultations: 520

- ◆ Support Unit for Research Ethics Committees and Coordination of Clinical Trials: 416 evaluated projects

## Biobank

### UTS.5 BIOBANCO



#### Coordinator

Luis Ortega Medina

#### Members

Elena Molina Roldán  
Alberto Arias Vázquez  
Sara Centeno Alonso  
Luis González Valle  
Marina García Toribio  
Carmen Ramos Sánchez

#### Contact

biobanco@idissc.org  
913303000  
Ext. 484054; 484055; 484058

#### Location

Hospital Clínico San Carlos,  
Sótano, ala Norte



#### Services offered

- ◆ Recruitment of donors and samples and data associated to samples. Sample processing and sample storage. Two types of activities would be developed:
  - Targeted to a prospective project.
  - Biobank basic collection.
- ◆ Transfer of samples with research purposes.
- ◆ Security, Certification process quality for ISO 9001:2015.

#### Activity register

- ◆ 11 alícuotas de DNA donantes diagnosticados de cáncer familiar
- ◆ 1.468 sueros EDTA, 34 bloques congelados y 570 cortes en congelación de donantes diagnosticados de cáncer de colon.
- ◆ 11.560 cortes en congelación de donantes de enfermedad pulmonar intersticial difusa.
- ◆ 1.180 cortes parafinados de donantes diagnosticados de cáncer de pulmón que recibieron tratamiento con inmunoterapia.
- ◆ 147 muestras de donantes diagnosticados de cáncer ginecológico (Tejido en fresco, Sangre EDTA, líquido ascítico).
- ◆ 172 cortes de parafina de donantes diagnosticados de cáncer de ovario.
- ◆ 11.920 cortes en congelación de donantes de cáncer de colon y pulmón.
- ◆ 148 cortes de tejido parafinado de donantes diagnosticados de Cáncer de próstata.
- ◆ 144 alícuotas de sangre EDTA de pacientes diagnosticados de COVID-19 re infectados.
- ◆ 117 alícuotas e humor acuoso de donantes de glaucoma.
- ◆ 11.100 cortes de parafina de cerebro control.
- ◆ 16 muestras en fresco de donantes diagnosticados de Cáncer de colon y gástrico.
- ◆ 13 alícuotas de plasma EDTA y de sangre EDTA de donantes de Enfermedad de Alzheimer.
- ◆ 1.227 sueros EDTA y sangre EDTA de donantes de COVID-19.
- ◆ 127.800 cortes en congelación de donantes con oncopatología de pulmón y de colon.
- ◆ 1.478 alícuotas de suero de donante con COVID-19.
- ◆ Inclusión de tejido en parafina (99 bloques de parafina) Cortes histológicos de parafina en porta (138 cortes).

# Innovation Support Unit

## UTS.6 UI



### Coordinators

Julio Ángel Mayol Martínez

### Members

Elena Arredondo Lillo (until nov/22)  
Ignacio Martínez Capella (until apr/23)  
Joan Chafer Vilaplana  
Laura Llorente Sanz  
Macarena Torrego Ellacuria  
Milagros Merino Fernández  
Jorge Nieto  
María Luaces Méndez (from 2023)

### Contact

innova.clinico@gmail.com  
913303000 Ext. 482474

### Location

Hospital Clínico San Carlos,  
4ª planta, ala Sur



### Services offered

- ◆ Smart Health Data (Advanced Data Analysis, BIG Data, AI and model development for decision-making support CDSS).
- ◆ New organizational models.
- ◆ Technological innovation (Technological model application and usability: Augmented, virtual reality, 3D printing, app, and application and usability of integrated telemedicine).
- ◆ Innovation HUB (including dissemination and training).
- ◆ Innovation consultancy (support, consulting, assistance and/or health innovation guidance).

### Activity register



### Other activity



### Social media maintenance



Website:

11.397 from more than  
40 countries.  
34 entries published



Twitter:

8.197 followers



Youtube channel:

359 subscribers

## Support Unit for Research Ethics Committees and Clinical Trial Coordination

### UTS.7 UCCEI



#### Coordinator

M<sup>a</sup> Mar García Arenillas

#### Members

Elena Sánchez García

Berta Orellana Suárez

Lourdes Cabrera García

M<sup>a</sup> Ángeles Torres Mora

#### Contact

ceic.hcsc@salud.madrid.org  
913303000 Ext. 484159-484160

#### Location

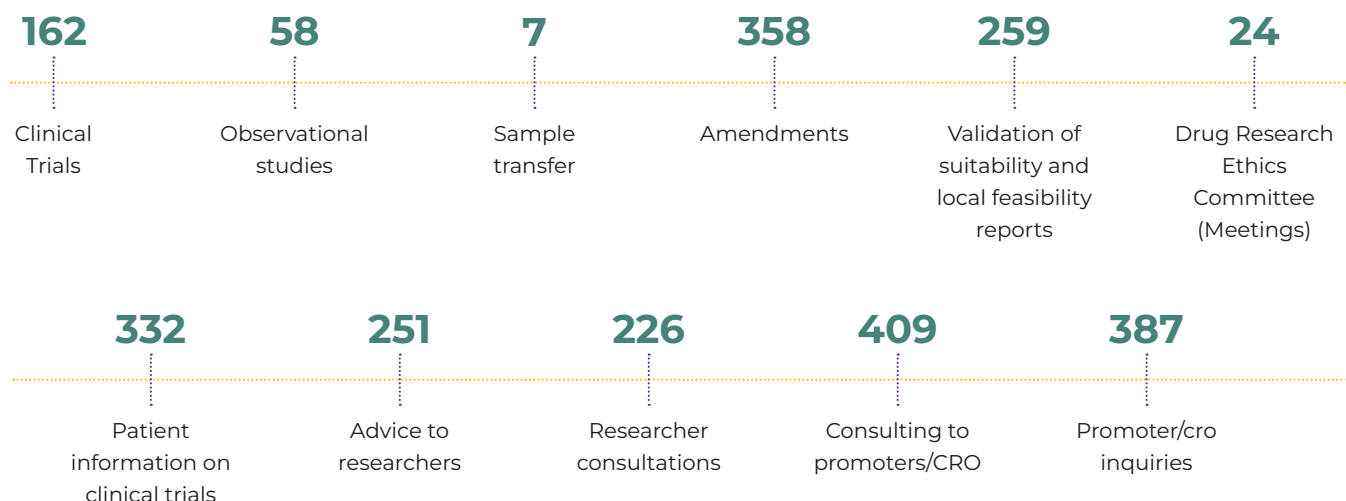
Hospital Clínico San Carlos,  
4<sup>a</sup> planta, ala Norte



### Services offered

- ◆ Information to patients about their participation in clinical trials
- ◆ Advice to researchers on consultations and for the drafting, execution and implementation of research protocols.
- ◆ Advice and consultancy for promoters and start-up units external to IdISSC on consultations carried out and for the drafting, execution and implementation of research protocols.
- ◆ Processing of entry, validation and administrative management of research projects carried out at the HOSPITAL CLÍNICO SAN CARLOS and outside the HOSPITAL CLÍNICO SAN CARLOS that are submitted for evaluation by the Ethics Committee for Research involving Medicinal Products.
- ◆ Processing of modifications to previously authorized research projects.
- ◆ Follow-up of research projects.
- ◆ Processing of entry, validation and administrative management of research projects carried out at the HOSPITAL CLÍNICO SAN CARLOS that are submitted for evaluation by the ANIMAL EXPERIMENTATION ETHICS COMMITTEE.
- ◆ Administrative support to the Organ of the Ethics Committee of Animal Experimentation.

### Activity register





# Clinical Research and Clinical Trail Unit

## UTS.8 UICEC



### Coordinator

Antonio Portolés Pérez

### Members

Ana Belén Rivas Paterna  
Natalia Pérez Macías  
Jorge Mario Quiñonez Silvero  
Alexandra Domingo Fernández  
Cristina Cuesta Mínguez  
Leticia Cebrián Reviejo  
Sonia García Gómez  
Ana Esteban Garcimartín  
Arancha Rodríguez Sanz  
Carmen Sanz Nieto  
Arancha Urrutia de la Plaza  
José M<sup>a</sup> Torvisco Najarro (until sep/22)  
Luis Tebar Palmero

### Members

Javier Alex Muñoz  
Ana Ascaso del Rio  
Emilio Vargas Castrillón  
Carla Pérez Ingidúa  
Leonor Laredo Velasco  
Lourdes Cabrera García  
Rosario Salas Butrón

### Contact

fibucicec.hcsc@salud.madrid.org  
913303000 Ext. 482459-482462

### Location

Hospital Clínico San Carlos,  
4<sup>a</sup> planta, ala Norte



### Services offered

- ◆ Regulatory.
- ◆ Design.
- ◆ Monitoring.
- ◆ Project management.
- ◆ Pharmacovigilance services.

### Other activity

99 solicitudes

Apoyo a la solicitud  
de financiación  
competitiva

8 horas  
49 asistentes

Formación  
Curso BPCs

9

Publicaciones

## Pharmacy Support Unit: Research Drug Management

### UTS.9 UFAR



#### Coordinator

José Manuel Martínez Sesmero

#### Members

Adoración de la Santísima  
Trinidad Maqueda

Cristián Gabriel Luengo Molero

Cristina González Pérez

Gonzalo Hernando Llorente

José Julio Gómez Castillo

Marta Sáenz de Tejada López

#### Contact

ensayosclnicosf.hcsc@salud.madrid.org  
91 330 32 98

#### Location

Hospital Clínico San Carlos,  
planta baja, ala Norte



SGS Certification (Certificate E515/17446) as part of the management system of the Hospital Clínico San Carlos, an organisation certified as complying with the requirements of ISO 9001:2008

Ad Qualitatem Foundation Certification (Certificate No.: 20151100); "Hospital Pharmacy Quality Standard".

#### Services offered

- ◆ Medication reception in research.
- ◆ Custody and proper storage of drugs.
- ◆ Medication preparation.
- ◆ Medication dispense.

#### Activity register



# Cell therapy Unit. Clean room

## UTS.10 CLEAN ROOM



### Coordinator

Pilar Tornero Esteban

### Member

Raúl Campos Fernández

### Contact

ptornero@salud.madrid.org

913303000 Ext. 482466

### Location

Hospital Clínico San Carlos,  
6ª planta, ala Norte



### Services offered

- ◆ Mesenchymal stem cell production of GMP quality.
- ◆ Allogeneic biobank of mesenchymal stem cells for disease potential use.
- ◆ Research on mesenchymal stem cell vehicles and carriers in tissues.

### Activity register

Activity	Description
Proporcionar células madre mesenquimales para su uso en distintas enfermedades	Fabricación de un producto de terapia celular basado en células madre aisladas de tejido adiposo en distintos excipientes como parte de la colaboración en un estudio que versa sobre el <b>Uso Terapéutico de un medicamento basado en ASCs para el tratamiento de la alopecia androgenética</b>
Proporcionar células madre mesenquimales para su uso en distintas enfermedades	Colaboración con el Dpto. UCG-Reumatología para la participación en un estudio que versa sobre el <b>Evaluación de distintas aproximaciones terapéuticas para artrosis de rodilla mediante modelos in vitro 'tissue in a chip' e in vivo</b>
Introducción de nuevos productos celulares en desarrollo	Apoyo en cuanto al diseño de la Fabricación de linfocitos autólogos infiltrantes de tumores (TILs) en tumores sólidos avanzados para el estudio de la viabilidad, seguridad y eficacia preliminar de la infusión de TILs en colaboración con el grupo de Oncología, así como de la identificación de marcadores para selección de los TILs

## Phase I and Clinical Pharmacology Studies Unit

### UTS.12 UFARCLI



#### Coordinator

Antonio Portolés Pérez

#### Members

Emilio Vargas Castrillón  
Ana Ascaso del Río  
Carla Pérez Ingidua  
Daniel Lozano Martín (until dic/23)  
Esperanza González Rojano  
Leonor Laredo Velasco  
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913303000 Ext. 484145/484146

#### Location

Hospital Clínico San Carlos,  
1ª planta, ala Norte



Quality Certification ISO 9001:2015  
(February 2018)

#### Services offered

- ◆ Phase I clinical trial design and implementation and clinical pharmacology studies.
- ◆ Pharmacokinetic analysis.
- ◆ Healthy volunteer screening.
- ◆ Biological sample management.
- ◆ Pharmacoeconomic analysis.
- ◆ Preparation of protocols and final reports.

#### Activity register

2

Desarrollo e informe  
de ensayo clínico Fase I  
(86 voluntarios sanos)

4

Ejecución.  
Ensayo clínico, Fase IIb/III  
(895 voluntarios sanos)

2

Ejecución.  
Ensayo clínico, Fase III  
(80 Voluntarios sanos)

#### Other activity

- ◆ Evaluación de costes suplementarios de estudios clínicos.
- ◆ Asesoramiento en investigación clínica.
- ◆ Acreditación BPC a la unidad de Fase I por la CAM.
- ◆ Mantenimiento de la Certificación ISO 9001:2015.
- ◆ Comunicación científica.
- ◆ Apoyo en la realización de ensayos COVID.
- ◆ Generación de conocimiento.
- ◆ Actividad de divulgación "Introducción a los Ensayos Clínicos y a los estudios de Bioequivalencia de Fase I" en la Semana de la ciencia, Noche de los investigadores.

# Cellular Response and Function Unit

## UTS.13 URECEL



### Coordinators

Elena Urcelay García  
Eduardo Anguita Mandly

### Members

Adela González  
Laura Espino Paisán  
Concepción Núñez  
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### Contact

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913303000 Ext. 482452/482453

### Location

Hospital Clínico San Carlos,  
planta baja, ala Sur



### Services offered

- ◆ Biological sample Preparation (serum extraction de suero, isolation PBMCs and DNA, platelet-rich plasma- PRPs...).
- ◆ Pharmacogenetic studies.
- ◆ ApoE genetic risk assessment.
- ◆ Quantification through Luminex technology of citokines from different sources: serum, urine, teardrop, LCR, etc.
- ◆ mRNA expression levels by using real-time quantitative PCR.
- ◆ Protein expression levels by using Western blot.
- ◆ B cell immortalization from blood samples.
- ◆ Mitochondrial activity studies (Agilent Seahorse XF Technology).
- ◆ ELISA.

### Activity register



### Other activity





## Cancer and Immune-Mediated Pathologies Immunomonitoring Unit

### UTS.15 UICPI

#### Coordinator

Kissy Guevara-Hoyer

#### Members

Alberto Ocaña  
Eduardo de la Fuente  
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Laura Rives

#### Contact

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Tel. 913303000 Ext. 484692

#### Location

Hospital Clínico San Carlos,  
1ª planta, ala Sur

#### Services offered

- ◆ Immunophenotyping and functional study of antigen-specific subpopulations: activation, proliferation, production of cytokines, Th1/Th2/Th17, among others.
- ◆ Phenotypic and phosphoflow analysis (flow cytometry).
- ◆ Study of TRECs in screening for secondary immunodeficiencies.
- ◆ Cytokine and chemokine profile studies after antigen-specific stimulation.
- ◆ Inflammation vs immunoregulation (Luminex).
- ◆ Studies of secondary and primary immunodeficiencies associated with malignancy:
- ◆ Typing of the pathological immunophenotype and prediction of risk associated with immunodeficiency and monitoring of response to treatment.
- ◆ Specific immunological response against target antigens.
- ◆ Lymphoproliferative and antigen-specific cellular stimulation studies.
- ◆ Antigen-specific cytotoxicity studies.
- ◆ Tetramer or pentamer assays for specific response with HLA restriction.
- ◆ Study of specific cell populations for the development of vaccines or tolerogenic treatments.
- ◆ Humoral response to drugs: Determination of specific anti-drug antibodies by ELISA or immunoluminescence (in real time).
- ◆ Centralisation of results and support in data analysis: multidimensional analysis, phenograms, meta-clustering of lymphocyte subpopulations.

#### Activity register



# Experimental Therapies Unit

**NEW  
GROUP**

## UTS.16 UTEC

### Coordinator

Alberto Ocaña Fernández

### Members

Pedro Pérez Segura

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Jorge Bartolomé Arcilla

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### Contact

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Tel. 913303000 Ext. 484808

### Location

Hospital Clínico San Carlos,  
1ª planta, ala Sur

### Services offered

- ◆ Extraction, isolation and expansion of tumor infiltrating lymphocytes TILs.
- ◆ Identification of therapeutic targets by “in silico” genomic analysis in specific pathological conditions.
- ◆ Identification of biomarkers of activity or response.
- ◆ Antigen design and antibody development (outsourced service).
- ◆ Preclinical evaluation of non-clinical pharmacology compounds (TILs).
- ◆ Cell culture techniques with cell lines and primary tissue.
- ◆ Genomic studies: DNA and RNA extraction from cell lines, siRNA silencing, quantitative PCR quantification.
- ◆ Proteomic studies: Protein extraction from cell lines basally and after treatments with different compounds. Protein quantification using BCA, and subsequent absorbance reading in spectrophotometer. Evaluation by Western Blot.

### Activity register

16

Publicaciones

2

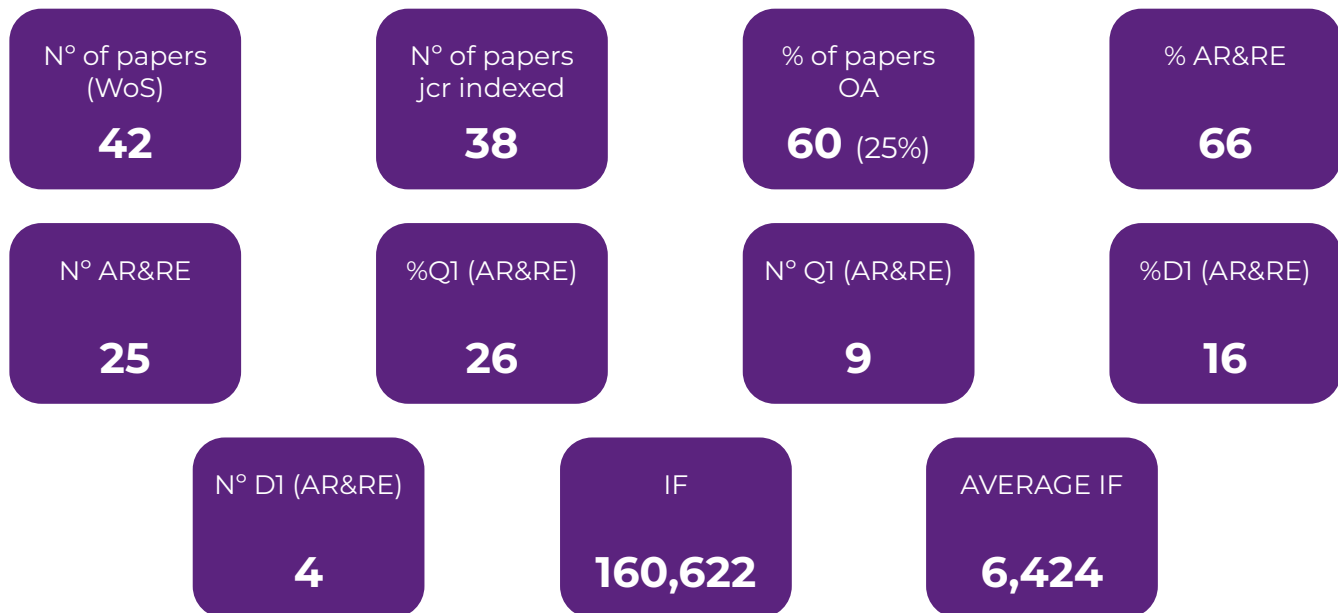
Conferencias

3

Ensayos clínicos

## OGS.28

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## Cardiovascular

### CV.1

#### Article

Spione, Francesco, Arealos, Victor, Gabani, Rami, Ortega-Paz, Luis, Gomez-Lara, Josep, Jimenez-Diaz, Victor, Jimenez, Marcelo, JIMÉNEZ QUEVEDO, PILAR, Diletti, Roberto, Pineda, Javier, Campo, Gianluca, Silvestro, Antonio, Maristany, Jaume, Flores, Xacobe, Oyarzabal, Loreto, Bastos-Fernandez, Guillermo, Iniguez, Andres, Serra, Antonio, ESCANED BARBOSA, JAVIER, Ielasi, Alfonso, Tespili, Maurizio, Lenzen, Mattie, GONZALO LÓPEZ, MARÍA NIEVES, Bordes, Pascual, Tebaldi, Matteo, Biscaglia, Simone, Al-Shaibani, Soheil, Romaguera, Rafael, Gomez-Hospital, Joan Antoni, Rodes-Cabau, Josep, Serruys, Patrick W., SABATE TENAS, MANEL, Brugaletta, Salvatore. Impact of Diabetes on 10-Year Outcomes Following ST-Segment-Elevation Myocardial Infarction: Insights From the EXAMINATION-EXTEND Trial. *JOURNAL OF THE AMERICAN HEART ASSOCIATION*. 2022; 11 (23). DOI: 10.1161/JAHA.122.025885. FI: 6.106. (Q2).

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## Correction

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## Editorial Material

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## Meeting Abstract

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## CV.2

### Article

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### Editorial Material

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### Letter

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### Meeting Abstract

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## CV.4

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## CV.6

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## Correction

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## Editorial Material

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## Letter

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## Meeting Abstract

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## CV.10

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## CV.11

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## Editorial Material

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## Letter

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## Meeting Abstract

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## Review

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# Inflammation, infection, immunity and allergy

## IIA.1

### Article

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## IIA.3

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## Editorial Material

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## Meeting Abstract

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## Editorial Material

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## IIA.10

### Article

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## IIA.12

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# Neuroscience

## NEC.1

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## Editorial Material

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## Letter

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## NEC.18

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## Editorial Material

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## Letter

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## NEC.22

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# Oncology

## ONC.1

### Article

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## Letter

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## ONC.3

### Article

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## Advanced Technologies and Model Translation

### TEC.2

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##### Correction

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## OGS.12

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## OGS.22

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## OGS.23

### Article

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## Editorial Material

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## Letter

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## Meeting Abstract

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## OGS.24

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## OGS.25

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## Editorial Material

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## Meeting Abstract

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## OGS.27

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## OGS.28

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## Correction

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## Letter

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## Meeting Abstract

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## Review

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## OGS.29

### Article

Jeazul Ponce-Hernandez, Delta, Sordo, Luis, Myriam Reynales-Shigematsu, Luz, REGIDOR POYATOS, ENRIQUE, Henares-Montiel, Jesus, Calderon-Villarreal, Alheli. Progress and challenges in tobacco control policies in Mexico, 2003-2017: an approach using the Tobacco Control Scale. *JOURNAL OF PUBLIC HEALTH POLICY*. 2022; 43 (3): 431-444. DOI: 10.1057/s41271-022-00359-5. FI: 3,526. (Q2).

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## OGS.32

### Books / Chapters

Cláudia Gomes; Sara Palomo Díez; Ana María López Parra; Ana Patricia Moya Rueda. Forensic genetics in the teaching field of the legal sciences - importance and limitations. Book: *La formación en derecho basada en competencias: especial referencia al método de casos*. Dykinson. ISBN/ISSN: 978-84-1122-455-0. 2022.

Arroyo-Pardo E., Gomes C., Palomo-Díez S., Baeza C., Cusco I., Raffone C., García-Arumí E., Vinuesa D., Santos C., Montes N., Rasal R., Escala O., Cuellar J., Subirá E. M., Casals F., Malgosa A., Tizzano E., Moya A., Domenech G., López- Parra A.M. Identificación genética de víctimas de la guerra civil española en Cataluña. Book: *Miradas actuales de antropología*. ISBN/ISSN: 978-84-09-38974-2. 2022.

Sara Palomo-Díez, Cláudia Gomes, Ana Patricia Moya Rueda, César López-Matayoshi. La Genética como herramienta de identidad e inclusión. Una propuesta de divulgación. Book: *Etnicidad, Identidad y ciudadanía. Las sociedades de ayer y hoy*. Dykinson. ISBN/ISSN: 978-84-1122-371-3. 2022.

Ana Patricia Moya Rueda, Sara Palomo Díez, Cláudia Lopes Gomes, César López-Matayoshi. Accesibilidad al documento de consentimiento informado para participar en estudios de investigación. Book: *El camino hacia las sociedades inclusivas*. Dykinson. ISBN/ISSN: 978-84-1122-373-7. 2022.

César López-Matayoshi, Sara Palomo-Díez, Cláudia Gomes y Ana María López-Parra. Innovación docente en ciencias forenses: La divulgación científica como motivación para el aprendizaje de los estudiantes. Book: *Formación del profesorado y metodologías activas en la educación del siglo XXI*. Dykinson. ISBN/ISSN: 978-84-1122-460-4. 2022.

Sara Palomo-Díez, César López-Matayoshi y Cláudia Gomes. Sexo, género y genética. Propuesta de enfoque multidisciplinar. Book: *ODS y educación inclusiva en la educación superior. Experiencias y propuestas transdisciplinares de innovación docente*. Dykinson. ISBN/ISSN: 978-84-1122-463-5. 2022.

Sara Palomo-Díez and Ana María López-Parra. Utility and Applications of Lineage Markers: Mitochondrial DNA and Y Chromosome. Book: *Handbook of DNA profiling*. Springer. ISBN/ISSN: 978-981-16-4317-0. 2022.

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# Cardiovascular

## CV.1 Technology Assessment and Therapeutic Strategies in Coronary Arteriosclerosis

### Competitive funding

DISCO. Registro de DISección COronaria espontánea (DISCO). PI: ESCANED BARBOSA, JAVIER.

CM20/00013. RRHH RIO HORTEGA: Angela Carolina Espejo Paeres. PI: ESCANED BARBOSA, JAVIER. Funding organisation: INSTITUTO DE SALUD CARLOS III.

BIOMAG. BIOTRONIK – Seguridad y rendimiento clínico del sistema de scaffold coronario de magnesio liberador de sirolimus reabsorbible (DREAMS 3G) para el tratamiento de pacientes con lesiones de novo en arterias coronarias nativas: BIOMAG-I. PI: ESCANED BARBOSA JAVIER.

LUDICO. Estudio LUDICO “Eficacia y seguridad del uso de laser coronario en lesiones “incruzables” o “indilatables”. PI: ESCANED BARBOSA, JAVIER.

BIOFREEDOM. Evaluación de la eficacia (ACC) y la seguridad de la endoprotesis recubierta con BIOLIMUS A9 Biofreedom de COCR en un ensayo aleatorizado en pacientes con coronariopatía. PI: MACAYA TEN, FERNANDO.

I MODERN. Instantaneous wave free ratio guide Multi-vessel revascularization during percutaneous coronary intervention for acute myocardial infarction. PI: ESCANED BARBOSA, JAVIER.

REPLICA. Registro prospectivo, de brazo único. Multicéntrico, observacional de litotricia coronaria para el tratamiento de lesiones calcificadas en España. PI: GONZALO LOPEZ, MARIA NIEVES.

### Non competitive funding

ECL.13/308. SEGURIDAD Y DESEMPEÑO CLÍNICO DEL ANDAMIO METÁLICO ABSORBIBLE LIBERADOR DE DROGA (DREAMS) EN EL TRATAMIENTO DE PACIENTES CON LESIONES DE NOVO EN ARTERIAS CORONARIAS NATIVAS. PI: ESCANED BARBOSA, JAVIER.

ECL.13/349. ENSAYO CLÍNICO DE UN BRAZO PARA EVALUAR LA EFICACIA DE LAS INTERVENCIONES CORONARIAS PERCUTÁNEAS (ICP) EN LA ENFERMEDAD CORONARIA DE 3 VASOS (E3V) DE NUEVA APARICIÓN MEDIANTE LA APLICACIÓN DEL SCORE SYNTAX II, EL USO DE GUÍA DE PRESIÓN PARA LA EVALUACIÓN. PI: ESCANED BARBOSA, JAVIER.

ECL.14/221. ESTUDIO FUNCIONAL DE LOS ESTENOSIS INTERMEDIAS COMO METODO DE DECISIÓN PARA LA INDICACIÓN DE REVASCULARIZACIÓN. ESTUDIO PROSPECTIVO, MULTICENTRICO, DOBLE CIEGO Y DISTRIBUCIÓN ALEATORIA PARA PROBAR LA SEGURIDAD DEL APLAZAMIENTO DE LA IMPLANTACIÓN DE STENTS. PI: ESCANED BARBOSA, JAVIER.

ECL.14/360. EVALUACIÓN DEL ESTRÉS DE CIZALLAMIENTO PARIETAL Y DE LA REPARACIÓN NEOINTIMAL TRAS LA INTERVENCIÓN CORONARIA PERCUTÁNEA DE VASOS ANGULOSOS MEDIANTE EL USO DEL STENT RESOLUTE (STENT CORONARIO INTEGRAL LIBERADOR DE ZOTAROLIMUS) COMPARADO CON EL STENT XIENCE. PI: ESCANED BARBOSA, JAVIER.

ECL.15/481. Comparación entre el armazón biorreabsorbible ABSORB y el stent metálico XIENCE en la prevención de la reestenosis tras la intervención coronaria percutánea en pacientes con alto riesgo de reestenosis. PI: ESCANED BARBOSA, JAVIER.

ECL.17/189. Registro multicéntrico de REVAscularización SECundaria. REGISTRO REVASEC. PI: SALINAS SANGUINO, PABLO.

ECL.19/105. Estudio aleatorizado comparativo, en pacientes ancianos (...75 años) con infarto agudo de miocardio, con o sin elevación del segmento ST (IAMEST y IAMSEST), con enfermedad coronaria multivaso, sobre la eficacia de una estrategia de revascularización compl. PI: ESCANED BARBOSA, JAVIER.

ECL.19/275. REDUCER-I: An Observational Study of the Neovasc Reducer™ System. REDUCER-I: estudio observacional del sistema Reducer™ de Neovasc. PI: ESCANED BARBOSA, JAVIER.

ECL.19/277. Validación y evaluación de las imágenes radiográficas para Angio iFR (Radiographic imaging Validation and EvALuation for Angio iFR [ReVEAL iFR]). PI: ESCANED BARBOSA, JAVIER.

ECL.19/316. FAVOR III (Functional Assessment by Virtual Online Reconstruction). Comparison of quantitative flow ratio (QFR) and conventional pressure-wire based functional evaluation for guiding coronary intervention. A randomized clinical non-inferiority trial. PI: MEJÍA RENTERÍA, HERNÁN DAVID.

ECL.20/119. Study title: OPTimizaTion of Left MAin PCI with IntravascuLar Ultrasound. The OPTIMAL Randomized Controlled Trial. Estudio de investigación clínica, controlado y aleatorizado OPTIMAL: optimización de la ICP en la arteria coronaria principal izquierda con. PI: ESCANED BARBOSA, JAVIER.

ECL.20/517. REGISTRO PROSPECTIVO, DE BRAZO UNICO, MULTICENTRICO, OBSERVACIONAL DE LITOTRIZIA CORONARIA PARA EL TRATAMIENTO DE LESIONES CALCIFICADAS EN ESPAÑA. PI: GONZALO LÓPEZ, MARÍA NIEVES.

ECL.20/631. Estudio MARVEL PILOT. Status de la microcirculación coronaria después de litotripsia intravascular. PI: ESCANED BARBOSA, JAVIER.

ECL.2017/097. Second-generation drUg-elutinG stents in diAbetes: a Randomized trial (the SUGAR trial). PI: SALINAS SANGUINO, PABLO.

ECL.2018/010. Gestión de pacientes con alto riesgo de hemorragia tras implantación de stent de polímero biodegradable con TAPD reducida frente a TADP prolongada (del inglés, MAnagement of high bleeding risk patients post bioresorbable polymer STEnt implantation with an. PI: ESCANED BARBOSA, JAVIER.

ECL.2018/058. ILUMIEN IV: ICP OPTIMA. comparación entre la tomografía de coherencia óptica (TCO) y la angiografía como métodos de implante de un stent coronario: investigación clínica multicéntrica aleatorizada en una ICP. PI: GONZALO LÓPEZ, MARÍA NIEVES.

ECL.21/158. Pullback Pressure Gradient (PPG) Global Registry. PI: ESCANED BARBOSA, JAVIER.

DCR4. Dynamic Coronary Roadmap for Contrast Reduction (DCR4 Contrast). PI: ESCANED BARBOSA, JAVIER.

ECL.15/373. TlcaGrEloR and ABSORB Bioresorbable Vascular Scaffold implantation for recovery of vascular function after successful Chronic Total Occlusion recanalization. PI: ESCANED BARBOSA, JAVIER.

FIRE. Functional versus Culprit-only Revascularization in Elderly Patients with Myocardial Infarction and Multivessel Disease. PI: ESCANED BARBOSA, JAVIER.

PEBSI II. Balón liberador de Paclitaxel tras stent convencional vs stent liberador de fármaco en el infarto agudo con elevación de st.. PI: GONZALO LOPEZ, MARIA NIEVES.

PIE. Disfunción microcirculatoria coronaria en el paciente con cardiopatía isquémica estable: impacto clínico a largo plazo y relación con la enfermedad cerebral de pequeño vaso y la depresión. PI: ESCANED BARBOSA, JAVIER.

MAGSTEMI. Magnesium-based bioresorbable scaffold and vasomotor function in patients with acute ST segment Elevation Myocardial Infarction: MAGSTEMI Trial. PI: SALINAS SANGUINO, PABLO.



## CV.2 Cardiovascular Imaging

### Non competitive funding

ECL.20/519(A). Tratamiento de pacientes dislipémicos con alto riesgo y muy alto riesgo para la prevención de eventos cardiovasculares en Europa - Estudio Multinacional Observacional (SANTORINI). PI: PÉREZ DE ISLA, LEOPOLDO.

ECL.20/544. IMPACTO CLÍNICO Y ECONÓMICO DE LA PANDEMIA COVID-19 EN PERSONAS CON OBESIDAD EN ESPAÑA. PI: LUACES MÉNDEZ, MARÍA.

ECL.21/340. LEVERAGING AI BASED TECHNOLOGY TO TRANSFORM THE FUTURE OF HEALTH CARE DELIVERY IN LEADING HOSPITALS IN EUROPE. PI: LUACES MÉNDEZ, MARÍA.

ECL.21/351. EMPOWERING AND EQUIPPING EUROPEANS WITH HEALTH INFORMATION FOR ACTIVE PERSONAL HEALTH MANAGEMENT AND ADHERENCE TO TREATMENT. PI: LUACES MÉNDEZ, MARÍA.

ECL.21/456. IMPACTO DEL CONSENSO ESPAÑOL PARA LA MEJORA DE LOS OBJETIVOS LDL COLESTEROL DESPUÉS DE UN SÍNDROME CORONARIO AGUDO. PI: PÉREZ DE ISLA, LEOPOLDO.

## CV.4 Arrhythmia

### Competitive funding

14/273-ERANET. Caracterización Ecocardiográfica de la Actividad Auricular Eléctrica y Mecánica de Pacientes con Fibrilación Auricular Paroxística y Persistente, así como su Valor Predictivo en la Cardioversión Farmacológica. (DTI-AF-Predict). PI: FILGUEIRAS RAMA, DAVID. Funding organisation: ISCIII.

### NON COMPETITIVE FUNDING

ECL.21/241. ESTUDIO MULTICÉNTRICO ESPAÑOL SOBRE LA PREVALENCIA, INCIDENCIA Y PRONÓSTICO DE HIPERPOTASEMIA EN PACIENTES CON INSUFICIENCIA CARDIACA Y FRACCIÓN DE EYECCIÓN REDUCIDA. HIPERK-IC STUDY: SPANISH MULTICENTRIC STUDY OF HYPERKALAEMIA PREVALENCE, INCIDENCE AN. PI: GOIRIGOLZARRI ARTAZA, JOSEBE.

ECL.15/398. APIXABÁN PARA LA REDUCCIÓN DE TROMBOEMBOLISMO EN PACIENTES CON FIBRILACIÓN AURICULAR SUBCLÍNICA DETECTADA POR UN DISPOSITIVO. PI: PÉREZ CASTELLANO, NICASIO.

ECL.17/507. Crioablación de venas pulmonares vs fármacos antiarrítmicos vs fibrilación auricular persistente (CRAFT). PI: PÉREZ CASTELLANO, NICASIO.

ECL.15/011. Ensayo controlado aleatorizado de la ablación del nódulo AV y de la estimulación biventricular frente a la terapia farmacológica óptima en pacientes con fibrilación auricular permanente. Ensayo de investigadores de la ablación del nódulo AV y de la estimu. PI: PÉREZ-VILLACASTÍN DOMÍNGUEZ, JULIÁN.

ECL.2016/015. Non-vitamin K antagonist Oral anticoagulants in patients with Atrial High rate episodes. PI: PÉREZ-VILLACASTÍN DOMÍNGUEZ, JULIÁN.

ECL.20/658. Ensayo clínico aleatorizado, multicéntrico, abierto, controlado, fase III, paralelo, para evaluar la eficacia y seguridad de Ivabradina versus Digoxina en el control crónico de la frecuencia cardíaca en pacientes con fibrilación auricular permanente en tr. PI: SALGADO ARANDA, RICARDO.

ECL.16/526. Estudio multicéntrico, aleatorizado, doble ciego, controlado con tratamiento activo para evaluar los efectos de LCZ696 comparado con valsartán en la función cognitiva en pacientes con insuficiencia cardíaca crónica y fracción de eyección preservada. PI: BOVER FREIRE, RAMÓN.

ECL.2018/083. Ensayo fase III, internacional, doble ciego, aleatorizado y controlado con placebo, para evaluar el efecto de dapagliflozina en la reducción de la mortalidad cardiovascular o el empeoramiento de la insuficiencia cardíaca en pacientes con insuficiencia car. PI: BOVER FREIRE, RAMÓN.

DFR.M01ABB. Financiación por Abbott estudio "Patient-TAILOred ablation of atrial fibrillation drivers in persistent stages based on instantaneous amplitude and frequency modulation criteria (TAILOR-AF)". Promotores FIBHCSC /CNIC. PI: FILGUEIRAS RAMA, DAVID. Funding organisation: ABBOTT MEDICAL ESPAÑA S.A.

ECL.21/570. ESTUDIO CLÍNICO FUNDAMENTAL DE FASE 3, ALEATORIZADO Y CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DEL ESTIMULADOR DE LA GCS VERICIGUAT/MK-1242 EN ADULTOS CON INSUFICIENCIA CARDÍACA CRÓNICA CON FRACCIÓN DE EYECCIÓN REDUCIDA. PI: GOIRIGOLZARRI ARTAZA, JOSEBE.

ECL.21/070. PROYECTO DE VIABILIDAD DEL USO EN HOSPITALES ESPAÑOLES DE ESTÁNDARES RECOMENDADOS PARA MEDIR RESULTADOS EN PACIENTES CON INSUFICIENCIA CARDÍACA (HF-OUTCOMES-SPAIN). PI: GOIRIGOLZARRI ARTAZA, JOSEBE.

Valor predictivo de los Electrogramas intracavitarios en la aparición de eventos arrítmicos VENTRICULARES y/u HOSPITALIZACIONES en pacientes portadores de desfibrilador (EVENTHOS). PI: FILGUEIRAS RAMA, DAVID.

16/405-E. Valor pronóstico precoz de un Algoritmo basado en Variables espectrales de la fibrilación Ventricular en el EKG de pacientes con parada cardiorrespiratoria intra/Extra-hospitalaria. (AWAKE). PI: FILGUEIRAS RAMA, DAVID.

ECL.15/444. Valor del Despijaje y Tratamiento del S. Apnea-Hipopnea del Sueño en el Manejo de Candidatos a Ablación de Fibrilación Auricular (SLEEP-AF). PI: PÉREZ CASTELLANO, NICASIO.

ECL.21/353. COMPORTAMIENTO DE EDOXABÁN EN PACIENTES CON FIBRILACIÓN AURICULAR NO VALVULAR E INSUFICIENCIA CARDÍACA EN ESPAÑA - COMPORTAMIENTO DE EDOXABÁN EN FANV E IC. ESTUDIO EMAYIC. PI: GOIRIGOLZARRI ARTAZA, JOSEBE.

## CV.6 Group on Predictive Biomedicine and Translational Research of Respiratory, Cardiovascular and Metabolic Diseases

### Non competitive funding

ECL.13/144. GREAT GLOBAL REGISTRY ENDOVASCULAR AORTA TREATMENT. PI: HERNANDEZ MATEO, MANUELA MARIA; FRANCISCO JAVIER SERRANO HERNANDO.

ALF.M01BAY. POSIBLE EFECTOS BENEFICIOSOS DEL RIVAROXABAN COMO POTENCIAL INHIBIDOR DEL CRECIMIENTO DE ANEURISMA DE AORTA ABDOMINAL. PI: LÓPEZ FARRÉ, ANTONIO. Funding organisation: BAYER HISPANIA, S.L.U.

ECL.14/528. BIOTRONIK - Un registro prospectivo, internacional, multicéntrico, postcomercialización, con inclusión de todos los pacientes, para evaluar el rendimiento clínico del catéter con balón liberador de paclitaxel Paseo-18 Luxen arterias infrainguinales -III. PI: MARTÍNEZ LÓPEZ, ISAAC; SERRANO HERNANDO, FRANCISCO.

ECL.19/568. Estudio observacional, prospectivo y multinacional para describir el uso de calcimiméticos en pacientes sometidos a hemodiálisis (HD). PI: HERRERO CALVO, JOSÉ ANTONIO.

ECL.2016/101. Estudio de fase 3 aleatorizado, abierto (enmascarado para el promotor), con control activo, de grupos paralelos, multicéntrico, basado en acontecimientos en sujetos que no reciben diálisis con anemia asociada a nefropatía crónica para evaluar la seguridad. PI: HERRERO CALVO, JOSÉ ANTONIO.

## CV.7 Valvular Pathology and Large Vessels

### Competitive funding

FIS.190518. Terapia antibiótica corta comparada con el tratamiento antibiótico convencional en pacientes con endocarditis infecciosa por cocos gram positivos: ensayo clínico aleatorizado. PI: OLMOS BLANCO, CARMEN. Funding organisation: INSTITUTO DE SALUD CARLOS III.

### Non competitive funding

ECL.15/584. "Evaluación de los resultados clínicos del sistema valvular EDWARDS INTUITY Elite en la sustitución valvular aórtica [SVA] aislada con cirugía mínimamente invasiva en un registro multicéntrico europeo, activo, post-comercialización." - Registro MISSION. PI: MAROTO CASTELLANOS, LUIS CARLOS.

ECL.18/148. Registro universal de implantación de prótesis de válvula aórtica de Sorin- SURE\_AVR. PI: MAROTO CASTELLANOS, LUIS CARLOS.

ECL.2018/121. ESTUDIO DE FASE 3, ALEATORIZADO, DOBLE CIEGO Y CONTROLADO CON PLACEBO, PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE QPI-1002 EN LA PREVENCIÓN DE ACONTECIMIENTOS ADVERSOS RENALES GRAVES (MAKE) EN PACIENTES CON ALTO RIESGO DE LESIÓN RENAL AGUDA (AKI) DESPUÉS. PI: MAROTO CASTELLANOS, LUIS CARLOS.

ECL.21/211. PRIMER ESTUDIO CLÍNICO EN HUMANOS PARA EL TRATAMIENTO DE LA INSUFICIENCIA MITRAL GRAVE CON EL SISTEMA TRANSCATETERIANO DE VÁLVULA MITRAL EPGON™ - (MINERVA FIH). PI: MAROTO CASTELLANOS, LUIS CARLOS.

## CV.8 Translational Research in Acute Myocardial Syndromes (INTEGRA)

### Competitive funding

QUORUM. A Phase 2, Double-blind, Active-controlled, Dose-titrating Efficacy and Safety Study of Firibastat (QGC001) Compared to Ramipril Administered Orally, Twice Daily, Over 12 Weeks to Prevent Left Ventricular Dysfunction after Acute Myocardial Infarction Short Title: Quantum Genomics Firibastat (QGC001) or Ramipril after Acute Myocardial Infarction for Prevention of Left Ventricular Dysfunction (QUORUM). PI: FERNÁNDEZ ORTIZ, ANTONIO IGNACIO. Funding organisation: Quantum Genomics."

GOLDILOX. A Phase IIB, Randomized, Double-blinded, Placebo-controlled, Parallel-group Study to Evaluate the Efficacy and Safety of MEDI6570 in Participants with a Prior Myocardial Infarction, Persistent Inflammation, and Elevated N-terminal Prohormone Brain Natriuretic Peptide. PI: FERNÁNDEZ ORTIZ, ANTONIO IGNACIO. Funding organisation: COVANCE.

REBOOT. TRÉatment with Beta-blockers after myOcardial infarction withOut reduced ejection fracTion (tratamiento con betabloqueantes tras infarto de miocardio sin fracción de eyección reducida) REBOOT. PI: FERNÁNDEZ ORTIZ, ANTONIO IGNACIO. Funding organisation: CNIC.

SOS AMI. Estudio multicéntrico, doble ciego, aleatorizado, controlado por placebo y con grupos paralelos para evaluar la eficacia y la seguridad de selatogrel subcutáneo, autoadministrado para la prevención de la mortalidad total y el tratamiento del infarto agudo de miocardio. PI: FERNÁNDEZ ORTIZ, ANTONIO IGNACIO. Funding organisation: Hospital Universitario Bellvitge. IDORSIA.

### Non competitive funding

ECL.14/451. ESTUDIO ALEATORIZADO PARA COMPARAR LA EFICACIA DE LA ESTRATEGIA DE REVASCULARIZACIÓN COMPLETA A LADE SOLAMENTE EL VASO RESPONSABLE EN EL TRATAMIENTO DE LAS CORONARIOPATÍAS QUE AFECTAN A VARIOS VASOS TRAS UNA INTERVENCIÓN CORONARIA PERCUTÁNEA PRIMARIA DEBI. PI: FERNÁNDEZ ORTIZ, ANTONIO IGNACIO.

SECURE. To evaluate the efficacy of a polypill strategy containing aspirin (100 mg), ramipril (2.5, 5 or 10 mgs), and atorvastatin (40mgs) compared with the standard of care (usual care according to the local clinical practices at each participating country) in secondary prevention of major cardiovascular events (cardiovascular death, nonfatal myocardial infarction, nonfatal ischemic stroke, and urgent revascularization). PI: FERNÁNDEZ ORTIZ, ANTONIO IGNACIO. Funding organisation: CNIC.

ECL.2016/029. Estudio de fase III, aleatorizado, doble ciego y controlado con placebo para evaluar los efectos de dalcetrapib sobre el riesgo cardiovascular (CV) en una población definida genéticamente con síndrome coronario agudo reciente (SCA): el ensayo dal-GenE. PI: FERNÁNDEZ ORTIZ, ANTONIO IGNACIO.

ECL.19/093. Registro Global SYMPLICITY. PI: NÚÑEZ GIL, IVÁN JAVIER.

ECL.11/349. Registro Nacional Multicéntrico sobre síndrome de Tako Tsubo (Discinesia apical transitoria). PI: NÚÑEZ GIL, IVÁN JAVIER.

HOPE. HOPE-COVID19:Anticoagulation Therapy in Patients With Coronavirus Disease 2019: Results From a Multicenter International Prospective Registry (Health Outcome Predictive Evaluation for Corona Virus Disease 2019 [HOPE-COVID19]). PI: NÚÑEZ GIL, IVÁN JAVIER.

RANSOM. Denervación renal en disautonomía. REGISTRO RANSOM (Renal Arterial deNervation in Sympathetic dysautonomIA). PI: NÚÑEZ GIL, IVÁN JAVIER. Funding organisation: FIC.

GRS DEFINE. Estudio Observacional Registro de producto sanitario. (. PI: NÚÑEZ GIL, IVÁN JAVIER. Funding organisation: Medtronic Bakken Research Center.

ECL.17/213. FACTORES PREDICTIVOS DEL SHOCK CARDIOGÉNICO EN LOS PACIENTES CON INSUFICIENCIA CARDIACA AGUDA (PRE-SHOCK SCORE). PI: VIANA TEJEDOR, ANA.

ECL.2019/136. Ensayo de fase 2, multicéntrico, aleatorizado, controlado con placebo, doble ciego, de grupos paralelos, de búsqueda de dosis para evaluar la eficacia y seguridad de BAY 2433334 en pacientes que han sufrido un infarto agudo de miocardio. PI: FERNÁNDEZ ORTIZ, ANTONIO IGNACIO. Funding organisation: BAYER.

ECL.20/724. ESTUDIO EN FASE IIB, ALEATORIZADO, DOBLE CIEGO, CONTROLADO CON PLACEBO, DE GRUPOS PARALELOS PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE MEDI6570 EN PARTICIPANTES CON UN INFARTO DE MIOCARDIO PREVIO, INFLAMACIÓN PERSISTENTE Y NIVELES ELEVADOS DE PROHORMONA N. PI: FERNÁNDEZ ORTIZ, ANTONIO IGNACIO.

ECL.20/439. KISS: Keep bifurcation single Stenting Simple (sencillez en la colocación de stents únicos en bifurcaciones). PI: FERNÁNDEZ ORTIZ, ANTONIO IGNACIO.

ECL.18/259. Estudio de fase 3, multicéntrico, doble ciego, aleatorizado, controlado con placebo y de grupos paralelos para investigar la eficacia y seguridad de CSL112 en pacientes con síndrome coronario agudo. PI: FERNÁNDEZ ORTIZ, ANTONIO IGNACIO.

ECL.20/692. "ESTUDIO DE FASE III MULTICÉNTRICO, ABIERTO Y DE UN SOLO GRUPO DE PB2452 EN PACIENTES TRATADOS CON TICAGRELOR CON HEMORRAGIA MAYOR O POTENCIALMENTE MORTAL NO CONTROLADA O QUE REQUIERAN UNA INTERVENCIÓN QUIRÚRGICA O UN PROCEDIMIENTO INVASIVO URGENTES". PI: VIVAS BALCONES, LUIS DAVID.

## CV.10 Myocardial Regeneration Therapy

### Competitive funding

FIS.171685. Evaluación de los factores biológicos asociados a la trombosis valvular como causa de disfunción protésica precoz en pacientes con estenosis aórtica severa sometidos a TAVI. PI: JIMÉNEZ QUEVEDO, PILAR. Funding organisation: INSTITUTO DE SALUD CARLOS III.

FIS.181297. Utilidad de la amiodarona en la prevención de la fibrilación auricular de nueva aparición después del implante de una válvula aórtica transcáter: ensayo clínico aleatorizado. PI: NOMBELA FRANCO, LUIS. Funding organisation: INSTITUTO DE SALUD CARLOS III.

### Non competitive funding

ECL.14/024. MONITORIZACIÓN ELECTROCARDIOGRÁFICA AMBULATORIA PARA LA DETECCIÓN DE BLOQUEO AURÍCULO-VENTRICULAR DE ALTO GRADO EN PACIENTES QUE DESARROLLAN

UN BLOQUEO DE RAMA IZQUIERDA PERSISTENTE TRAS EL REPLAZO DE LA VÁLVULA AÓRTICA POR VÍA PERCUTÁNEA. ESTUDIO MARE. PI: NOMBELA FRANCO, LUIS.

ECL.14/191. IMPLANTE PERCUTANEO DE PROTESIS AÓRTICA (IPPVA) EN PACIENTES CON ESTENOSIS AÓRTICA DE BAJO FLUJO Y BAJO GRADIENTE. REGISTRO PROSPECTIVO MULTICENTRICO, TOPAS TAVI. PI: NOMBELA FRANCO, LUIS.

ECL.18/217. Reducción de los síntomas de congestión pulmonar utilizando la derivación V-wavE en la insuficiencia cardíaca avanzada. PI: NOMBELA FRANCO, LUIS.

ECL.18/502. El registro CONFIDENCE Controlled delivery For Improved outcomes with clinical Evidence (Administración controlada para la mejora de resultados con evidencias clínicas). PI: NOMBELA FRANCO, LUIS.

ECL.20/492. Comparison of Anticoagulation with Left Atrial Appendage Closure after AF Ablation (OPTION). PI: NOMBELA FRANCO, LUIS.

ECL.20/576. Discontinuation of Antithrombotic Treatment Following Patent Foramen Ovale Closure in Young Patients with Cryptogenic Stroke. The HALTI trial. PI: NOMBELA FRANCO, LUIS.

ECL.20/723. PROTECTED TAVR: PROTECCIÓN FRENTE A ACCIDENTES CEREBROVASCULARES CON SENTINEL DURANTE LA SUSTITUCIÓN DE LA VÁLVULA AÓRTICA TRANSCATÉTER (PROTECTED TAVR, POR SUS SIGLAS EN INGLÉS) (STROKE PROTECTION WITH SENTINEL DURING TRANSCATHETER AORTIC VALVE REPLACEMENT). PI: NOMBELA FRANCO, LUIS.

ECL.21/032. DAPAGLIFLOZINA DESPUÉS DEL IMPLANTE DE PRÓTESIS VALVULAR AÓRTICA PERCUTÁNEA (DAPATAVI). PI: NOMBELA FRANCO, LUIS.

ECL.21/273. INVESTIGACIÓN CLÍNICA VANTAGE: EVALUACIÓN DE TAVR UTILIZANDO LA VÁLVULA NAVITOR EN UNA INVESTIGACIÓN GLOBAL. Evaluation of TAVR using the NAVITOR valve in a Global Investigation. PI: NOMBELA FRANCO, LUIS.

ECL.19/147. Utilidad de la amiodarona en la prevención de la fibrilación auricular de nueva aparición después del implante de una válvula aórtica transcáteter: Ensayo clínico aleatorizado. PI: NOMBELA FRANCO, LUIS.

## CV.II Cardiovascular Risk

### Competitive funding

ACA.C01FEM119. ESTUDIO PILOTO EN TRES CENTROS DE LA PROVINCIA DE SEGOVIA DE UNA COHORTE EN SEGUIMIENTO. ESTUDIO DE SÍNDROME METABÓLICO, DIETA Y CARACTERIZACIÓN DE LA MICROBIOTA INTESTINAL. PI: CORBATÓN ANCHUELO, ARTURO. Funding organisation: SOCIEDAD ESPAÑOLA DE MEDICINA INTERNA SEMI.

AEF.SEC.17. Estudio de la relación entre inflamación y microbiota intestinal en el desarrollo y progresión de la insuficiencia cardíaca. PI: GÓMEZ GARRE, DULCENOMBRE. Funding organisation: SOCIEDAD ESPAÑOLA DE CARDIOLOGÍA.

DGG.PAID.18. AIRTEC-CM: EVALUACIÓN INTEGRAL DE LA CALIDAD DEL AIRE URBANO Y CAMBIO CLIMÁTICO. PI: GÓMEZ GARRE, DULCENOMBRE. Funding organisation: CONSEJERÍA DE EDUCACIÓN, JUVENTUD Y DEPORTE.

MMB.C01FEM119. Estratificación pronóstica y terapéutica mediante la escala PROFUND en pacientes pluripatológicos con Insuficiencia Cardíaca. Registro PROFUND-IC. PI: MENDEZ BAILON, MANUEL. Funding organisation: SOCIEDAD ESPAÑOLA DE MEDICINA INTERNA SEMI.

### Non competitive funding

ECL.15/344. Estudio a largo plazo, aleatorizado, doble ciego, controlado con placebo para determinar el efecto de Albiglutida, cuando se añade al tratamiento hipoglucemiante estándar, sobre eventos cardiovasculares mayores en pacientes con Diabetes Mellitus Tipo2. PI: MARTELL CLAROS, NIEVES.

ECL.16/557. Estudio no intervencionista sobre el tratamiento con edoxabán en la práctica clínica habitual para pacientes con fibrilación auricular no valvular. PI: MENDEZ BAILON, MANUEL.

ECL.19/409. ESTUDIO PILOTO EN TRES CENTROS DE LA PROVINCIA DE SEGOVIA DE UNA COHORTE EN SEGUIMIENTO. Estudio de SÍNDROME METABÓLICO, DIETA Y CARACTERIZACIÓN DE LA MICROBIOTA INTESTINAL. PI: CORBATÓN ANCHUELO, ARTURO. Funding organisation: CORBATÓN ANCHUELO, ARTURO.

ECL.20/718. Ensayo Clínico que evalúa la trombopprofilaxis óptima y las estrategias anticoagulantes en pacientes con neumonía COVID 19. PI: PEDRAJAS NAVAS, JOSE MARÍA.

20/512-E\_COVID. Alteración de la respuesta inmune mediada por el zinc en pacientes con infección aguda por SARS-CoV-2. PI: CORBATÓN ANCHUELO, ARTURO. Funding organisation: CORBATÓN ANCHUELO, ARTURO.

ECL.20/519(B). Tratamiento de pacientes dislipémicos con alto riesgo y muy alto riesgo para la prevención de eventos cardiovasculares en Europa - Estudio Multinacional Observacional (SANTORINI). PI: MENDEZ BAILON, MANUEL.

# Inflammation, infection, immunity and allergy

## IIA.1 Allergy

### Competitive funding

FIS.191095. Gravedad de las reacciones alérgicas: del fenotipo al endotipo. PI: FERNÁNDEZ RIVAS, MARÍA MONTSERRAT. Funding organisation: INSTITUTO DE SALUD CARLOS III.

RED.16/0006/0009. Asma, Reacciones Adversas y Alérgicas (ARADYAL). PI: FERNÁNDEZ RIVAS, MARÍA MONTSERRAT. Funding organisation: INSTITUTO DE SALUD CARLOS III.

### Non competitive funding

ECL.17/491. ESTUDIO MULTICÉNTRICO, ABIERTO, DE SEGURIDAD A LARGO PLAZO DE LA INMUNOTERAPIA CARACTERIZADA POR

LA DESENSIBILIZACIÓN ORAL DE ARI01 EN LOS SUJETOS QUE PARTICIPARON EN UN ESTUDIO ANTERIOR SOBRE ARI01. PI: FERNÁNDEZ RIVAS, MARÍA MONTSERRAT.

ECL.20/213. Estudio de fase II para evaluar la tolerabilidad, seguridad y eficacia de la inmunoterapia sublingual en pacientes con alergia al polen de gramíneas. PI: FERNÁNDEZ RIVAS, MARÍA MONTSERRAT.

ECL.21/607. ESTUDIO OBSERVACIONAL RETROSPECTIVO MULTICÉNTRICO PARA EVALUAR LA TOLERABILIDAD DE LA INMUNOTERAPIA SUBCUTÁNEA CON ALÉRGENO MAYOR CUPRESSUS ARIZONICA, CUP A 1, EN PACIENTES CON RINOCONJUNTIVITIS ALÉRGICA CON O SIN ASMA CONTROLADA SENSIBILIZADOS AL POLEN D. PI: CIMARRA ÁLVAREZ-LOWELL, MARÍA MERCEDES.

21/225-EC\_P. ESTUDIO MULTICÉNTRICO, ABIERTO, CONTROLADO, ALEATORIZADO, PARA EVALUAR LA EFICACIA DE LA APLICACIÓN OITCONTROL EN LA MONITORIZACIÓN DE LOS PACIENTES EN ITO CON ALIMENTOS. PI: VÁZQUEZ CORTÉS, SONIA.

## IIIA.2 Genetics and molecular bases of complex diseases

### Competitive funding

CNP.C01ROC. Financiación por Roche de la Convocatoria de RRHH Stop Fuga cerebros. PI: NÚÑEZ PARDO DE VERA, MARÍA CONCEPCIÓN. Funding organisation: ROCHE FARMA S.A.U..

CNP.CPP19. Contratación de investigadores predoctorales e investigadores posdoctorales 2019. PI: NÚÑEZ PARDO DE VERA, MARÍA CONCEPCIÓN. Funding organisation: CONSEJERIA DE EDUCACIÓN, JUVENTUD Y DEPORTE.

CNP.YE120. Ayudas para la contratación de ayudantes de investigación y técnicos de laboratorio cofinanciadas por el Fondo Social Europeo a través del Programa Operativo de Empleo Juvenil y la Iniciativa de Empleo Juvenil (YEI). PI: NÚÑEZ PARDO DE VERA, MARÍA CONCEPCIÓN. Funding organisation: CONSEJERIA DE EDUCACIÓN, JUVENTUD Y DEPORTE.

EUG.P04.PAIE.20. PROGRAMA DE APOYO A PROYECTOS DE INVESTIGADORES ESTABILIZADOS: Daño mitocondrial en pacientes con esclerosis múltiple primaria progresiva. PI: URCELAY GARCÍA, ELENA. Funding organisation: FUNDACIÓN PARA LA INVESTIGACION BIOMEDICA DEL HOSPITAL CLINICO SAN CARLOS.

FIS.180989. Enfermedad celíaca seronegativa: caracterización y búsqueda de biomarcadores. Aplicación al estudio de enfermedad inflamatoria intestinal. PI: NÚÑEZ PARDO DE VERA, MARÍA CONCEPCIÓN. Funding organisation: INSTITUTO DE SALUD CARLOS III.

FPU20/03387. FPU Adela González Jiménez. PI: URCELAY GARCÍA, ELENA. Funding organisation: MINISTERIO DE CIENCIA E INNOVACION.

PI20/01634. Explorando los orígenes del daño en Esclerosis Múltiple. PI: URCELAY GARCÍA, ELENA. Funding organisation: INSTITUTO DE SALUD CARLOS III.

RED.16/0015/0013. Red Española de Esclerosis Múltiple. PI: URCELAY GARCÍA, ELENA. Funding organisation: INSTITUTO DE SALUD CARLOS III.

### Non competitive funding

COG.C03SAN. Proyecto Análisis del uso y riesgos de los anticuerpos monoclonales en la práctica clínica diaria: Soporte a la Unidad de Esclerosis Múltiple del Servicio de Neurología del Hospital Universitario Clínico San Carlos, colaboración con Enfermería para la adm. PI: OREJA GUEVARA, CELIA. Funding organisation: SANOFI AVENTIS, S.A..

ECL.10/291. ESTUDIO DE FASE III, MULTICÉNTRICO, ALEATORIZADO, DE GRUPOS PARALELOS, DOBLE CIEGO, CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE OCRELIZUMAB EN ADULTOS CON ESCLEROSIS MÚLTIPLE PROGRESIVA PRIMARIA. PI: OREJA GUEVARA, CELIA.

ECL.11/246. ESTUDIO ALEATORIZADO, DOBLE CIEGO, CON DOBLE SIMULACIÓN Y DE GRUPOS PARALELOS PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE OCRELIZUMAB EN COMPARACIÓN CON INTERFERÓN BETA-1A (REBIF) EN PACIENTES CON ESCLEROSIS MÚLTIPLE RECIDIVANTE. PI: OREJA GUEVARA, CELIA.

ECL.12/344. ESTUDIO MULTICÉNTRICO, ALEATORIZADO, DOBLE CIEGO DE GRUPOS PARALELOS, CONTROLADO CON PLACEBO, CON DURACIÓN VARIABLE DEL TRATAMIENTO, QUE EVALUA LA EFICACIA Y SEGURIDAD DE SIPONIMOD (BAF312) EN PACIENTES CON ESCLEROSIS MÚLTIPLE SECUNDARIA PROGRESIVA SEGUID. PI: OREJA GUEVARA, CELIA.

ECL.13/283. ENSAYO MULTICÉNTRICO ALEATORIZADO, DOBLE CIEGO Y CONTROLADO CON PLACEBO PARA EVALUAR LA SEGURIDAD Y LA EFICACIA DE ECLIZUMAB EN PACIENTES CON NEUROMIELITIS ÓPTICA (NMO) RECIDIVANTE. PI: OREJA GUEVARA, CELIA.

ECL.15/091. ESTUDIO DE FASE 3, MULTICÉNTRICO, ALEATORIZADO, EN DOBLE CIEGO Y CONTROLADO CON PLACEBO, DE LA EFICACIA

Y SEGURIDAD DE SA237, AÑADIDO AL TRATAMIENTO BASAL, EN PACIENTES CON NEUROMIELITIS ÓPTICA (NMO) O EL ESPECTRO DE TRASTORNOS DE LA NEUROMIELITIS ÓPTICA. PI: OREJA GUEVARA, CELIA.

ECL.15/291. ESTUDIO POSTAUTORIZACIÓN DE SEGURIDAD, PROSPECTIVO, MULTICÉNTRICO Y OBSERVACIONAL PARA EVALUAR EL PERFIL DE SEGURIDAD A LARGO PLAZO DEL TRATAMIENTO CON LEMTRADA® (ALEMTUZUMAB) EN PACIENTES CON FORMAS RECIDIVANTES DE ESCLEROSIS MÚLTIPLE. PI: OREJA GUEVARA, CELIA.

ECL.16/066. Registro español de pacientes tratados con acetato de glatiramero (Copaxone®) 40 mg/ml. PI: OREJA GUEVARA, CELIA.

ECL.16/127. ESTUDIO ABIERTO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE OCRELIZUMAB EN PACIENTES CON ESCLEROSIS MÚLTIPLE REMITENTE RECIDIVANTE QUE TIENEN UNA RESPUESTA SUBÓPTIMA A UN CICLO ADECUADO DE TRATAMIENTO MODIFICADOR DE LA ENFERMEDAD. PI: OREJA GUEVARA, CELIA.

ECL.18/061. Estudio prospectivo, de dos años de duración, para evaluar el inicio de acción de Mavenclad® en sujetos con esclerosis múltiple recidivante de elevada actividad. PI: OREJA GUEVARA, CELIA.

ECL.19/131. Estudio observacional transversal con recogida de datos retrospectivos para valorar la carga de la Esclerosis Múltiple Secundaria Progresiva. PI: OREJA GUEVARA, CELIA.

ECL.20/018. Estudio multicéntrico, abierto, controlado con placebo externo y de fase III para evaluar la eficacia y la seguridad de ravulizumab en pacientes adultos con trastorno del espectro de neuromielitis óptica (NMOSD). PI: OREJA GUEVARA, CELIA.

ECL.20/210. ESTUDIO MULTICÉNTRICO, ABIERTO, PROSPECTIVO Y DE UN BRAZO ÚNICO PARA EVALUAR LA EFECTIVIDAD DEL TRATAMIENTO CON OFATUMUMAB Y LOS RESULTADOS COMUNICADOS POR EL PACIENTE, EN PACIENTES CON ESCLEROSIS MÚLTIPLE RECURRENTE QUE PASAN DE DIMETILFUMARATO O FINGOLÍ. PI: OREJA GUEVARA, CELIA.

ECL.20/329. A Phase III, Multicenter, Randomized, Parallel Group, Double Blind, Double Dummy, Active Controlled Study of Evobrutinib Compared with Teriflunomide, in Participants with Relapsing Multiple Sclerosis to Evaluate Efficacy and Safety. PI: OREJA GUEVARA, CELIA.

ECL.20/430. Estudio en fase 3, aleatorizado, doble ciego para evaluar la eficacia y seguridad del tratamiento con SAR442168 frente a teriflunomida (Aubagio®) en pacientes con esclerosis múltiple recidivante (GEMINI 2). PI: OREJA GUEVARA, CELIA.

ECL.20/611. "Estudio de eficacia y seguridad de fase 3, aleatorizado y doble ciego que compara SAR442168 con placebo en participantes con esclerosis múltiple secundaria progresiva no recidivante / Phase 3, randomized, double-blind, efficacy and safety study comparing. PI: OREJA GUEVARA, CELIA.

ECL.20/627. ESTUDIO ABIERTO, MULTICÉNTRICO Y DE UN SOLO GRUPO PARA EVALUAR LA SEGURIDAD Y LA EFICACIA A LARGO PLAZO DE SATRALIZUMAB (SA237) EN PACIENTES CON UN TRASTORNO DEL ESPECTRO DE LA NEUROMIELITIS ÓPTICA (TENMO) A MULTICENTER, SINGLE ARM, OPEN-LABEL STUDY TO EV. PI: OREJA GUEVARA, CELIA.

ECL.20/668. A 2-year extension study to evaluate long-term effectiveness of Mavenclad® in participants who have completed Trial MS700568\_0022 (MAGNIFY MS). Estudio de extensión de 2 años para evaluar la eficacia a largo plazo de Mavenclad® en participantes del ensayo. PI: OREJA GUEVARA, CELIA.

ECL.20/740. EXPLORANDO LA DISFUNCIÓN MITOCONDRIAL: ¿EL ORIGEN DE LA ESCLEROSIS MÚLTIPLE?. PI: URCELAY GARCÍA, ELENA.

ECL.20/807. EVALUACIÓN Y SELECCIÓN DE MÉTODOS PARA DIAGNOSTICAR LA ENFERMEDAD CELÍACA EN INDIVIDUOS EN DIETA SIN GLUTEN. PI: NÚÑEZ PARDO DE VERA, MARÍA CONCEPCIÓN.

ECL.2018/114. Estudio de extensión abierto, de brazo único y multicéntrico, para evaluar la seguridad, tolerabilidad y eficacia a largo plazo de ofatumumab, en pacientes con esclerosis múltiple que cursa con brotes. PI: OREJA GUEVARA, CELIA.

ECL.2018/125. Estudio aleatorizado, doble ciego, controlado con placebo, de 3 brazos con grupos paralelos, y de 36 semanas de duración para evaluar la seguridad y tolerabilidad de ORY-2001 en pacientes con Esclerosis Múltiple Remitente- Recurrente (EMRR) y Esclerosis M. PI: OREJA GUEVARA, CELIA.

ECL.21/033. ESTUDIO ABIERTO, ALEATORIZADO, CON EVALUADOR CIEGO, MULTICÉNTRICO, DE BRAZOS PARALELOS, CON COMPARADOR ACTIVO PARA EVALUAR LA EFICACIA Y TOLERABILIDAD DE OFATUMUMAB 20 MG S.C. ADMINISTRADO MENSUALMENTE VS.



TME DE PRIMERA LÍNEA A ELECCIÓN DEL MÉDICO EN EL. PI: OREJA GUEVARA, CELIA.

ECL.21/388. ESTUDIO DE FASE IV, MULTICÉNTRICO Y ABIERTO PARA EVALUAR LA CONCENTRACIÓN DE LINFOCITOS B EN LACTANTES DE MUJERES EN PERÍODO DE LACTANCIA AFECTADAS DE SCA O EM QUE RECIBEN OCRELIZUMAB (ESTUDIO SOPRANINO). PI: OREJA GUEVARA, CELIA.

ECL.21/395. ESTUDIO CLÍNICO EN FASE IV, MULTICÉNTRICO Y ABIERTO, PARA EVALUAR LA CONCENTRACIÓN DE LINFOCITOS B EN NIÑOS POTENCIALMENTE EXPUESTOS AL OCRELIZUMAB DURANTE EL EMBARAZO; ESTUDIO MINORE. PI: OREJA GUEVARA, CELIA.

COG.M01NOV. Evaluación de la utilidad de la resonancia magnética (RM) la y tomografía de coherencia óptica (OCT) en la identificación precoz de daño axonal y neurodegeneración en pacientes con esclerosis múltiple remitente recurrente (EMRR). PI: OREJA GUEVARA, CELIA. Funding organisation: NOVARTIS FARMACEUTICA S.A..

## IIIA.3 Musculoskeletal Pathology

### Competitive funding

ECL.20/510. Eficacia, seguridad y coste-efectividad del metotrexato, adalimumab, o su combinación en uveítis no anterior no infecciosa: un estudio multicéntrico, aleatorizado, paralelo de 3 brazos, con control activo, de fase 3, abierto, con evaluador cegado: Co-THEI. PI: RODRÍGUEZ RODRÍGUEZ, LUIS.

EUR.COVIDX. COVID eXponential Programme. PI: RODRÍGUEZ RODRÍGUEZ, LUIS. Funding organisation: COMISIÓN EUROPEA.

EUR.VALUE. Value based healthcare supported by process mining tools. PI: RODRÍGUEZ RODRÍGUEZ, LUIS. Funding organisation: EUROPEAN INSTITUTE OF INNOVATION AND TECHNOLOGY (EIT).

FIS.180026. Exploración y validación de nuevas dianas terapéuticas de la vía Wnt/ $\beta$ -catenina para modular el potencial regenerativo de Células Madre Mesenquimales en la artrosis. PI: FERNÁNDEZ GUTIÉRREZ, BENJAMÍN. Funding organisation: INSTITUTO DE SALUD CARLOS III.

FIS.181188. Predicción en la evolución de la Artritis Reumatoide mediante técnicas de "machine learning. PI: ABÁSULO ALCAZAR, LYDIA. Funding organisation: INSTITUTO DE SALUD CARLOS III.

ICI19/00020. Eficacia, seguridad y coste-efectividad del metotrexato, adalimumab, o su combinación en uveítis no anterior no infecciosa: un estudio multicéntrico, aleatorizado, paralelo de 3 brazos, con control activo, de fase 3, abierto, con evaluador cegado: Co-THEI. PI: RODRÍGUEZ RODRÍGUEZ, LUIS. Funding organisation: INSTITUTO DE SALUD CARLOS III.

LRR.SORCOM.20. Desarrollo de un sistema de autoevaluación de actividad inflamatoria en polo posterior ocular para pacientes con uveítis no infecciosa. PI: RODRÍGUEZ RODRÍGUEZ, LUIS. Funding organisation: SOCIEDAD DE REUMATOLOGÍA DE LA COMUNIDAD DE MADRID SORCOM.

PI20/01221. Estudio de la evolución y factores asociados a la Calidad de Vida relacionada con la visión y con la salud en sujetos con uveítis no infecciosa: un análisis longitudinal. PI: RODRÍGUEZ RODRÍGUEZ, LUIS. Funding organisation: INSTITUTO DE SALUD CARLOS III.

RED.16/0012/0004. Red de Investigación en Inflamación y Enfermedades Reumáticas (RIER). PI: FERNÁNDEZ GUTIÉRREZ, BENJAMÍN. Funding organisation: INSTITUTO DE SALUD CARLOS III.

### Non competitive funding

CEEA.13/1-II. "ESTUDIO DE LA REPARACIÓN DE LAS LESIONES DEL MANGUITO ROTADOR MEDIANTE COMPUESTOS TRANSPORTADOR-RH-BMP-CELULAS". PI: MARCO MARTÍNEZ, FERNANDO.

ECL.15/558. Estudio de fase 3, aleatorizado, doble ciego comparando ABT-494 con placebo en sujetos con artritis reumatoide activa moderada a grave que reciben una dosis estable de fármacos antirreumáticos modificadores de la enfermedad sintéticos convencionales (FARM. PI: FERNÁNDEZ GUTIÉRREZ, BENJAMÍN.

ECL.18/118. A Post-Market Domestic (US) and International Data Collection to Assess the Optetrak® Knee System" (Recogida de datos

global post comercialización para valorar el sistema de rodilla Optetrak" de fecha 10 de Octubre de 2012. PI: MARCO MARTÍNEZ, FERNANDO.

ECL.19/111. ESTUDIO DE ADAPTACIÓN DEL CUESTIONARIO QUALISEX PARA PACIENTES CON ARTRITIS REUMATOIDE EN ESPAÑA. PROYECTO ADAPTACIÓN-QUALISEX. PI: FERNÁNDEZ GUTIÉRREZ, BENJAMÍN.

ECL.19/120. GALACTIC-1 - Estudio de fase IIb, aleatorizado, doble ciego, multicéntrico, con grupos paralelos, controlado con placebo en pacientes con fibrosis pulmonar idiopática (FPI) para investigar la eficacia y la seguridad de TD139, un inhibidor de la galectina-. PI: NIETO BARBERO, MARÍA ASUNCIÓN.

ECL.20/137. CARACTERIZACIÓN Y CUSO CLÍNICO DE PACIENTES CON ENFERMEDAD PULMONAR INTERSTICIAL DIFUSA (EPID) DE ORIGEN AUTOINMUNE EN LA PRÁCTICA CLÍNICA DIARIA. DATOS DEL REGISTRO MULTICÉNTRICO NEREA. PI: ABÁSULO ALCAZAR, LYDIA.

ECL.20/254. Zephyrus II: Estudio de fase III3, aleatorizado, doble ciego, controlado con placebo, de eficacia y seguridad de pamrevlumab en sujetos con fibrosis pulmonar idiopática (FPI).. PI: NIETO BARBERO, MARÍA ASUNCIÓN.

ECL.20/441. Value based healthcare supported by process mining tools (Atención sanitaria basada en el valor respaldada por herramientas de minería de procesos) SUBTÍTULO: Identificación mediante herramientas de minería de procesos de las vías asistenciales seguidas p. PI: RODRÍGUEZ RODRÍGUEZ, LUIS."

ECL.20/448. Estudio observacional de la persistencia del tratamiento en la artritis psoriásica (Psoriatic Arthritis Observational Study of Persistence of Treatment) (Estudio PRO-SPIRIT). PI: FERNÁNDEZ GUTIÉRREZ, BENJAMÍN.

ECL.20/733. COVID-X: COVID eXponential Programme. PI: RODRÍGUEZ RODRÍGUEZ, LUIS.

ECL.20/739. ESTUDIO DE LA EVOLUCIÓN Y FACTORES ASOCIADOS A LA CALIDAD DE VIDA RELACIONADA CON LA VISIÓN Y CON LA SALUD EN SUJETOS CON UVEÍTIS NO INFECCIOSA: UN ANÁLISIS LONGITUDINAL. PI: RODRÍGUEZ RODRÍGUEZ, LUIS.

ECL.2019/003. Estudio internacional, multicéntrico, activo, paralelo controlado, abierto, randomizado, con tres ramas de tratamiento para comparar la respuesta de la inflamación sinovial evaluada por ecografía a baricitinib, en monoterapia o combinado con metotrexato,. PI: FERNÁNDEZ GUTIÉRREZ, BENJAMÍN.

ECL.2019/008. Estudio multicéntrico, aleatorizado, doble ciego y controlado con placebo para evaluar la seguridad y la eficacia de upadacitinib en sujetos con arteritis de células gigantes." - "Giant Cell Arteritis: Phase 3 Safety and Efficacy Study of Upadacitinib in. PI: FERNÁNDEZ GUTIÉRREZ, BENJAMÍN.

ECL.21/008. VERSIÓN ESPAÑOLA DE LA ESCALA DE CONSTANT: VALIDACIÓN Y ADAPTACIÓN TRANSCULTURAL. ESTABLECIMIENTO DE LOS VALORES DE REFERENCIA PARA LA POBLACIÓN ESPAÑOLA. PI: LOPIZ MORALES, YAIZA.

ECL.21/192. ESTUDIO FASE 2 MULTICÉNTRICO, ALEATORIZADO, DOBLE CIEGO, CONTROLADO CON PLACEBO DE LA EFICACIA, SEGURIDAD Y TOLERABILIDAD DE BMS-986278 EN PACIENTES CON FIBROSIS PULMONAR. PI: NIETO BARBERO, MARÍA ASUNCIÓN.

ECL.21/370. ESTUDIO MULTICÉNTRICO, ALEATORIZADO, CON DOBLE ENMASCARAMIENTO, COMPARATIVO CON PLACEBO Y DE DOSIS MÚLTIPLES PARA EVALUAR LA SEGURIDAD, LA TOLERABILIDAD, LA FARMACOCINÉTICA, LA FARMACODINAMIA Y LA EFICACIA DE JNJ-67484703 EN PACIENTES CON ARTRITIS REUMATO. PI: FERNÁNDEZ GUTIÉRREZ, BENJAMÍN.

ECL.21/472. ESTUDIO DE FASE IV, MULTICÉNTRICO, ALEATORIZADO, DOBLE CIEGO Y CONTROLADO CON PLACEBO QUE EVALÚA LA EFICACIA Y LA SEGURIDAD DE GUSELKUMAB ADMINISTRADO POR VÍA SUBCUTÁNEA EN PACIENTES QUE NO HAN RECIBIDO TRATAMIENTO BIOLÓGICO PREVIO CON ARTRITIS PSORIÁSICA. PI: FERNÁNDEZ GUTIÉRREZ, BENJAMÍN.

ECL.20/533. Estudio preliminar de eficacia en fase II, multicéntrico, aleatorizado, doble ciego y controlado con placebo para evaluar guselkumab para el tratamiento de pacientes con arteritis de células gigantes de nueva aparición o recidivante. PI: FERNÁNDEZ GUTIÉRREZ, BENJAMÍN.

ECL.20/673. Desarrollo de un sistema de autoevaluación de actividad inflamatoria en polo posterior ocular para pacientes con uveítis no infecciosa. PI: RODRÍGUEZ RODRÍGUEZ, LUIS.

## IIIA.7 Molecular and Epidemiological Study of Resistant Microorganisms of Clinical Interest

### Non competitive funding

ECL.19/280. BEZLOTOXUMAB -EN "VIDA REAL"- DURANTE EL PRIMER EPISODIO DE INFECCIÓN POR CLOSTRIDIUM DIFFICILE EN PACIENTES CON ALTO RIESGO DE RECURRENCIA. ESTUDIO BEFORE. PI: MERINO AMADOR, PALOMA.

ECL.2019/055. A Phase 3, Multicenter, Randomized, Double-blind Study of the Efficacy and Safety of Rezafungin for Injection versus Intravenous Caspofungin Followed by Optional Oral Fluconazole Step-down in the Treatment of Subjects with Candidemia and/or Invasive Candi. PI: MERINO AMADOR, PALOMA.

ECL.21/071. RESPUESTA INMUNOLÓGICA A LA VACUNA DE Pfizer DEL PERSONAL SANITARIO: DIFERENCIAS ENTRE INDIVIDUOS QUE HAN PASADO COVID Y AQUELLOS QUE NUNCA HAN SUFRIDO LA INFECCIÓN. PI: DELGADO-IRIBARREN GARCIA-CAMPERO, ALBERTO.

ECL.21/079. MAPEO NACIONAL DE CARBAPENEMAS EN ESPAÑA. ESTUDIO CARBA-MAP. PI: LOPEZ GONZALEZ, LAURA.

ECL.21/104. RESPUESTA INMUNOLÓGICA A LA VACUNA DE Pfizer EN POBLACIÓN GERIÁTRICA INSTITUCIONALIZADA: DIFERENCIAS ENTRE INDIVIDUOS QUE HAN PASADO COVID Y AQUELLOS QUE NUNCA HAN SUFRIDO LA INFECCIÓN. PI: CULEBRAS LÓPEZ, ESTHER.

ECL.21/193. RESPUESTA INMUNOLÓGICA A LA VACUNA DE AstraZeneca. ESTUDIO COMPARATIVO CON LA VACUNA DE Pfizer. PI: CULEBRAS LÓPEZ, ESTHER.

## IIIA.8 Kidney Diseases and Renal Function Replacement Therapy (Dialysis and Transplantation)

### Competitive funding

ASF.FMM.21. EFICACIA DE LA VACUNACION FRENTE A SARS-COV-2 EN UNA COHORTE DE TRASPLANTADOS RENALES. PI: SÁNCHEZ FRUCTUOSO, ANA ISABEL. Funding organisation: FUNDACION MUTUA MADRILEÑA.

IPF.SMT.21. Impacto de los Inhibidores del Cotransportador Sodio-Glucosa 2 en la función mitocondrial en receptores de trasplante renal con Diabetes Mellitus tipo 2. PI: PÉREZ FLORES, ISABEL. Funding organisation: SOCIEDAD MADRILEÑA DE TRASPLANTES.

### Non competitive funding

ECL.14/057. Ensayo Multicéntrico, Aleatorizado, Controlado y Abierto para Evaluar la Eficacia del Tratamiento Secuencial con Tacrolimus-Rituximab versus Esteroides más Ciclofosfamida en Pacientes con Nefropatía Membranosa Primaria. PI: RODRÍGUEZ MORENO, ANTOLINA.

ECL.16/019. ESTUDIO OBSERVACIONAL, NO INTERVENCIONISTA, MULTICÉNTRICO Y MULTINACIONAL DE PACIENTES CON SÍNDROME HEMOLÍTICO URÉMICO ATÍPICO (REGISTRO DE SHUa). PI: SÁNCHEZ FRUCTUOSO, ANA ISABEL.

ECL.18/319. Impacto de los niveles de tacrolimus en la prevención del rechazo en pacientes de edad avanzada receptores de trasplante renal de novo: estudio observacional prospectivo en las condiciones de la práctica clínica habitual. Estudio BITÁCORA. PI: CALVO ROMERO, NATIVIDAD.

ECL.20/821. ESTUDIO DE FASE II, DOBLE CIEGO, ALEATORIZADO Y CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE RAVULIZUMAB EN PARTICIPANTES ADULTOS

CON NEFRITIS LÚPICA (NL) PROLIFERATIVA O NEFROPATÍA POR INMUNOGLOBULINA A (NIGA). PI: RODRÍGUEZ MORENO, ANTOLINA.

ECL.2019/092. Estudio de fase IIIB, abierto, de seguimiento a largo plazo para evaluar la persistencia de las respuestas inmunes a la vacuna HZ/su de GSK a los 4-7 años tras la vacunación primaria; y evaluación de la inmunogenicidad y la seguridad de la revacunación co. PI: SÁNCHEZ FRUCTUOSO, ANA ISABEL.

ECL.21/095. ESTUDIO DE FASE III, MULTICÉNTRICO, ALEATORIZADO, DOBLE CIEGO Y CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE RAVULIZUMAB EN PARTICIPANTES ADULTOS CON MICROANGIOPATÍA TROMBÓTICA ASOCIADA A UN DESENCADENANTE "A PHASE 3, RANDOMIZED, DO. PI: SANCHEZ DE LA NIETA GARCIA, MARIA DOLORES.

ECL.21/144. DESARROLLO Y VALIDACIÓN DE LA ESCALA NEURO-SCORE FOR TRANSPLANTED PATIENTS PARA LA DETECCIÓN DEL DETERIORO COGNITIVO EN PACIENTES CON TRASPLANTE RENAL O HEPÁTICO TRATADOS CON INMUNOSUPRESORES. PI: SÁNCHEZ FRUCTUOSO, ANA ISABEL.

ECL.21/269. RESPUESTA INMUNE Y SEGURIDAD DE LA VACUNACIÓN COVID-19 EN PACIENTES CON ERC AVANZADA, EN DIÁLISIS Y TRASPLANTADOS RENALES." CÓDIGO DEL ESTUDIO: SENCOVAC. PI: LÓPEZ DE LA MANZANARA PÉREZ, VIRGINIA.

## IIIA.9 Infectious Diseases/ HIV

### Non competitive funding

ECL.11/037. MOMENTO ESTRATÉGICO PARA EL INICIO DE LA TERAPIA ANTIRETROVIRAL. START. PI: ESTRADA PÉREZ, VICENTE.

ECL.14/016. EFECTOS DE UNA INTERVENCIÓN NUTRICIONAL INMUNOMODULADORA SOBRE LA RECUPERACIÓN INMUNOLÓGICA DE PACIENTES CON VIH DIAGNOSTICADOS TARDIAMENTE. PI: ESTRADA PÉREZ, VICENTE.

ECL.15/302. ESTUDIO FASE III, MULTICÉNTRICO, ABIERTO, RANDOMIZADO, PARA EVALUAR EL CAMBIO A MK 1439A EN PACIENTES CON SUPRESIÓN VIROLÓGICA INFECTADOS POR EL VIH-1 EN UN REGIMEN DE UN INHIBIDOR DE PROTEASA POTENCIADO CON RITONAVIR Y DOS INHIBIDORES DE LA TRANSCRIPTASA. PI: ESTRADA PÉREZ, VICENTE.

ECL.16/403. A PHASE 3, RANDOMIZED, DOUBLE-BLIND STUDY TO EVALUATE THE SAFETY AND EFFICACY OF EMTRICITABINE AND TENOFOVIR ALAFENAMIDE (F/TAF) FIXED-DOSE COMBINATION ONCE DAILY FOR PRE-EXPOSURE PROPHYLAXIS IN MEN AND TRANSFENDER WOMEN WHO MAKE SEX WITH MEN AND ARE AT R. PI: DEL ROMERO GUERRERO, JORGE; ESTRADA PÉREZ VICENTE.

ECL.18/017. Estudio de fase III, aleatorizado, multicéntrico, con grupos paralelos y de ausencia de inferioridad para evaluar la eficacia, la seguridad y la tolerabilidad del cambio a dolutegravir más lamivudina en adultos infectados por el VIH 1 con supresión virológica. PI: VERGAS GARCÍA, JORGE.

ECL.18/018. COHORTE ESPAÑOLA DE PACIENTES CON INFECCIÓN POR VIH MAYORES DE 50 AÑOS PARA EL ESTUDIO DE LA FRAGILIDAD Y LA FUNCIÓN FÍSICA. ESTUDIO VIH-FUNCFRIL. PI: VERGAS GARCÍA, JORGE.

ECL.20/522. Estudio Fase IIb, aleatorizado, con grupo control activo, parcialmente cegado, de búsqueda de dosis de GSK3640254 en comparación con un brazo control de dolutegravir, cada uno en combinación con inhibidores de la transcriptasa inversa análogos de nucleósido. PI: ESTRADA PÉREZ, VICENTE."

ECL.20/534. Estudio Fase IIIb, aleatorizado, multicéntrico, con grupo control activo, de grupo paralelo, no inferioridad, abierto, que evalúa la eficacia, seguridad y tolerabilidad del cambio a Cabotegravir de acción prolongada junto con Rilpivirina de acción prolongada. PI: ESTRADA PÉREZ, VICENTE.

ECL.20/554. Ensayo clínico piloto para evaluar la eficacia, seguridad y tolerabilidad del cambio a un tratamiento con Bictegravir/FTC/TAF (Bictarvy®) más darunavir/cobicistat en pacientes infectados por VIH-1 altamente tratados. PI: ESTRADA PÉREZ, VICENTE.

ECL.20/564. Ensayo multicéntrico, adaptativo, randomizado, controlado y ciego de seguridad y eficacia de terapias en investigación para pacientes hospitalizados con COVID-19. PI: ESTRADA PÉREZ, VICENTE.

ECL.20/683. Estudio de Fase III, Multicéntrico, Aleatorizado, Doble Ciego, Controlado con Placebo en Adultos para Determinar la Seguridad y Eficacia de AZD7442, un Producto Combinado de Dos Anticuerpos Monoclonales (AZD8895 y AZD1061), para la Profilaxis Previa a la PI. ESTRADA PÉREZ, VICENTE.

ECL.20/688. Ensayo multicéntrico, de fase III, doble ciego, aleatorizado, paralelo, controlado con placebo para evaluar la eficacia y seguridad de una administración temprana de Ivermectina durante tres días consecutivos para prevenir la hospitalización relacionada c. PI: ESTRADA PÉREZ, VICENTE.

ECL.20/798. ESTUDIO OBSERVACIONAL INTERNACIONAL EN PACIENTES AMBULATORIOS CON INFECCIÓN POR SARS-COV-2. ESTUDIO AN INTERNATIONAL OBSERVATIONAL STUDY OF OUTPATIENTS WITH SARS-COV-2. PI: ESTRADA PÉREZ, VICENTE."

ECL.2018/108. Estudio en fase III para evaluar el efecto de la pitavastatina para prevenir los acontecimientos cardiovasculares en personas con infección por VIH-1. PI: ESTRADA PÉREZ, VICENTE.

ECL.2019/082. A Multi-center, Randomized, Double-blind, Placebo-controlled Phase 3 Efficacy Study of a Heterologous Vaccine Regimen of Ad26.Mos4.HIV and Adjuvanted Clade C gp140 and Mosaic gp140 to Prevent HIV-1 Infection Among Cis-gender Men and Transgender Individual. PI: ESTRADA PÉREZ, VICENTE.

ECL.2019/112. Estudio en fase III, aleatorizado, multicéntrico y abierto de adolescentes y adultos para comparar la eficacia y la seguridad de Gepotidacina con la ceftriaxona más azitromicina en el tratamiento de la gonorrea urogenital no complicada causada por Neisser. PI: PUERTA LÓPEZ, TERESA.

ECL.21/034. ENSAYO DE FASE III, ALEATORIZADO, EN DOBLE CIEGO Y CONTROLADO CON PLACEBO, PARA DETERMINAR LA EFICACIA Y LA SEGURIDAD DE SNG001 ADMINISTRADO POR VÍA INHALATORIA EN EL TRATAMIENTO DE PACIENTES HOSPITALIZADOS CON COVID-19 DE GRADO MODERADO. A RANDOMISED, D. PI: ESTRADA PÉREZ, VICENTE."

ECL.21/224. RESPIRE - ENSAYO CLÍNICO MULTICÉNTRICO, ALEATORIZADO, DOBLE CIEGO Y CONTROLADO CON PLACEBO PARA EVALUAR LA SEGURIDAD Y LA EFICACIA DE ATR-002 EN PACIENTES ADULTOS HOSPITALIZADOS CON COVID-19" "RESPIRE - A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, MUL. PI: ESTRADA PÉREZ, VICENTE."

ECL.21/236. BICTEGRAVIR/FTC/TAF PARA EL TRATAMIENTO DE LA INFECCIÓN PRIMARIA POR HIV (BIC-PHI TRIAL). PI: DEL ROMERO GUERRERO, JORGE.

ECL.21/253. A descriptive, prospective, multi-country, multicentre study to assess performance of genital Herpes Simplex Virus-2 (HSV-2) related disease endpoints based on patient-reported health outcomes, self-swabbing collected via decentralised approach in patients. PI: AYERDI AGUIRREBENGOA, OSKAR.

ECL.21/487. REAL LIFE STUDY OF BICTEGRAVIR, EMTRICITABINE, AND TENOFOVIR ALAFENAMIDE IN HIV-1 INFECTED TREATMENT-NAIVE PATIENTS USING TEST AND TREAT STRATEGY. (BIC-NOW). PI: CABELLO CLOTET, NOEMI.

ECL.21/508. ADMINISTRACIÓN PRECOZ DE DEXAMETASONA EN PACIENTES HOSPITALIZADOS POR NEUMONÍA COVID-19 Y ALTO RIESGO DE EVOLUCIÓN A SÍNDROME DE DISTRÉS RESPIRATORIO AGUDO. PI: CABELLO CLOTET, NOEMI.

ECL.21/529. ESTUDIO PROSPECTIVO, MULTICÉNTRICO Y DE UN SOLO GRUPO PARA EVALUAR LA SEGURIDAD Y LA EFICACIA DEL TRATAMIENTO CON GLE/PIB DURANTE 8 SEMANAS EN ADULTOS Y ADOLESCENTES CON INFECCIÓN AGUDA POR EL VIRUS DE LA HEPATITIS C (VHC). PI: PUERTA LÓPEZ, TERESA.

ECL.21/530. ESTUDIO INTERVENCIÓN DE FASE II/III, DOBLE CIEGO, DE DOS GRUPOS PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE PF-07321332/RITONAVIR ADMINISTRADOS ORALMENTE Y COMPARADO CON PLACEBO EN PACIENTES ADULTOS SINTOMÁTICOS NO HOSPITALIZADOS CON COVID-19 QUE TENGAN. PI: ESTRADA PÉREZ, VICENTE.

ECL.21/652. ESTUDIO DE EXTENSIÓN EN UNA COHORTE DE PACIENTES ADULTOS CON INFECCIÓN POR SARS-COV-2 QUE PRECISABAN INGRESO HOSPITALARIO Y RECIBIERON TRATAMIENTO CON PLITIDEPSINA EN EL ESTUDIO APLICOV-PC. PI: ESTRADA PÉREZ, VICENTE.

ATHENS (FIS): Acute/Recent Infections and Reinfections by HCV in Men Having Sex with Men with and without HIV. PI: AYERDI AGUIRREBENGOA, OSKAR.

HTLV (FIS) ¿Es el HTLV-1 una infección de transmisión sexual?. PI: AYERDI AGUIRREBENGOA, OSKAR.

Estudio sobre vigilancia epidemiológica molecular de la infección por VIH-1 en España. PIBAZA CARACIOLLO, BEGOÑA.

PrEPare. Pre-exposure prophylaxis use in people newly diagnosed with HIV. Estudio multinacional para evaluar la prevalencia de la resistencia a los medicamentos contra el VIH antes del inicio del TAR, detectado por pruebas de resistencias en personas expuestas a la PrEP. Beneficio de la profilaxis pre-exposición (PrEP) en personas recién diagnosticadas con el VIH. PIVERA GARCIA, MAR.

Estudio GESIDA 8514: Estudio transversal de la coinfección VIH - VHC en España. Estudio Transversal de la Coinfección VIH-VHC en España - GESIDA 8514. PIDEL ROMERO GUERRERO, JORGE.

Controladores excepcionales de élite, Curación funcional" Estudio sobre la presencia de virus infecciosos en la sangre de pacientes infectados por el VIH, no progresores. PIDEL ROMERO GUERRERO, JORGE.

Causas biológicas del mantenimiento del linfogranuloma venéreo y las consecuencias en salud reproductiva de la epidemia de C. trachomatis. PIPUERTA LÓPEZ, TERESA.

Cohorte de la Red de Investigación del Sida en España (CoRIS). "Cohorte multicéntrica de personas adultas con infección por el VIH". PIDEL ROMERO GUERRERO, JORGE.

Perfil sociodemográfico, clínico y conductual de los nuevos diagnósticos de infección por el VIH en el Centro Sanitario Sandoval. PIDEL ROMERO GUERRERO, JORGE.

Diagnóstico concomitante de otras ITS en pacientes diagnosticados de mpox. PI: ORVIZ GARCÍA, EVA.

Estudio de patógenos ulcerativos a lesiones dérmicas procedentes de pacientes sospechosos de Monkeypox. PI: PEREZ GARCIA, JORGE ALFREDO.

ITS en adolescentes. PIVERA GARCIA, MAR.

Eficacia preventiva del TAR sobre la transmisión sexual y vertical del VIH. PIDEL ROMERO GUERRERO, JORGE.

Estudio sobre calidad de vida relacionada con la salud de las personas con infección por VIH de la cohorte de la Red de Investigación en SIDA en España (CoRIS-QoL) + Comprendiendo y mejorando la calidad de vida en la cohorte española de VIH. PIDEL ROMERO GUERRERO, JORGE.

Factores de riesgo asociados a resistencia antimicrobiana en microorganismos productos de infecciones de transmisión sexual: estudio fenotípico, genotípico y papel de la carga bacteriana/viral en el desarrollo de la enfermedad y su relación con la aparición de resistencias. PI: PEREZ GARCIA, JORGE ALFREDO.

MOVIE-CC: Sub-estudio MovieCC: Factores de riesgo para la infección del virus de la viruela del mono. Estudio de caso-control. PI: ORVIZ GARCÍA, EVA.

REMAIN: BREak-through infection following Monkeypox vAccinaton: Observational, prospective study. PI: ORVIZ GARCÍA, EVA.

Estudio CEME-22 Fundación SEIMC-GeSIDA. PI: ORVIZ GARCÍA, EVA.

VIMO: estudio de las características clínicas y microbiológicas del brote de viruela del simio, Madrid, Mayo 2022 (Estudio VIMO\_0522).. PI: ORVIZ GARCÍA, EVA.

VIMO RESPIRATORIO. PI: ORVIZ GARCÍA, EVA.

Cohorte de Mpox diagnosticados en CS Sandoval/HCSC: Características sociodemográficas, clínicas y conductuales de las personas con mpox Estudio SOCLIMPOX (MPOX-22/23. PI: ORVIZ GARCÍA, EVA.

21/538-EC\_M. ESTUDIO DE FASE II/III, ALEATORIZADO, DOBLE CIEGO, CON DOBLE SIMULACIÓN Y CONTROLADO CON PLACEBO PARA EVALUAR LA SEGURIDAD, EFICACIA Y TOLERABILIDAD DE 2 PAUTAS DE PF-07321332/RITONAVIR ADMINISTRADOS ORALMENTE PARA PREVENIR LOS SÍNTOMAS DE LA INFECCIÓN PO. PI: ESTRADA PÉREZ, VICENTE.

ECL.20/717. ESTUDIO DE FASE 2 ALEATORIZADO, DOBLE CIEGO Y CONTROLADO CON PLACEBO PARA EVALUAR LA SEGURIDAD Y EFICACIA DE AT-527 EN SUJETOS CON COVID-19 MODERADO. PI: ESTRADA PÉREZ, VICENTE.

ECL.21/537. ESTUDIO INTERVENCIÓN DE FASE II/III, DOBLE CIEGO, DE DOS GRUPOS PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE PF-07321332/RITONAVIR ADMINISTRADOS ORALMENTE Y COMPARADO CON PLACEBO EN PACIENTES ADULTOS SINTOMÁTICOS NO HOSPITALIZADOS CON COVID-19 QUE TENGAN. PI: ESTRADA PÉREZ, VICENTE.



## IIIA.10 Research on INA Infectious Disease

### Competitive funding

JRA.CPP.19. Contratación de investigadores predoctorales e investigadores posdoctorales 2019. PI: RAMOS AMADOR, JOSE TOMAS. Funding organisation: CONSEJERIA DE EDUCACIÓN, JUVENTUD Y DEPORTE.

### Non competitive funding

CONV16/155. RED ESPAÑOLA DE ENSAYOS CLÍNICOS PEDIÁTRICOS (RECLIP). PI: RAMOS AMADOR, JOSE TOMAS. Funding organisation: FUNDACION PARA EL FOMENTO DE LA INVESTIGACION SANITARIA Y BIOMEDICA DEL LA COMUNITAT VALENCIANA FISABIO.

ECL.14/540. ESTUDIO DE FASE III DE FOSFATO DE TEDIZOLID DURANTE SEIS DÍAS DE I. V. A ORAL EN COMPARACIÓN CON EL COMPARADOR DURANTE 10 DÍAS EN SUJETOS DE 12 A < 18 AÑOS CON IPPBc. PI: RAMOS AMADOR, JOSE TOMAS.

ECL.15/563. Estudio multicéntrico de fase IV, abierto, no aleatorizado para evaluar la inmunogenicidad y seguridad de Infanrix hexa® administrada como vacunación primaria en niños sanos, nacidos de madres que recibieron Boostrix® durante el embarazo o en el postparto. PI: RAMOS AMADOR, JOSE TOMAS.

ECL.17/487. SEGURIDAD NEUROCOGNITIVA DEL PERAMPANEL COMO TERAPIA AÑADIDA EN EPILEPSIA REFRACTARIA EN LA INFANCIA Y SU RELACIÓN CON EL SUEÑO. PI: GARCIA RON, ADRIAN.

ECL.18/382. Estudio fase 3 aleatorizado, abierto, para evaluar la Eficacia, Seguridad y Farmacocinética del tratamiento de Golimumab, un anticuerpo humano monoclonal anti-TNFα, administrado por vía subcutánea en pacientes pediátricos con Colitis Ulcerosa activa de mo. PI: BODAS PINEDO, ANDRÉS.

ECL.19/302. Estudio en fase II/III aleatorizado, doble ciego, controlado con palivizumab para evaluar la seguridad de MEDI8897, un anticuerpo monoclonal con una semivida prolongada frente al virus respiratorio sincitial, en niños de alto riesgo (MEDLEY)". PI: GONZALEZ MENCHEN, CRISTINA.

ECL.19/353(A). Estudio observacional multicéntrico de pacientes con parálisis cerebral infantil: aspectos neurológicos y nutricionales. PI: BODAS PINEDO, ANDRÉS.

ECL.19/353(B). Estudio observacional multicéntrico de pacientes con parálisis cerebral infantil: aspectos neurológicos y nutricionales. PI: GARCIA RON, ADRIAN.

ECL.20/556. Ensayo clínico de fase IIb para evaluar la seguridad, la tolerabilidad, y la inmunogenicidad de MenABCWY en lactantes sanos de 2 y 6 meses. PI: RAMOS AMADOR, JOSE TOMAS.

ECL.20/743. "Estudio de fase IV, con enmascaramiento único, aleatorizado, controlado y de varios países para evaluar la inmunogenicidad y seguridad de Infanrix hexa (DTPa-HBV-IPV/Hib) de GSK frente a Vaxelis (DTaP5-HBV-IPV-Hib) de DCM Vaccines BV, cuando se administra. PI: RAMOS AMADOR, JOSE TOMAS.

ECL.2016/023. Estudio multicéntrico de fase IV, abierto, no aleatorizado para evaluar la inmunogenicidad y seguridad de una dosis de recuerdo de Infanrix hexa® en niños sanos, nacidos de madres vacunadas con Boostrix® durante el embarazo o en el postparto inmediato. PI: RAMOS AMADOR, JOSE TOMAS.

ECL.2016/045. Estudio de fase Ib aleatorizado, parcialmente doble ciego, controlado con placebo para determinar la farmacocinética, seguridad y tolerabilidad de múltiples dosis de JNJ-53718678 administrado por vía oral en niños hospitalizados con infección por VRS. PI: RAMOS AMADOR, JOSE TOMAS.

ECL.2017/084. Estudio de fase 2, aleatorizado, doble ciego, controlado con placebo para evaluar la actividad antivírica, los resultados clínicos, la seguridad, la tolerabilidad y la farmacocinética de pautas de Lumicitabina (JNJ-64041575) de administración oral en lacta. PI: RAMOS AMADOR, JOSE TOMAS.

ECL.2018/109. Estudio para evaluar la seguridad, la reactividad y la inmunogenicidad de la vacuna experimental frente al virus respiratorio sincitial (VRS) de GSK Biologicals basada en proteínas virales codificadas

por un adenovector derivado del chimpancé (ChAd155. PI: RAMOS AMADOR, JOSE TOMAS.

ECL.2019/025. Estudio aleatorizado, doble ciego, de grupos paralelos, controlado con placebo, para evaluar la eficacia y seguridad de IBP-9414 en bebés prematuros de 500 - 1500 g de peso al nacer en la prevención de la enterocolitis necrosante - El estudio Connection. PI: CRIADO VEGA, ENRIQUE.

ECL.21/117. UN ESTUDIO EN FASE 2 ALEATORIZADO, DOBLE CIEGO CONTROLADO CON PLACEBO DE 1 PARTES PARA EVALUAR LOS REGÍMENES DE ADP - 938 EN SUJETOS DE 28 DÍAS A 36 MESES INFECTADOS POR EL VIRUS SINCICIAL RESPIRATORIO (VSR). PI: RAMOS AMADOR, JOSE TOMAS.

ECL.21/439. ESTUDIO MULTICÉNTRICO, SIN ENMASCARAMIENTO, EN EL QUE SE EVALÚA LA FARMACOCINÉTICA Y LA SEGURIDAD DE BARICITINIB EN PACIENTES PEDIÁTRICOS (DESDE 1 AÑO HASTA MENOS DE 18 AÑOS DE EDAD) HOSPITALIZADOS CON COVID-19. A MULTICENTER OPEN-LABEL PHARMACOKINETIC. PI: RAMOS AMADOR, JOSE TOMAS."

JRA.C01ALO. El objeto del Convenio es establecer una colaboración en lo relativo al Proyecto de investigación titulado "Inmunogenicidad y efectividad de vacuna tetravalente frente a meningococo en niños y adolescentes con VIH". PI: RAMOS AMADOR, JOSE TOMAS. Funding organisation: FUNDACIÓN FAMILIA ALONSO.

## IIIA.11 Cell-biomaterial Interactions (BIO UCM)

### Competitive funding

Proyectos de I+D+i, Retos de la Sociedad. Nanomateriales regenerativos en escenarios de patología ósea: osteoporosis e infección. PI: Daniel Arcos y María Teresa Portolés. Funding Organisation: Ministerio de Economía y Competitividad.

H2020-FETOPEN-2018-2019-2020-01. A step forward to spinal cord injury repair using innovative stimulated nanoengineered scaffolds. PI: María Teresa Portolés. Funding Organisation: European Union´s Horizon 2020 research and innovation programme.

## IIIA.12 Immunology

### Competitive funding

CM20/00098. RRRH RIO HORTEGA: Kissy Guevara- Hoyer. PI: SÁNCHEZ RAMÓN, SILVIA. Funding organisation: INSTITUTO DE SALUD CARLOS III.

FI20/00246. CONTRATO PFIS: SUBHI-ISSA MARIN, NABIL ALBERTO. PI: SÁNCHEZ RAMÓN, SILVIA. Funding organisation: INSTITUTO DE SALUD CARLOS III.

FIS.191450. Desarrollo de medicina de precisión en el fallo gestacional recurrente de causa inflamatoria. PI: SÁNCHEZ RAMÓN, SILVIA. Funding organisation: INSTITUTO DE SALUD CARLOS III.

### Non competitive funding

ECL.20/243. FACTORES INMUNOLÓGICOS PREDICTIVOS EN PACIENTES CON INFECCIÓN ACTIVA FRENTE A SARS-COV-2 E INMUNODEFICIENCIA EN CÁNCER. PI: SÁNCHEZ RAMÓN, SILVIA. Funding organisation: SÁNCHEZ RAMÓN, SILVIA.

ECL.21/392. ESTUDIO MULTICÉNTRICO NACIONAL DE INMUNODEFICIENCIA SECUNDARIA SOBRE LA PRODUCCIÓN DE ANTICUERPOS FRENTE A LA VACUNA DE SALMONELLA TYPHI (SIMPATY-2). PI: SÁNCHEZ RAMÓN, SILVIA.

SSR.C01CRIS. Financiación del Proyecto "FACTORES INMUNOLÓGICOS PREDICTIVOS EN PACIENTES CON INFECCIÓN ACTIVA FRENTE A SARS-COV-2 E INMUNODEFICIENCIA EN CÁNCER". PI: SÁNCHEZ RAMÓN, SILVIA. Funding organisation: FUNDACION CRIS DE INVESTIGACION PARA VENCER EL CANCER.



# Neuroscience

## NEC.1 Clinical and Neurobiological Research in Psychiatry and Mental Health

### Competitive funding

PI20/00216. Estudio longitudinal de una cohorte representativa: superando la heterogeneidad clínica y biológica en primeros episodios psicóticos. PI: FRAGUAS HERRAEZ, DAVID. Funding organisation: INSTITUTO DE SALUD CARLOS III.

### Non competitive funding

BRP.M03JAN. Financiación estudio "DEPSTAGE: Adecuación del tratamiento de la Depresión a una guía de práctica clínica basada en un modelo de estadije de la enfermedad". PI: RENESSES PRIETO, BLANCA. Funding organisation: JANSSEN-CILAG S.A..

ECL.20/586. INDICA-MED: Information Discovery and Categorization based on language processing for the MEDical domain (Descubrimiento de Información y Categorización basada en Procesamiento del Lenguaje para el dominio Médico). PI: SEVILLA LLEWELLYN-JONES, JULIA.

ECL.20/706. ESTUDIO LONGITUDINAL DE UNA COHORTE DE PRIMEROS EPISODIOS PSICÓTICOS (COHORTE COPEP-CIBERSAM). PI: FRAGUAS HERRAEZ, DAVID.

## NEC.2 Advanced Research in Personality Disorders, Aggression and Impulse Control

### Competitive funding

FIS.191256. Prevención e Intervención en Suicidio (SURVIVE): estudio cohorte y ensayos clínicos-controlados anidados de programas de prevención secundaria para intentos de suicidio. PI: DÍAZ MARSÁ, MARINA FRANCISCA. Funding organisation: INSTITUTO DE SALUD CARLOS III.

MDM.F01FAK21. Eficacia de un programa de intervención para reducir la conducta suicida en adolescentes con trastornos psiquiátricos: Un estudio controlado aleatorizado (SAM-PSYC). PI: DÍAZ MARSÁ, MARINA FRANCISCA. Funding organisation: FUNDACION ALICIA KOPLOWITZ.

MDM.PAID.17. AMBIENTE Y GENES EN ESQUIZOFRENIA (AGES-CM 2). PI: DÍAZ MARSÁ, MARINA FRANCISCA. Funding organisation: CONSEJERIA DE EDUCACIÓN, JUVENTUD Y DEPORTE.

PI20/01471. Investigación de la asociación fenotípica y endofenotípica del trastorno límite de la personalidad y los trastornos del espectro autista. PI: CARRASCO PERERA, JOSÉ LUIS. Funding organisation: INSTITUTO DE SALUD CARLOS III.

### Non competitive funding

ECL.17/152. Aripiprazol una vez al mes frente al tratamiento antipsicótico atípico oral una vez al día en pacientes con esquizofrenia de aparición reciente: estudio observacional, no intervencionista. PI: DÍAZ MARSÁ, MARINA FRANCISCA.

ECL.20/095. ESTUDIO DE LA ASOCIACIÓN FENOTÍPICA Y ENDOFENOTÍPICA DEL TRASTORNO LIMITE DE LA PERSONALIDAD CON LOS TRASTORNOS DEL ESPECTRO AUTISTA". PI: CARRASCO PERERA, JOSÉ LUIS.

## NEC.3 Psychoneuroendocrinology, Molecular Neuroimaging and Genetics in Neuropsychiatric Diseases

### Competitive funding

H2020- SCI-BHC-06-2020-964220. AI-MIND. Desarrollo de herramientas de diagnóstico inteligentes para predecir, en una fase temprana, quién tiene probabilidades de desarrollar demencia. PI: Ira Hareldsen (Fernando Maestú España) Unión Europea H2020.

PID2020-114006GA-I00. Inhibitory control over memory and depressive ruminations. Neurocognitive underpinnings of a vulnerability factor for the onset and maintenance of depression (RumTNT). PI: Javier Pacios. Funding organisation: Ministerio de Ciencia.

PID2021-122979OB-C22. EFICACIA DE LA INTERVENCION COMBINADA (COGNITIVA Y ESTIMULACION ELECTRICA TRANSCRANEAL) EN FAMILIARES DE EA Y ANCIANOS CON DCS: COGNICION, GENETICA Y RMI. PI: Ramón López-Higes y María Luisa Delgado. Funding organisation: Ministerio de Ciencia e Innovación..

eBRAIN-Health) (101058516. Actionable Multilevel Health. PI: María Eugenia Lopez-Fernando Maestu. Funding organisation: Unión Europea.

826421. Personalized Recommendations for Neurodegenerative Disease (VirtualBrainCloud). PI: Petra Riter-María Eugenia Lopez. Funding organisation: Unión Europea.

Interpreting MEG Biomarkers of Alzheimer's Progression with Human Neocortical Neurosolver. PI: Fernando Maestu. Funding organisation: European Union – National Science Foundation (USA) (NIH) .

MSCA-RISE-2020 101007521. Technologyb for Multimodal inter-Brain Dynamics Investigation (EMBRACE). PI: Fernando Maestu. Funding organisation: Unión Europea.

SCI-DTH-07-2018 826421. The VirtualBrainCloud. Personalized Recommendations for Neurodegenerative Disease (TVB-Cloud). PI: Fernando Maestu. Funding organisation: Unión Europea.

HORIZON-INFRA-2021-TECH-01-01-101058516. Connectomics in Brain Aging and Dementia (CBA). PI: Fernando Maestu. Funding organisation: Unión Europea.

PID2021-122979OB-C21. Eficacia de la intervención combinada en cognición y neuromodulación en familiares de EA y ancianos con QSC: cognición, genética y RM. PI: Fernando Maestu. Funding organisation: Ministerio Ciencia e Innovación.

### Non competitive funding

562-2021. Cerveza en el Siglo XXI. Impacto nutricional. PI: Ortega RM, González-Rodríguez LG. Funding organisation: Asociación De Cerveceros De España.

429-2021. Estudio de prevalencia de obesidad infantil en el país vasco. Subanálisis del estudio ALADINO 2019. PI: AM Lopez-Sobaler. Funding organisation: Demométrica, Investigación De Mercados y Opinión Pública, S.L.

289-2021. Recomendaciones de ingesta de huevo en población infantil española y análisis de las posibles declaraciones de propiedades saludables dirigidas a población infantil.. PI: AM Lopez-Sobaler. Funding organisation: INPROVO (Organización Interprofesional Del Huevo Y Sus Productos).

(PAR-19-070). Digital Technology for Early Detection of Alzheimer's Disease and Related Dementias. PI: Fernando Maestu. Funding organisation: Research on Current Topics in Alzheimer's Disease and Its Related Dementias (RO1, NIH-USA) del NIH (SU) .

## NEC.6 Neurological Diseases

### Competitive funding

AGS.MIS.21. Estudio de las alteraciones del metabolismo lipídico en Esclerosis Lateral Amiotrófica (ELA) y la Demencia Fronto-Temporal (DFT): trabajando en prevención. PI: GUERRERO SOLA, ANTONIO. Funding organisation: CONSEJERIA DE SANIDAD.

F120/00145. CONTRATOS PFIS: MARIA VALLES SALGADO. PI: MATÍAS-GUIU ANTEM, JORDI. Funding organisation: INSTITUTO DE SALUD CARLOS III.

FIS.191260. EVALUACIÓN NEUROPSICOLÓGICA TRANSCULTURAL. PI: MATÍAS-GUIU ANTEM, JORDI. Funding organisation: INSTITUTO DE SALUD CARLOS III.

"ICI20/00074. AMANTADINA Y ESTIMULACIÓN MAGNÉTICA TRANSCRANEAL PARA FATIGA EN LA ESCLEROSIS

MULTIPLE: ENSAYO FASE III, CONTROLADO, RANDOMIZADO, CRUZADO Y DOBLE CIEGO. PI: MATÍAS-GUIU GUIA, JORGE. Funding organisation: INSTITUTO DE SALUD CARLOS III."

INT20/00079. CONTRATOS PARA LA INTENSIFICACIÓN DE LA ACTIVIDAD INVESTIGADORA EN EL SNS: Jordi Matías-guiu. PI: MATÍAS-GUIU ANTEM, JORDI. Funding organisation: INSTITUTO DE SALUD CARLOS III.

JMA.MIS.21. Sintomatología cognitiva post-COVID: detección precoz de enfermedades neurodegenerativas. PI: MATÍAS-GUIU ANTEM, JORDI. Funding organisation: CONSEJERIA DE SANIDAD.

SCS.CPP.19. Contratación de investigadores predoctorales e investigadores posdoctorales 2019. PI: CORROCHANO SÁNCHEZ, SILVIA. Funding organisation: CONSEJERIA DE EDUCACIÓN, JUVENTUD Y DEPORTE.

SCS.MICINN.20. Descifrando el papel causal del metabolismo lipídico en la aparición de las alteraciones clínicas en el espectro de enfermedades ELA y DFT. PI: CORROCHANO SÁNCHEZ, SILVIA. Funding organisation: MINISTERIO DE CIENCIA E INNOVACION.

SCS.TALENTO.18. IDENTIFYING BMI-ASSOCIATED PATHWAYS THAT CONFER PROTECTION IN ALS. PI: CORROCHANO SÁNCHEZ, SILVIA. Funding organisation: CONSEJERIA DE EDUCACIÓN, JUVENTUD Y DEPORTE.

### Non competitive funding

ECL.13/439. ENSAYO SOBRE LA INHIBICIÓN PLAQUETARIA EN EL AIT Y EL ACCIDENTE CEREBROVASCULAR ISQUEMICO MENOR DE RECIN APARICIÓN. PI: EGIDO HERRERO, JOSÉ ANTONIO.

ECL.14/393. Estudio aleatorizado y doble ciego para evaluar la eficacia y la seguridad del inhibidor de la trombina oral dabigatrán etexilato (110 mg o 150 mg dos veces al día por vía oral) frente al ácido acetilsalicílico (100 mg una vez al día por vía oral) en la p. PI: EGIDO HERRERO, JOSÉ ANTONIO.

ECL.15/225. Estudio multicéntrico, con tratamiento ciego y de fase IIIb para evaluar si el ajuste de la dosis al alza de Tecfidera® durante 6 semanas es eficaz para reducir la incidencia de acontecimientos adversos gastrointestinales en pacientes con esclerosis múltiple. PI: MATÍAS-GUIU GUIA, JORGE.

ECL.19/524. DECIPHERING THE CAUSAL ROLE OF LIPID METABOLIC ALTERATIONS IN FRONTOTEMPORAL DEMENTIA AND AMYOTROPHIC LATERAL SCLEROSIS SPECTRUM DISORDERS. ESTUDIO DE LAS ALTERACIONES DEL METABOLISMO DE LAS GRASAS EN LAS ENFERMEDADES ESCLEROSIS LATERAL AMIOTROFICA (ELA) Y. PI: CORROCHANO SÁNCHEZ, SILVIA. Funding organisation: CORROCHANO SÁNCHEZ, SILVIA."

ECL.20/007-II. PROYECTO TIPO II: "ESTUDIO DE SEGURIDAD Y EFICACIA PRELIMINAR DEL MEDICAMENTO HC045 (principio activo células HC016) EN UN MODELO EXPERIMENTAL DE INCONTINENCIA URINARIA". PI: GÓMEZ PINEDO, ULISES ALFONSO.

ECL.20/192. Ensayo de fase 2 para investigar la eficacia, la seguridad y la tolerabilidad de efgartigimod PH20 SC en pacientes adultos con

polineuropatía desmielinizante inflamatoria crónica (PDIC)// A Phase 2 Trial to Investigate the Efficacy, Safety, and Tolerability. PI: GUERRERO SOLA, ANTONIO.

ECL.20/212. Open-label Extension of the ARGX-113-1802 Trial to Investigate the Long-term Safety, Tolerability, and Efficacy of Efgartigimod PH20 SC in Patients with Chronic Inflammatory Demyelinating Polyneuropathy (CIDP) // Extensión abierta del ensayo ARGX-113-1802. PI: GUERRERO SOLA, ANTONIO.

ECL.20/217. Estudio aleatorizado, doble ciego, controlado con placebo, multicéntrico, para evaluar la seguridad, la tolerabilidad y la eficacia del XEN1101 como tratamiento adyuvante en la epilepsia de inicio focal, con una extensión abierta". PI: GARCÍA MORALES, IRENE.

ECL.20/333. "A Randomized, Double-blind, Placebo-controlled, Parallel-group, Multicenter Study to Assess the Efficacy and Safety of JNJ-63733657, an Anti-tau Monoclonal Antibody, in Participants with Early Alzheimer's Disease / Estudio aleatorizado, multicéntrico, do. PI: MATÍAS-GUIU GUIA, JORGE.

ECL.20/347. Estudio de fase III multicéntrico, aleatorizado, doble ciego, controlado con placebo y de grupos paralelos para evaluar la eficacia, seguridad y tolerabilidad de atogepant por vía oral para la profilaxis de la migraña en participantes con migraña ocasional. PI: PORTA ETESSAM, JESÚS.

ECL.20/625. Estudio de extensión abierto, multicéntrico y con tratamiento activo de 57 semanas de CVL-865 como tratamiento complementario en adultos con crisis convulsivas de inicio focal resistentes a los fármacos. PI: GARCÍA MORALES, IRENE.

ECL.20/649. Programa de vigilancia de embarazos con patisirán-NPL PSP. PI: GALÁN DÁVILA, LUCÍA.

ECL.20/773. ESTUDIO OBSERVACIONAL, MULTICÉNTRICO, TRANSVERSAL PARA DESCRIBIR EL MANEJO TERAPEUTICO Y DIAGNÓSTICO DEL PACIENTE CON NARCOLEPSIA EN ESPAÑA EN LA PRÁCTICA CLÍNICA HABITUAL. PI: MARTÍNEZ OROZCO, FRANCISCO JAVIER.

ECL.2016/046. ESTUDIO DE EXTENSIÓN, MULTICÉNTRICO Y ABIERTO, PARA EVALUAR LA EFICACIA Y LA SEGURIDAD A LARGO PLAZO DE PATISRÁN EN PACIENTES CON POLINEUROPATIA AMILOIDOTICA FAMILIAR QUE HAN COMPLETADO UN ESTUDIO CLINICO ANTERIOR CON PATISRÁN. PI: GALÁN DÁVILA, LUCÍA.

ECL.2019/034. Estudio de fase 3, aleatorizado, doble ciego, controlado con placebo y multicéntrico para evaluar la seguridad y la eficacia de ravulizumab en pacientes adultos sin tratamiento previo con inhibidores del complemento con miastenia gravis generalizada. PI: GUERRERO SOLA, ANTONIO.

ECL.2019/080. "ESTUDIO EN FASE III, ALEATORIZADO, CON DOBLE ENMASCARAMIENTO Y CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE ROZANOLIXIZUMAB EN PACIENTES ADULTOS CON MIASTENIA GRAVIS GENERALIZADA / A PHASE 3, RANDOMIZED, DOUBLE-BLIND, PLACEBOCONTROLLED. PI: GUERRERO SOLA, ANTONIO.

ECL.2019/125. Multicenter, randomized, placebo-controlled, double-blind, parallel group, dose-finding Phase 2 study to evaluate efficacy and safety of BAY 2433334 in patients following an acute non-cardioembolic ischemic stroke. PI: EGIDO HERRERO, JOSÉ ANTONIO.

ECL.2019/148. Estudio de fase 2, aleatorizado y controlado con placebo para evaluar la seguridad, la tolerabilidad y la eficacia de TAK-079 en pacientes con miastenia grave generalizada. PI: GUERRERO SOLA, ANTONIO.

ECL.2019/150. "A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, PARALLEL GROUP, MULTICENTER TRIAL OF CVL-865 AS ADJUNCTIVE THERAPY IN ADULTS WITH DRUG-RESISTANT FOCAL ONSET SEIZURES (REALIZE TRIAL)". PI: GARCÍA MORALES, IRENE.

ECL.2019/155. Estudio en fase III, global, abierto y aleatorizado para evaluar la eficacia y la seguridad de ION-682884 en pacientes con polineuropatía amiloidótica familiar por transtiretina. PI: GALÁN DÁVILA, LUCÍA.

ECL.21/067. ESTUDIO DE FASE III, MULTICÉNTRICO, ALEATORIZADO, CON DOBLE ENMASCARAMIENTO Y CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA, LA SEGURIDAD Y LA TOLERABILIDAD DEL PXT3003 EN LA ENFERMEDAD DE CHARCOT-MARIE-TOOTH DE TIPO 1A (CMT1A). PI: HORGA HERNÁNDEZ, ALEJANDRO.

ECL.21/210. ESTUDIO EN FASE III, MULTICÉNTRICO, ALEATORIZADO, CON ENMASCARAMIENTO DOBLE Y COMPARADO CON PLACEBO DE EFICACIA, SEGURIDAD Y EFECTOS EN BIOMARCADORES DE ALZ-801 EN PACIENTES CON ENFERMEDAD DE ALZHEIMER PREMATURA Y GENOTIPO APOE4/4/". "A PHASE 3, MULTICENT. PI: MATÍAS-GUIU GUIA, JORGE."

ECL.21/447. ESTUDIO OBSERVACIONAL EN PACIENTES CON MIGRAÑA TRATADOS CON GALCANEZUMAB EN LA PRACTICA CLÍNICA HABITUAL EN ESPAÑA. OBSERVATIONAL STUDY IN PATIENTS WITH MIGRAINE TREATED WITH GALCANEZUMAB IN USUAL CLINICAL PRACTICE IN SPAIN. PI: PORTA ETESSAM, JESÚS.

LGD.M01ALN. Convenio colaboración económica para la realización del estudio DETECCIÓN PRECOZ DE LAS ALTERACIONES NEUROLÓGICAS EN HATTR. PI: GALÁN DÁVILA, LUCÍA. Funding organisation: ALNYLAM PHARMACEUTICALS, INC. "UGP.M01HIS. Evaluación del efecto de células troncales mesenquimales de tejido adiposo expandidas (e-ASCs) aplicadas intraparénquima a nivel cervical tras laminectomía. PI: GÓMEZ PINEDO, ULISES ALFONSO. Funding organisation: HISTOCELL S.L."

## NEC.7 Research group on environmental factors in degenerative diseases

### Competitive funding

EUR.3TR. Taxonomy, Treatment, Targets and Remission. Identification of the Molecular Mechanisms of non-response to Treatments, Relapses and Remission in Autoimmune, Inflammatory, and Allergic Conditions. PI: ÁLVAREZ LAFUENTE, ROBERTO. Funding organisation: COMISIÓN EUROPEA.

FPU16/SPP. RRHH "FPU" Silvia Pérez Pérez. PI: ÁLVAREZ LAFUENTE, ROBERTO. Funding organisation: CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS CSIC.

FPU20/00132. FPU María Celeste García-Frontini Nieto. PI: ÁLVAREZ LAFUENTE, ROBERTO. Funding organisation: MINISTERIO DE CIENCIA E INNOVACION.

RALC02EME. Lactic acid and metabolites from gut microbiota in primary progressive multiple sclerosis patients. PI: ÁLVAREZ LAFUENTE, ROBERTO. Funding organisation: ASOCIACIÓN ESCLEROSIS MÚLTIPLE ESPAÑA.

### Non competitive funding

RALC02SAN. PROYECTO PARA MEJORAR EL CUIDADO DE LA SALUD DE LOS PACIENTES CON EM MEDIANTE LA DETECCIÓN DEL EFECTO DE LOS TRATAMIENTOS MODIFICADORES DE LA ENFERMEDAD EN LA DISMINUCIÓN DE LA CARGA VIRAL DE EBV Y HHV-6. PI: ÁLVAREZ LAFUENTE, ROBERTO. Funding organisation: SANOFI AVENTIS, S.A..

RAG.F01MERCK. ANTICUERPOS NEUTRALIZANTES (AcN) EN PACIENTES CON ESCLEROSIS MÚLTIPLE TRATADOS CON INTERFERON BETA Y SU APLICACION EN LA PRACTICA CLINICA DIARIA. PI: ÁLVAREZ LAFUENTE, ROBERTO. Funding organisation: MERCK, S.L.U.

RAG.F02LAIR. MARCADORES PRONÓSTICOS EN PACIENTES CON SÍNDROME CLÍNICAMENTE AISLADO. CONVERSIÓN EN ESCLEROSIS MÚLTIPLE DEFINIDA Y EVOLUCIÓN DE LA ENFERMEDAD. PI: ÁLVAREZ LAFUENTE, ROBERTO. Funding organisation: FUNDACION LAIR.

## NEC.9 Brain Mapping

### Competitive funding

PID2019-106968RB-I00. Implicación de la reactividad glial en epileptogénesis mediante estudios longitudinales de neuroimagen PET-MRI. PI: POZO GARCÍA, MIGUEL ÁNGEL. Funding organisation: MINISTERIO DE CIENCIA E INNOVACIÓN.

## NEC.18 Research in Glaucoma, Retina and Visual Pathways

### Competitive funding

FIS.191431. ANALISIS DE LAS BASES GENÉTICAS Y MOLECULARES DEL GLAUCOMA CONGENITO Y JUVENIL:IMPICACIONES DIAGNÓSTICAS Y TERAPEÚTICAS. PI: MARTÍNEZ DE LA CASA FERNÁNDEZ BORRELLA,

JOSÉ MARÍA. Funding organisation: INSTITUTO DE SALUD CARLOS III.

RED.16/0008/0004. RED OFTARED. PI: GARCÍA FEIJOÓ, JULIÁN. Funding organisation: INSTITUTO DE SALUD CARLOS III.

### Non competitive funding

ECL.14/039. ESTUDIO DE VIGILANCIA A LARGO PLAZO DE LATANOPROST PARA CONTROLAR LOS CAMBIOS DE HIPERPIGMENTACIÓN OCULAR EN POBLACIONES PEDIÁTRICAS. PI: GARCÍA FEIJOÓ, JULIÁN.

ECL.14/514. Análisis retrospectivo de pacientes tratados con ozurdex® por oclusión de la vena retiniana (OVR). PI: JIMENEZ SANTOS, MARIA AURELIA.

ECL.18/277. ENSAYO CLÍNICO PROSPECTIVO, ABIERTO, MULTICÉNTRICO CON UNA COHORTE PARA ANALIZAR LA EFICACIA Y LA SEGURIDAD DEL MINIJET EN PACIENTES EUROPEOS CON GLAUCOMA DE ÁNGULO ABIERTO NO CONTROLADO CON MEDICAMENTOS HIPOTENSORES TÓPICOS. PI: GARCÍA FEIJOÓ, JULIÁN.

ECL.19/411. Estudio de los niveles de citoquinas y resultado quirúrgico del implante PRESERFLO Microshumt en la cirugía de glaucoma. PI: GARCÍA FEIJOÓ, JULIÁN.

ECL.20/290. Investigación clínica para valorar la eficacia y la seguridad del gel oftálmico VisuXL® administrado a pacientes afectados por el síndrome del ojo seco (SOS) moderado: un estudio aleatorizado, doble ciego cruzado. "Clinical Investigation to assess the eff. PI: BENÍTEZ DEL CASTILLO SÁNCHEZ, JOSÉ MANUEL.

ECL.20/493. Estudio básico de investigación en humanos de nuevas variables relacionadas con el glaucoma e identificación de poblaciones óptimas de pacientes para ensayos de neuroprotección. PI: GARCÍA FEIJOÓ, JULIÁN.

ECL.20/621. REGISTRO DE INFECCIONES CORNEALES ASOCIADAS AL USO DE LENTES DE CONTACTO. PI: ARRIOLA VILLALOBOS, PEDRO.

ECL.20/691. ESTUDIO MULTICÉNTRICO, ALEATORIZADO, CON ENMASCARAMIENTO DOBLE, EN 2 GRUPOS PARALELOS Y DE 52 SEMANAS DE DURACIÓN PARA COMPARAR LA EFICACIA, SEGURIDAD E INMUNOGENICIDAD DE SOK583A1 RESPECTO A EYLEA® ADMINISTRADO DE FORMA INTRAVÍTEA EN PACIENTES CON DEGEN. PI: DONATE LÓPEZ, JUAN.

ECL.20/745. "UN ENSAYO CLÍNICO PROSPECTIVO, ABIERTO, MULTICÉNTRICO QUE ANALIZA LA EFICACIA Y LA SEGURIDAD DEL MINIJET (MINI SO627) EN PACIENTES CON GLAUCOMA DE ÁNGULO ABIERTO NO CONTROLADO POR FÁRMACOS HIPOTENSORES TÓPICOS UTILIZANDO UN SISTEMA DE INSERCIÓN MODIFICAD. PI: GARCÍA FEIJOÓ, JULIÁN.

ECL.20/788. "Evaluación de la eficacia y seguridad de las gotas oftálmicas T4030 frente a Ganfort® UD en pacientes con hipertensión ocular o glaucomatosos. Estudio de Fase III, internacional, multicéntrico, aleatorizado, 2 grupos paralelos, investigador enmascarado,. PI: MARTÍNEZ DE LA CASA FERNÁNDEZ BORRELLA, JOSÉ MARÍA."

ECL.2019/002. Ensayo de fase III, multinacional, multicéntrico, con enmascaramiento para el investigador, aleatorizado y controlado con tratamiento activo, que compara la eficacia y la seguridad de DE-130A con Xalatan® en pacientes con glaucoma de ángulo abierto o hípe. PI: GARCÍA FEIJOÓ, JULIÁN.

ECL.2019/139. A Randomized, Double-masked, Phase 3 Study of ABP 938 Efficacy and Safety Compared to Aflibercept (Eylea®) in Subjects with Neovascular Age-related Macular Degeneration. PI: LOPEZ GUAJARDO, LORENZO.

ECL.21/247. ESTUDIO RETROSPECTIVO DE LA EFICACIA Y SEGURIDAD DE PRESERFLO COMBINADO CON CATARATA. PI: MARTÍNEZ DE LA CASA FERNÁNDEZ BORRELLA, JOSÉ MARÍA.

JGF.C01MER. DESARROLLO DE ACTIVIDADES DE FORMACION Y ACTUALIZACIÓN CIENTÍFICA A LA COMUNIDAD OFTALMOLÓGICA A TRAVÉS DE LOS SEMINARIOS MENSUALES EN EL INSTITUTO RAMÓN CATROVIEJO. PI: GARCÍA FEIJOÓ, JULIÁN. Funding organisation: MERCK SHARP & DOHME DE ESPAÑA S.A.

ECL.19/102. Estudio de la progresión de la enfermedad en sujetos definidos genéticamente con atrofia geográfica secundaria a degeneración macular relacionada con la edad. PI: CALVO GONZÁLEZ, CRISTINA.

## NEC.20 Neurotransmission and Neuromodulation in the Central and Peripheral Nervous System

### Competitive funding

PID2020-114030RB-I00. ESTRATEGIAS DE RESCATE DE LA PLASTICIDAD SINÁPTICA Y FUNCIÓN CEREBELAR EN UN RATÓN MODELO DEL SÍNDROME DEL X FRÁGIL. PI: Magdalena Toores y Ricardo Martín. Funding organisation: Agencia Estatal de Investigación (Ministerio de Ciencia e Innovación).

UCJC 2021-18. Optimization of contilisant: design, synthesis, and biological evaluation. PI: Francisco López Muñoz/José Luis Marco Contelles. Funding organisation: Universidad Camilo José Cela.

OPTIMIZACIÓN DE MC903, UNA QUINOLILNITRONA PARA LA TERAPIA COMBINADA DE LA ENFERMEDAD DE ALZHEIMER Y LA ISQUEMIA CEREBRAL. PI: María Jesús Oset-Gasque y José Luis Marco Contelles. Funding organisation: Universidad Camilo José Cela.

## NEC.22 Pathophysiology and INA Neurological Therapeutics (NEURO-INA-IN)

### Competitive funding

CM20/00134. RRHH RIO HORTEGA: Niki Oikonomopoulou. PI: MARTINEZ ORGADO, JOSE. Funding organisation: INSTITUTO DE SALUD CARLOS III.

CSB.ADQ.16. CIRUGÍA EN LA UNIDAD DE CUIDADOS INTENSIVOS NEONATALES. CÓMO HACER MÁS SEGURO LO DIFÍCIL. PI: SOTO BEAUREGARD, CARMEN. Funding organisation: FUNDACIÓN AD QUALITATEM.

EUR.M01TRECOCAPA. Prophylactic treatment of the ductus arteriosus in preterm infants by acetaminophen. PI: CORREDERA SANCHEZ, ARACELI. Funding organisation: COMISIÓN EUROPEA.

FIS.190927. LA UNIDAD NEUROVASCULAR COMO DIANA TERAPEUTICA PARA PREVENIR LAS SECUELAS DEL INFARTO ARTERIAL CEREBRAL ISQUEMICO NEONATAL EN UN MODELO EN RATA. PI: MARTINEZ ORGADO, JOSE. Funding organisation: INSTITUTO DE SALUD CARLOS III.

INT20/00047. CONTRATOS PARA LA INTENSIFICACIÓN DE LA ACTIVIDAD INVESTIGADORA EN EL SNS: Jose Martínez Orgado. PI: MARTINEZ ORGADO, JOSE. Funding organisation: INSTITUTO DE SALUD CARLOS III.

JMO.YEI.20. Ayudas para la contratación de ayudantes de investigación y técnicos de laboratorio cofinanciadas por el Fondo Social Europeo a través del Programa Operativo de Empleo Juvenil y la Iniciativa de Empleo Juvenil (YEI). PI: MARTINEZ ORGADO, JOSE. Funding organisation: CONSEJERÍA DE EDUCACIÓN, JUVENTUD Y DEPORTE.

### Non competitive funding

ECL.11/384. Recién nacidos con edad gestacional extremadamente baja asignados al azar, a ciegas, para ser resucitados resucitado con un 30% frente al 60% de oxígeno: influencia sobre la mortalidad y las enfermedades crónicas en el periodo neonatal. PI: ARRUZA GÓMEZ, LUIS.

ECL.14/542. EVALUACIÓN ABIERTA DEL PERFIL FARMACOCINETICO POBLACIONAL, DE LA SEGURIDAD, DE LA TOLERABILIDAD Y DE LA EFICACIA DE TAPENTADOL EN SOLUCIÓN INYECTABLE INTRAVENOSA PARA EL TRATAMIENTO DEL DOLOR POSTQUIRURGICO EN NIÑOS DESDE EL NACIMIENTO HASTA MENOS DE 2 AÑ. PI: SOTO BEAUREGARD, CARMEN.

ECL.17/319. UTILIDAD DE LA DIETA CETOGENICA DE INICIO PRECOZ EN CRISIS DE DIFÍCIL CONTROL EN PACIENTES PEDIÁTRICOS. PI: VECINO LOPEZ, RAQUEL.

ECL.19/301. Estudio en fase III aleatorizado, doble ciego, controlado con placebo para evaluar la seguridad y la eficacia de MEDI8897, un anticuerpo monoclonal con una semivida prolongada frente al virus respiratorio sincitial, en bebés sanos nacidos prematuros tardí. PI: MARTINEZ ORGADO, JOSE.

ECL.19/304. Ensayo aleatorizado de dosis única en pauta ascendente, controlado con placebo y con doble enmascaramiento para evaluar la seguridad, la tolerabilidad y la farmacocinética del GWP42003-P junto con la hipotermia terapéutica en recién nacidos con encefalopa. PI: MARTINEZ ORGADO, JOSE.

ECL.20/550. Estudio multicéntrico, aleatorizado, con enmascaramiento doble, controlado con placebo, de grupos paralelos para comparar la eficacia, la seguridad y la tolerabilidad de la administración subcutánea de fremanezumab, comparado con placebo, como tratamiento. PI: DE SANTOS MORENO, TERESA.

ECL.20/557. Estudio multicéntrico, aleatorizado, con enmascaramiento doble, controlado con placebo, de grupos paralelos para comparar la eficacia, la seguridad y la tolerabilidad de la administración subcutánea de fremanezumab, comparado con placebo como tratamiento. PI: DE SANTOS MORENO, TERESA.

ECL.20/558. "Estudio multicéntrico, abierto, para evaluar la seguridad, la tolerabilidad y la eficacia a largo plazo de la administración subcutánea mensual de fremanezumab, como tratamiento preventivo de las migrañas crónicas y episódicas en niños de entre 6 y 17 años. PI: DE SANTOS MORENO, TERESA.

ECL.2017/036. Estudio de fase IIb aleatorizado, doble ciego, controlado con placebo para evaluar la seguridad y la eficacia de MEDI8897, un anticuerpo monoclonal con una semivida prolongada frente al virus respiratorio sincitial, en prematuros sanos. PI: MARTINEZ ORGADO, JOSE.

ECL.2019/067. Estudio abierto con fase de extensión para evaluar la eficacia y la seguridad de perampanel administrado como tratamiento complementario en sujetos pediátricos (de 1 mes a menos de 18 años de edad) con epilepsia infantil. PI: DE SANTOS MORENO, TERESA.

ECL.21/136. DISFAGIA OROFARÍNGEA EN EL NIÑO PEQUEÑO. GRAVEDAD DE LA DISFAGIA Y ESTADO NUTRICIONAL AL DIAGNÓSTICO Y TRAS MANEJO POR UN EQUIPO MULTIDISCIPLINAR QUE INCLUYA UN LOGOPEDA PEDIÁTRICO. PI: VECINO LOPEZ, RAQUEL."

JMO.F01NAN. Proyecto "New experimental treatments for the prevention of acquired brain damage in newborns". PI: MARTINEZ ORGADO, JOSE. Funding organisation: THE NANDO AND ELSA PERETTI FOUNDATION.



# Oncology

## ONC.1 Clinical and Translational Research in Oncology

### Competitive funding

AOF.YE1.20. Ayudas para la contratación de ayudantes de investigación y técnicos de laboratorio cofinanciadas por el Fondo Social Europeo a través del Programa Operativo de Empleo Juvenil y la Iniciativa de Empleo Juvenil (YEI). PI: OCAÑA FERNANDEZ, ALBERTO. Funding organisation: CONSEJERIA DE EDUCACIÓN, JUVENTUD Y DEPORTE.

FI20/00186. CONTRATOS PFIS: ADRIÁN SANVICENTE GARCIA. PI: OCAÑA FERNANDEZ, ALBERTO. Funding organisation: INSTITUTO DE SALUD CARLOS III.

FIS.181020. Papel de los exosomas como reguladores epigenéticos en el microambiente tumoral ¿Posibilidad de revertir el microambiente tumoral activo?. PI: GARCÍA BARBERÁN, VANESA. Funding organisation: INSTITUTO DE SALUD CARLOS III.

FIS.190808. NUEVAS TERAPIAS CONTRA BROMODOMINIOS EN CANCER DE MAMA TRIPLE NEGATIVO Y HER2 POSITIVO. PI: OCAÑA FERNANDEZ, ALBERTO. Funding organisation: INSTITUTO DE SALUD CARLOS III.

FIS.191366. Diagnóstico molecular avanzado de la poliposis adenomatosa tipo X: análisis de mosaicismo genético. PI: GARRE RUBIO, PILAR. Funding organisation: INSTITUTO DE SALUD CARLOS III.

INT20/00075. CONTRATOS PARA LA INTENSIFICACIÓN DE LA ACTIVIDAD INVESTIGADORA EN EL SNS: Alberto Ocaña. PI: OCAÑA FERNANDEZ, ALBERTO. Funding organisation: INSTITUTO DE SALUD CARLOS III.

JMS.C01FIU. Estilos de vida y nutrición asociados a la Hiperplasia Benigna de Próstata. Estudio caso control de base poblacional. PI: MORENO SIERRA, JESÚS. Funding organisation: FUNDACIÓN PARA LA INVESTIGACIÓN EN UROLOGÍA (FIU).

JSV.PAID.17. INMUNIDAD TUMORAL E INMUNOTERAPIA DEL CANCER. IMMUNOTHERCAN-CM. PI: PÉREZ-VILLAMIL SALGADO, BEATRIZ. Funding organisation: CONSEJERIA DE EDUCACIÓN, JUVENTUD Y DEPORTE.

MHM.YE1.20. Ayudas para la contratación de ayudantes de investigación y técnicos de laboratorio cofinanciadas por el Fondo Social Europeo a través del Programa Operativo de Empleo Juvenil y la Iniciativa de Empleo Juvenil (YEI). PI: DE LA HOYA MANTECÓN, MIGUEL. Funding organisation: CONSEJERIA DE EDUCACIÓN, JUVENTUD Y DEPORTE.

PI20/00110. Regulación del splicing en respuesta a daños en el DNA: implicaciones clínicas en cáncer de mama y ovario hereditario. PI: DE LA HOYA MANTECÓN, MIGUEL. Funding organisation: INSTITUTO DE SALUD CARLOS III.

### Non competitive funding

BPV.M01BAY. PROGNOSTIC VALUE OF THE MOLECULAR SUBTYPES IDENTIFIED IN COLORECTAL CANCER BY MICROARRAY ANALYSIS. PI: PÉREZ-VILLAMIL SALGADO, BEATRIZ. Funding organisation: BAYER HISPANIA, S.L.U.

ECL.10/052. ENSAYO FASE II PARA EVALUAR LA EFICACIA Y SEGURIDAD DE CATUMAXOMAB COMO TRATAMIENTO DE CONSOLIDACIÓN EN PACIENTES CON CÁNCER EPITELIAL DE OVARIO EN UNA SEGUNDA O TERCERA REMISIÓN COMPLETA. PI: CASADO HERRÁEZ, ANTONIO.

ECL.11/196. ESTUDIO FASE II ALEATORIZADO DE DOBLE CIEGO DE LA COMBINACIÓN DE SANDOSTATINA LAR CON AXITINIB VS SANDOSTATINA LAR CON PLACEBO EN PACIENTES CON CARCINOMAS NEUROENDOCRINOS AVANZADOS Y BIEN DIFERENCIADOS DE ORIGEN NO PANCREÁTICO (CARCINOIDES). PI: SASTRE VALERA, JAVIER.

ECL.11/292. ESTUDIO MULTICÉNTRICO, DOBLE CIEGO, RANDOMIZADO, CONTROLADO CON PLACEBO PARA COMPARAR QUIMIOTERAPIA MAS TRASTUZUMAB Y PLACEBO CON QUIMIOTERAPIA MAS TRASTUZUMAB Y PERTUZUMAB, COMO TRATAMIENTO ADYUVANTE EN PACIENTES CON CÁNCER DE MAMA PRIMARIO HER-2-POSITIV. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.13/131. ENSAYO CLINICO EN SAFSE 3, ALEATORIZADO, MULTICÉNTRICO, DOBLE CIEGO CON PD0332991 (INHIBIDOR ORAL DE CDK 4/6) EN COMBINACION CON LETROZOL COMPARADO CON PLACEBO MAS LETROZOL EN EL TRATAMIENTO DE PACIENTES

POSMENOPAUSICAS CON CANCER DE MAMA RE (+), HER2 (-). PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.13/184. ENSAYO DE FASE III DE QUIMIOTERAPIA POSTOPERATORIA FRENTE A NINGUN TRATAMIENTO POSTERIOR EN PACIENTES CON CANCER DE ENDOMETRIO DE RIESGO INTERMEDIO O ALTO, EN ESTADIOS I O II, CON GANGLIOS NEGATIVOS. PI: CASADO HERRÁEZ, ANTONIO.

ECL.13/356. ENSAYO DE FASE II/III ALEATORIZADO DE DOS DOSIS DE MK-3475 (SCH900475) FRENTE A DOCETAXEL EN SUJETOS CON CÁNCER DE PULMÓN NO MICROCÍTICO TRATADOS PREVIAMENTE. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.13/392. ENSAYO CLINICO ALEATORIZADO DE FASE III COMPARANDO UNA ESTRATEGIA BASADA EN EL ANALISIS MOLECULAR CON LA ESTRATEGIA EMPIRICA EN PACIENTES CON CARCINOMA DE ORIGEN PRIMARIO DESCONOCIDO (CUP). PI: CASADO HERRÁEZ, ANTONIO.

ECL.13/440. ESTUDIO ALEATORIZADO, DOBLE CIEGO, CONTROLADO CON PLACEBO, DE LEE011 EN COMBINACIÓN CON LETROZOL PARA EL TRATAMIENTO DE MUJERES POSTMENO`AUSICAS CON CANCER DE MAMA AVANZADO CON RECEPTOR HORMONAL POSITIVO, HER-2-NEGATIVO QUE NO HAN RECIBIDO TERAPIA PREVIA. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.14/149. Ensayo fase III, multicéntrico, aleatorizado, doble ciego, de grupos paralelos, controlado con placebo, para evaluar la eficacia y la seguridad de olaparib frente a placebo como tratamiento adyuvante de pacientes con cáncer de mama HER>2 negativo de alto. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.14/215. ESTUDIO DE FASE 3, ALEATORIZADO, DOBLE CIEGO, CONTROLADO CON PLACEBO, EN EL QUE SE EVALUA FULVESTRANT EN COMBINACIÓN O NO CON LY2835219, UN INHIBIDOR DE LAS CDK4/6, EN MUJERES CON CANCER DE MAMA LOCALMENTE AVANZADO O METASTASICO RECEPTOR HORMONAL POSITIVO. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.14/351. ESTUDIO DOBLE CIEGO DE FASE II DE ASIGNACIÓN ALEATORIA QUE EVALUA EL PAPEL DE LA TERAPIA DE MANTENIMIENTO CON CABOZANTINIB EN SARCOMA INDEFERENCIADO DE ALTO GRADO LIMITADO AL ÚTERO (HGUS) POSTERIOR A UNA CIRUGÍA O DESPUES DE LA ESTABILIZACIÓN O RESPUESTA. PI: CASADO HERRÁEZ, ANTONIO.

ECL.14/394. ESTUDIO DE FASE IIIb, ALEATORIZADO, DOBLE CIEGO, CONTROLADO CON PLACEBO, PARA EVALUAR LA EFICACIA Y SEGURIDAD DE CONTINUAR EL TRATAMIENTO CON ENZALUMATIDA EN PACIENTES CON CANCER DE PROSTATA RESISTENTE A LA CASTRACIÓN METASTASICO, QUE NO HAN RECIBIDO QUIM. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.14/445. AXITINIB EN CARCINOMA METASTASICO / AVANZADO DE CELULAS RENALES - UN ESTUDIO NO INTERVENCIONISTA DE RESULTADOS TERAPEUTICOS REALES EN PACIENTES QUE RECIBEN AXITINIB EN SEGUNDA LINEA DESPUES DE RECIBIR SUNITINIB EN PRIMERA LINEA (INLYTA IN ADVANCED/METASTA. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.14/449. ESTUDIO DE FASE II, ALEATORIZADO Y DOBLE CIEGO QUE COMPARA EL TRATAMIENTO CADA 3 SEMANAS CON CARBOPLATINO (AUC 5) + 175 MG/M2 DE PACLITAXEL, CON O SIN NINTEDANIB CONCOMITANTE Y DE MANTENIMIENTO, EN EL CARCINOMA DE CUELLO UTERINO AVANZADO O RECIDIVANTE. PI: CASADO HERRÁEZ, ANTONIO.

ECL.14/452. ESTUDIO DE FASE III ALEATORIZADO, DOBLE CIEGO, CONTROLADO CON PLACEBO, DE INHIBIDORES DE AROMATASA NO ESTEROIDEOS (ANASTROZOL O LETROZOL) EN COMBINACIÓN CON LY2835219 - UN INHIBIDOR DE CDK4/6-, O CON PLACEBO, EN MUJERES POSMENOPAUSICAS CON CANCER DE MAMA. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.14/541. Estudio de fase III, aleatorizado, controlado con placebo y doble ciego de JNJ-56021927 en combinación con acetato de abiraterona y prednisona en comparación con acetato de abiraterona y prednisona en sujetos con cancer de prostata metastasico resistente. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.15/224. Estudio de fase 3, controlado con placebo, de carboplatino/paclitaxel con o sin tratamiento concomitante y seguidamente de mantenimiento de veliparib (un inhibidor de la PARP) en pacientes con carcinoma epitelial seroso de ovario, tubárico o peritoneal pr. PI: CASADO HERRÁEZ, ANTONIO.

ECL.15/301. Ensayo Clínico Fase III, prospectivo, aleatorizado, doble ciego, de quimioterapia adyuvante con MEDI4736 versus placebo en pacientes con cáncer de pulmón no microcítico con resección completa. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.15/392. ESTUDIO EN FASE III, ABIERTO Y ALEATORIZADO PARA INVESTIGAR LA EFICACIA Y SEGURIDAD DE ATEZOLIZUMAB (ANTICUERPO ANTI-PD-L1) EN COMPARACIÓN CON EL TRATAMIENTO DE SOPORTE ÓPTIMO DESPUES DE QUIMIOTERAPIA ADYUVANTE BASADA EN CISPLATINO EN PACIENTES SELECCIONADOS. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.15/393. Estudio fase II, multicéntrico, aleatorizado, doble ciego, de grupos paralelos, para comparar la eficacia y tolerabilidad de Fulvestrant (Faslodex™) 500mg con placebo y Fulvestrant (Faslodex™) 500mg en combinación con el PD-0332991 (Palbociclib) como pr. PI: MORENO ANTÓN, FERNANDO.

ECL.15/396. Estudio fase 3 aleatorizado, doble-cego y controlado con placebo de JNJ-56021927 más terapia de privación de andrógenos (TPA) frente a TPA en sujetos con cáncer de próstata metastásico hormonosensible (CPmHS) de baja carga tumoral. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.15/397. Estudio de Fase III, multicéntrico, aleatorizado, en doble ciego y controlado con placebo, para evaluar la eficacia y la seguridad de AZD9291 frente a placebo en pacientes con carcinoma de pulmón no microcítico con mutación del receptor del factor de crecimiento. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.15/401. A PROSPECTIVE, MULTICENTRE, OPEN-LABEL, CENTRALLY ALLOCATED, ACTIVE-CONTROLLED, PHASE 2/3 STUDY TO EVALUATE THE EFFICACY AND SAFETY OF MASITINIB IN COMBINATION WITH GEMCITABINE VERSUS GEMCITABINE ALONE IN ADVANCED / METASTATIC EPITHELIAL OVARIAN CANCER PA. PI: CASADO HERRÁEZ, ANTONIO.

ECL.15/453. ESTUDIO ABIERTO, MULTINACIONAL Y MULTICENTRICO, ACERCA DEL TRATAMIENTO EN LA PRACTICA REAL CON AZD9291 EN MONOTERAPIA EN PACIENTES CON CANCER DE PULMON NO MICROCITICO (CPNM) CON LA MUTACION T790M DEL RECEPTOR DEL FACTOR DE CRECIMIENTO EPIDERMICO (EGFR), A. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.15/477. Monitorización mediante biopsia líquida de los pacientes con cáncer colorrectal metastásico: comparación de plataformas de nueva generación para el genotipado de DNA tumoral circulante. PI: SASTRE VALERA, JAVIER.

ECL.15/478. Estudio observacional para Identificar pacientes con CPNM avanzado/metastásico y translocación de ALK y ROS1 y conocer su manejo terapéutico (IDEALK&ROS). PI: PUENTE VÁZQUEZ, JAVIER.

ECL.15/488. Ensayo clínico fase II con vinorelbina oral metronómica y cisplatino trisemanal como tratamiento de inducción y posterior concomitancia con radioterapia (RT) en pacientes con cáncer de pulmón no microcítico (CPNM) localmente avanzado irreseccable. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.15/489. Estudio en fase Ib/II, abierto y multicéntrico para evaluar la seguridad, la tolerabilidad, la farmacocinética y la actividad antineoplásica preliminar de MEDI4736 en combinación con AZD9150 o AZD5069 en pacientes con tumores sólidos avanzados, en el que. PI: PÉREZ SEGURA, PEDRO.

ECL.15/527. Estudio de fase III de pembrolizumab (MK-3475) frente a quimioterapia en el carcinoma colorrectal en estadio IV con inestabilidad de microsatélites alta (MSI-H) o con defectos en la reparación de los errores de emparejamiento (dMMR) (KEYNOTE-177). PI: SASTRE VALERA, JAVIER.

ECL.15/544. RIFTOX MK1 - pacientes asintomáticos con cáncer diferenciado de tiroides refractario al yodo radioactivo - estudio observacional para evaluar la utilización de inhibidores de multiquinasa. PI: CASADO HERRÁEZ, ANTONIO.

ECL.15/549. ESTUDIO FASE 2, ALEATORIZADO, MULTICENTRICO, ABIERTO, DE 3 GRUPOS, PARA COMPARAR LA EFICACIA DEL TRATAMIENTO DE COMBINACIÓN CON ABEMACICLIB Y TRASTUZUMAB (CON O SIN FULVESTRANT) FRENTE AL ESTANDAR DE TRATAMIENTO CON LA COMBINACIÓN DE TRASTUZUMAB Y LA QUIM. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.15/555. ENSAYO SOBRE TRATAMIENTO NEOADYUVANTE CON EL ANTICUERPO DIRIGIDO CONTRA PD-L1 EN EL CANCER DE MAMA TRIPLE NEGATIVO LOCALMENTE AVANZADO TRATADO CON NAB-PACLITAXEL Y CARBOPLATINO. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.16/033. Estudio fase II, abierto, randomizado, de consolidación con nivolumab eipilimumab tras quimiorradioterapia en pacientes con carcinoma de pulmón de célula pequeña en estadio limitado. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.16/087. Estudio de marcadores pronósticos y predictores en ADN tumoral circulante en pacientes con cáncer de mama avanzado RE positivo hormono-sensible. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.16/344. Análisis de mediadores solubles, citoquinas y factores angiogénicos circulantes (FACs), como potenciales factores predictivos/pronósticos en el tratamiento con antiangiogénicos tras un fallo a una primera línea de quimioterapia en el carcinoma de pulmón n. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.16/397. Estudio observacional retrospectivo sobre el tratamiento del cáncer colorrectal metastásico (CCRM) en España. Estudio STREAM. PI: DÍAZ-RUBIO GARCÍA, EDUARDO.

ECL.17/089. ESTUDIO DE FASE II CON EL ANTICUERPO ANTI-PD-L1 ATEZOLIZUMAB, BEVACIZUMAB Y ÁCIDO ACETILSALICÍLICO PARA INVESTIGAR LA SEGURIDAD Y LA EFICACIA DE ESTA COMBINACIÓN EN EL ADENOCARCINOMA DE OVARIO, DE TROMPA DE FALOPIO O PERITONEAL PRIMARIO, RECURRENTE Y RESI. PI: CASADO HERRÁEZ, ANTONIO.

ECL.17/098. ESTUDIO PROSPECTIVO DE LA UTILIDAD DE LA BIOPSIA LÍQUIDA COMO FACTOR PREDICTOR Y PRONÓSTICO EN PACIENTES CON CARCINOMA UROTELIAL METASTÁSICO EN PROGRESIÓN TRAS QUIMIOTERAPIA BASADA EN PLATINO. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.17/149. Estudio multicéntrico de fase II para comparar la eficacia del inhibidor de la angiogénesis por vía oral nintedanib con el compuesto citotóxico intravenoso ifosfamida en el tratamiento de pacientes con sarcoma de partes blandas metastásico avanzado después. PI: CASADO HERRÁEZ, ANTONIO.

ECL.17/154. Estudio observacional, retrospectivo y multicéntrico para identificar los perfiles de pacientes que más se benefician del tratamiento con Trabectedina en segunda línea en pacientes con sarcoma de tejidos blandos, localmente avanzados o metastásicos, que h. PI: CASADO HERRÁEZ, ANTONIO.

ECL.17/158. ESTUDIO DE FASE III MULTICÉNTRICO, ABIERTO, RANDOMIZADO PARA EVALUAR LA EFICACIA Y SEGURIDAD DE ATEZOLIZUMAB COMPARADO CON QUIMIOTERAPIA EN PACIENTES CON CÁNCER NO MICROCÍTICO DE PULMÓN AVANZADO O RECURRENTE (ESTADIO IIIB NO TRATABLE CON MÚLTIPLES MODALIDADES). PI: PUENTE VÁZQUEZ, JAVIER.

ECL.17/207. Estudio piloto fase II randomizado multicéntrico para evaluar la eficacia y seguridad del tratamiento con FOLFIRI-aflibercept comparado con un tratamiento inicial con FOLFIRI-aflibercept (durante 6 ciclos) seguido de mantenimiento con 5FU-aflibercept en p. PI: SASTRE VALERA, JAVIER.

ECL.17/290. Un ensayo multicéntrico, abierto, fase 1b/2 de lenvatinib (E7080) más pembrolizumab en sujetos con tumores sólidos seleccionados. PI: CASADO HERRÁEZ, ANTONIO.

ECL.17/333. EFICACIA Y SEGURIDAD DEL CONCENTRADO DE PLASMA AUTÓLOGO RICO EN FACTORES DE CRECIMIENTO EN EL TRATAMIENTO DEL ENDOMETRIO FINO EN PACIENTES SOMETIDAS A TRANSFERENCIA DE EMBRIONES CRIO-PRESERVADOS: ENSAYO CLÍNICO FASE II. PI: RAFAEL FERNÁNDEZ, SARA.

ECL.17/492. Estudio de calidad de vida en pacientes con dolor irruptivo oncológico atendidos en los servicios de Oncología Médica. PI: MARQUINA OSPINA, GLORIA.

ECL.18/116. SPECTA: Selección de pacientes con cáncer para acceder de forma eficiente a ensayos clínicos (Screening Cancer Patients for Efficient Clinical Trial Access). PI: CASADO HERRÁEZ, ANTONIO; MARQUINA OSPINA GLORIA.

ECL.18/154. "Estudio observacional, prospectivo, multicéntrico, multinacional, abierto y en un contexto real del uso de naloxegol en pacientes con diagnóstico de dolor oncológico con estreñimiento inducido por opioides (EIO)". PI: PÉREZ SEGURA, PEDRO.

ECL.18/204. Estudio español no intervencional, multicéntrico y retrospectivo para analizar la eficacia y seguridad de trabectedina en el tratamiento de pacientes con leiomiomas uterino avanzado recidivante según ficha técnica. PI: MARQUINA OSPINA, GLORIA.

ECL.18/263. ANALISIS RETROSPECTIVO, OBSERVACIONAL DEL TRATAMIENTO CON PALBOCICLIB EN PACIENTES CON CÁNCER DE MAMA AVANZADO DENTRO DEL PROGRAMA DE USO COMPASIVO" - "Retrospective observational analysis of palbociclib treatment in patients with advanced breast cancer w. PI: MORENO ANTÓN, FERNANDO.

ECL.18/310. Estudio de fase III, aleatorizado, secuencial y abierto, para evaluar la eficacia de FOLFOX + panitumumab seguido por FOLFIRI + bevacizumab (Secuencia 1) frente a FOLFOX + bevacizumab seguido por FOLFIRI + panitumumab (Secuencia 2) en pacientes con cáncer. PI: SASTRE VALERA, JAVIER.

ECL.18/387. "A Randomized Phase 2/3 Study of Eryaspase in Combination with Gemcitabine and Carboplatin Chemotherapy versus Chemotherapy Alone for the Treatment of Patients with Metastatic or Locally Recurrent Triple-Negative Breast Cancer". "Estudio de fase 2/3, aleat. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL."

ECL.18/410. Estudio en fase III, multicéntrico, aleatorizado, abierto y controlado con principio activo de DS-8201a, un conjugado de fármaco y anticuerpo anti-HER2, frente a ado-trastuzumab emtansina (T DM1) para sujetos con cáncer de mama irreseccable y/o metastásico. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.18/449. Estudio fase III, aleatorizado, doble ciego, controlado con placebo que evalúa la eficacia y seguridad de pembrolizumab más quimioterapia basada en doblete de platino con o sin canakinumab, como terapia de primera línea para pacientes con cáncer de pulmón. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.18/457. Estudio fase III, aleatorizado, doble ciego, controlado con placebo que evalúa la eficacia y la seguridad de canakinumab en combinación con docetaxel frente a placebo en combinación con docetaxel, en pacientes con cáncer de pulmón de células no pequeñas (. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.18/511. Atezolizumab, pertuzumab y trastuzumab con quimioterapia como tratamiento neoadyuvante en pacientes con cáncer de mama precoz y localmente avanzado HER2 positivo de alto riesgo.(APTneo). PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.18/570. ESTUDIO OBSERVACIONAL DESCRIPTIVO SOBRE LAS CARACTERÍSTICAS DEL MELANOMA AVANZADO Y METASTÁSICO EN ESPAÑA. PI: AGUADO DE LA ROSA, CARLOS.

ECL.18/579. Ensayo clínico fase III, multicéntrico, aleatorizado y abierto, para evaluar la eficacia y seguridad de ribociclib con terapia endocrina, como tratamiento adyuvante en pacientes con cáncer de mama precoz, receptores hormonales positivos, HER2 negativo (nu. PI: MORENO ANTÓN, FERNANDO.

ECL.19/072. " Estudio en fase III, multicéntrico, aleatorizado, abierto y controlado con principio activo de trastuzumab deruxtecan (DS-8201a), un conjugado de fármaco y anticuerpo (CAF) anti-HER2, en comparación con el tratamiento elegido por el médico en sujetos co. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.19/129. ROS/ An observational retrospective study to evaluate the early clinical experience with Trifluridine/Tipiracil in patients with refractory metastatic colorectal cancer. Efficacy and Safety assessment. PI: SASTRE VALERA, JAVIER.

ECL.19/148. Reducción de la intensidad de la dosis de denosumab para el tratamiento de mantenimiento de los tumores de células gigantes del hueso irreseccables: estudio de fase II multicéntrico "REDUCE" - Reduced dose-density of denosumab for maintenance therapy of unre. PI: CASADO HERRÁEZ, ANTONIO.

ECL.19/255. Registro clínico de pacientes diagnosticadas con cáncer ginecológico del Grupo Español de Investigación en Cáncer de Ovario (GEICO). PI: CASADO HERRÁEZ, ANTONIO.

ECL.19/300. Estudio observacional y retrospectivo, sobre el valor pronóstico de la expresión de PDL1 y otros marcadores moleculares angiogénicos, en pacientes con carcinoma de células renales (CCR) avanzado o metastásico tratados con fármacos antiangiogénicos en prim. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.19/566. "Incorporating the patient voice in sarcoma research: How can we assess health-related quality of life in this heterogeneous group of patients". PI: CASADO HERRÁEZ, ANTONIO.

ECL.20/017. Ensayo de fase 3, aleatorizado y doble ciego de pembrolizumab (MK-3475) más enzalutamida más ADT en comparación con un placebo más enzalutamida más ADT en participantes con cáncer de próstata hormonosensible metastásico (CPHSm) (KEYNOTE-991). PI: PUENTE VÁZQUEZ, JAVIER.

ECL.20/042. IMMUNOLOGICAL PROGRAM GRANT AT THE EXPERIMENTAL THERAPEUTICS UNIT AT HOSPITAL CLINICO SAN CARLOS. PI: OCAÑA

FERNANDEZ, ALBERTO. Funding organisation: OCAÑA FERNANDEZ, ALBERTO.

ECL.20/117. El estudio OVAL: Estudio aleatorizado, controlado, de dos grupos, doble ciego y multicéntrico de ofranergene obadenovec (VB-111) combinado con paclitaxel frente a paclitaxel combinado con placebo para el tratamiento del cáncer de ovario resistente al plat. PI: CASADO HERRÁEZ, ANTONIO.

ECL.20/123. Cordoma sacro: un estudio aleatorizado y observacional sobre cirugía versus radioterapia definitiva en enfermedad localizada primaria (SACRO). PI: MARQUINA OSPINA, GLORIA.

ECL.20/134. Desarrollo de herramientas de gestión de ensayos clínicos urológicos y digitalización de pacientes. PI: PUENTE VÁZQUEZ, JAVIER. Funding organisation: PUENTE VÁZQUEZ, JAVIER.

ECL.20/152. Phase I/II randomized clinical trial of selinexor plus gemcitabine in selected advanced soft-tissue sarcoma and osteosarcoma. //Ensayo clínico aleatorizado fase I/II de selinexor más gemcitabina en determinados sarcomas de partes blandas y osteosarcomas av. PI: CASADO HERRÁEZ, ANTONIO.

ECL.20/156. Evaluación de potenciales factores pronósticos/predictivos y esquemas de tratamiento en cáncer de colon metastásico (CCRm) tratado con combinaciones de terapia sistémica en segunda línea en la práctica clínica habitual. PROMETEO 2. PI: GARCÍA PAREDES, BEATRIZ. Funding organisation: GARCÍA PAREDES, BEATRIZ.

ECL.20/181. "Estudio abierto, de un solo brazo, de continuación de tratamiento con darolutamida a pacientes incluidos previamente en estudios promovidos por Bayer"//An open-label, single arm, roll-over study to provide continued treatment with darolutamide in partici. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.20/184. Estudio de fase II, aleatorizado, abierto, internacional y multicéntrico, para comparar la eficacia de la quimioterapia estándar frente a letrozol más abemaciclib como terapia neoadyuvante en pacientes con cáncer de mama con RH-positivo/HER2-negativo de r. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.20/187. A PHASE III, OPEN-LABEL, RANDOMIZED STUDY OF ATEZOLIZUMAB AND TIRAGOLUMAB COMPARED WITH DURVALUMAB IN PATIENTS WITH LOCALLY ADVANCED, UNRESECTABLE STAGE III NON\_SMALL CELL LUNG CANCER WHO HAVE NOT PROGRESSED AFTER CONCURRENT PLATINUM-BASED CHEMORADIATION (. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.20/188. Open-label, single -arm trial to evaluate antitumor activity, safety, and pharmacokinetics of SAR408701 used in combination with ramucirumab in metastatic, non-squamous, non-small-cell lung cancer (NSQ NSCLC) patients with CEACAM5-positive tumors, previous. PI: AGUADO DE LA ROSA, CARLOS.

ECL.20/189. «Ensayo clínico de fase II, multicéntrico, abierto, con un único grupo y multicohorte de trastuzumab deruxtecan (DS-8201a) en cáncer de mama avanzado con receptor del factor de crecimiento epidérmico humano 2 positivo (HER2) con metástasis cerebrales o ca. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.20/194. Estudio de fase III internacional, aleatorizado, abierto y con tres grupos paralelos de PF-06801591, un anticuerpo anti-PD-1, en combinación con bacilo de Calmette-Guérin (inducción de BCG con o sin mantenimiento de BCG) frente a BCG (inducción y mantenim. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.20/197. Randomized, double-blind, phase 3 study oftucatinib or placebo in combination with ado-trastuzumab emtansine (T-DM1) for subjects with unresectable locally-advanced or metastatic HER2+ breast cancer.". PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.20/199. Ensayo clínico de fase II para evaluar la eficacia y seguridad del tratamiento de primera línea con atezolizumab en combinación con paclitaxel y bevacizumab (Avastin®) en pacientes con cáncer de mama triple negativo avanzado o metastásico. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.20/255. "Estudio aleatorizado en fase III de quimioterapia neoadyuvante seguida de cirugía frente a solo cirugía para pacientes con sarcoma retroperitoneal de alto riesgo (STRASS 2)" - "A randomized phase III study of neoadjuvant chemotherapy followed by surgery. PI: CASADO HERRÁEZ, ANTONIO.

ECL.20/256. "ESTUDIO DE FASE III MULTICÉNTRICO, ALEATORIZADO, ABIERTO PARA EVALUAR LA EFICACIA Y SEGURIDAD DE ATEZOLIZUMAB ADMINISTRADO EN COMBINACIÓN CON CABOZANTINIB FRENTE A CABOZANTINIB EN MONOTERAPIA EN PACIENTES CON CARCINOMA DE CÉLULAS RENALES LOCALMENTE AVANZ. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.20/269. Un estudio abierto y multicéntrico de fase 1 del DCC-3014 para evaluar la seguridad, la tolerabilidad, la farmacocinética y la



farmacodinámica en pacientes con tumores avanzados. PI: CASADO HERRÁEZ, ANTONIO.

ECL.20/303. Ensayo en fase III global, multicéntrico, aleatorizado y controlado con placebo para comparar la eficacia y la seguridad de fruquintinib, más los mejores cuidados paliativos frente a placebo, más los mejores cuidados paliativos en pacientes con cáncer de. PI: SASTRE VALERA, JAVIER.

ECL.20/316. RADIOTERAPIA A DOSIS BAJAS EN EL MANEJO DE LA NEUMONÍA POR COVID-19. PI: VÁZQUEZ MASEDO, MANUEL GONZALO. Funding organisation: VÁZQUEZ MASEDO, MANUEL GONZALO.

ECL.20/358. "Estudio en fase Ib abierto para evaluar la seguridad, tolerabilidad, farmacocinética, inmunogenicidad y actividad antitumoral de MEDI5752 en combinación con axitinib en pacientes con carcinoma de células renales avanzado" - "A Phase Ib, Open-label Study. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.20/359. Estudio de fase Ib/II abierto para evaluar tazemetostat en combinación con enzalutamida o abiraterona/prednisona en pacientes con cáncer de próstata resistente a la castración metastásico, que no han recibido quimioterapia previa. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.20/361. Estudio aleatorizado de fase III de sitravatinib en combinación con nivolumab frente a docetaxel en pacientes con cáncer de pulmón no microcítico no escamoso avanzado con progresión de la enfermedad durante o después de la quimioterapia con platino y el t. PI: AGUADO DE LA ROSA, CARLOS.

ECL.20/377. Ensayo fase III, aleatorizado, controlado, multicéntrico de 3 brazos para evaluar osimertinib neoadyuvante en monoterapia o en combinación con quimioterapia, frente a la quimioterapia de referencia, para el tratamiento de pacientes con CPNM reseccable con. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.20/405. Ensayo clínico fase III, doble ciego, aleatorizado, controlado con placebo que evalúa la eficacia y la seguridad de Capivasertib + Abiraterona versus Placebo + Abiraterona, como tratamiento para pacientes con Cáncer de próstata metastásico de novo, sensib. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.20/442. Estudio posautorización de seguridad para evaluar los riesgos del síndrome mielodisplásico/la leucemia mieloide aguda y las segundas neoplasias malignas primarias en pacientes adultos con cáncer epitelial de ovario, de las trompas de Falopio o peritoneal. PI: MARQUINA OSPINA, GLORIA.

ECL.20/445. Estudio de fase II/III, aleatorizado, doble ciego, de diseño adaptativo, de GSK3359609 en combinación con pembrolizumab y quimioterapia con 5FU platino frente a un placebo en combinación con pembrolizumab y quimioterapia con 5FU platino para el tratamient. PI: CABEZAS CAMARERO, SANTIAGO.

ECL.20/496. Ensayo internacional fase III, randomizado, doble ciego, multicéntrico, de Monalizumab o placebo en combinación con Cetuximab en pacientes con carcinoma epidermoide de cabeza y cuello recurrente o metastásico tratado previamente con un inhibidor del punto. PI: CABEZAS CAMARERO, SANTIAGO.

ECL.20/508. Rogaratinib, palbociclib and fulvestrant in advanced hormone receptor-positive, FGFR1/2/3-positive breast cancer: phase I clinical trial plus an expansion cohort". PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.20/526. Estudio de fase II, abierto, multicéntrico e internacional, de Durvalumab tras radioterapia en pacientes con cáncer de pulmón no microcítico en estadio III, no reseccable, que no son elegibles para quimioterapia (DUART)". PI: AGUADO DE LA ROSA, CARLOS.

ECL.20/553. "Ensayo clínico de fase IB de palbociclib y binimetinib en cáncer de mama triple negativo avanzado con hiperactivación de ERK y/o CDK4/6 - Phase IB Clinical trial of palbociclib and binimetinib in advanced triple negative breast cancer with hyperactivatio. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.20/559. REAL-WORLD SURVIVAL OUTCOMES AND SAFETY OF ATEZOLIZUMAB IN LOCALLY ADVANCED OR METASTATIC NON-SMALL-CELL LUNG CANCER IN A SPANISH COHORT - TRACKER STUDY. RESULTADOS DE SUPERVIVENCIA Y SEGURIDAD DE ATEZOLIZUMAB EN VIDA REAL DE UNA COHORTE ESPAÑOLA EN CÁNCER. PI: AGUADO DE LA ROSA, CARLOS.

ECL.20/563. Estudio epidemiológico observacional multicéntrico descriptivo sobre tumores digestivos (RETUD). PI: SASTRE VALERA, JAVIER.

ECL.20/570. Phase II, multicenter, non-randomized, single-arm, open-label trial of atezolizumab in combination of split-doses of gemcitabine plus cisplatin in patients with locally advanced or metastatic urothelial carcinoma. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.20/575. ANÁLISIS OBSERVACIONAL DEL TRATAMIENTO CON PALBOCICLIB EN PACIENTES CON CÁNCER DE MAMA AVANZADO O METASTÁSICO RH+/HER2- EN PRIMERA LINEA DE TRATAMIENTO DENTRO DE PRÁCTICA CLÍNICA HABITUAL. PI: MORENO ANTÓN, FERNANDO.

ECL.20/583. "A Phase IIIB, Single Arm Study, of Durvalumab in Combination with Platinum-Etoposide for Untreated Patients with Extensive-Stage Small Cell Lung Cancer reflecting Real World Clinical Practice in Spain (CANTABRICO)". PI: AGUADO DE LA ROSA, CARLOS.

ECL.20/596. "Estudio retrospectivo, multicéntrico de niraparib como terapia de mantenimiento en pacientes con cáncer de ovario recurrente sensibles a platino que han recibido niraparib dentro del Programa de Acceso Expandido en España". PI: MARQUINA OSPINA, GLORIA.

ECL.20/603. "Estudio en fase II, multicéntrico, sin enmascaramiento, aleatorizado y controlado para comparar la eficacia del RO7198457 con la estrategia de actitud expectante en pacientes con cáncer colorrectal reseccado en estadio II (riesgo elevado) y estadio III qu. PI: SASTRE VALERA, JAVIER.

ECL.20/610. "ENSAYO CLÍNICO FASE III DE QUIMIOTERAPIA ADYUVANTE VERSUS QUIMIOINMUNOTERAPIA EN PACIENTES CON CÁNCER DE PULMÓN NO MICROCÍTICO ESTADIO IB-III A CON RESECCIÓN COMPLETA - A phase III clinical trial of adjuvant chemotherapy vs chemoimmunotherapy for stage IB. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.20/612. ESTUDIO DE FASE 3, ABIERTO Y ALEATORIZADO DE MK-6482 EN COMBINACIÓN CON LENVATINIB (MK-7902) FRENTE A CABOZANTINIB EN PARTICIPANTES CON CARCINOMA RENAL AVANZADO QUE HAN MOSTRADO PROGRESIÓN DESPUÉS DEL TRATAMIENTO PREVIO CON ANTI-PD-1/L1. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.20/619. ESTUDIO DE IDENTIFICACIÓN DE BIOMARCADORES EN MUESTRAS SECUENCIALES DE PACIENTES CON CÁNCER RENAL. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.20/623. Un estudio abierto, multicéntrico y de extensión del tratamiento a largo plazo en sujetos que han completado un estudio previo de niraparib patrocinado por GlaxoSmithKline/TESARO y que el investigador considera que se benefician del tratamiento continuo c. PI: CASADO HERRÁEZ, ANTONIO.

ECL.20/644. Estudio de los cambios en el microambiente inmune de cáncer de ovario avanzado en pacientes sometidas a quimioterapia neoadyuvante con o sin bevacizumab. PI: CASADO HERRÁEZ, ANTONIO.

ECL.20/645. Estudio de fase 3, abierto y aleatorizado para evaluar la eficacia y la seguridad de pembrolizumab (MK-3475) en combinación con MK-6482 y lenvatinib (MK-7902), o MK-1308A en combinación con lenvatinib, en comparación con pembrolizumab y lenvatinib, como t. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.20/654. Estudio de fase 2 de MRTX849 en combinación con pembrolizumab en pacientes con cáncer de pulmón no microcítico avanzado con mutación KRAS G12C / A Phase 2 Trial of MRTX849 in Combination with Pembrolizumab in Patients with Advanced Non-Small Cell Lung Can. PI: AGUADO DE LA ROSA, CARLOS.

ECL.20/661. "ESTUDIO OBSERVACIONAL RETROSPECTIVO PROSPECTIVO EN PACIENTES CON TUMORES GENITOURINARIOS QUE PRESENTAN INFECCIÓN COVID-19 (SOGUGCOVID-19)". PI: PUENTE VÁZQUEZ, JAVIER.

ECL.20/702. ESTUDIO RETROSPECTIVO DE LA UTILIZACIÓN DE CETUXIMAB Y PACLITAXEL EN EL TRATAMIENTO DE PRIMERA LINEA DE CARCINOMA DE CÉLULAS ESCAMOSAS DE CABEZA Y CUELLO RECURRENTE Y / O METASTÁSICO: DATOS DE VIDA REAL. PI: PÉREZ SEGURA, PEDRO.

ECL.20/704. Mejora del manejo clínico del carcinoma renal avanzado mediante tecnologías genómicas (RCC-MARKER). PI: PUENTE VÁZQUEZ, JAVIER.

ECL.20/725. A PHASE III, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED CLINICAL TRIAL TO EVALUATE THE EFFICACY AND SAFETY OF ADJUVANT ATEZOLIZUMAB OR PLACEBO AND TRASTUZUMAB EMTANSINE FOR HER2-POSITIVE BREAST CANCER AT HIGH RISK OF RECURRENCE FOLLOWING PREOPERATIVE TH. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.20/748. ESTUDIO DE FASE II, ALEATORIZADO, ABIERTO, DE 2 BRAZOS DE TRATAMIENTO DE ABEMACICLIB EN COMBINACIÓN CON TERAPIA ENDOCRINA (LETROZOL O FULVESTRANT) CON O SIN UN CICLO CORTO DE QUIMIOTERAPIA DE INDUCCIÓN CON PACLITAXEL COMO TRATAMIENTO DE PRIMERA LINEA EN P. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.



ECL.20/753. ESTUDIO DE FASE 3, ALEATORIZADO Y ABIERTO PARA EVALUAR EL USO PERIOPERATORIO DE ENFORTUMAB VEDOTINA MÁS PEMBROLIZUMAB (MK-3475) FRENTE A GEMCITABINA Y CISPLATINO NEOADYUVANTES EN PARTICIPANTES ELEGIBLES A CISPLATINO CON CÁNCER DE VEJIGA MÚSCULO INVASIVO (. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.20/754. ESTUDIO DE FASE III, DOBLE CIEGO, MULTICÉNTRICO Y ALEATORIZADO DE ATEZOLIZUMAB (ANTICUERPO ANTI-PD-L1) EN COMPARACIÓN CON UN PLACEBO COMO TRATAMIENTO ADYUVANTE EN PACIENTES CON CÁNCER DE VEJIGA CON INVASIÓN MUSCULAR DE ALTO RIESGO QUE TIENEN NIVELES DE CT. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.20/761. A Phase 3, Randomized, Double-Blind Study of Pembrolizumab versus Placebo in Combination With Adjuvant Chemotherapy With or Without Radiotherapy for the Treatment of Newly Diagnosed High-Risk Endometrial Cancer After Surgery With Curative Intent (KEYNOTE-. PI: CASADO HERRÁEZ, ANTONIO.

ECL.20/765. A PHASE IIIB, SINGLE ARM, MULTICENTER STUDY OF ATEZOLIZUMAB IN COMBINATION WITH BEVACIZUMAB TO INVESTIGATE SAFETY AND EFFICACY IN SPANISH PATIENTS WITH UNRESECTABLE OR UNSUITABLE FOR LOCOREGIONAL TREATMENTS HEPATOCELLULAR CARCINOMA NOT PREVIOUSLY TREATED. PI: SASTRE VALERA, JAVIER."

ECL.20/820. ENSAYO DE FASE 2, ABIERTO, PARA EVALUAR ENOBILITUZUMAB EN COMBINACIÓN CON RETIFANLIMAB O TEBOTELIMAB, COMO TRATAMIENTO DE PRIMERA LÍNEA EN PACIENTES CON CARCINOMA DE CÉLULAS ESCAMOSAS DE CABEZA Y CUELLO RECURRENTE O METASTÁSICO. PI: PÉREZ SEGURA, PEDRO.

ECL.2016/016. Estudio de fase III multicéntrico, doble ciego, randomizado, controlado con placebo de Atezolizumab (anticuerpo anti-PD-L1) en combinación con Gemcitabina/Carboplatino frente a Gemcitabina/Carboplatino solo en pacientes con carcinoma urotelial localmente. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.2016/017. An Open-Label, Phase 2 Study of Neratinib in Patients With Solid Tumors With Somatic Human Epidermal Growth Factor Receptor (EGFR, HER2, HER3) Mutations or EGFR gene amplification. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.2016/032. Estudio Cesto, abierto, multicéntrico, global, en fase II con Entrectinib para el tratamiento de pacientes con tumores sólidos localmente avanzados o metastásicos que albergan reordenaciones en los genes NTRK1/2/3, ROS1 o ALK. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.2016/058. MEDI4736 combinations in metastatic renal cell carcinoma (CALYPSO). PI: PUENTE VÁZQUEZ, JAVIER.

ECL.2016/068. Estudio de fase III, aleatorizado y doble ciego de pembrolizumab (MK-3475) más quimioterapia frente a un placebo más quimioterapia para el cáncer de mama triple negativo localmente recurrente e inoperable o metastásico, no tratado previamente - (KEYNOTE-3. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.2016/083. Ensayo clínico fase II, exploratorio y multicéntrico, de quimioinmunoterapia neo-adyuvante para el tratamiento del cáncer de pulmón no microcítico estadio III operable. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.2016/092. Ensayo clínico en fase III, aleatorizado, abierto y multicéntrico para comparar la eficacia y la seguridad de lenvatinib en combinación con everolimus o pembrolizumab frente a sunitinib en monoterapia en el tratamiento de primera línea de sujetos con carc. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.2017/012. Estudio en fase III, multicéntrico, randomizado, doble ciego, controlado con placebo para investigar Ipatasertib en combinación con Abiraterona más Prednisona/Prednisolona, comparado con placebo en combinación con Abiraterona más Prednisona/Prednisolona,. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.2017/028. A PHASE 3, RANDOMIZED, OPEN-LABEL STUDY OF LORLATINIB (PF-06463922) MONOTHERAPY VERSUS CRIZOTINIB MONOTHERAPY IN THE FIRST-LINE TREATMENT OF PATIENTS WITH ADVANCED ALK-POSITIVE NON-SMALL CELL LUNG CANCER. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.2017/035. A Randomized, Open-Label, Phase 3 Study of Abemaciclib combined with Standard Adjuvant Endocrine Therapy versus Standard Endocrine Therapy Alone in Patients with High Risk, Node Positive, Early Stage, Hormone Receptor Positive, Human Epidermal Receptor 2. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.2017/074. Ensayo clínico Fase II para evaluar la supervivencia, la calidad de vida y los resultados percibidos por el paciente en ancianos

con cáncer de pulmón no microcítico tratados en primera línea con Pembrolizumab. PEBEL. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.2017/086. ESTUDIO DE FASE IB MULTICÉNTRICO, SIN ENMASCARAMIENTO PARA EVALUAR LA SEGURIDAD Y LA EFICACIA DE IPATASERTIB EN COMBINACIÓN CON ATEZOLIZUMAB Y PACLITAXEL O NAB-PACLITAXEL EN PACIENTES CON CÁNCER DE MAMA TRIPLE NEGATIVO LOCALMENTE AVANZADO O METASTÁSICO. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.2017/088. Estudio de fase II, abierto, aleatorizado y multicéntrico, para evaluar la seguridad y la eficacia de agentes dirigidos frente a los mecanismos de reparación del ADN en combinación con olaparib, en comparación con olaparib en monoterapia, en el tratamient. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.2017/101. Estudio de fase II, multicéntrico, aleatorizado y abierto para evaluar la seguridad y la eficacia de avelumab con gemcitabina / carboplatino frente a quimioterapia con gemcitabina/carboplatino sola, en pacientes con carcinoma urotelial no resecable o meta. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.2017/109. Estudio abierto, aleatorizado, fase 3 comparando trifluridina/tipiracilo (S95005) en combinación con bevacizumab y capecitabina en combinación con bevacizumab en primera línea de tratamiento de pacientes con cáncer colorrectal metastásico que no son candi. PI: SASTRE VALERA, JAVIER.

ECL.2018/001. XENERATM-1: Ensayo de fase III multicéntrico, doble ciego, controlado con placebo y aleatorizado para comparar la eficacia de xentuzumab en combinación con everolimus y exemestano frente a everolimus y exemestano en mujeres posmenopáusicas con cáncer de m. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.2018/002. Estudio de fase II multicéntrico, controlado con activo, aleatorizado para comparar la eficacia y seguridad de la terapia dirigida o inmunoterapia para el cáncer guiada por el perfil genómico frente a la quimioterapia basada en platino en pacientes con cá. PI: CASADO HERRÁEZ, ANTONIO.

ECL.2018/004. Estudio de fase II, multicéntrico, abierto de nal-IRI para la progresión de las metástasis cerebrales en pacientes con cáncer de mama HER2 negativo. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.2018/017. Ensayo mundial fase III, aleatorizado, abierto, multicéntrico de Durvalumab y el Bacilo de Calmette-Guerin (BCG) administrados como terapia combinada en comparación con BCG en monoterapia, en pacientes con cáncer de vejiga no músculo invasivo de alto ries. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.2018/021. Apixaban para el tratamiento del tromboembolismo venoso en pacientes con cáncer: un estudio prospectivo aleatorizado abierto y ciego para el evaluador (probe) - El estudio Caravaggio. PI: PÉREZ SEGURA, PEDRO.

ECL.2018/022. Estudio de fase 3, abierto y aleatorizado, para evaluar enfortumab vedotina en comparación con quimioterapia, en sujetos con cáncer urotelial localmente avanzado o metastásico ya tratado previamente (EV-301). PI: PUENTE VÁZQUEZ, JAVIER.

ECL.2018/036. Ensayo de fase 3, abierto, multicéntrico y aleatorizado para comparar la eficacia y la seguridad de lenvatinib en combinación con pembrolizumab frente al tratamiento de elección del médico en pacientes con cáncer de endometrio avanzado. PI: CASADO HERRÁEZ, ANTONIO.

ECL.2018/037. Estudio de fase I, de incremento de dosis y con ampliación de cohortes, de TSR-042, un anticuerpo monoclonal anti-PD-1, en pacientes con tumores sólidos avanzados. PI: SASTRE VALERA, JAVIER.

ECL.2018/063. Estudio aleatorizado, doble ciego, fase III de Pembrolizumab versus placebo en combinación con quimioterapia neoadyuvante y terapia endocrina adyuvante para el tratamiento de receptores de estrógeno en etapa temprana de alto riesgo, receptores del factor. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.2018/072. A phase III randomized, double-blinded trial of platinum-based chemotherapy with or without atezolizumab followed by niraparib maintenance with or without atezolizumab in patients with recurrent ovarian, tubal or peritoneal cancer and platinum treatment-f. PI: MARQUINA OSPINA, GLORIA.

ECL.2018/075. PROSTATEGY: A multi-arm, multi-stage, randomized phase II/III trial of immunotherapy strategies in metastatic hormone-sensitive prostate cancer. Pilot phase. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.2018/084. Ensayo fase III, multicéntrico, aleatorizado, doble ciego y controlado con placebo, de durvalumab (MEDI4736) en combinación con quimioterapia y bevacizumab, seguido de tratamiento de mantenimiento con durvalumab, bevacizumab y olaparib, en pacientes con c. PI: CASADO HERRÁEZ, ANTONIO.

ECL.2018/087. Estudio en fase Ib de cobimetinib administrado en combinación con niraparib, con o sin atezolizumab, a pacientes con cáncer ovárico en estadio avanzado sensible al platino. PI: CASADO HERRÁEZ, ANTONIO.

ECL.2018/094. A Phase 3, Global, Multi-Center, Double-Blind, Randomized, Efficacy Study of Zolbetuximab (IMAB362) Plus CAPOX Compared with Placebo Plus CAPOX as First-line Treatment of Subjects with Claudin (CLDN) 18.2-Positive, HER2-Negative, Locally Advanced Unresect. PI: SASTRE VALERA, JAVIER.

ECL.2018/101. Estudio multicéntrico, de un solo grupo y abierto, de enfortumab vedotin (ASG-22CE) en el tratamiento de pacientes con cáncer urotelial localmente avanzado o metastásico que han recibido previamente inhibidores de los puntos de control (checkpoint inhibi. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.2018/116. Eficacia de olaparib en combinación con trastuzumab en pacientes con cáncer de mama avanzado HER2-positivo, y con mutación en BRCA o Deficiencia en la Recombinación Homóloga (DRH) - Estudio OPHELIA. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.2018/117. Ensayo fase III, aleatorizado, abierto, controlado, multicéntrico, internacional de durvalumab en combinación con el tratamiento estándar con quimioterapia y durvalumab en combinación con tremelimumab y el tratamiento estándar con quimioterapia frente al. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.2018/130. Estudio de fase II, internacional, multicéntrico, randomizado y abierto para evaluar la eficacia y la seguridad de la continuación de palbociclib en combinación con terapia endocrina de segunda línea en pacientes con cáncer de mama avanzado con receptores. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.2018/137. Estudio en fase III, intervencionista, aleatorizado, multicéntrico y abierto de DCC-2618 frente a sunitinib en pacientes con tumores del estroma gastrointestinal avanzados tras el tratamiento con imatinib. PI: CASADO HERRÁEZ, ANTONIO.

ECL.2018/144. Elacestrant en monoterapia, en comparación con el tratamiento habitual, en pacientes con cáncer de mama avanzado ER+/HER2- que han recibido previamente un inhibidor de CDK4/6: Ensayo de fase 3, aleatorizado, abierto, controlado con principio activo y mult. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.2018/145. Fase II, multicéntrico, de un solo brazo, para evaluar la eficacia del tratamiento con sirolimus y ciclofosfamida en condrosarcoma y liposarcoma mixoide irresecable o metastásico. PI: CASADO HERRÁEZ, ANTONIO.

ECL.2019/009. ENSAYO CLÍNICO FASE II RANDOMIZADO DE QUIMIOMUNOTERAPIA NEO-ADYUVANTE VERSUS QUIMIOTERAPIA SOLA PARA EL TRATAMIENTO DE PACIENTES CON CÁNCER DE PULMÓN NO MICROCÍTICO (CPNM) LOCALMENTE AVANZADO Y POTENCIALMENTE RESECCABLE. NADIM II: Neo-Adjuvant Immunother. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.2019/010. ENSAYO CLÍNICO FASE II ABIERTO DE ATEZOLIZUMAB EN COMBINACIÓN CON BEVACIZUMAB COMO PRIMERA LÍNEA DE TRATAMIENTO PARA PACIENTES CON CÁNCER DE PULMÓN NO MICROCÍTICO NO ESCAMOSO LOCALMENTE AVANZADO O METASTÁSICO SELECCIONADOS SEGÚN CARGA MUTACIONAL TUMORA. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.2019/014. Ensayo aleatorizado, fase II, abierto, con el anti-PD1 TSR-042 como terapia de mantenimiento en pacientes con cáncer de cérvix localmente avanzado de alto riesgo después de quimioradioterapia. PI: MARQUINA OSPINA, GLORIA.

ECL.2019/016. Estudio de fase 3, aleatorizado y doble ciego de pembrolizumab (MK-3475) más docetaxel más prednisona frente a un placebo más docetaxel más prednisona en participantes con cáncer de próstata resistente a la castración metastásico (CPRCm) sin tratamiento pre. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.2019/021. Ensayo de fase 3, aleatorizado y doble ciego de pembrolizumab (MK-3475) más enzalutamida frente a un placebo más enzalutamida en participantes con cáncer de próstata resistente a la castración metastásico (CPRCm) (KEYNOTE-641). PI: PUENTE VÁZQUEZ, JAVIER.

ECL.2019/028. ENSAYO DE FASE IB/II QUE EVALÚA LA COMBINACIÓN DE TG4001 Y AVELUMAB EN PACIENTES CON TUMORES MALIGNOS RECURRENTES O METASTÁSICOS POSITIVOS PARA VPH-16. PI: CASADO HERRÁEZ, ANTONIO.

ECL.2019/054. A Randomized, Double-Blind, Controlled Phase 3 Study of Cabozantinib in Combination with Nivolumab and Ipilimumab versus Nivolumab and Ipilimumab in Subjects with Previously Untreated

Advanced or Metastatic Renal Cell Carcinoma of Intermediate or Poor Ris. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.2019/056. Ensayo Clínico de fase III, doble ciego y aleatorizado, para evaluar la eficacia y seguridad de capivasertib + paclitaxel en comparación con un placebo + paclitaxel como tratamiento de primera línea en pacientes con cáncer de mama triple negativo (CMTN) I. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.2019/060. Estudio de fase 3, aleatorizado y doble ciego para evaluar pembrolizumab (MK-3475) perioperatorio + quimioterapia neoadyuvante frente a un placebo perioperatorio + quimioterapia neoadyuvante en participantes con cáncer de vejiga con invasión muscular que. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.2019/061. Estudio de fase 3 aleatorizado de cistectomía más pembrolizumab perioperatorio frente a cistectomía sola en participantes con cáncer de vejiga con invasión muscular que no son aptos para recibir cisplatino (KEYNOTE-905). PI: PUENTE VÁZQUEZ, JAVIER.

ECL.2019/076. Estudio en fase III, abierto, multicéntrico, aleatorizado para comparar NUC-1031 más cisplatino con gemcitabina más cisplatino en pacientes con cáncer de vías biliares localmente avanzado o metastásico sin tratamiento previo. / A Phase III Open-Label, Mul. PI: SASTRE VALERA, JAVIER.

ECL.2019/078. Ensayo de extensión de fase III, abierto y multicéntrico para estudiar la seguridad y la eficacia a largo plazo en participantes con tumores avanzados que actualmente están en tratamiento o en seguimiento en un ensayo de pembrolizumab. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.2019/086. Estudio de fase 3, aleatorizado y abierto de pembrolizumab (MK-3475) más lenvatinib (E7080/MK-7902) frente a quimioterapia para el tratamiento de primera línea del carcinoma endometrial avanzado o recurrente (LEAP-001). PI: CASADO HERRÁEZ, ANTONIO.

ECL.2019/091. "A phase II, open-label, biomarker-guided study of Carboplatin efficacy in pretreated metastatic castration-resistant Prostate Cancer (mCRPC) / Estudio de fase II, abierto, guiado por biomarcadores de la eficacia de carboplatino en pacientes con cáncer de. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.2019/103. Estudio en fase II/III, multicéntrico, aleatorizado, controlado con placebo, de gemcitabina más cisplatino con o sin M7824 (bintrafusp alfa) como tratamiento de primera línea del cáncer de las vías biliares. PI: SASTRE VALERA, JAVIER.

ECL.2019/108. Ensayo Clínico de Fase III, Aleatorizado, Doble Ciego, sobre Quimioterapia Neoadyuvante con Atezolizumab o Placebo en Pacientes con Cáncer de Mama Triple Negativo, seguida de Adyuvancia con Atezolizumab o Placebo. PI: MORENO ANTÓN, FERNANDO.

ECL.2019/118. Estudio fase 3, aleatorizado, multicéntrico, doble ciego, controlado con placebo, de nivolumab frente a placebo en combinación con quimioterapia neoadyuvante y tratamiento hormonal adyuvante en pacientes con cáncer de mama primario de alto riesgo, recepto. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.2019/123. ESTUDIO EN FASE III, ALEATORIZADO, DOBLE CIEGO Y CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE GDC-0077 MÁS PALBOCICLIB Y FULVESTRANT EN COMPARACIÓN CON PLACEBO MÁS PALBOCICLIB Y FULVESTRANT EN PACIENTES CON CÁNCER DE MAMA LOCALMENTE A. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.2019/128. Estudio multicéntrico, abierto, fase II, para evaluar la eficacia y seguridad de Niraparib más un inhibidor de la aromatasa, en pacientes con cáncer de mama metastásico con receptor hormonal positivo (HR) Positivo/ Receptor 2 del factor de crecimiento epid. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.2019/134. Estudio de fase III, aleatorizado y doble ciego de pamrevlumab o placebo en combinación con gemcitabina más nab-paclitaxel como tratamiento neoadyuvante en pacientes con cáncer pancreático localmente avanzado irresecable. PI: SASTRE VALERA, JAVIER.

ECL.2019/138. Ensayo de fase 3, multicéntrico, aleatorizado, con doble enmascaramiento y controlado con placebo de Infigratinib para el tratamiento adyuvante de sujetos con carcinoma urotelial invasivo con alteraciones genéticas susceptibles de FGFR3 (PROOF 302). PI: PUENTE VÁZQUEZ, JAVIER.

ECL.2019/141. "A Phase 1b Dose-Escalation Study of Cabozantinib (XL184) Administered Alone or in Combination with Atezolizumab to Subjects with Locally Advanced or Metastatic Solid Tumors". "Estudio de fase Ib de aumento escalonado de la dosis de cabozantinib (XL184) s. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.2019/142. Estudio en fase III aleatorizado y doble ciego para evaluar la eficacia y la seguridad de capivasertib + fulvestrant frente a placebo + fulvestrant como tratamiento para el cáncer de mama localmente avanzado (inoperable) o metastásico con receptor hormona. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.2019/145. Estudio de fase 1/2, abierto y multicéntrico para investigar la seguridad y la eficacia preliminar del NKTR-214 en combinación con pembrolizumab en pacientes con tumores sólidos localmente avanzados o metastásicos. PI: AGUADO DE LA ROSA, CARLOS.

ECL.2019/146. Ensayo clínico fase II multicéntrico aleatorizado para evaluar la eficacia y seguridad de la combinación de nivolumab y paclitaxel en primera línea de tratamiento en pacientes con carcinoma escamoso de cabeza y cuello recurrente o metastásico no candidato. PI: PÉREZ SEGURA, PEDRO.

ECL.2019/152. El estudio OVAL: Estudio aleatorizado, controlado, de dos grupos, doble ciego y multicéntrico de ofranergene obadenovec (VB-111) combinado con paclitaxel frente a paclitaxel combinado con placebo para el tratamiento del cáncer de ovario resistente al plat. PI: CASADO HERRÁEZ, ANTONIO.

ECL.2019/157. Estudio clínico de fase 3, multicéntrico, aleatorizado, doble ciego y con control activo para evaluar la seguridad y la eficacia de lenvatinib (E7080/MK-7902) con pembrolizumab (MK-3475) en combinación con quimioembolización transarterial (QETA) en compar. PI: SASTRE VALERA, JAVIER.

ECL.21/001. ESTUDIO DE FASE III, ALEATORIZADO, EN DOBLE CIEGO Y CONTROLADO CON PLACEBO, DE PLATINO Y PEMETREXED COMO QUIMIOTERAPIA MÁS OSIMERTINIB FRENTE A PLATINO Y PEMETREXED COMO QUIMIOTERAPIA MÁS PLACEBO EN PACIENTES CON CÁNCER DE PULMÓN NO MICROCÍTICO CON MUTACI. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.21/026. ESTUDIO DE FASE III, ABIERTO Y ALEATORIZADO DE ATEZOLIZUMAB CON LENVATINIB O SORAFENIB EN COMPARACIÓN CON LENVATINIB O SORAFENIB EN MONOTERAPIA EN CARCINOMA HEPATOCELULAR TRATADO PREVIAMENTE CON ATEZOLIZUMAB Y BEVACIZUMAB. PI: SASTRE VALERA, JAVIER.

ECL.21/051. ESTUDIO DE FASE 3, ALEATORIZADO, DOBLE CIEGO, CONTROLADO CON PLACEBO, EN EL QUE SE EVALÚA ABEMACICLIB CON LA HORMONOTERAPIA ADYUVANTE DE REFERENCIA EN PARTICIPANTES CON CÁNCER DE MAMA HR+, HER-2+, DE RIESGO ALTO Y CON AFECTACIÓN GANGLIONAR, QUE HAYAN COMP. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.21/053. "ESTUDIO EN FASE III ALEATORIZADO DE MRTX849 EN COMPARACIÓN CON DOCETAXEL EN PACIENTES CON CÁNCER DE PULMÓN NO MICROCÍTICO Y MUTACIÓN G12C DE KRAS PREVIAMENTE TRATADO. A RANDOMIZED PHASE 3 STUDY OF MRTX849 VERSUS DOCETAXEL IN PATIENTS WITH PREVIOUS. PI: AGUADO DE LA ROSA, CARLOS."

ECL.21/054. ESTUDIO DE FASE III, PROSPECTIVO, ALEATORIZADO, ABIERTO E INTERNACIONAL EN EL QUE SE COMPARA 177LU-PSMA-617 EN COMBINACIÓN CON EL TRATAMIENTO DE REFERENCIA CON EL TRATAMIENTO DE REFERENCIA EN MONOTERAPIA EN PACIENTES VARONES ADULTOS CON CÁNCER DE PRÓSTATA. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.21/055. ESTUDIO DE FASE III, MULTICÉNTRICO, ALEATORIZADO Y ABIERTO EN EL QUE SE COMPARA 177LU-PSMA-617 FRENTE A UN CAMBIO DE TERAPIA DIRIGIDA AL RECEPTOR DE ANDRÓGENOS EN EL TRATAMIENTO DE HOMBRES CON CÁNCER DE PRÓSTATA METASTÁSICO PROGRESIVO RESISTENTE A LA CAST. PI: PUENTE VÁZQUEZ, JAVIER.

ECL.21/096. ENSAYO FASE II, MULTICÉNTRICO Y ABIERTO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DEL TRASTUZUMAB DERUXTECAN (T-DXD, DS-8201A) PARA EL TRATAMIENTO DE TUMORES SELECCIONADOS QUE EXPRESAN HER2 (DESTINY-PANTUMOR02). A PHASE II, MULTICENTER, OPEN-LABEL STUDY T. PI: MANZANO FERNÁNDEZ, ARÁNZAZU."

ECL.21/123. ASSESSMENT OF EARLY RESISTANCE MECHANISMS TO FIRST-LINE OSIMERTINIB IN EGFR-MUTANT NON-SMALL-CELL LUNG CANCER (NSCLC) USING SPATIAL TRANSCRIPTOMICS. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.21/125. ENSAYO CLÍNICO FASE II DE ATEZOLIZUMAB CON QUIMIOTERAPIA DE INDUCCIÓN MÁS QUIMIORADIOTERAPIA Y TERAPIA DE MANTENIMIENTO CON ATEZOLIZUMAB EN PACIENTES CON CÁNCER DE PULMÓN NO MICROCÍTICO (CPNM) ESTADIO IIIA-IIIb NO RESECABLE. PI: AGUADO DE LA ROSA, CARLOS.

ECL.21/142. SERENA-4: ENSAYO DE FASE III ALEATORIZADO, MULTICÉNTRICO, DOBLE CIEGO, DE AZD9833 (UN SERD, DEGRADADOR SELECTIVO DEL RE, ORAL) MÁS PALBOCICLIB EN COMPARACIÓN CON ANASTROZOL MÁS PALBOCICLIB PARA EL TRATAMIENTO DE PACIENTES CON CÁNCER DE MAMA AVANZADO CON R. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.21/143. ESTUDIO DE FASE 1B/2 DEL DOBLE INHIBIDOR MDMX/MDM2, ALRN-6924, PARA LA PREVENCIÓN DE LA MIELOSUPRESIÓN INDUCIDA POR QUIMIOTERAPIA. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.21/181. ESTUDIO DE FASE 2, MULTICÉNTRICO Y DE VARIOS GRUPOS PARA EVALUAR PEMBROLIZUMAB (MK-3475) O MK-1308A (COFORMULACIÓN DE QUAVONLIMAB (MK-1308)/ PEMBROLIZUMAB) EN PARTICIPANTES CON CÁNCER COLORRECTAL EN ESTADIO IV CON INESTABILIDAD DE MICROSATÉLITES ALTA (MSI. PI: SASTRE VALERA, JAVIER.

ECL.21/182. ESTUDIO DE FASE 2, ABIERTO, ALEATORIZADO, PARA EVALUAR SAR408701 COMBINADO CON PEMBROLIZUMAB Y PARA EVALUAR PEMBROLIZUMAB SOLO EN PACIENTES CON CARCINOMA PULMONAR NO MICROCÍTICO NO ESCAMOSO (CPNM NE) AVANZADO/METASTÁSICO CEACAM5 Y PD-L1 POSITIVO. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS.

ECL.21/206. RADIOTERAPIA A DOSIS BAJAS EN COVID-19: IMPACTO EN LA MORTALIDAD LowRad2-Cov19. PI: VÁZQUEZ MASEDO, MANUEL GONZALO.

ECL.21/226. ESTUDIO DE FASE 1A/B EN EL QUE SE EVALÚA LY3484356 EN MONOTERAPIA Y EN COMBINACIÓN CON ABEMACICLIB EN PACIENTES CON CÁNCER DE MAMA METASTÁSICO O LOCALMENTE AVANZADO ER+ Y HER2-. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.21/278. "Estudio retrospectivo epidemiológico de revisión de historias clínicas, sobre las características de pacientes, patrones de tratamiento y utilización de recursos en pacientes con cáncer urotelial localmente avanzado. (La) o metastásico (mUC) en España. PI: PUENTE VÁZQUEZ, JAVIER."

ECL.21/294. EMBER-3: ESTUDIO DE FASE 3, ALEATORIZADO, ABIERTO, EN EL QUE SE COMPARA LY3484356 CON LA HORMONOTERAPIA DE PREFERENCIA DEL INVESTIGADOR EN PACIENTES CON CÁNCER DE MAMA LOCALMENTE AVANZADO O METASTÁSICO, CON EXPRESIÓN DE RECEPTORES ESTROGÉNICOS Y SIN SOBRE. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.21/330. CA125 EN SUPERFICIE CELULAR COMO BIOMARCADOR DE RECAÍDAS EN CÁNCER DE OVARIO. PI: MARQUINA OSPINA, GLORIA.

ECL.21/409. ESTUDIO DE FASE 3, ALEATORIZADO, CONTROLADO CON PLACEBO, DOBLE CIEGO, DE VIMSELTINIB PARA EVALUAR LA EFICACIA Y SEGURIDAD EN PACIENTES CON TUMOR TENOSINOVIOL DE CÉLULAS GIGANTES (MOTION). PI: CASADO HERRÁEZ, ANTONIO.

ECL.21/438. ESTUDIO EN FASE IIB, ABIERTO, DE UN SOLO GRUPO Y MULTICÉNTRICO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE ADAVOSERTIB COMO TRATAMIENTO DEL CARCINOMA SEROSO UTERINO RECURRENTE O PERSISTENTE. PI: MARQUINA OSPINA, GLORIA.

ECL.21/479. BLI-O. DESARROLLO DE MARCADORES MOLECULARES EN BIOPSIA LÍQUIDA PARA LARGA SUPERVIVENCIA EN ONCOINMUNOTERAPIA. PI: GONZÁLEZ LARRIBA, JOSÉ LUÍS."

ECL.21/505. daNIS-3: ESTUDIO PLATAFORMA DE FASE II, MULTICÉNTRICO Y ABIERTO QUE EVALÚA LA EFICACIA Y LA SEGURIDAD DE NIS793 Y OTRAS COMBINACIONES DE NUEVOS FÁRMACOS EN INVESTIGACIÓN CON EL TRATAMIENTO DE REFERENCIA CONTRA EL CÁNCER PARA LA SEGUNDA LÍNEA DE TRATAMIENT. PI: GARCÍA PAREDES, BEATRIZ.

ECL.21/510. ENSAYO FASE III, ALEATORIZADO, DOBLE CIEGO, PARA EVALUAR EL CAMBIO A AZD9833 (SERD ORAL DE NUEVA GENERACIÓN) + INHIBIDOR DE CDK4 /6 (PALBOCICLIB O ABEMACICLIB) FRENTE A CONTINUAR CON INHIBIDOR DE LA AROMATASA (LETROZOL O ANASTROZOL) + INHIBIDOR DE CDK4/6. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.21/516. ESTUDIO DE FASE 3 DE MK-4280A (FAVEZELIMAB [MK-4280]) EN COFORMULACIÓN CON PEMBROLIZUMAB [MK-3475]) EN COMPARACIÓN CON EL TRATAMIENTO DE REFERENCIA EN PARTICIPANTES CON CÁNCER COLORRECTAL METASTÁSICO POSITIVO PARA PD-L1 TRATADOS PREVIAMENTE. PI: SASTRE VALERA, JAVIER.

ECL.21/581. RETROSPECTIVE MULTICENTER STUDY OF ELDERLY PATIENTS WITH OVARIAN CANCER TREATED WITH TRABECTEDIN AND PLD ACCORDING TO SMP. ESTUDIO RETROSPECTIVO Y MULTICÉNTRICO DE PACIENTES ANCIANAS CON CÁNCER DE OVARIO TRATADAS CON TRABECTEDINA Y DOXORRUBICINA LIPOSOMA. PI: MANZANO FERNÁNDEZ, ARÁNZAZU."



FMA.M02PFI. Financiación Proyecto "Retrospective observational análisis of Palbociclib treatment in patients with first line therapy for advanced or metastatic breast cancer" (Promotor FIBHCSC). PI: MORENO ANTÓN, FERNANDO.

JPV.C02AST. El objeto del Convenio consiste en que ASTELLAS contribuye a que la FIBHCSC pueda llevar a cabo la actividad. Los fondos irán destinados a la ejecución del Proyecto "Desarrollo de herramientas de gestión de ensayos clínicos urológicos y digitalización de d. PI: PUENTE VÁZQUEZ, JAVIER. Funding organisation: ASTELLAS PHARMA, S.A..

PPS.C02CRIS. Convenio de colaboración para la realización del proyecto IMMUNOLOGIC PROGRAM GRANT AT THE EXPERIMENTAL THERAPEUTICS UNIT AT HOSPITAL CLINICO SAN CARLOS. PI: OCAÑA FERNANDEZ, ALBERTO. Funding organisation: FUNDACION CRIS DE INVESTIGACION PARA VENCER EL CANCER.

SCC.F01MER. Contrato de donación para llevar a cabo "ESTUDIO DE BIOMARCADORES DE RESPUESTA Y MECANISMOS DE RESISTENCIA A LOS INHIBIDORES DEL EJE PD-1/PD-L1 EN PACIENTES CON CÁNCER DE CABEZA Y CUELLO". PI: CABEZAS CAMARERO, SANTIAGO. Funding organisation: MERCK, S.L.U.

AMF.M01AST. Financiación estudio MOLECULAR CHARACTERIZATION OF BRCAmut OVARIAN TUMORS AND IDENTIFICATION OF MECHANISMS OF RESISTANCE AND RESPONSE TO OLAPARIB TREATMENT". Estudio RESPOLA. PI: MANZANO FERNÁNDEZ, ARÁNZAZU. Funding organisation: ASTRAZENCA FARMACEUTICA SPAIN S.A..

ECL.15/451. ENSAYO CLINICO DE FASE Ib/II, ALEATORIZADO, DE BI 836845 EN COMBINACIÓN CON EXEMESTANO Y EVEROLIMUS FRENTE A EXEMESTANO Y EVEROLIMUS EN MUJERES CON CANCER DE MAMA LOCALMENTE AVANZADO O METASTASICO. PI: GARCÍA SÁENZ, JOSÉ ÁNGEL.

ECL.20/198. ENSAYO MULTICOHORTE FASE II DE TRABECTEDINA Y DOSIS BAJAS DE RADIOTERAPIA EN SARCOMAS AVANZADOS/METASTÁSICOS. PHASE II MULTICOHORT TRIAL OF TRABECTEDIN AND LOW-DOSE RADIATION THERAPY IN ADVANCED/METASTATIC SARCOMAS". PI: CASADO HERRÁEZ, ANTONIO."

ECL.20/511. Sym021-02: An Open-Label, Multicenter Phase 1b Dose-Expansion Trial to Determine the safety and Anti-tumor activity of Sym021(Anti-PD-1) in Combination with either Sym022 (Anti-LAG-3) or Sym023 (Anti-TIM-3) in Patients with Advanced Malignancies". PI: MANZANO FERNÁNDEZ, ARÁNZAZU.

ECL.20/561. PROYECTO TUMORES GERMINALES DE! TESTÍCULO - Caracterización genética e inmunológica de un fenotipo resistente de Itumores germinales Itesticulares. PI: SASTRE VALERA, JAVIER.

EDR.M02COL. ACTIVIDADES DE COLABORACION DEL DR. EDUARDO DÍAZ-RUBIO. PI: PÉREZ SEGURA, PEDRO.

## ONC.2 Cancer and Obesity

### Competitive funding

FIS.190073. Obesidad, microbiota y función telomérica en cáncer. Relevancia de la microbiota en el eje intestino-pulmón. PI: TORRES GARCÍA, ANTONIO JOSÉ. Funding organisation: INSTITUTO DE SALUD CARLOS III.

### Non competitive funding

ECL.14/177. INFUSIÓN DE CELULAS CD133+, EN PACIENTES CON METÁSTASIS HEPÁTICAS DE ORIGEN COLORRECTAL QUE VAN A SER SOMETIDOS A UNA RESECCIÓN HEPÁTICA MAYOR (CELLCOL). PI: GARCIA BOTELLA, ALEJANDRA.

ECL.15/301. Ensayo Clínico Fase III, prospectivo, aleatorizado, doble ciego, de quimioterapia adyuvante con MEDI4736 versus placebo en pacientes con cáncer de pulmón no microcítico con resección completa. PI: HERNANDO TRANCHO, FLORENTINO.

ECL.20/121. PREMAS STUDY - PREvalence of MAlnutrition in gastrointestinal Surgical oncology patients (Prevalencia de la desnutrición en pacientes oncológicos sometidos a cirugía gastrointestinal). PI: SÁNCHEZ PERNAUTE, ANDRÉS.

## ONC.3 Pathological Anatomy

### Competitive funding

PT20/00074. PLATAFORMA DE BIOBANCOS Y BIOMODELOS. PI: ORTEGA MEDINA, LUIS. Funding organisation: INSTITUTO DE SALUD CARLOS III.

## ONC.4 Cell Signaling Mechanisms during Development and Tumor Progression

### Competitive funding

PID2019-104143-RB-C22. Nuevas funciones de C3G en la progresión tumoral, la fisiología hepática y la biología de megacariocitos y plaquetas. Contribución de C3G plaquetario a la neoangiogénesis patológica y al daño hepático. PI: PORRAS GALLO, ALMUDENA. Funding organisation: MINISTERIO DE CIENCIA E INNOVACION.

RTI2018-099098-B-100. Acotando las acciones e interacciones entre los RTKs (Met, EGFR) y BMP-9 durante el daño hepático colestático crónico. Células progenitoras e inflamación en primera línea. PI: Aránzazu Sánchez Muñoz y Blanca Herrera González. Funding organisation: MINISTERIO DE CIENCIA E INNOVACION.

PID2019-104991RB-I00. Descifrando la función de las neuropilinas y las plexinas en la regulación del destino celular de las células tumorales diseminadas y la formación de metástasis. PI: Paloma Bragado Domingo. Funding organisation: MINISTERIO DE CIENCIA E INNOVACION.

PID2020-117650RA-I00. Utilización de la tecnología CRISPR/Cas9 para identificar nuevos marcadores en cáncer de próstata metastático. PI: Alvaro Gutiérrez Uzquiza. Funding organisation: MINISTERIO DE CIENCIA E INNOVACION.

2021-5ºBMD-20956. Genome-scale screening to identify and validate novel genes essential for prostate cancer metastasis. PI: Alvaro Gutiérrez Uzquiza. Funding organisation: Comunidad de Madrid-UCM.

FD5/21\_01. Hemangioblastomas de SNC en la enfermedad de VHL: edición génica para la creación de un modelo murino. PI: Ángel Cuesta Martínez. Funding organisation: Alianza Española de Familias von Hippel-Lindau.

## ONC.5 Cannabinoid Signaling in Tumor Cells

### Competitive funding

PID2019-124632OB-I00. Modificación del microambiente tumoral para la mejora de la respuesta terapéutica en cáncer de mama metastático. PI: SONIA CASTILLO LLUVA. Funding organisation: aei.

IFI18/00036. CONTRATOS I-PFIS: ESTIBALIZ GABICAGOGEOASCOA CORTA. PI: VELASCO DÍEZ, GUILLERMO. Funding organisation: INSTITUTO DE SALUD CARLOS III.

CT4/21/PEJ-2020-AI/BMD-18534. Contrato ayudante de Investigación CAM (Elena Tovar Ambel). PI: VELASCO DÍEZ, GUILLERMO. Funding organisation: PEJ COMUNIDAD DE MADRID.

CT4/21/PEJ-2020-AI/BMD-18623. Contrato ayudante de Investigación CAM (Paola Martín Cabrera). PI: MAR LORENTE PÉREZ. Funding organisation: PEJ COMUNIDAD DE MADRID.

FPU17/01497. CONTRATO FPU (Ana García Casas). PI: VELASCO DÍEZ, GUILLERMO. Funding organisation: PROGRAMA DE FORMACIÓN DE PERSONAL UNIVERSITARIO.

RTI2018-094130-B-I00. Diseño de una nueva estrategia para bloquear la metástasis a través de la inhibición de la SUMOilación de RAC1. PI: SONIA CASTILLO LLUVA. Funding organisation: AEI.



## Non competitive funding

UCM-4157628. Pre-clinical assessment of efficacy of bevacizumab in combination with cannabinoids in glioma models in vitro and in vivo. PI: VELASCO DÍEZ, GUILLERMO. Funding organisation: NEURON CONSULTING.

## ONC.6 Women's Health Research Group

### Non competitive funding

21/029-E. DETECCIÓN DE HÍBRIDOS PRO-METASTÁSICOS EN EL TUMOR PRIMARIO, METASTÁTICO Y LA CIRCULACIÓN PERIFÉRICA DE PACIENTES CON CÁNCER DE MAMA: UNA ESTRATEGIA PARA SU DESACTIVACIÓN. DETECTION OF PRO-METASTATIC HYBRIDS IN PRIMARY TUMOUR, PERIPHERAL BLOOD AND METASTA. PI: HERRERA DE LA MUELA, MARIA JOSEFA."

ECL.15/433. Estudio multicéntrico fase IV, observador ciego, aleatorizado, cruzado, controlado con placebo para evaluar la inmunogenicidad y seguridad de una dosis única de Boostrix® en mujeres embarazadas. PI: ASENJO DE LA FUENTE, JUAN ELOY.

ECL.15/563. Estudio multicéntrico de fase IV, abierto, no aleatorizado para evaluar la inmunogenicidad y seguridad de Infanrix hexa® administrada como vacunación primaria en niños sanos, nacidos de madres que recibieron Boostrix® durante el embarazo o en el postparto. PI: ASENJO DE LA FUENTE, JUAN ELOY.

ECL.18/367. Biopsia selectiva de ganglio centinela tras Neoadyuvancia en pacientes con cáncer de mama N1 con respuesta radiológica completa axilar. PI: HERRERA DE LA MUELA, MARIA JOSEFA.

ECL.20/216. Estado de Salud y Calidad de vida en supervivientes a largo plazo de cáncer de mama: Estudio VALOR. PI: HERRERA DE LA MUELA, MARIA JOSEFA. Funding organisation: HERRERA DE LA MUELA, MARIA JOSEFA.

ECL.20/675. "A randomized, double-blind, open for active comparator, parallel-group, multicenter Phase 2b study to assess the efficacy and safety of three different doses of P2X3 antagonist (BAY 1817080) versus placebo and elagolix 150 mg in women with symptomatic en. PI: CRISTOBAL GARCÍA, IGNACIO.

ECL.20/801. ESTUDIO OBSERVACIONAL, PROSPECTIVO Y MULTICÉNTRICO PARA ESTIMAR LA TASA DE CONTINUACIÓN Y LA ACEPTABILIDAD DEL PATRÓN DE SANGRADO EN MUJERES QUE USAN POR PRIMERA VEZ UN SLI-LNG DE BAJA DOSIS. PI: CRISTOBAL GARCÍA, IGNACIO.

ECL.21/009. ESTILO DE VIDA Y FACTORES PREDICTIVOS DE AUMENTO PONDERAL EN PACIENTES CON CÁNCER DE MAMA. PI: BRENES SANCHEZ, JUANA MARIA.

ECL.21/201. IMPLICACIONES PSICOLÓGICAS DE LAS CIRUGÍAS REDUCTORAS DE RIESGO EN PROCESOS ONCOLÓGICOS DE CÁNCER HEREDOFAMILIAR. PI: OLIVARES CRESPO, M<sup>a</sup> EUGENIA.

ECL.21/295. ESTUDIO DE LA IMPLICACIÓN DE LOS TELÓMEROS EN EL ENVEJECIMIENTO Y LA DISFUNCIÓN/INFERTILIDAD DE LOS OVARIOS. "UNDERSTANDING THE IMPLICATION OF THE TELOMERE PATHWAY IN OVARIAN AGING AND DYSFUNCTION/INFERTILITY.". PI: CRISTOBAL GARCÍA, IGNACIO.

PCM.M04MSD. Estudio de la efectividad de la vacuna profiláctica frente al virus del papiloma humano en la prevención de recurrencia en mujeres que han recibido una terapia escisional por HSIL/CIN: Estudio VENUS. PI: CORONADO MARTÍN, PLUVIO JESÚS. Funding organisation: MERCK SHARP & DOHME DE ESPAÑA S.A.

# Advanced Technologies and Model Translation

## TEC.1 Cell-biomaterial Interactions (BIO UCM)

### Competitive funding

H2020-FETOPEN-2018-2019-2020-01 (Referencia 829060). "A step forward to spinal cord injury repair using innovative stimulated nanoengineered scaffolds". PI: María Teresa Portolés Pérez. Funding organisation: European Union's Horizon 2020 research and innovation programme.

## TEC.2 Organ and tissue on chip group and In-Vitro detection

### Competitive funding

ID: 844464. Multiplexed biosensing and tissue-on-a-chip integrated platform for breast cancer biomarkers monitoring. PI: Miguel Holgado. Funding organisation: Comision Europea.

ID: 768641. Point-of-care device based on KETs for diagnosis of food allergies. PI: Miguel Holgado. Funding organisation: Comision Europea.

COVIDTECH-CM. Plataforma científico-tecnológica para el pronóstico, diagnóstico y seguimiento de la enfermedad covid19 (COVIDTECH-CM). PI: Miguel Holgado. Funding organisation: Comunidad de Madrid.

S2018/BAA-4480. Nuevas tecnologías de fabricación y optimización de tejidos: la piel como sistema modelo (BIOPIELTEC-CM). PI: Miguel Holgado. Funding organisation: Comunidad de Madrid.

IND2018/BIO9650. Biosensor, Plataforma de lectura, screening, VIH, Detección Óptica, Detección molecular, nanopartículas, amplificación refractométrica, p24. PI: Miguel Holgado. Funding organisation: Comunidad de Madrid.

PT20/00074. Plataformas ISCIII de apoyo a la I+D+I en Biomedicina y Ciencias de la Salud. PI: Luis Ortega. Funding organisation: ISCIII.

NON COMPETITIVE FUNDING

VIMPACTO20MHB. Piloto de investigación, voluntario experimental y no vinculante para detección precoz, vigilancia y control de covid-19. PI: Miguel Holgado. Funding organisation: Universidad Politécnica de Madrid. Programa Propio.

## TEC.3 Pharmaceutical Innovation in Ophthalmology

### Competitive funding

RED.16/0008/0009. RED OFTARED. PI: ROCÍO HERRERO VANRELL. Funding Organisation: INSTITUTO DE SALUD CARLOS III.

## TEC.4 Biomaterials and Regenerative Medicinerative Medicine

### Competitive funding

MODBIOMAT. Modulación de la respuesta a biomateriales de titanio funcionalizados. PI: José Pérez Rigueiro. Funding organisation: Ministerio de Economía y Competitividad.

NEUROCENTRO-CM B2017/BMD-3760. Centro Tecnológico para el Estudio y Tratamiento Integrado de los Desórdenes Neurológicos. PI: Gustavo Guinea Tortuero. Funding organisation: Comunidad de Madrid.

COVIDTECH -CM. PLATAFORMA CIENTÍFICO-TECNOLÓGICA PARA EL PRONÓSTICO, DIAGNÓSTICO Y SEGUIMIENTO DE LA ENFERMEDAD COVID19. PI: Gustavo Guinea Tortuero. Funding organisation: Comunidad de Madrid.

TEC4BIO. NUEVAS TECNOLOGÍAS APLICADAS AL ESTUDIO DE NANOMÁQUINAS BIOLÓGICAS. PI: Gustavo Plaza Baonza. Funding organisation: Comunidad de Madrid.

## TEC.6 Applied Research in Neuroscience (to: Neuromodulation and Neurorepair)

### Competitive funding

JBA.PAID.17. NEUROCENTRO-CM. PI: BARCIA ALBACAR, JUAN ANTONIO. Funding organisation: CONSEJERIA DE EDUCACIÓN, JUVENTUD Y DEPORTE.

JBA.YEI.20. Ayudas para la contratación de ayudantes de investigación y técnicos de laboratorio. PI: BARCIA ALBACAR, JUAN ANTONIO. Funding organisation: CONSEJERIA DE EDUCACIÓN, JUVENTUD Y DEPORTE.

### NON COMPETITIVE FUNDING

ECL.16/006. Registro de ECP Vercise (A4010): Registro de estimulación cerebral profunda con el sistema VERCISE. PI: ALONSO FRECH, FERNANDO.

ECL.18/365. Registro de vigilancia de productos (PSR) para el tratamiento de estimulación cerebral profunda en pacientes con síndrome obsesivo compulsivo. PI: BARCIA ALBACAR, JUAN ANTONIO.

ECL.20/372. Ensayo clínico multicéntrico, aleatorizado, controlado con principio activo, doble ciego, con doble simulación, de grupos paralelos para evaluar la eficacia, seguridad y tolerabilidad de una infusión subcutánea continua de ND0612 en comparación con el tra. PI: ALONSO FRECH, FERNANDO.

ECL.21/050. A PHASE IIB, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, MULTICENTER STUDY TO EVALUATE THE EFFICACY AND SAFETY OF INTRAVENOUS PRASINEZUMAB IN PARTICIPANTS WITH EARLY PARKINSON'S DISEASE. ESTUDIO EN FASE IIB, ALEATORIZADO, CON DOBLE ENMASCARAMIENTO, COMP. PI: ALONSO FRECH, FERNANDO."

JBA.M01BOS. Convenio investigación clínica con Producto sanitario realización proyecto "Ventral tegmental area (VTA) deep brain stimulation (DBS) with segmented electrodes in refractory schizophrenia". PI: BARCIA ALBACAR, JUAN ANTONIO. Funding organisation: BOSTON SCIENTIFIC GROUP PLC.

## TEC.7 Innovation: Surgery, Pharmaceuticals and Neuroengineering

### Competitive funding

GRAVITATE HEALTH (IMI. Innovative Medicines Initiative (IMI) lanza un proyecto de investigación mundial de 5 años, Gravitare-Health, que tiene como objetivo mejorar el acceso y la comprensión de la información sanitaria, el uso seguro de los medicamentos, la minimización de riesgos y la mejora de la calidad de vida). PI: Funding organisation: IMI.

COVIDX (H2020. Se trata de un programa de aceleración único en Europa: una iniciativa de 2 años que invertirá 4 millones de euros para acelerar la comercialización de más de 30 soluciones europeas de tecnología de datos con el potencial de superar los desafíos de COVID-19.). PI: Funding organisation: H2020.

Ruta innovación: Circuito robot+Ps. PI: .

EUR.GRAVITATE. Empowering and Equipping Europeans with health information for Active Personal Health Management and Adherence to Treatment. PI: LUACES MÉNDEZ, MARÍA. Funding organisation: COMISIÓN EUROPEA.

EUR.ODIN. Leveraging AI based technology to transform the future of health care delivery in Leading Hospitals in Europe. PI: LUACES MÉNDEZ, MARÍA. Funding organisation: COMISIÓN EUROPEA.

### NON COMPETITIVE FUNDING

ECL.20/435. COvidMEdicatiOn (COMET) study; a retrospective cohort study: rationale and design. ABSTRACT ESTUDIO COMET. PI: MARTÍNEZ SESMERO, JOSÉ MANUEL. Funding organisation: MARTÍNEZ SESMERO, JOSÉ MANUEL.

ECL.20/387. Salud Individual y Colectiva, evaluación del desarrollo y aplicación de la Telefarmacia (#TeleFarmaciaHCSC #QuedateEnCasa). PI: MARTÍNEZ SESMERO, JOSÉ MANUEL. Funding organisation: MARTÍNEZ SESMERO, JOSÉ MANUEL.

BDCLIN (Uso inteligente de datos. Proyecto para la generación de un repositorio institucional de datos del Hospital Clínico San Carlos, procedentes de los registros clínicos y de resultados utilizadas para el diagnóstico y seguimiento de los pacientes con afectación posible, probable o confirmada por el Nuevo Coronavirus SARS-CoV-2 (enfermedad Covid-19), con una estrategia de trabajo multidisciplinar orientada a producir modelos descriptivos y predictivos de la evolución de pacientes mediante analítica tradicional y avanzada de datos.). PI: Funding organisation: hcsc.

DEPSTAGE (Cómo se ajusta el tratamiento de la DEPRESIÓN en la práctica de rutina a una Guía de Práctica clínica basada en un modelo de estadije.). PI: Funding organisation: hcsc.

HITX. PI: Funding organisation: LABORTORIOS SERVIER.

FORO CLÍNICO. PI: Funding organisation: AMGEN.

Albahaca. PI: Funding organisation: NA.

Oncología. PI: Funding organisation: NA.

Endocrinología. PI: Funding organisation: NovoNordisk.

Fuera de hora. PI: Funding organisation: NA.

Sandoval. PI: Funding organisation: NA.

Jornadas. PI: Funding organisation: Almirall-Janssen.

TICs. PI: Funding organisation: BI.

Transfarma. PI: Funding organisation: Organon.

BEIIPAC. PI: Funding organisation: FEFH.

Niraparib. PI: Funding organisation: FEFH.

iPARP. PI: Funding organisation: Javi.

Telefarmacia. PI: Funding organisation: UCB, Otsuka, etc.

MINERVA. PI: Funding organisation: Fresenius.

ESCORPIO. PI: Funding organisation: NA.

MICRAM. PI: Funding organisation: Teva.

Reels. PI: Funding organisation: Roche.

Chatbot. PI: Funding organisation: Akira.

## Other large systems

### OGS.1 Brain Glucose Sensors, Control of Satiety, Obesity and Type 2 Diabetes

#### Competitive funding

PR2007\_18/01. SIGNIFICACIÓN DEL HIPOMETABOLISMO CEREBRAL DE GLUCOSA Y DE LAS ALTERACIONES DE LA TRASDUCCIÓN DE SEÑALES DE INSULINA EN UN MODELO EXPERIMENTAL DE ESCLEROSIS LATERAL AMIOTRÓFICA (ELA). PI: ENRIQUE BLAZQUEZ/MIGUEL ANGEL POZO. Funding organisation: FUNDACIÓN RAMÓN ARECES.

### OGS.6 Diabetes and Cardiovascular

#### Competitive funding

PID2020-113361RB-I00. PAPEL DE LOS EXOSOMAS PORTADORES DE AMILINA HUMANA DE LAS CÉLULAS BETA PANCREÁTICAS EN CÉLULAS NEURONALES. CONEXIÓN ENTRE DIABETES Y ALZHEIMER. PI: CARLOS GUILLÉN VIEJO/MANUEL BENITO DE LAS HERAS. Funding organisation: AGENCIA ESTATAL DE INVESTIGACIÓN, MINECO.

### OGS.9 Endocrinology of Metabolic Diseases

#### Competitive funding

NGL.MINECO.19. DESARROLLO DE UNA HERRAMIENTA PARA LA DETERMINACIÓN DE RIESGO GENÉTICO Y PREVENCIÓN PERSONALIZADA DE LA DIABETES GESTACIONAL. PI: GARCÍA DE LA TORRE LOBO, NURIA. Funding organisation: MINISTERIO DE CIENCIA E INNOVACION.

PI20/01758. Interacción genotipo-dieta en el desarrollo de Diabetes Mellitus Gestacional y subsecuente riesgo cardiometabólico. PI: CALLE PASCUAL, ALFONSO LUIS. Funding organisation: INSTITUTO DE SALUD CARLOS III.

PMM.PAID.17. Diseño, mediante inteligencia artificial, algoritmos predictivos para la identificación de individuos en riesgo de desarrollar sobrepeso/obesidad y sus patologías asociadas. Aportación del análisis genético, (Estudio GenObIA-CM). PI: MATÍA MARTÍN, MARÍA PILAR. Funding organisation: CONSEJERÍA DE EDUCACIÓN, JUVENTUD Y DEPORTE.

#### Non competitive funding

ECL.15/343. Estudio I10933: Albiglutida frente a placebo en sujetos con diabetes mellitus tipo 1 de nueva aparición tratados con insulina. PI: CALLE PASCUAL, ALFONSO LUIS.

ECL.17/464. REGISTRO NACIONAL DE PACIENTES CON DIABETES TIPO 1. PI: CALLE PASCUAL, ALFONSO LUIS.

ECL.20/225. Genotype-Diet interaction in the development of Gestational Diabetes Mellitus and subsequent cardiometabolic risk. PI: CALLE PASCUAL, ALFONSO LUIS. Funding organisation: CALLE PASCUAL, ALFONSO LUIS.

ECL.20/824. EFFECT OF SUBCUTANEOUS SEMAGLUTIDE 2.4 MG ONCE-WEEKLY COMPARED TO PLACEBO IN SUBJECTS WITH OBESITY AND KNEE OSTEOARTHRITIS. PI: RUBIO HERRERA, MIGUEL ÁNGEL.

ECL.21/383. EFFICACY AND SAFETY OF SUBCUTANEOUS SEMAGLUTIDE 2.4 MG ONCE-WEEKLY IN SUBJECTS WITH OBESITY AND PREDIABETES. PI: RUBIO HERRERA, MIGUEL ÁNGEL.

### OGS.12 Clinical Pharmacology

#### Competitive funding

EUR.IDEAFast. Identifying Digital Endpoints to Assess Fatigue, Sleep and activity daily living in Neurodegenerative disorders and Immune-mediated inflammatory diseases – IDEA-FAST. PI: PORTOLÉS PÉREZ, ANTONIO. Funding organisation: COMISIÓN EUROPEA.

EUR.TREOCAPA CTU. Prophylactic treatment of the ductus arteriosus in preterm infants by acetaminophen- CTU. PI: PORTOLÉS PÉREZ, ANTONIO. Funding organisation: COMISIÓN EUROPEA.

PT20/00017. PLATAFORMA DE SOPORTE PARA LA INVESTIGACIÓN CLÍNICA. UICEC. PI: PORTOLÉS PÉREZ, ANTONIO. Funding organisation: INSTITUTO DE SALUD CARLOS III.

#### Non competitive funding

ECL.16/326. Riesgo de acidosis láctica asociado al uso de metformina en pacientes diabéticos tipo 2 con enfermedad renal crónica moderada-severa: estudio de casos y controles. PI: LAREDO VELASCO, LEONOR MARÍA.

ECL.20/312. EFECTIVIDAD Y SEGURIDAD DE TOCILIZUMAB EN LA NEUMONÍA INTERSTICIAL CON INSUFICIENCIA RESPIRATORIA GRAVE SECUNDARIA A INFECCIÓN POR SARS-COV-2: ESTUDIO DE COHORTES (TOCICOV-19). PI: CABRERA GARCIA, LOURDES.

ECL.20/624. Estudio de fase 2/3, aleatorizado, doble ciego, controlado con placebo en grupos paralelos, para evaluar la eficacia y la seguridad de CT-P59 en combinación con el tratamiento estándar en pacientes ambulatorios con infección por SARS-CoV-2. PI: PORTOLÉS PÉREZ, ANTONIO.

ECL.20/707. ESTUDIO OBSERVACIONAL RETROSPECTIVO CON REAL WORLD DATA SOBRE EFECTIVIDAD Y SEGURIDAD DE LOS NUEVOS ANTICOAGULANTES ORALES Y ACENOCUMAROL EN LA PREVENCIÓN DE ACONTECIMIENTOS ATEROTROMBÓTICOS EN PACIENTES DE LA COMUNIDAD DE MADRID. PI: VARGAS CASTRILLÓN, EMILIO.

ECL.20/752. COVID-19: A Phase 2b/3, Randomized, Observer-Blinded, Placebo Controlled, Multicenter Clinical Study Evaluating the Efficacy and Safety of Investigational SARS-CoV-2 mRNA Vaccine CVnCoV in Adults 18 Years of Age and Older. COVID-19: Estudio de fase 2b/3, a. PI: PORTOLÉS PÉREZ, ANTONIO."

ECL.2017/043. "Ensayo de fase III, abierto, aleatorizado, multicéntrico y controlado para evaluar la farmacocinética y farmacodinámica de edoxabán y comparar la eficacia y seguridad de edoxabán con un tratamiento estándar anticoagulante en SUJETOS pediátricos desde el. PI: VARGAS CASTRILLÓN, EMILIO.

ECL.21/292. ESTUDIO FASE 2B, ALEATORIZADO, DE GRUPOS PARALELOS, DOBLE CIEGO Y CONTROLADO CON PLACEBO, PARA EVALUAR LA SEGURIDAD, TOLERABILIDAD Y EFICACIA DE AZD8233 EN PACIENTES CON HIPERLIPIDEMIA (SOLANO). A RANDOMISED, PARALLEL, DOUBLE-BLIND, PLACEBO-CONTROLLED PH. PI: PORTOLÉS PÉREZ, ANTONIO."

21/528-E. ESTUDIO DE RESPUESTA DE INMUNOGENICIDAD DE LAS VACUNAS AUTORIZADAS CONTRA LA COVID-19 EN SUJETOS QUE HAN RECIBIDO OTRA VACUNA EXPERIMENTAL. PI: PORTOLÉS PÉREZ, ANTONIO.

## OGS.14 Medical Physics

### Non competitive funding

RSC.F01CSN. Convenio de Colaboración para la ejecución del Proyecto de I+D sobre "Estimaciones de dosis ocupacionales en cristalino en Instalaciones Sanitarias y de Investigación (EDOCI). Propuestas de Vigilancia Radiológica Individual". PI: SÁNCHEZ CASANUEVA, ROBERTO MARIANO. Funding Organisation: CONSEJO DE SEGURIDAD NUCLEAR.

## OGS.15 Aging

### Non competitive funding

ECL.12/462. ESTUDIO OBSERVACIONAL POSCOMERCIALIZACIÓN, MULTICENTRICO: SEGURIDAD Y EFICACIA DE LA NUTRICIÓN ENTERAL EN PACIENTES ESPAÑOLES UTILIZANDO JEVITY PLUS HP. PI: CUESTA TRIANA, FEDERICO MIGUEL.

ECL.18/279. PROYECTO SEIOMM-FLS EXCELLENCE (REGISTRO REFRA). PI: MORA FERNÁNDEZ, JESÚS.

ECL.19/177. Estudio observacional y prospectivo del efecto de un suplemento nutricional por vía oral hipercalórico, hiperproteico y con HMB en una población anciana con malnutrición o riesgo de malnutrición, y fractura de cadera." - "A prospective, observational stud. PI: MORA FERNÁNDEZ, JESÚS.

ECL.20/716. AEQUI Aged European population QQuality of life in Infectious diseases (Calidad de vida en las enfermedades infecciosas en la población mayor europea). PI: GIL GREGORIO, PEDRO.

ECL.2019/133. Ensayo multicéntrico, aleatorizado, doble ciego, de grupos paralelos, controlado con placebo para investigar el uso de benralizumab para la esofagitis eosinofílica (MESSINA). PI: CIRIZA DE LOS RIOS, CONSTANZA.

## OGS.17 Biomedical Imaging Research

### Non competitive funding

MMG.F01BALT. NEURORADIOLOGÍA INTERVENCIONISTA PARA INTENSIFICACIÓN DE IP. PI: MOREU GAMAZO, MANUEL. Funding Organisation: BALT SPAIN MEDICAL S.L.

## OGS.18 Health Care Research

### Competitive funding

FIS.160717. EVALUACIÓN E IMPACTO EN RESULTADOS DE SALUD Y ECONÓMICOS DE UNA UNIDAD DE ENFERMERÍA DE ENLACE HOSPITALARIO. PI: ORTUÑO SORIANO, ISMAEL. Funding Organisation: Instituto de Salud Carlos III.

EUR.SEPCELL. Restoring the immune system homeostasis and organ function in severe community acquired pneumonia- induced sepsis through adipose derived allogeneic stem cells. PI: SÁNCHEZ GARCÍA, MIGUEL. Funding Organisation: UNIÓN EUROPEA.

### NON COMPETITIVE FUNDING

ECL.15/498. Estudio de fase Ib/Ila, aleatorizado, doble ciego, de grupos paralelos, controlado con placebo y multicéntrico para evaluar la seguridad y eficacia de las células madre alogénicas expandidas derivadas del tejido adiposo (eASCs) Cx611 para el tratamiento i. PI: SÁNCHEZ GARCÍA, MIGUEL.

ECL.19/568. Estudio observacional, prospectivo y multinacional para describir el uso de calcimiméticos en pacientes sometidos a hemodiálisis (HD). PI: HERRERO CALVO, JOSÉ ANTONIO.

## OGS.19 Epidemiology and Health Services

### Non competitive funding

ECL.16/128. EFICACIA, SEGURIDAD E INMUNOGENICIDAD DE LA VACUNA HZ/su DE GSK BIOLOGICALS GSK1437173A EN UN ESTUDIO FASE IIIb, ABIERTO, DE SEGUIMIENTO A LARGO PLAZO (ZOE-LTFU) DE LOS ESTUDIOS 110390/113077 (ZOSTER-006/022) Y EVALUACIÓN DE DOSIS ADICIONALES EN ADULTOS D. PI: CASO PITA, M<sup>o</sup> COVADONGA; BARDÓN FERNÁNDEZ-PACHECO; O'CONNOR PÉREZ; CAPAPÉ AGUILAR.

ECL.19/273. Ensayo clínico de fase III, multicéntrico, aleatorizado, observador ciego y controlado con placebo para evaluar la recurrencia de herpes zóster y la reactogenicidad, seguridad e inmunogenicidad de la vacuna frente al herpes zóster (HZ/su) de GSK Biologica. PI: CASO PITA, M<sup>o</sup> COVADONGA.

ECL.2018/143. VACUNACIÓN ADYUVADA FRENTE A HEPATITIS B EN TRABAJADORES DEL SNS TIPIFICADOS COMO NO RESPONDEDORES A VACUNA CONVENCIONAL. PI: CASO PITA, M<sup>o</sup> COVADONGA.

## OGS.22 Contemporary Physiotherapy Research (InPhysio)

### Competitive funding

GPM.CFM.21. EFECTOS DEL ENTRENAMIENTO DE LA MUSCULATURA RESPIRATORIA EN LA CALIDAD DE VIDA, FUNCIÓN FÍSICA, PULMONAR Y ESTADO PSICOLÓGICO EN PACIENTES QUE HAN SUPERADO LA COVID-19. PI: PLAZA MANZANO, GUSTAVO. Funding organisation: COLEGIO PROFESIONAL DE FISIOTERAPEUTAS DE LA COMUNIDAD DE MADRID.

## OGS.23 The Digestive System

### Non competitive funding

CTS.M01MSD. Apoyo al desarrollo del estudio "EFECTIVIDAD Y SEGURIDAD DEL TRATAMIENTO CON GOLIMUMAB EN PACIENTES CON COLITIS ULCEROSA". PI: TAXONERA SAMSÓ, CARLOS. Funding organisation: MERCK SHARP & DOHME DE ESPAÑA S.A.

ECL.13/002. ESTUDIO DEL REFLEJO GASTROCOLICO; INFLUENCIA DE PRUCALOPRIDE. PI: REY DÍAZ-RUBIO, ENRIQUE.

ECL.13/269. Registro no intervencionista de larga duración para evaluar la seguridad y la efectividad de HUMIRA® (adalimumab) en pacientes con colitis ulcerosa (CU) de actividad moderada a grave? (LEGACY) LEGACY A Long-Term Non-Interventional Registry to Assess Safe. PI: TAXONERA SAMSÓ, CARLOS.

ECL.15/399. ESTUDIO ABIERTO DE EXTENSIÓN Y SUPERVISIÓN DE LA SEGURIDAD DE PACIENTES CON COLITIS ULCEROSA DE MODERADA A GRAVE PREVIAMENTE INSCRITOS EN ESTUDIOS DE FASE III CON ETROLIZUMAB. PI: TAXONERA SAMSÓ, CARLOS.

ECL.15/500. Estudio multicéntrico, aleatorizado, con doble enmascaramiento y controlado con placebo sobre ABT-494 para inducir la remisión sintomática y endoscópica en pacientes con enfermedad de Crohn activa de intensidad moderada a grave que han respondido de forma. PI: TAXONERA SAMSÓ, CARLOS.

ECL.17/228. REGISTRO DE EXPOSICIÓN A LARGO PLAZO PROSPECTIVO Y OBSERVACIONAL DE PACIENTES ADULTOS CON COLITIS ULCEROSA. PI: TAXONERA SAMSÓ, CARLOS.

ECL.18/451. Resultados de vedolizumab y anti-TNFs en pacientes con colitis ulcerosa y enfermedad de Crohn tratados en la práctica clínica real (EVOLVE) – IBERIA. PI: TAXONERA SAMSÓ, CARLOS.

ECL.19/221. GIANT – A multicenter, prospective, post-marketing observational study to evaluate the effectiveness and safety of Hyrimoz™



(adalimumab biosimilar) and Zessly™ (infliximab biosimilar) in patients with Crohn's Disease. PI: TAXONERA SAMSÓ, CARLOS.

ECL.20/195. Estudio de fase 3, aleatorizado, doble ciego, controlado con placebo y de tres grupos para evaluar la seguridad y eficacia de la administración una vez al día y dos veces al día de una nueva formulación en supositorio de acetato de hidrocortisona 90 mg, ad. PI: TAXONERA SAMSÓ, CARLOS.

ECL.20/555. "Estudio Fase 3, multicéntrico, aleatorizado, abierto, con enmascaramiento para los evaluadores de la eficacia de Risankizumab en comparación con Ustekinumab para el tratamiento de sujetos adultos con enfermedad de Crohn de moderada a grave sin respuesta. PI: TAXONERA SAMSÓ, CARLOS.

ECL.2016/034. Estudio multicéntrico, aleatorizado, controlado con placebo, doble-cego, para determinar la seguridad y eficacia de Vedolizumab en la prevención de la recurrencia endoscópica en la enfermedad de Crohn, en pacientes previamente sometidos a resección quirúrgica. PI: TAXONERA SAMSÓ, CARLOS.

ECL.2016/037. Estudio multicéntrico, con diseño ciego para el sujeto y para el investigador, aleatorizado y controlado con placebo, para evaluar la eficacia, la seguridad, la tolerabilidad y la farmacocinética de bimekizumab (UCB4940), con una dosis de ataque IV seguida. PI: TAXONERA SAMSÓ, CARLOS.

ECL.2017/057. Estudios combinados de fase III, aleatorizados, doble ciego y controlados con placebo, para evaluar la eficacia y la seguridad de filgotinib en la inducción y el mantenimiento de la remisión en pacientes con enfermedad de Crohn de actividad moderada a intensa. PI: TAXONERA SAMSÓ, CARLOS.

ECL.2017/069. FLUTicasona en la esofagitis eosinofílica (FLUTE): estudio de mantenimiento, aleatorizado, doble ciego, controlado con placebo y de búsqueda de dosis de APT-1011 en sujetos con esofagitis eosinofílica. PI: PÉREZ DE LA SERNA BUENO, JULIO ANTONIO.

ECL.2017/070. Estudio de fase 3b, aleatorizado, controlado y multicéntrico con maltol férrico oral (Feracru) o hierro intravenoso (carboximaltosa férrica, CMF), para el tratamiento de la anemia ferropénica en sujetos con enfermedad inflamatoria intestinal (EII). PI: TAXONERA SAMSÓ, CARLOS.

ECL.21/495. TOFACITINIB IN ULCERATIVE COLITIS: REAL WORLD EVIDENCE (To-ReWard Study) TOFACITINIB EN COLITIS ULCEROSA: ESTUDIO DE PRÁCTICA CLÍNICA (Estudio To-ReWard). PI: TAXONERA SAMSÓ, CARLOS."

## OGS.24 Hematology

### Competitive funding

EAM.YE1.20. Ayudas para la contratación de ayudantes de investigación y técnicos de laboratorio. PI: ANGUIA MANDLY, EDUARDO. Funding organisation: CONSEJERÍA DE EDUCACIÓN, JUVENTUD Y DEPORTE.

FMM.18PRG. DÉFICIT DE PIRUVATO KINASA (PKD). CORRELACIÓN GENOTÍPICA Y FENOTÍPICA Y EVOLUCIÓN DE LA ENFERMEDAD EN NIÑOS". PI: ROPERO GRADILLA, PALOMA. Funding organisation: FUNDACION MUTUA MADRILEÑA.

PRG.FEHH.20. Becas de investigación de la FEHH - Jorge Martínez Nieto. PI: ROPERO GRADILLA, PALOMA. Funding organisation: FUNDACION ESPAÑOLA DE HEMATOLOGIA Y HEMOTERAPIA FEHH.

### Non competitive funding

ECL.12/191. ESTUDIO OBSERVACIONAL POST-AUTORIZACIÓN PARA EVALUAR LA RESPUESTA DE LA FUNCIÓN RENAL AL TRATAMIENTO DE PACIENTES CON MIELOMA MÚLTIPLE EN RECAIDA Y CON ACLARAMIENTO DE CREATININA <50 ML/MIN/1.73M2 (CrCL<50ML/MIN/1.73M2) (ESTUDIO MIR50). PI: MARTINEZ MARTINEZ, RAFAEL BENIGNO.

ECL.15/035. EPAS Estudio Post-autorización de seguridad (EPAS) prospectivo, no intervencionista, diseñado como Registro de Enfermedad de pacientes con síndromes mielodisplásicos (SMD) de bajo riesgo (IPSS bajo e intermedio-1) con delección 5q aislada y dependencia tr. PI: BENAVENTE CUESTA, CELINA.

ECL.15/274. Estudio de caracterización farmacológica ex vivo de tratamientos en hemopatías malignas mediante el uso de la plataforma automatizada de citometría de flujo ExviTech. PI: ANGUIA MANDLY, EDUARDO.

ECL.16/327. Estudio observacional para valorar la carga de la enfermedad, en términos de Calidad de Vida Relacionada con la Salud y costes sanitarios directos, en pacientes con Mieloma Múltiple de nuevo diagnóstico no candidatos a trasplante autólogo de progenitores. PI: BENAVENTE CUESTA, CELINA; MARTINEZ MARTINEZ RAFAEL.

ECL.17/255. Registro Regional para evaluar la práctica médica con observación longitudinal para el diagnóstico y tratamiento de la leucemia linfocítica crónica. PI: MARTINEZ MARTINEZ, RAFAEL BENIGNO.

ECL.17/338. Estudio observacional prospectivo sobre la supervivencia global y la calidad de vida en pacientes mayores de 60 años diagnosticados de leucemia mieloide aguda en España, tratados según la práctica clínica habitual (estudio SvLMA). PI: POLO ZARZUELA, MARTA.

ECL.18/099. Estudio observacional ambispectivo para evaluar la incidencia y el manejo de la aplasia medular en el Estado Español. Estudio IMAS. PI: POLO ZARZUELA, MARTA.

ECL.20/584. Estudio no intervencionista, de cohortes, sobre la evolución clonal de las mutaciones de FLT3 durante la progresión de la enfermedad en pacientes con leucemia mieloide aguda - CLEVO. PI: POLO ZARZUELA, MARTA.

ECL.20/592. "Ensayo multicéntrico, aleatorizado, abierto y controlado con comparador activo para evaluar la eficacia y la seguridad de LNP023 por vía oral dos veces al día en pacientes adultos con hemoglobinuria paroxística nocturna y anemia residual, a pesar del tra. PI: GONZÁLEZ FERNÁNDEZ, FERNANDO ATAÚLFO.

ECL.20/622. Estudio de fase III de Danicopan (ALXN2040) como tratamiento suplementario de un inhibidor de la C5 (Eculizumab o Ravulizumab) en pacientes con hemoglobinuria paroxística nocturna que tienen hemólisis extravascular clínicamente evidente (HEV). PI: GONZÁLEZ FERNÁNDEZ, FERNANDO ATAÚLFO.

ECL.20/638. ESTUDIO EN FASE III, ALEATORIZADO, ABIERTO, CON CONTROL ACTIVO, MULTICÉNTRICO, PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE CROVALIMAB FRENTE A ECULIZUMAB EN PACIENTES ADULTOS Y ADOLESCENTES CON HEMOGLOBINURIA PAROXÍSTICA NOCTURNA (HPN) ACTUALMENTE TRATADA. PI: GONZÁLEZ FERNÁNDEZ, FERNANDO ATAÚLFO.

ECL.20/639. "Estudio en fase III, aleatorizado, abierto, con control activo, multicéntrico, para evaluar la eficacia y la seguridad de crovalimab frente a eculizumab en pacientes adultos y adolescentes con hemoglobinuria paroxística nocturna (HPN) no tratada previamente. PI: GONZÁLEZ FERNÁNDEZ, FERNANDO ATAÚLFO.

ECL.20/665. Encuesta COVID-19 de Enfermedades Hematológicas en España. PI: BENAVENTE CUESTA, CELINA.

ECL.20/726. ENSAYO EN FASE III, MULTICÉNTRICO, ALEATORIZADO, CON DOBLE ENMASCARAMIENTO, COMPARATIVO CON PLACEBO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DEL EFGARTIGIMOD (ARGX-113) PH20 SUBCUTÁNEO EN PACIENTES ADULTOS CON TROMBOCITOPENIA INMUNITARIA PRIMARIA. PI: BOLAÑOS CALDERON, ESTEFANIA.

ECL.2019/068. Estudio fase II con aleatorización 2:1 para comparar la eficacia y seguridad del tratamiento con quimioterapia estándar más quizartinib frente a quimioterapia estándar más placebo en pacientes adultos con LMA de nuevo diagnóstico con el gen FLT3 no mutado. PI: POLO ZARZUELA, MARTA.

ECL.21/223. ENSAYO EN FASE III, MULTICÉNTRICO, SIN ENMASCARAMIENTO Y A LARGO PLAZO PARA EVALUAR LA SEGURIDAD Y LA EFICACIA DE EFGARTIGIMOD (ARGX-113) PH20 SUBCUTÁNEO EN PACIENTES ADULTOS CON TROMBOCITOPENIA INMUNITARIA PRIMARIA. PI: BOLAÑOS CALDERON, ESTEFANIA.

ECL.21/239. Memoria para el estudio de esplenomegalia y pacientes esplenectomizados no filiados en población infantil y adulta. PI: BOLAÑOS CALDERON, ESTEFANIA.

## OGS.25 Pathology of Emergency

### Competitive funding

FIS.180456. Planificación del alta desde urgencias para reducir reingresos a 30 días en mayores frágiles con insuficiencia cardíaca aguda: ensayo clínico aleatorizado por conglomerados pareado. PI: MARTÍN SÁNCHEZ, FRANCISCO JAVIER. Funding organisation: INSTITUTO DE SALUD CARLOS III.

### Non competitive funding

ECL.18/531. Planificación del alta desde urgencias para reducir reingresos a 30 días en mayores frágiles con insuficiencia cardíaca aguda: ensayo clínico aleatorizado por conglomerados pareado. PI: MARTÍN SÁNCHEZ, FRANCISCO JAVIER.

ECL.19/422. Estudio de evaluación y manejo del dolor agudo en servicios de urgencias hospitalarios e intervención educativa: Estudio EDURGI7. PI: FERNÁNDEZ ALONSO, CESÁREO.

ECL.20/370. Factores socio-demográficos predicen los resultados adversos intrahospitalarios en los pacientes ingresados por Covid-19. PI: MARTÍN SÁNCHEZ, FRANCISCO JAVIER. Funding organisation: MARTÍN SÁNCHEZ, FRANCISCO JAVIER.

ECL.21/235. ESTUDIO EN FASE II, MULTICÉNTRICO, ALEATORIZADO, DE GRUPOS PARALELOS PARA EVALUAR LA SEGURIDAD, TOLERABILIDAD Y FARMACOCINÉTICA DE UNA SEGUNDA GENERACIÓN DE VIR-7831 EN PARTICIPANTES NO HOSPITALIZADOS CON ENFERMEDAD POR CORONAVIRUS 2019 (COVID-19) DE LEVE. PI: GONZÁLEZ DEL CASTILLO, JUAN MARÍA.

ECL.21/578. IDENTIFYING PATIENTS WITH SUSPICION OF INFECTION IN THE ED WHO HAVE LOW DISEASE SEVERITY USING MIDREGIONAL PROADRENOMEDULLIN (MR-PROADM) - PIVOTAL STUDY. IDENTIFICACIÓN DE PACIENTES CON SOSPECHA DE INFECCIÓN EN EL SERVICIO DE URGENCIAS QUE TIENEN UNA GRAV. PI: GONZÁLEZ DEL CASTILLO, JUAN MARÍA."

## OGS.32 Ciencias Forenses: genética y toxicología forense

### Non competitive funding

CLM.M20CURSO. Aplicaciones de la Genética a la Criminalística (Edición virtual), del 22 al 26 de marzo de 2021. PI: LOPEZ MATAYOSHI, CESAR.

CLM.M19CURSO. Ciencias Forenses: Fundamentos y técnicas de laboratorio (Edición virtual) 24, 25 y 26 de febrero del 2021. PI: LOPEZ MATAYOSHI, CESAR.

EAP.M01CURSO. Cursos impartidos por el Grupo de Ciencias Forenses: genética y toxicología forense. PI: ARROYO PARDO, EDUARDO.

## OGS.33 Chronobiological Molecular Mechanisms

AEMC10/21. Mecanismos Moleculares Cronobiológicos (Acciones especiales UCM). PI: Pilar Fernández Mateos. Funding organisation: Acciones especiales UCM.

GR29/20. Mecanismos Moleculares Cronobiológicos (Grupos de investigación UCM-Santander). PI: Pilar Fernández Mateos-Vanesa Jiménez Ortega. Funding organisation: Grupos de investigación UCM-Santander.

AEC13/19-22384. Mecanismos Moleculares Cronobiológicos (Acciones especiales UCM). PI: Pilar Fernández Mateos. Funding organisation: Acciones especiales UCM.

PR87/19-22548. Abordaje de sensores de nutrientes (PASK/AMPK) para controlar la obesidad. Implicaciones del tejido adiposo y los genes del reloj". (UCM-Santander). PI: Carmen Sanz Miguel. Funding organisation: UCM-Santander.

PR26/16-20317. Contribución del metabolismo lipídico a la resistencia hepática a la Insulina asociada a obesidad.. PI: Ana Isabel Esquifino. Funding organisation: Universidad Complutense de Madrid.

## Balance de situación 2022

ACTIVO		Notas	2022	2021
<b>A)</b>	<b>ACTIVO NO CORRIENTE</b>		<b>11.228.843,16</b>	<b>14.161.435,08</b>
I.	<b>Inmovilizado intangible</b>	6	<b>16.190,10</b>	<b>5.182,24</b>
5.	<b>Aplicaciones informáticas</b>		<b>16.190,10</b>	<b>5.182,24</b>
1.	Aplicaciones Informáticas		203.046,69	187.005,19
2.	Amortización acumulada de aplicaciones informáticas		-186.856,59	-181.822,95
III.	<b>Inmovilizado material</b>	5	<b>1.580.185,83</b>	<b>969.714,03</b>
2.	<b>Instalaciones técnicas y otro inmovilizado material</b>		<b>1.580.185,83</b>	<b>810.762,87</b>
1.	Instalaciones técnicas		259.680,13	65.040,04
2.	Maquinaria		4.327.247,74	3.467.964,85
4.	Otras instalaciones		557.001,42	543.011,78
5.	Mobiliario		240.132,37	229.278,34
6.	Equipos para procesos de información		434.826,83	417.534,76
9.	Amortización acumulada de instalaciones técnicas		-93.560,21	-65.040,04
10.	Amortización acumulada de maquinaria		-3.082.083,91	-2.854.698,58
12.	Amortización acumulada de otras instalaciones		-504.254,57	-476.096,66
13.	Amortización acumulada de mobiliario		-173.681,58	-157.451,90
14.	Amortización acumulada de equipos procesos información		-385.122,39	-358.779,72
3.	<b>Inmovilizado en curso y anticipos</b>		<b>0,00</b>	<b>158.951,16</b>
1.	Inmovilizado en curso y anticipos		0,00	158.951,16
VI.	<b>Inversiones financieras a largo plazo</b>		<b>9.632.467,23</b>	<b>13.186.538,81</b>
1.	<b>Instrumentos de Patrimonio</b>	8.1	<b>0,00</b>	<b>13.186.538,81</b>
4.	Inversiones financieras LP en instrumentos de patrimonio		0,00	13.186.538,81
3.	<b>Valores representativos de deuda</b>		<b>9.632.467,23</b>	<b>0,00</b>
3.	Valores representativos de deuda a largo plazo		9.632.467,23	0,00
5.	<b>Otros activos financieros</b>	8.1	<b>0,00</b>	<b>0,00</b>
2.	Imposiciones LP		0,00	0,00
<b>B)</b>	<b>ACTIVO CORRIENTE</b>		<b>18.271.444,99</b>	<b>14.361.650,80</b>
II.	<b>Existencias</b>	9	<b>31.518,17</b>	<b>12.446,11</b>
6.	<b>Anticipos a proveedores</b>		<b>31.518,17</b>	<b>12.446,11</b>
1.	Anticipos a proveedores		31.518,17	12.446,11
III.	<b>Usuarios y otros deudores de la actividad propia</b>	9	<b>1.671.939,71</b>	<b>2.155.811,91</b>
IV.	<b>Deudores comerciales y otras cuentas a cobrar</b>	9	<b>503.088,44</b>	<b>228.810,13</b>
3.	<b>Usuarios y deudores varios</b>		<b>6.000,00</b>	<b>3.486,20</b>
1.	Deudores		6.000,00	3.486,20
6.	<b>Otros créditos con las administraciones públicas</b>		<b>497.088,44</b>	<b>225.323,93</b>
3.	Hacienda Pública, deudora por subvenciones concedidas		495.345,55	225.323,93
4.	Organismos de la Seguridad Social, deudores		1.742,89	0,00
6.	Hacienda Pública, retenciones y pagos a cuenta		0,00	0,00
VI.	<b>Inversiones financieras a corto plazo</b>	8.1	<b>69.845,43</b>	<b>0,00</b>
3.	<b>Valores representativos de deuda</b>		<b>69.845,43</b>	<b>0,00</b>
3.	Valores representativos de deuda a CP		69.845,43	0,00
5.	<b>Otros activos financieros</b>		<b>0,00</b>	<b>0,00</b>
3.	Imposiciones a CP		0,00	0,00
VIII.	<b>Efectivo y otros activos líquidos equivalentes</b>	11	<b>15.995.053,24</b>	<b>11.964.582,65</b>
1.	<b>Tesorería</b>		<b>15.995.053,24</b>	<b>11.964.582,65</b>
1.	Caja euros		234,19	42,29
3.	Bancos e instituciones de crédito c/c vista, euros		15.994.819,05	11.964.540,36
<b>TOTAL</b>	<b>ACTIVO (A + B)</b>		<b>29.500.288,15</b>	<b>28.523.085,88</b>

## Balance de situación 2022

PATRIMONIO NETO Y PASIVO		Notas	2022	2021
<b>A)</b>	<b>PATRIMONIO NETO</b>		<b>4.624.466,14</b>	<b>4.902.402,47</b>
A-1)	Fondos Propios	12	3.434.490,58	3.376.983,43
I.	Dotación Fundacional		30.109,78	30.109,78
1.	Dotación fundacional		30.109,78	30.109,78
II.	Reservas		817.516,19	817.516,19
2.	Otras reservas		817.516,19	817.516,19
III.	Excedentes de Ejercicios anteriores		2.529.357,46	2.185.712,75
1.	Remanente		2.529.357,46	2.185.712,75
2.	Excedentes negativos de ejercicios anteriores		0,00	0,00
IV.	Resultado del Ejercicio		57.507,15	343.644,71
A-2)	Ajustes por cambios de valor	8.1	0,00	457.809,12
I.	Activos financieros disponibles para la venta		0,00	457.809,12
A-3)	Subvenciones, donaciones y legados recibidos	17	1.189.975,56	1.067.609,92
I.	Subvenciones		459.723,52	144.027,93
1.	Subvenciones oficiales de capital		420.746,90	106.711,59
2.	Otra subvenciones		38.976,62	37.316,34
II.	Donaciones y legados		730.252,04	923.581,99
1.	Donaciones y legados de capital		51.903,24	59.936,92
2.	Otras donaciones y legados		678.348,80	863.645,07
<b>B)</b>	<b>PASIVO NO CORRIENTE</b>		<b>14.615.902,70</b>	<b>14.016.291,19</b>
I.	Provisiones a largo plazo		11.920.798,48	12.728.195,19
4.	Otras provisiones		11.920.798,48	12.728.195,19
2.	Provisión para otras responsabilidades		11.920.798,48	12.728.195,19
II.	Deudas a largo plazo		2.695.104,22	1.288.096,00
5.	Otros pasivos financieros		2.695.104,22	1.288.096,00
4.	Deudas a L/P transformables en subvenciones, donaciones y legados		2.695.104,22	1.288.096,00
<b>C)</b>	<b>PASIVO CORRIENTE</b>		<b>10.259.919,31</b>	<b>9.604.392,22</b>
II.	Provisiones a corto plazo	15	2.744.835,23	2.315.683,36
1.	Provisiones por operaciones de la actividad		2.744.835,23	2.315.683,36
III.	Deudas a corto plazo	8.2	5.766.254,84	6.357.906,67
5.	Otros pasivos financieros		5.766.254,84	6.357.906,67
6.	Deudas a C/P transformables en subvenciones, donaciones y legados		5.766.254,84	6.357.906,67
V.	Beneficiarios - Acreedores	10	650.000,00	0,00
VI.	Acreedores comerciales y otras cuentas a pagar	10	1.098.829,24	930.802,19
1.	Proveedores		10.840,68	14.006,05
1.	Proveedores		10.840,68	14.006,05
3.	Acreedores varios		121.866,32	174.762,83
1.	Acreedores por prestación de servicios		121.866,32	174.762,83
4.	Personal (remuneraciones pendientes de pago)		23.391,70	39,71
1.	Remuneraciones pendientes de pago		132,34	39,71
2.	Remuneraciones mediante sistemas de aportación definida, pendientes de pago		23.259,36	0,00
6.	Otras deudas con las Administraciones Públicas		311.993,23	563.583,34
1.	Hacienda Pública, acreedora por IVA		11.510,85	125.304,41
2.	Hacienda Pública, acreedora por retenciones practicadas		108.546,32	284.049,26
5.	Organismos de la Seguridad Social, acreedores		191.936,06	154.229,67
7.	Anticipos de clientes		630.737,31	178.410,26
<b>TOTAL</b>	<b>PATRIMONIO NETO Y PASIVO (A + B + C)</b>		<b>29.500.288,15</b>	<b>28.523.085,88</b>



## Methodological notes

### Scientific production

**Source of information:** Web of Science (WoS) Core Collection.

**Time frame:** 2022 and 2018-2022.

**Agregation level:** IdISSC and scientific areas formed by the actual research groups.

#### Scientific production analysis:

**N° of papers WoS:** This indicator includes all the scientific production of the IdISSC indexed in the WoS.

**N° of citable items:** This indicator includes two document type such as article and review.

**Weight of scientific production:** The annual percentage of the weight of scientific production of the IdISSC areas has been calculated in relation to the total of IdISSC WoS production.

**Document Type:** This indicator includes all the WoS document types by IdISSC area and by Institute.

**Open Access (OA):** This indicator includes the number of documents published in OA. Types of OA: Gold OA and non Gold OA.

#### Impact analysis

**Most cited papers:** This analysis includes the top 10 most cited papers of the IdISSC scientific production between 2018-2022. In this case the indicators included are Quartil and position in the WoS Category, Article Influence score and Impact Factor. The reference JCR is that of the year of publication of the document.

**Times cited:** Number of cites per document and the average of cites per document.

**H index:** This indicator measure at least h papers that have each been cited at least h times.

**Cites by year:** This indicators counts the cites of the IdISSC scientific production each year and beetwen 2018 and 2022 period.

#### Visibility analysis

**Scientific production by quartile:** The data are based on 2021 JCR and the aggregation level its by IdISSC and scientific área.

**Scientific production by first decile:** These types of journals are among the first 10% of the JCR. In this case the reference JRC is that of 2021.

**Top journals:** This analysis includes the top of scientific journals in which ours researchers most publish during 2022 and the aggregation level its by IdISSC and scientific area. In this case the indicators included are n° of papers (WoS), n° of citable ítems, times cited, quartil 2022 and WoS category position, Article Influence Score, Journal Citation Indicator and Impact factor whitouth self citations.

#### Scientific Collaboration

**Aggregation level:** By country, by center and by author

**Software:** VOSviewer (developed by the CWTS of the University of Leiden) and Dimensions

Keyword analysis

**Software:** VOSviewer (developed by the CWTS of the University of Leiden)

### Advanced Techonologies and Model Translation área (TEC)

The information of the research groups of the TEC area that appear in this report also includes the information of the first semester during their contribution in the area of origin.





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