

SCIENTIFIC REPORT

Instituto de Investigación Sanitaria
Hospital Clínico San Carlos

2024





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SCIENTIFIC REPORT IdISSC 2024



Acknowledgments:

To all the staff of the research groups for their contribution and effort in the preparation of this report.

Cover Images

Prize of the “III Concurso de fotografía Científica IdISSC” 2025

Author: Ulises A. Gómez Pinedo (ORCID: 0000-0003-3097-5557)

Title: STELLAR CRUST

Description: Image showing the labelling of: Neurons (green), Red (MYELIN, myelin basic protein) and cell nuclei (DAPI), Myelin expression is of great importance in experimental models of demyelination, which is an indicator of restoration and regeneration after treatment with OPCs cell therapies.

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An aerial photograph of a city, likely Santiago, Chile, showing a dense urban landscape with various buildings, including residential blocks and commercial structures. The image is overlaid with a semi-transparent purple filter. The text 'SCIENTIFIC REPORT' is written vertically in white, sans-serif capital letters on the left side of the image. A small yellow square is positioned to the left of the word 'INTRODUCTION'.

SCIENTIFIC REPORT

INTRODUCTION



From left to right:
Elena Urcelay García, Scientific Director IdISSC
César Adolfo Gómez Derch, President FIB HCSC
Joana Modolell Aguilar, Director FIB HCSC



Twelve years of IdISSC.

A journey we travelled together.

This annual report summarizes our achievements in a continuous search for relevant scientific evidence.

For me, it is time to thank for your confidence and support during all these years, and time to let others lead the way...

Remember, in words of Gregorio Marañón:

To live is not only to exist, but to exist and create

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:



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 **MILE
STONES**



Annual milestones

Renovation of the Scientific Directorate

An Advisory Committee is set up to provide operational support to strengthen the Institute's capacities and improve its processes.



01



Award of 4 projects with competitive European public funding, in which the IdISSC participates as part of international consortia.

Three of these projects are part of the Horizon Europe Framework Programme, and one of the EU4HEALTH Programme.

Creation of the Digital Systems and Services Unit, a new research support unit.

This will centralise and optimise the technological resources needed to boost research, innovation and operational efficiency.



03



04

14 Health Research Projects awarded, improving our success rate

Award of 4 groups in 2 Health Outcomes Oriented Cooperative Research Networks (RICORS), SAMID and REI.

Strengthens multidisciplinary collaboration and enhances scientific impact by integrating knowledge and resources in strategic areas of biomedical research

05



06



Concession of the project for the improvement of the Phase I Unit and Clinical Pharmacology studies of the HCSC. (ISCIII)

Dr. Antonio Portolés Pérez TEC.10 Clinical Pharmacology

Annual milestones

Registration of the Technology Transfer Office.

This reinforces the recognition of the IdISSC and facilitates the protection and valorisation of knowledge and collaboration with the socio-economic environment.



Concession of 1 Sara Borrell, 1 Miguel Servet, 1 Río Hortega 1 PFIS and 1 IIS management contracts.



First full year of activity of the SHC with activity of Paediatric Surgery, UMECE, Traumatology, General and Digestive Surgery, Nursing, Urology, Gynaecology, Oncology.

07

08

09

10

11



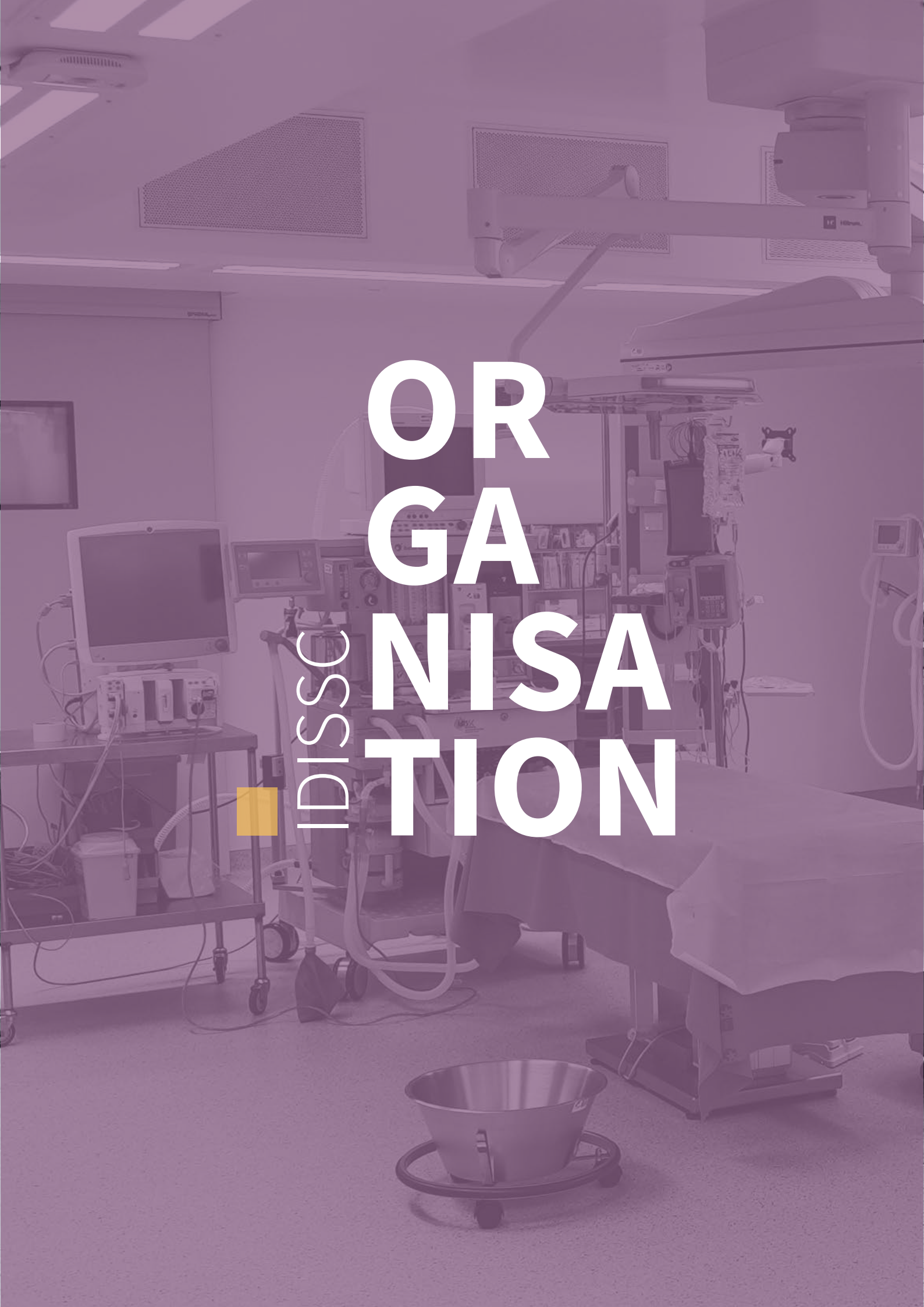
Launch of the I Mentoring Programme.



Consolidation of the internship programme.

8 students from the Polytechnic University in the Immunology Service: Innovation Unit; Neuroscience; Cardiology and Intensive Care Medicine and 48 external rotations in the Neurology, Medical Oncology, Ophthalmology, Cardiology and Emergency Departments.





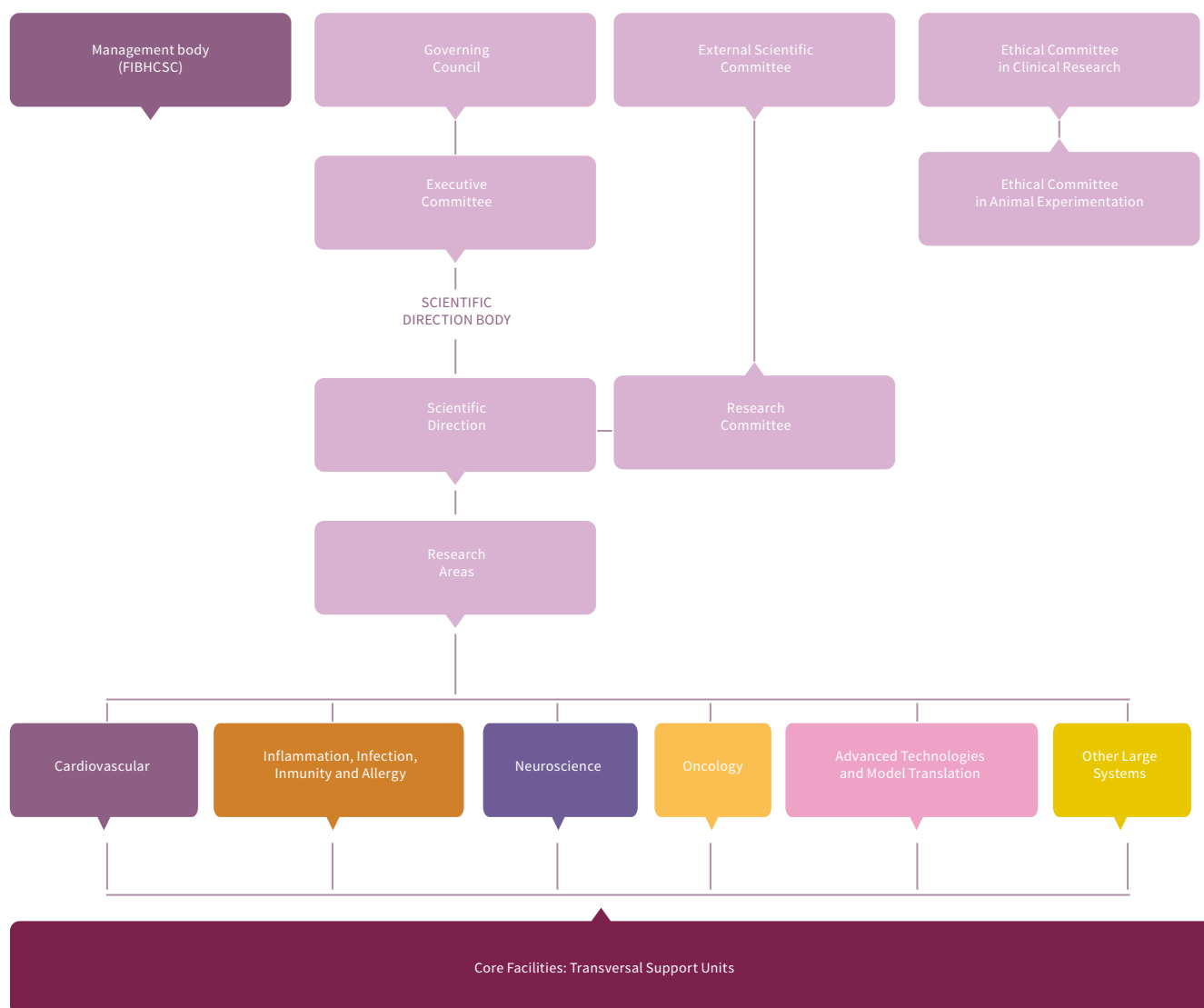
OR GA NISA TION

DIS



IdISSC Organisation

Organisational chart



Governance and structure

GOVERNING BOARD

President	
Laura Gutiérrez Barreno	Full position at SERMAS
1º Vicepresidents	
Lucía de Juan Ferré	Vice chancellor of research and teaching of the Universidad Complutense de Madrid (UCM)
2º Vicepresidents	
Asunción Gómez Pérez	Vice chancellor of research and teaching of the Universidad Politécnica de Madrid (UPM)
Members	
José Luis Álvarez-Sala Walther	Member of the Department of Health
Inmaculada Ibáñez de Cáceres	Member of the Directorate General of Research, Training and Innovation
Mª 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
Antonio Álvarez Blanco	Member of the Department of Health
María Luaces Méndez	President of the FIBHCSC Innovation Unit
Joaquín Poch Broto	President of the FIBHCSC Advisory Board
César Adolfo Gómez Derch	Director of the Hospital Clínico San Carlos
Elena Urcelay García	Scientific Director of IdISSC
Secretary	
Joana Modolell Aguilar	Director of FIBHCSC

DELEGATED COMMITTEE

President	
César Adolfo Gómez Derch	Director of the Hospital Clínico San Carlos
Members	
Jose Luis Carreras Delgado	UCM Researcher attached to IdISSC
Carina Escobar Manero	Patient representative
Montserrat Fernández Rivas	HCSC Researcher attached to IdISSC
Francisco Javier Rojo Pérez	UPM Researcher attached to IdISSC
Rocio 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	Sols-Morreale Institute for Biomedical Research
Juan Iovanna	Center of Research in Cancerology of Marseille (CRCM)
Adolfo García Sastre	CiMUS (Center for Research in Molecular Medicine and Chronic Diseases)
Maria Isabel Loza García	ERIC EU-OPENSCREEN
Ana Martínez Gil	Biological Research Centre (CIB) CSIC
Antonio Sarria Santamera	Nazarbayev University School of Medicine
Ana Isabel Cuenda Méndez	National Biotechnology Centre (CNB) CSIC

THE SCIENTIFIC COMMITTEE

President

Elena Urcelay García	Stabilised Researcher and Consolidated Group FIBHCSC Area IIIA

Vicepresident

Magdalena Torres Molina	UCM Area NEC

Secretary

Laura Espino Paisán	Technical secretariat, IdISSC

Members

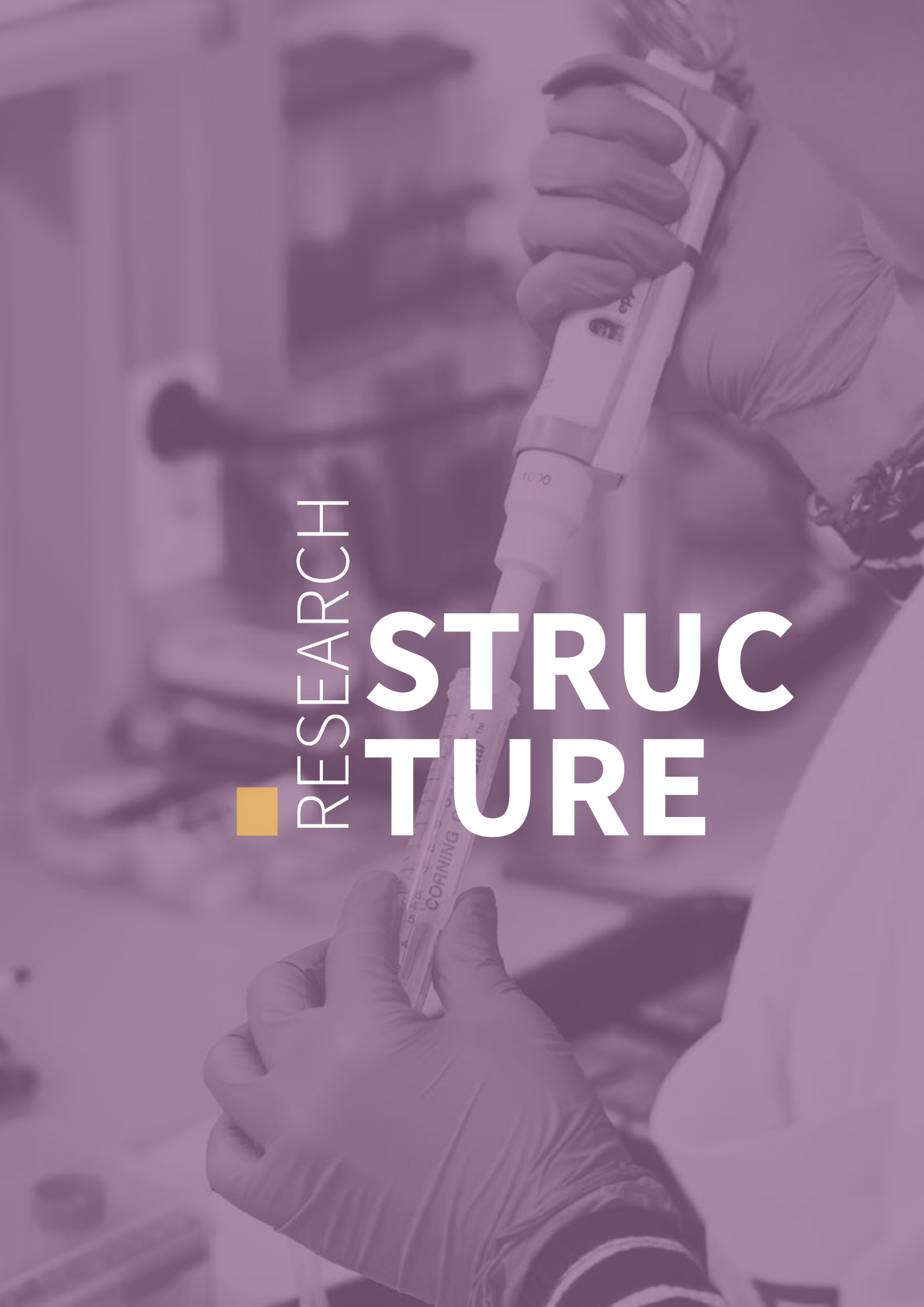
M ^a Nieves Cabrera Martín	Area manager HCSC Area NEC
Ismael Ortuño Soriano	Area manager HCSC Area OGS
Lydia Abasolo Alcázar	Area manager HCSC Area IIIA
Luis Nombela Franco	Area manager HCSC Area CV
Miguel de la Hoya Mantecón	Area manager HCSC Area ONC
Rocío Anula Fernández	Area manager HCSC Area TEC
Silvia Corrochano Sánchez	Researcher FIBHCSC Area NEC
María Inmaculada Domínguez Mozo	Researcher FIBHCSC Area NEC
Adela González Jiménez	Researcher FIBHCSC Area IIIA
Nieves Gonzalo López	Researcher HCSC Area CV
Ana Gutiérrez Rodríguez	Researcher FIBHCSC International Projects Management and Operations Coordination
Víctor Maojo García	Researcher UPM
Giussepe Fico	Researcher UPM
Ruth Serrano Labajos	Non-scientific key player
Guillermo Velasco Díez	Researcher UCM Area ONC

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

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







RESEARCH

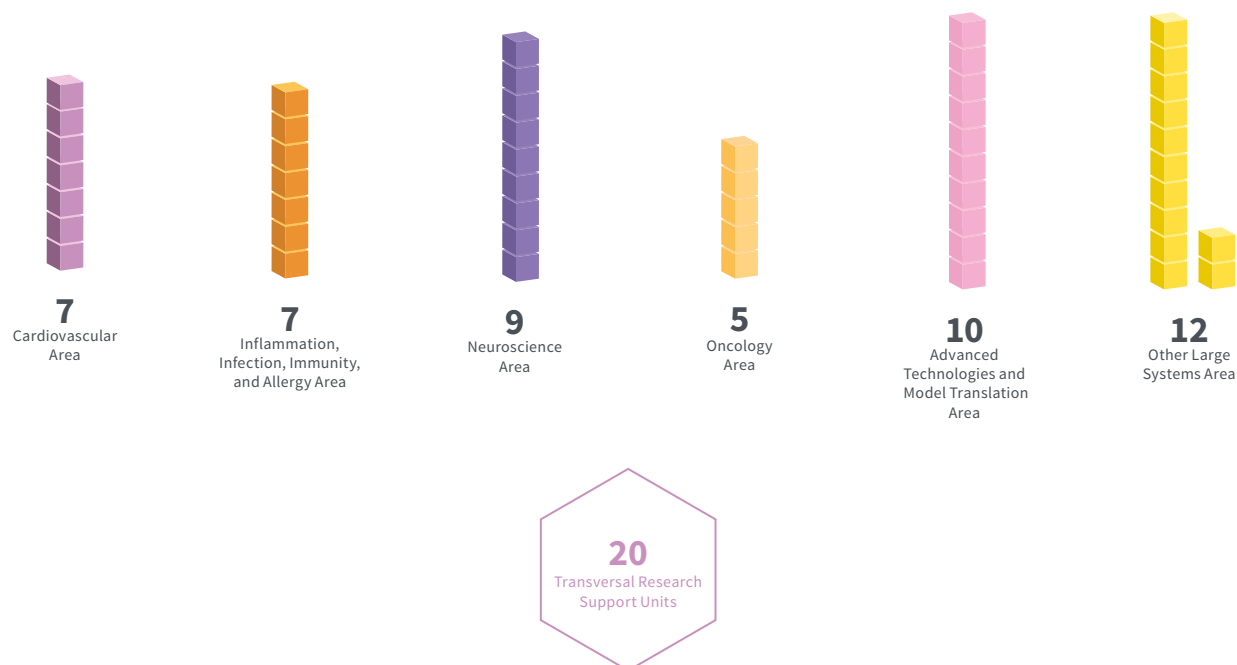
STRUCTURE

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:



Research groups by area

The IdISSC is made up of 49 research groups and 1 group of associated researchers. The research support area is constituted of 18 units, in addition to the technical support units of the UCM and the UPM. During 2024, the IdISSC has restructured its research groups to create a more agile and competitive structure.

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)

Pharmacy Support Unit: Research Medication Management (UFAR)

Cell Therapy Unit. Clean Room

RESEARCH AREA LEADS

Dulcenombre Gómez Garre

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

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

Carmen de Burgos Lunar

Luis Ortega Medina

María Luaces Méndez

M^a Mar García Arenillas

Antonio Portolés Pérez

María Teresa Benítez Giménez

Pilar Tornero Esteban

RESEARCH AREAS

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 (UTEC)

Unit of Systems and Digital Services (USSD)

Transversal Units of the Universidad Complutense de Madrid

Transversal Units of the Universidad Politécnica de Madrid

RESEARCH AREA LEADS

Mercedes Martínez-Novillo González
Nieves Cabrera Martín
Juan Arrazola García

Antonio Portolés Pérez

Elena Urcelay García
Eduardo Anguita Mandly

Silvia Sánchez Ramón

Alberto Ocaña Fernández

Jose María Leal Pozuelo

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

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



RES OUR CES

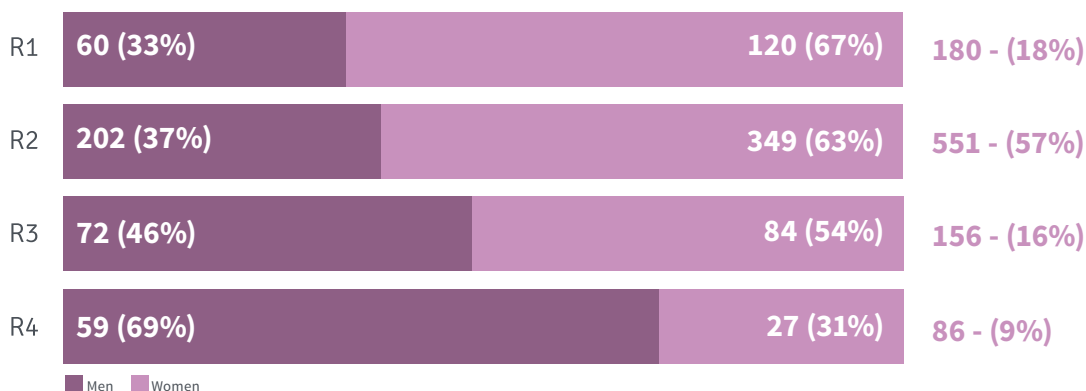
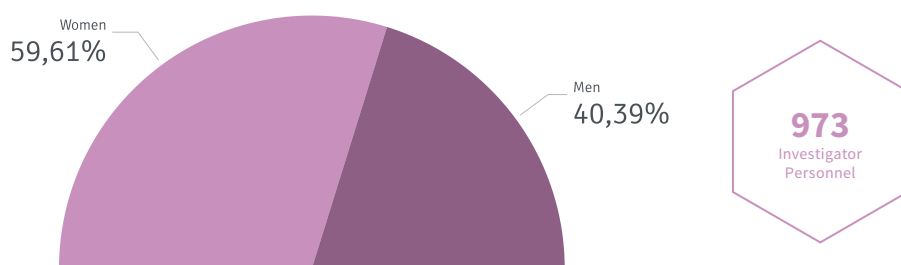

CARESCAPE
 HUMAN

Human Resources

Researchers attached to the IdISSC

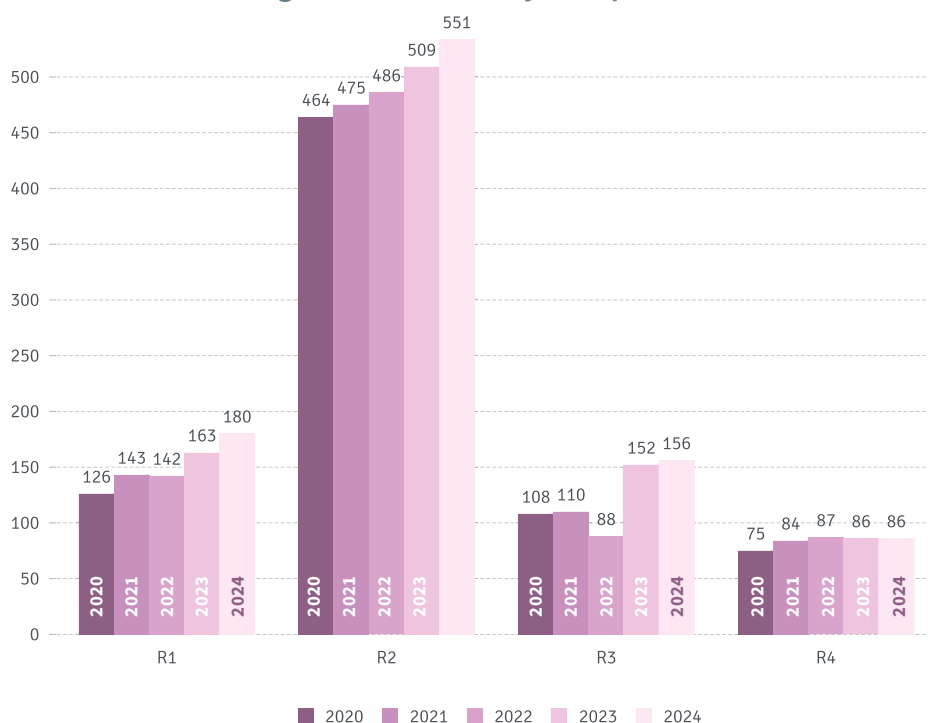
The IdISSC finished 2024 with staff comprised a total of 1,238 professionals, including researchers (973), support technicians (237) and administrative technicians (28).

Research Personnel



29

Evolution of Investigators classified by European Research Carrier R1-R4

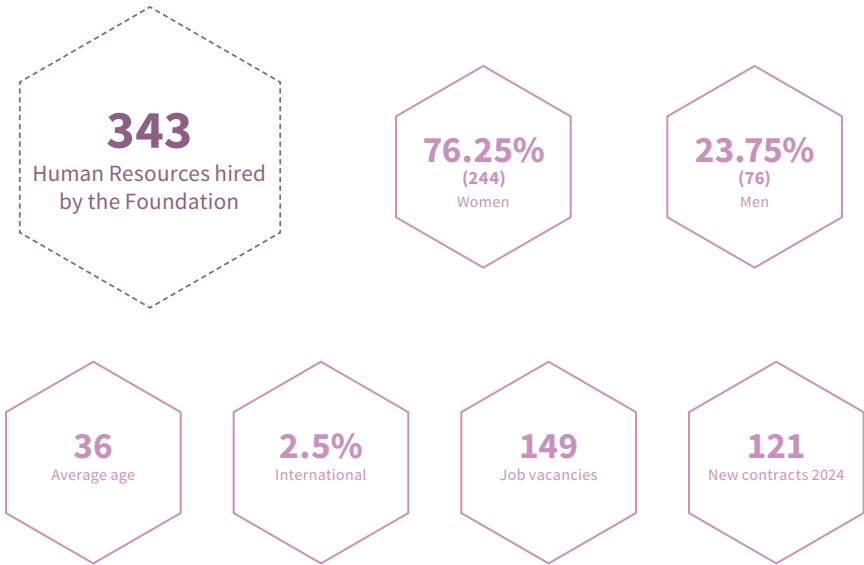


Human resources hired by the foundation

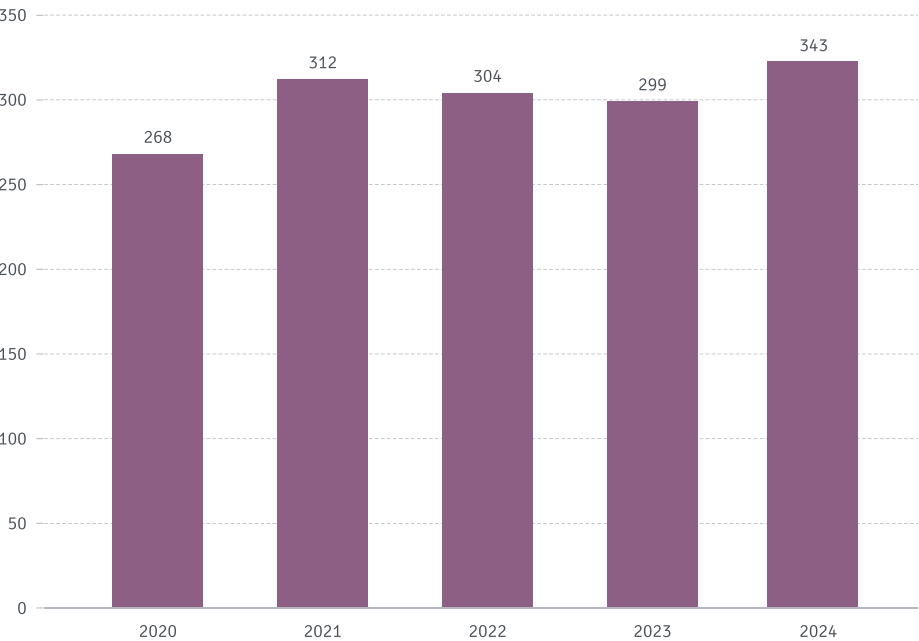
Distribution of accumulated Human Resources hired by the Foundation

FIB-HCSC CATEGORY	2022	2023	2024
TOTAL ADMIN SUPPORT PERSONNEL	23	21	23
TOTAL SUPPORT PERSONNEL	228	222	255
TOTAL RESEARCH PERSONNEL	32	35	42
FIB- TECHNICAL & DIRECTOR UNIT	21	21	23
Total	304	299	343

The following describes the accumulated human capital and activity data during 2024.



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 milestones achieved in 2024 were:

- **IdISSC Training Plan:** 52 training courses reaching 876 attendees, contributing to improve the multidisciplinary and transversal training of our community. Some examples:
 - » Introduction to Horizon Europe: funding opportunities in the European Union.
 - » Women, research and leadership: why is it so difficult to reach equality?
 - » Promotion of IPR actions: how to protect innovation.
- **52 dissemination activities organized for society**, such as:
 - » XV Noche Europea de los Investigadores.
 - » XXIV Semana de la ciencia y la innovación.
 - » V Encuentro IdISSC Sociedad y ciencia se dan la mano.
- **Budget dedicated** to improve spaces, equipment and infrastructures: 145.753,36 €.

Delivery of English versions of relevant institutional documentation to facilitate the integration of foreign staff members.



HR EXCELLENCE IN RESEARCH



Staff financed through competitive calls active during 2024

Calls for human resources

2 MIGUEL SERVET EMPLOYMENT CONTRACTS

INSTITUTO DE SALUD CARLOS III		
	CP21/00020	Pablo Bascuñana Almarcha
	CP23/00046	Alberto Benito Martín

5 RÍO HORTEGA EMPLOYMENT CONTRACTS

INSTITUTO DE SALUD CARLOS III		
	CM21/00080	Natalia Freundt Serpa (PI: Montserrat Fernández Rivas)
	CM22/00044	Eva Orviz (PI: Vicente Estrada Pérez)
	CM22/00027	Inés Pérez Sancristobal (PI: Luis Rodríguez Rodríguez)
	CM23/00051	Cristina Cortés Ledesma (PI: José Martínez Orgado)
	CM23/00094	Juan Ignacio López (PI: Jordi Matías-Guiu Antem)

1 SARA BORRELL EMPLOYMENT CONTRACTS

INSTITUTO DE SALUD CARLOS III		
	CD22/00043	María Díez Cirarda (PI: Jordi Matías-Guiu Antem)
	MV23/00025 Movilidad de personal investigador contratado en el marco de la AES	María Díez Cirarda

1 JUAN DE LA CIERVA EMPLOYMENT CONTRACTS

AGENCIA ESTATAL DE INVESTIGACIÓN		
	FJC2021-047424-I	Angélica Martínez López (PI: Guillermo Velasco Díez)

1 JUAN RODÉS EMPLOYMENT CONTRACTS

INSTITUTO DE SALUD CARLOS III		
	JR22/00018	Kissy Annet María Guevara Hoyer

3 CONTRACTS FOR THE INTENSIFICATION OF RESEARCH ACTIVITY IN THE SNS

INSTITUTO DE SALUD CARLOS III - MINISTERIO DE CIENCIA E INNOVACIÓN		
	INT22/00088	Javier Escaned Barbosa
	INT23/00010	Luis Arruza Gómez
	INT23/00017	Jordi Matías-Guiu Antem

8 PERMANENT CONTRACT PROGRAMME

CONSEJERÍA DE SANIDAD- Comunidad de Madrid



Miguel de la Hoya Mantecón
 Elena Urcelay García
 Dulcenombre Gómez Garre
 Roberto Álvarez Lafuente
 Concepción Núñez Pardo de Vera
 Lydia Abásolo Alcázar
 Luis Rodríguez Rodríguez
 Silvia Corrochano Sánchez

12 YOUTH EMPLOYMENT OPERATIONAL PROGRAMME EMPLOYMENT CONTRACTS – YEI

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)

CONSEJERÍA DE CIENCIA, UNIVERSIDADES E INNOVACIÓN – Comunidad de Madrid



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)
PEJ-2023-TL/SAL-GL-28184	Olaeru, Georgian Madalin (PI: García Feijoo, Julián)
PEJ-2023-TL/SAL-GL-27202	Mejias Carrasco, Jose Manuel (PI: Soto Beauregard, Carmen)
PEJ-2023-TL/SAL-GL-26958	Gutiérrez García, Sandra (PI: Garre Rubio, Pilar)
PEJ-2023-TL/SAL-GL-26744	Sorokowski Agudo, Julia Cayetana (PI: Ortega Medina, Luis)
PEJ-2023-AI/SAL-GL-28012	Barroso Rosales, Yadhira (PI: Matías-Guiu Antem, Jordi)
PEJ-2023-AI/SAL-GL-27324	Tovar Manzano, Daniel (PI: Sánchez Ramón, Silvia)
PEJ-2023-AI/SAL-GL-27283	Alonso Garrido, Andrea (PI: Domínguez Mozo, María Inmaculada)

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5 EMPLOYMENT CONTRACTS Predoctoral Fellowships for Training in Health Research (PFIS)

INSTITUTO DE SALUD CARLOS III



FI20/00145	María Valles Salgado
FI20/00186	Adrián Sanvicente García
FI20/0024	Nabil Alberto Subhi-Issa Marín
FI22/00175	Verónica Melero Álvarez
FI22/00233	Elena Tovar Ambel

1 EMPLOYMENT CONTRACTS Health research management

INSTITUTO DE SALUD CARLOS III



GIS21/00013	Mila Merino Fernández

1 CONTRACT Acciones Individuales MSCA - Sello de Excelencia ISCIII-HEAL

INSTITUTO DE SALUD CARLOS III



IHMC22/00032

BRACKHAN, MIRJAM

1 UNIVERSITY TEACHER TRAINING PROGRAMME CONTRACT -FPU

MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES



FPU20/03387

Adela González Jiménez
(PI: Elena Urcelay García)

1 TALENT ATTRACTION CONTRACTS - MODALITY I

CONSEJERÍA DE EDUCACIÓN, CIENCIA Y UNIVERSIDADES – Comunidad de Madrid



2022-5A/BMD-24221

Juan Miguel Godoy Corchuelo
(PI: Silvia Corrochano Sánchez)

7 PRE-DOCTORAL RESEARCH

CONSEJERÍA DE CIENCIA, UNIVERSIDADES E INNOVACIÓN – Comunidad de Madrid



PIPF-2022/SAL-GL-24282

García Toledo, Irene

PIPF-2022/SAL-GL-26004

López Ramos, María

PIPF-2023/SAL-GL-29532

Gómez Del Pulgar Gutiérrez, María Elena

PIPF-2023/SAL-GL-29636

Infante Menéndez, Jorge

PIPF-2023/SAL-GL-30377

Fuentes García, Noelia

PIPF-2023/SAL-GL-30461

Oliver Mas, Silvia

PIPF-2023/SAL-GL-30910

De Hoz Rivera, María

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: ODIN-101017331

- LAURA LLORENTE SANZ
- JORGE NIETO DE VICENTE-ARCHE

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: 3TR-831434

- MARÍA INMACULADA DOMÍNGUEZ MOZO

Project: H2020: IMI2-2019-18-two-stage. Empowering and Equipping Europeans with health information for Active Personal Health Management and Adherence to Treatment: GRAVITA-TE-HEALTH-945334

- SÁNCHEZ-OCAÑA MARTÍN, NATALIA
- YBAÑEZ GARCÍA, LIDIA

Project: HORIZONTE EUROPA: AI-driven data operations and compliance technologies (AI, data and robotics partnership) (IA). EUR.ACHILLES

- ELVIRA HURTADO, MARÍA LORENA

Project: H2020-SC1-BHC-2018-2020 / H2020-SC1-2020-Two-Stage. STOPSTORM: A prospective European validation cohort for stereotactic therapy of re-entrant tachycardia-945119

- MARTÍNEZ GÓMEZ, EDUARDO
- GOÑI BLANCO, LEIRE

COMISIÓN EUROPEA



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

- CURIEL MANZANAS, SARA

NATIONAL INSTITUTES OF HEALTH (NIH)



Project: BRCA1/2 and Hereditary Breast, Ovarian and Pancreatic (HBOP) Cancer Variant Curation Expert Panels. Cod: HOS-302657

- ADA ESTEBAN SÁNCHEZ

INSTITUTO DE SALUD CARLOS III



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

- ALEXANDRA DOMINGO FERNÁNDEZ
- CRISTINA DEL HOYO NAVALÓN

Project: Amantadina y estimulación magnética transcraneal para fatiga en la esclerosis múltiple: ensayo fase III, controlado, randomizado, cruzado y doble ciego.
Cod: ICI20/00074

- CONSTANZA ELISABET CUEVAS ESTANCONA
- LIDIA GIL MARTÍNEZ
- KARIM PATRICIA AGUIRRE COCHA
- CLAUDIA ARTIAGA HERRERO

Project: Eficacia y seguridad del Cromoglicato en como nuevo tratamiento sintomático en pacientes con Esclerosis Múltiple: ESTUDIO CAMINA.
Cod: ICI21/00022

- GÓMEZ DELGADO, IRENE ISABEL
- QUEZADA SÁNCHEZ, JOHNNY ADRIÁN
- VIÑUELA ROJO, ARACELI

Project: Interacción Genotipo-Dieta en el desarrollo de Diabetes Mellitus Gestacional y subsecuente riesgo cardiometabólico.
Cod: PI20/01758

- LAURA DEL VALLE DIEZ
- JOHANA JOSEFINA VALERIO DEOGRACIA

Project: PLATAFORMA DE SOPORTE PARA LA INVESTIGACIÓN CLÍNICA. UICEC
Cod: PT20/00017

- CEBRIÁN REVIEJO, LETICIA
- RODRÍGUEZ SANZ, ARÁNZAZU ISABEL
- PÉREZ MACÍAS, NATALIA
- FIGUEROA GARCÍA, LAURA

Project: PLATAFORMA DE BIOBANCOS Y BIOMODELOS
Cod: PT20/00074

- CENTENO ALONSO, SARA
- GONZÁLEZ VALLE, LUÍS

Project: Plataforma ISCIII de apoyo a la I+D+I en Biomedicina y Ciencias de la Salud del Hospital Clínico San Carlos (UICEC-HCSC)
Cod: PT23/00162

- CEBRIÁN REVIEJO, LETICIA
- RODRÍGUEZ SANZ, ARÁNZAZU ISABEL

Project: Plataforma ISCIII Biobancos y Biomodelos.
Cod: PT23/00167

- CENTENO ALONSO, SARA
- GONZÁLEZ VALLE, LUÍS

INSTITUTO DE SALUD CARLOS III



Project: Plataforma ISCIII de Dinamización e Innovación de las capacidades industriales del SNS y su transferencia efectiva al sector productivo. PT23/00122.

- NIETO DE VICENTE-ARCHE, JORGE
- LLORENTE SANZ, LAURA

Project: Dietary Assessment & Further Development of Biomarkers for All
Cod: AC21_2/00036

- JOSÉ LUIS ESPADAS GIL

Project: Red de Enfermedades Inflamatorias (COORDINACIÓN). Subvenciones de la Acción Estratégica en Salud 2021.
Cod: RD21/0002/0001

- SÁNCHEZ PASCUA, TERESA SOFÍA
- RODRÍGUEZ MARIBLANCA, MARÍA
- MORENO MINGUEZ, ELENA

Project: Red de Enfermedades Inflamatorias URECEL. Subvenciones de la Acción Estratégica en Salud 2021.
Cod: RD21/0002/0038

- MARÍA ÁNGEL GARCÍA MARTÍNEZ
- ANDREA RAPOSO LÓPEZ

Project: Primary care interventions to prevent maternal and child chronic diseases of perinatal and developmental origin. Subvenciones de la Acción Estratégica en Salud 2021.
Cod: RD21/0012/0026

- LAURA SILVA COLMENAR

Project: ALMA. Inteligencia Artificial para diagnóstico, tratamiento y pronóstico de enfermedades hematológicas.
Cod: PMPTA22/00101

- MIGUEL GÓMEZ ÁLVAREZ

MINISTERIO DE CIENCIA E INNOVACIÓN



Project: Descubriendo el papel de TDP43 en la modificación de las alteraciones cognitivas inducidas por cambios de factores de riesgo metabólicos a través de la dieta. Proyectos de Generación de Conocimiento 2023 . PMPTA22/00101.

- JIMÉNEZ COCA, IRENE

Project: Clinical trial to evaluate the administration of ApTOLL in Acute Myocardial Infarction. APSTEMI. Convocatoria: Proyectos de Colaboración Público-Privada 2021.
Cod: AFO.MICINN.21

- MARCH MOLLY, ANNA

Project: Comprendiendo la radioterapia flash con dispositivos de tejido en chip y resonancia magnética mejorada con hiperpolarización: FLASHOnChip. Convocatoria: Proyectos en líneas estratégicas 2022
Cod: APG.MICINN.22

- SANZ GÁLVEZ, ADRIÁN
- PALAO TREVIÑO, NEREA

Project: Asistente de Inteligencia Artificial para la verificación de comprensión de consentimientos informados audiovisuales securizados con tecnología blockchain - AICIBLOCK
Cod: CPP2022-009935

- VIDAKOVIC BUNCIC, HELENA

Project: Desarrollo de tecnologías para farmacocinética no invasiva en medicina nuclear. Convocatoria: Proyectos de Transición Ecológica y Transición Digital 2021.
Cod: SEP.MICINN.21

- DE SCALS CARMONA, SARA
- SEGARRA ADELL, HELENA

MINISTERIO DE CIENCIA E INNOVACIÓN



Project: Descifrando el papel causal del metabolismo lipídico en la aparición de las alteraciones clínicas en el espectro de enfermedades ELA y DFT. Convocatoria: 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.
Cod: SCS.MICINN.20.

- GODOY CORCHUELO, JUAN MIGUEL
- JIMÉNEZ COCA, IRENE

AGENCIA ESTATAL DE INVESTIGACIÓN



Ecological Transition and Digital Transition Projects 2021.
Project: Development of technologies for non-invasive pharmacokinetics in nuclear medicine.
Cod: TED2021-129933B-C21

- SARA CARMONA DE SCALS
(PI: Nieves Cabrera Martín, Samuel España Palomares)

CONSEJERÍA DE EDUCACIÓN, JUVENTUD Y DEPORTE



Project: Advanced Strategies and new Approaches for Protonthera. ASP-C. Convocatoria: Programa de Actividades de I+D entre grupos de investigación de la Comunidad de Madrid en Biomedicina 2022. GVD.PAID.22.

- SALVADOR TORMO, NÉLIDA

Project: Madrid Innovative Neurotech Alliance MINA-CM. Convocatoria: Programa de Actividades de I+D entre grupos de investigación de la Comunidad de Madrid en Biomedicina 2022.

- LLIGUIN LEÓN, MARÍA REBECA
- CASO ONZAIN, ENRIQUE

Project: MDM.PAID.22: Ambiente y Genes en Esquizofrenia (AGES-CM 3). Convocatoria: Programa de Actividades de I+D entre grupos de investigación de la Comunidad de Madrid en Biomedicina 2022.

- MOLA CÁRDENES, PABLO

INSTITUT D'INVESTIGACIÓ BIOMÈDICA DE BELLVITGE



Project: Genómica funcional: desarrollo e implementación de una plataforma para el estudio de casos de cáncer hereditario sin resolver IMPaCT_VUSCan.

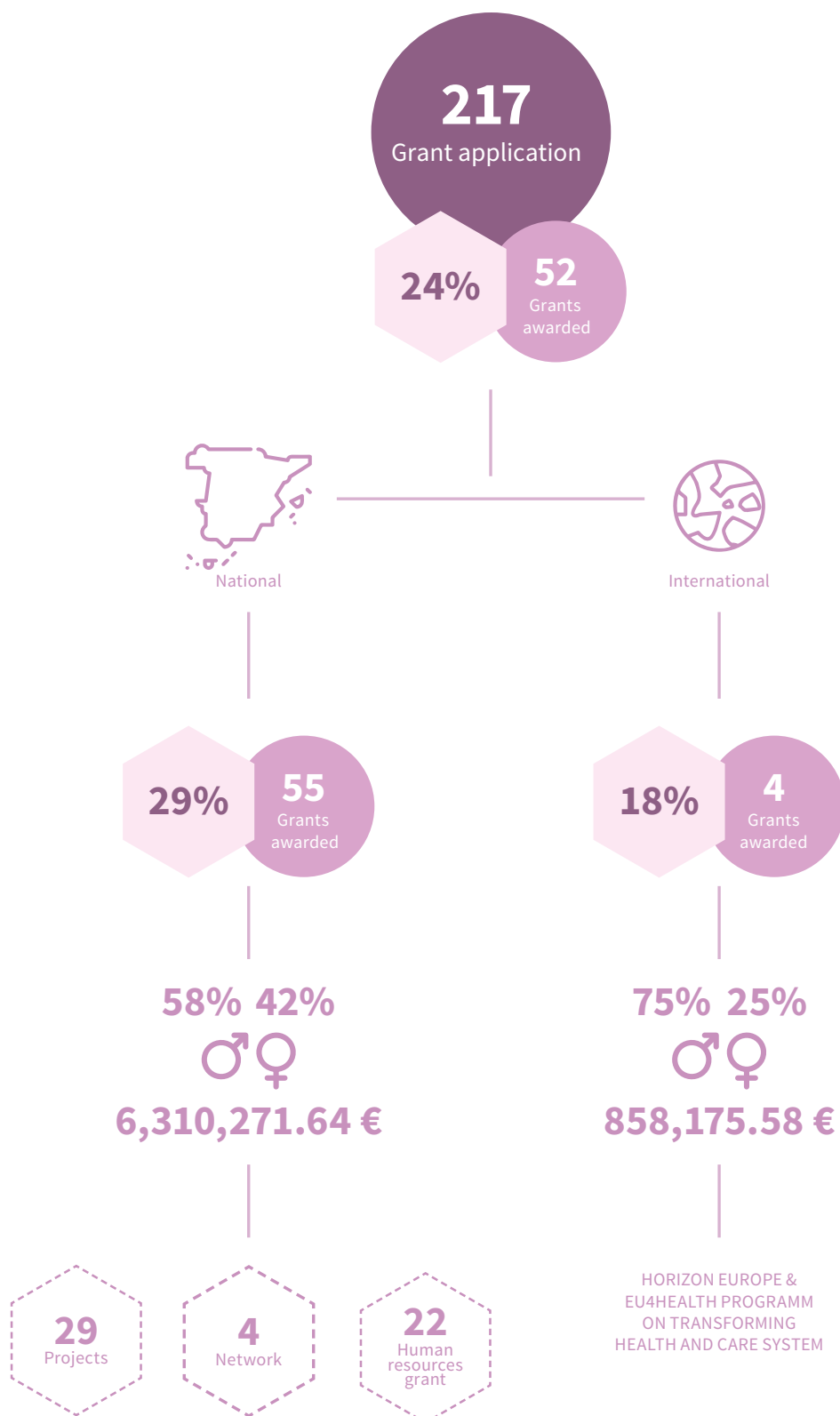
- GÓMEZ SANZ, ALICIA

 RESEARCH **PROJECT**

Research Project

Competitive Research

(Including funding from public and private agencies)



Projects granted in competitive calls

INTERNATIONAL					
FUNDING ENTITY	CALL	TITLE	CODE	DIRECTOR	GROUP
EUROPEAN COMISION	HORIZONTE EUROPA: AI-driven data operations and compliance technologies (AI, data and robotics partnership) (IA)	Human-Centred Machine Learning: Lighter, Clearer, Safer. ACHILLES	101189689	García Feijóo, Julián	NEC.18
EUROPEAN COMISION	EU4H-2023-JA-3-IBA-05	Joint Action addressing DEmentia and HEALTH	101183247	Matías-Guío Antem, Jordi	NEC.6
EUROPEAN COMISION	HORIZON-HLTH-2024-STAYHLTH-01-two-stage	Personal natural environment-gene-gut-brain interactions based ecosystem for prevention of mental illness in children and adolescents (PUREMIND)	101156916	Fraguas Herraiez, David	NEC.1
EUROPEAN COMISION	HORIZON-JU-IHI-2023-05	Propelling the shift toward the future of circular, safe and sustainable packaging and single use device solutions ecoDesigned through healthcare environments. ENKORE	101166707	Luaces Méndez, María	UTS UI
NATIONAL					
FUNDING ENTITY	CALL	TITLE	CODE	DIRECTOR	GROUP
Instituto de Salud Carlos III	Proyectos de I+D+I en Salud	Cáncer de Mama Hereditario. Mejorando las estimaciones de riesgo y la clasificación ACMG/AMP de variantes genéticas	PI24/00267	De La Hoya Mantecón, Miguel	ONC.1
Instituto de Salud Carlos III	Proyectos de I+D+I en Salud	Nanoliposomas y microemulsiones con propiedades regenerativas de los epitelios y la película precorneal para el tratamiento de la enfermedad de ojo seco	PI24/00573	Benítez Del Castillo Sánchez, José Manuel	NEC.18
Instituto de Salud Carlos III	Proyectos de I+D+I en Salud	Desarrollo y normalización de la batería neuropsicológica unificada para muestra Española (ESP-UDSNB 1)	PI24/00637	Díez Cirarda, María	NEC.6
Instituto de Salud Carlos III	Proyectos de I+D+I en Salud	Estudio de la relación entre microbiota intestinal, epigenética e inmunidad entrenada en el desarrollo y progresión de la insuficiencia cardíaca	PI24/00719	Gómez Garre, Dulcenombre	CV.11
Instituto de Salud Carlos III	Proyectos de I+D+I en Salud	Hacia del desarrollo de terapias individualizadas contra el Glioblastoma basadas en el bloqueo del eje MDK/ALK y la utilización de cannabinoides: impacto en las células iniciadoras de glioma y el microambiente tumoral	PI24/00866	Velasco Díez, Guillermo	ONC.5
Instituto de Salud Carlos III	Proyectos de I+D+I en Salud	Factores pronósticos en las crisis epilépticas graves: duración de crisis y biomarcadores	PI24/01162	García Morales, Irene	NEC.6
Instituto de Salud Carlos III	Proyectos de I+D+I en Salud	Desigualdad en alergia a frutas entre mujeres y hombres: análisis genómico y de hábitos nutricionales (FruitOmics)	PI24/01477	Marco Martín, Guadalupe	IIIA.1
Instituto de Salud Carlos III	Proyectos de I+D+I en Salud	Vesículas extracelulares como biomarcadores de obesidad para mejorar el diagnóstico y el pronóstico del cáncer de mama	PI24/01490	Benito Martín, Alberto	ONC.1
Instituto de Salud Carlos III	Proyectos de I+D+I en Salud	Augmentación biológica de la reparación quirúrgica de las roturas crónicas del manguito rotador mediante fibroína de seda con doble funcionalización	PI24/01783	Lopiz Morales, Yaiza	IIIA.3
Instituto de Salud Carlos III	Proyectos de Investigación orientados a la Implantación de la Medicina Personalizada de Precisión	Validación clínica del algoritmo OPTIBIO para predecir permanencia en remisión en pacientes con artritis reumatoide a tratamiento con terapia biológica (REMRABIT- plus)	PMP22/00101	Rodríguez Rodríguez, Luis	IIIA.3

NATIONAL

FUNDING ENTITY	CALL	TITLE	CODE	DIRECTOR	GROUP
Instituto de Salud Carlos III	Redes de Investigación Cooperativa Orientadas al Resultado en Salud (RICORS)	Red de Enfermedades Inflamatorias (REI) - Coordinación	RD24/0007/0001	Rodríguez Rodríguez, Luis	IIIA.3
Instituto de Salud Carlos III	Redes de Investigación Cooperativa Orientadas al Resultado en Salud (RICORS)	Red de enfermedades inflamatorias, REI	RD24/0007/0017	Urcelay García, Elena	IIIA.2
Instituto de Salud Carlos III	Redes de Investigación Cooperativa Orientadas al Resultado en Salud (RICORS)	Red de Enfermedades Inflamatorias (REI)	RD24/0007/0027	Fernández Rivas, María Montserrat	IIIA.1
Instituto de Salud Carlos III	Redes de Investigación Cooperativa Orientadas al Resultado en Salud (RICORS)	Spanish network in maternal, neonatal, child and developmental health research (RICORS_SAMIS)	RD24/0013/0021	Martínez Orgado, José	NEC.22
Instituto de Salud Carlos III	Unidades de Investigación Clínica - Modalidad de Mejora	UiC-Unidad de Fase I y estudios de Farmacología Clínica del HCSC	UICM24/00047	Portolés Pérez, Antonio	TEC.10
Agencia Estatal de Investigación	Proyectos de Generación de Conocimiento	Descubriendo el papel de TDP43 en la modificación de las alteraciones cognitivas inducidas por cambios de factores de riesgo metabólicos a través de la dieta	PID2023-147947OB-I00	CORROCHANO SÁNCHEZ, SILVIA	NEC.6
Esclerosis Múltiple España	Convocatoria de Proyectos de Excelencia María José Carrasco Motos	Colaboración económica para la realización del proyecto "Ácidos grasos de cadena corta y Esclerosis Múltiple Primaria Progresiva :Estudio de la asociación con la Progresión de la Enfermedad"	RAL.C03EME	Álvarez Lafuente, Roberto	NEC.7
Fundación José Luis Castaño SEQC para el desarrollo de medicina de laboratorio	CONVOCATORIA DEL PREMIO DE INVESTIGACIÓN BINDING SITE 2023 "Utilidad de la medición de pares específicos de cadena pesada/cadena ligera y/o cadenas ligeras libres de inmunoglobulinas en medicina de laboratorio"	Premio BINDIG SITE 2023 a la mejor publicación científica relacionada con la "Utilidad de la medición de pares específicos de cadena pesada/cadena ligera y/o cadenas ligeras libres de inmunoglobulinas en medicina de laboratorio". Apoyo líneas de investigación en las áreas de proteínas monoclonales y biomarcadores de enfermedad neurodegenerativa	MCF.C01FJLC	Cárdenas Fernández, María Cruz	UTS
Fundación Mapfre	Ayudas Ignacio H. Larramendi 2024	Valoración Integral del Daño Corporal en Pacientes con Enfermedad Renal y Trasplante Renal: Evaluación del Impacto en la Salud, Daño moral y Calidad de Vida.	BRC.M01MAP	Rodríguez Cubillo, Beatriz	IIIA.8
Fundación Mutua Madrileña	Ayudas a la Investigación 2024	AMPLIACIÓN Y VALIDACIÓN DEL DIAGNÓSTICO PRENATAL NO INVASIVO DE LA ENFERMEDAD DE CÉLULAS FALCIFORMES MEDIANTE PCR DIGITAL Y SECUENCIACIÓN DE NANOPORO	AP-15003/2024	Ropero Gradilla, Paloma	OGS.24
Organización Nacional de Trasplantes	Subvenciones para fomentar la donación y el trasplante de órganos, tejidos y células 2024	Curso de Donación en Asistolia (XVIII edición)	EXP2024/003552	Torres González, Juan Ignacio	
Sociedad Española de Oncología Médica	Becas SEOM para Proyectos de Investigación en Cáncer de Mama 2024	Descifrando la influencia de la obesidad en la progresión del cáncer de mama hereditario a través de firmas proteicas en vesículas extracelulares	PPS.SEOM.24	Pérez Segura, Pedro	ONC.1
Sociedad Española de Terapias de Ondas de Choque	Beca SETOC 2023-2024 para Proyectos de Investigación en Tratamientos con Ondas de Choque y Ondas de Presión	Eficacia de las ondas de choque focales piezoeléctricas en el tratamiento del linfedema secundario de miembro superior	CCG.C01SETOC	Cuenca Gonzalez, Concepción	

REGIONAL					
FUNDING ENTITY	CALL	TITLE	CODE	DIRECTOR	GROUP
Colegio Profesional de Fisioterapeutas de la Comunidad de Madrid	Ayudas a la Investigación 2024	Influencia de la adherencia terapéutica, la alianza terapeuta-paciente y el abordaje centrado en la persona en la rehabilitación del ictus subagudo: estudio prospectivo observacional	PMC.CAM.24	MARTIN CASAS, PATRICIA	OGS.22
Comunidad de Madrid	Proyectos de I+D realizados en colaboración entre grupos de Investigación pertenecientes a las Universidades y Organismos de Investigación de la Comunidad de Madrid en la modalidad de Programas de Actividades de I+D en Tecnologías.	FUNCIONALIZACIÓN DE BIGELES BASADOS EN SUBPRODUCTOS DE ALGARROBA PARA LA FORMULACIÓN DE ALIMENTOS CÁRNICOS: EVALUACIÓN PRECLÍNICA Y CLÍNICA EN LA DIABESIDAD	TEC-2024/BIO-307	PORTOLÉS PÉREZ, ANTONIO	TEC.10
Comunidad de Madrid	Proyectos de I+D realizados en colaboración entre grupos de Investigación pertenecientes a las Universidades y Organismos de Investigación de la Comunidad de Madrid en la modalidad de Programas de Actividades de I+D en Tecnologías.	Integración de Nuevas Tecnologías organ-on-chip para el estudio de enfermedades cutáneas y neurodegenerativas	TEC-2024/BIO-98	TOLEDANO MARTÍNEZ, MARÍA ESTHER	IIIA.3
Comunidad de Madrid	Proyectos de I+D realizados en colaboración entre grupos de Investigación pertenecientes a las Universidades y Organismos de Investigación de la Comunidad de Madrid en la modalidad de Programas de Actividades de I+D en Tecnologías.	Proyecto ALENTAR-J-CM: Aplicación de modelos del LENGuaje a gran escala para la prevención de problemas de salud mental y Riesgo de suicidio en Jóvenes	TEC-2024/COM-224	DÍAZ MARSÁ, MARINA FRANCISCA	NEC.2
Comunidad de Madrid	Proyectos de I+D realizados en colaboración entre grupos de Investigación pertenecientes a las Universidades y Organismos de Investigación de la Comunidad de Madrid en la modalidad de Programas de Actividades de I+D en Tecnologías.	Evaluación integral de la calidad del aire urbano y cambio climático - 2 (AIRTEC2-CM)	TEC-2024/ECO-283	GÓMEZ GARRE, DULCE-NOMBRE	CV.11
Consejería de Sanidad de la Comunidad de Madrid	Acuerdo de distribución de los fondos en relación a enfermedades raras y las enfermedades neurodegenerativas (incluido ELA) correspondientes al ejercicio 2024	Implementación en la práctica clínica de biomarcadores en sangre para la enfermedad de Alzheimer	JMA.CAM.24	MATÍAS-GUÍU ANTEM, JORDI	NEC.6

Human Resources grants awarded in competitive calls

INTERNATIONAL

FUNDING ENTITY	TITLE	CODE	GROUP
Instituto de Salud Carlos III	Contratos de gestión en investigación en salud en los IIS	GIS24/00025	UTS
Instituto de Salud Carlos III	Contratos para la Intensificación de la actividad investigadora en el SNS	INT24/00039	CV.4
Instituto de Salud Carlos III	Contratos para la Intensificación de la actividad investigadora en el SNS	INT24/00027	NEC.18
Instituto de Salud Carlos III	Contratos para la Intensificación de la actividad investigadora en el SNS	INT24/00018	NEC.1
Instituto de Salud Carlos III	Contrato Miguel Servet	CP24/00117	NEC.7
Instituto de Salud Carlos III	Contrato Sara Borrell	CD24/00084	CV.2
Instituto de Salud Carlos III	Contrato Río Hortega	CM24/00142	CV.10
Instituto de Salud Carlos III	Contrato PFIS	FI24/00199	NEC.22
Agencia Estatal de Investigación	Contratación de personal técnico de apoyo 2024	PTA2024-025223-I	UTS
Comunidad de Madrid	Contratación de personal investigador predoctoral en formación 2023	PIPF-2023/SAL-GL-29636	IIIA.2
Comunidad de Madrid	Contratación de personal investigador predoctoral en formación 2023	PIPF-2023/SAL-GL-30377	NEC.2
Comunidad de Madrid	Contratación de personal investigador predoctoral en formación 2023	PIPF-2023/SAL-GL-30910	NEC.22
Comunidad de Madrid	Contratación de personal investigador predoctoral en formación 2023	PIPF-2023/SAL-GL-29532	ONC.1
Comunidad de Madrid	Contratación de personal investigador predoctoral en formación 2023	PIPF-2023/SAL-GL-30461	NEC.6
Comunidad de Madrid	Contratación de personal investigador predoctoral en formación 2023	PIPF-2023/SAL-GL-30501	CV.11
Comunidad de Madrid	Ayudas para contratación de Ayudantes de Investigación y Técnicos de Laboratorio 2024	PEJ-2024-AI/SAL-GL-32368	CV.11
Comunidad de Madrid	Ayudas para contratación de Ayudantes de Investigación y Técnicos de Laboratorio 2024	PEJ-2024-AI/SAL-GL-32800	IIIA.2
Comunidad de Madrid	Ayudas para contratación de Ayudantes de Investigación y Técnicos de Laboratorio 2024	PEJ-2024-TL/SAL-GL-31849	CV.11
Comunidad de Madrid	Ayudas para contratación de Ayudantes de Investigación y Técnicos de Laboratorio 2024	PEJ-2024-TL/SAL-GL-32197	ONC.1
Comunidad de Madrid	Ayudas para contratación de Ayudantes de Investigación y Técnicos de Laboratorio 2024	PEJ-2024-TL/SAL-GL-32960	IIIA.8
Sociedad Española de Hematología y Hemoterapia (SEHH)	Ayudas a la Investigación de la FEHH	PRG.FEHH.24	OGS.24
Comunidad de Madrid	Programa de Jóvenes Investigadores	09-PIN1-00003.5/2024	UTS

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INTRAMURAL CALLS



The background of the entire image is a purple-tinted photograph of a Leica microscope. The microscope is a compound light microscope, showing the base, stage, objective lenses, and eyepiece. The Leica logo is visible on the base of the microscope. The text "NETWORKS AND ALLIANCES" is overlaid on the image. "NETWORKS" is written vertically in white, with a small orange square to its left. "AND ALLIANCES" is written horizontally in large, bold, white capital letters to the right of "NETWORKS".

NETWORKS AND ALLIANCES

Networks and alliances

THEMATIC NETWORK FOR COOPERATIVE HEALTH RESEARCH (RETICS) - ISCIII

 Red de Salud Materna Infantil y del Desarrollo	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
 Red de Enfermedades Inflamatorias (REI) (REDip-virolog)	RED DE ENFERMEDADES INFLAMATORIAS (COORDINACIÓN)	RD21/0002/0001 Luis Rodríguez Rodríguez GROUP: IIIA.3
	GRUPO DE GENÉTICA Y BASES MOLECULARES DE ENFERMEDADES COMPLEJAS	RD21/0002/0038 Elena Urcelay García GROUP: IIIA.2
 Red de Investigación en Cronicidad, Atención Primaria y Prevención y Promoción de la Salud	RED DE INVESTIGACIÓN EN CRONICIDAD, ATENCIÓN PRIMARIA Y PREVENCIÓN Y PROMOCIÓN DE LA SALUD	RD21/0016/0001 Daniel Muñoz Jiménez GROUP: OGS.18
 Red de Investigación en Cuidados y Servicios de Salud	UNIDAD DE INVESTIGACIÓN EN CUIDADOS Y SERVICIOS DE SALUD	Daniel Muñoz Jiménez GROUP: OGS.18
	European Corona Vaccine Trial Accelerator Platform	Antonio Portolés Pérez GROUP: TEC.10
 redEspañola de esclerosis múltiple	RED ESPAÑOLA DE ESCLEROSIS MÚLTIPLE	RD16/0015/0013: ELENA URCELAY GARCÍA - Grupo: IIIA.2 Roberto Álvarez Lafuente - Grupo NEC.7
 Asociación Española de Esclerosis Lateral Amiotrófica	Consorcio nacional para la investigación de la genética de la ELA	Antonio Guerrero (IP), Lucía Galán, Alejandro Horga y Silvia Corrochano GRUPO: NEC.6
 EXONED	EXONED Red española dedicada a la investigación avanzada en el campo de las enfermedades neurodegenerativas	Silvia Corrochano GRUPO: NEC.6
 RED GLIAL ESPAÑOLA	RED GLIAL ESPAÑOLA	Silvia Corrochano GROUP: NEC.
	REGULACION EXTRASINAPTICA DE LA FUNCION NEURONAL EN ENFERMEDADES NEURODEGENERATIVAS MEDIANTE VESICULAS EXTRACELULARES	RED2022-134774-T Silvia Corrochano Sánchez (Colaboradora) GROUP: NEC.6

NETWORKED BIOMEDICAL RESEARCH CENTRES (CIBER)- ISCIII

 CIBER SAM	SALUD MENTAL	CB/07/09/0026 Blanca Reneses Prieto GROUP: NEC.1.
 CIBER CV	ENFERMEDADES CARDIOVASCULARES	CB16/11/00458 Julián Pérez-Villacastín Domínguez, Dulcenombre Gómez Garre Nieves Martell Claros GROUP: CV.4/CV.11
 CIBER DEM	DIABETES Y ENFERMEDADES METABÓLICAS ASOCIADAS	CB07/08/0001 (UCM) Carlos Guillén Viejo GROUP: OGS.6 CB07/08/0030 Alfonso Luis Calle Pascual GROUP: OGS.9
 CIBER INFECC	ENFERMEDADES INFECCIOSAS	CB21/13/00126 Vicente Estrada Pérez GROUP: IIIA.9
 CIBER BBN	BIOINGENIERÍA, BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)	CB06/01/1037 (UCM) Teresa Portolés Pérez GROUP: TEC.1
 CIBER ESP	EPIDEMIOLOGÍA Y SALUD PÚBLICA	CB06/02/0051 (UCM) José Pulido Manzaner GROUP: OGS.19

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 SECUNDARIAS A CANALOPATÍAS	Isidre Vilacosta GROUP: CV.7
	Identifying Biomarkers Through Translational Research for Prevention and Stratification of Colorectal Cancer	CA17118 Beatriz Pérez-Villamil Salgado GROUP: ONC.1
	Pan-European Network in Lipidomics and EpiLipidomics	CA19105 Silvia Corrochano Sánchez GROUP: NEC.6
	European Clinical Research Infrastructure Network	IdISSC: Scientific Partner Emilio Vargas Cartrillón Antonio Portolés Pérez GROUP: TEC.10
	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
	EBRAINS	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
	European Infrastructure for translational medicine	IdISSC ASSOCIATED MEMBER
	CIMBA – CONSORCIO DE INVESTIGADORES DE MODIFICADORES DE BRCA1/2	Miguel De La Hoya Mantecón GROUP: ONC.1

OTHER THEMATIC NETWORKS

	BCAC – 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 ISCIII de Biomodelos y Biobancos	PT23/00167 Ortega Medina, Luis Group: ONC.3 Staff: 26 3.562 registered samples 2.541 provided samples
	Spanish Clinical Research Network ISCIII Plataforma ISCIII de apoyo a la I+D+I en Biomedicina y Ciencias de la Salud del Hospital Clínico San Carlos (Spanish Clinical Research Network SCReN)	PT23/00162 Portolés Pérez, Antonio Group: TEC.10 Staff: 21 38 projects managed (6 SCReN) 70 monitored recruiting centres (38 SCReN) Participation in 3 international projects 3339 monitored patients (350 SCReN)
	Plataforma ISCIII de Dinamización e Innovación de las capacidades industriales del SNS y su transferencia efectiva al sector productivo	PT23/00122 Luaces Méndez, María Group: UTS UI Staff: 9 Patent applications: EP24382757, PCT/EP2338234, y US18/955,183. Staff:: 2 Start-ups participating in accelerators: (RAICAP): Spinoff proposal for the creation of a startup with the aim of offering Automated and Intelligent Robotic Biotechnological Solutions for Cold Atmospheric Plasma Surgical Applications. (Cold Atmospheric Plasma). Staff:: 2

The background of the slide is a photograph of medical equipment, including an ultrasound machine with a screen and various control buttons, and a clipboard with papers in the foreground. The entire image is overlaid with a semi-transparent purple filter.

FUNDING SOURCES

Funding Sources

Income

	Income	Overheads	Total Income
Grants	3.720.746,64	250.649,67	3.971.396,31
Donations	352.416,61	32.035,21	384.451,82
Partnership and sponsorship agreements	929.210,87	130.958,23	1.060.169,10
Scientific research (clinical trials, collaborations...)	6.169.982,51	2.046.841,09	8.216.823,60
Financial Income	729.224,94		729.224,94
Benefits in financial instruments	0,00		0
Extraordinary income	4.719,50		4.719,50
	11.906.301,07	2.460.484,20	14.366.785,27

Expenses

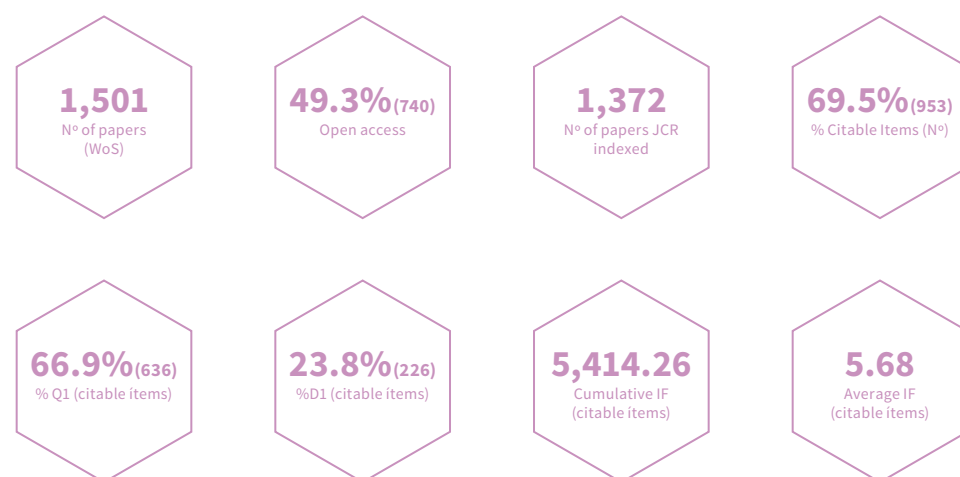
GASTOS / INVERSIONES	Publicly funded research projects	Privately funded research projects	Clinical research projects	Activity specific to the Strategic Plan	Total Activities	Not allocated to activities	TOTAL
	Amount	Amount	Amount	Amount	Amount	Amount	Amount
Personnel costs	2.502.676,66	686.062,30	4.077.437,20	791.471,62	8.057.647,78	0,00	8.057.647,78
Procurement	1.090.768,08	454.458,10	2.788.373,51	204.535,77	4.538.135,46	135.552,25	4.673.687,71
Other activity costs	198.326,77	67.271,91	476.893,02	71.203,42	813.695,12	0,00	813.695,12
Monetary, non-mone- tary, other aids	381.407,71	125.896,87	146.032,50	119.463,18	772.800,26	0,00	772.800,26
Depreciation of fixed assets	0,00	0,00	0,00	0,00	0,00	10.788,87	10.788,87
Valuation of Financial Instruments	0,00	0,00	0,00	0,00	0,00	26.723,13	26.723,13
Extraordinary expenses	4.173.179,22	1.333.689,18	7.488.736,23	1.186.673,99	14.182.278,62	173.064,25	14.355.342,87
Total costs (€)	3.972.618,73	1.313.881,47	5.518.671,75	1.192.330,85	11.997.502,80	188.135,18	12.185.637,98

■ SCIENTIFIC **PRO
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Scientific Production

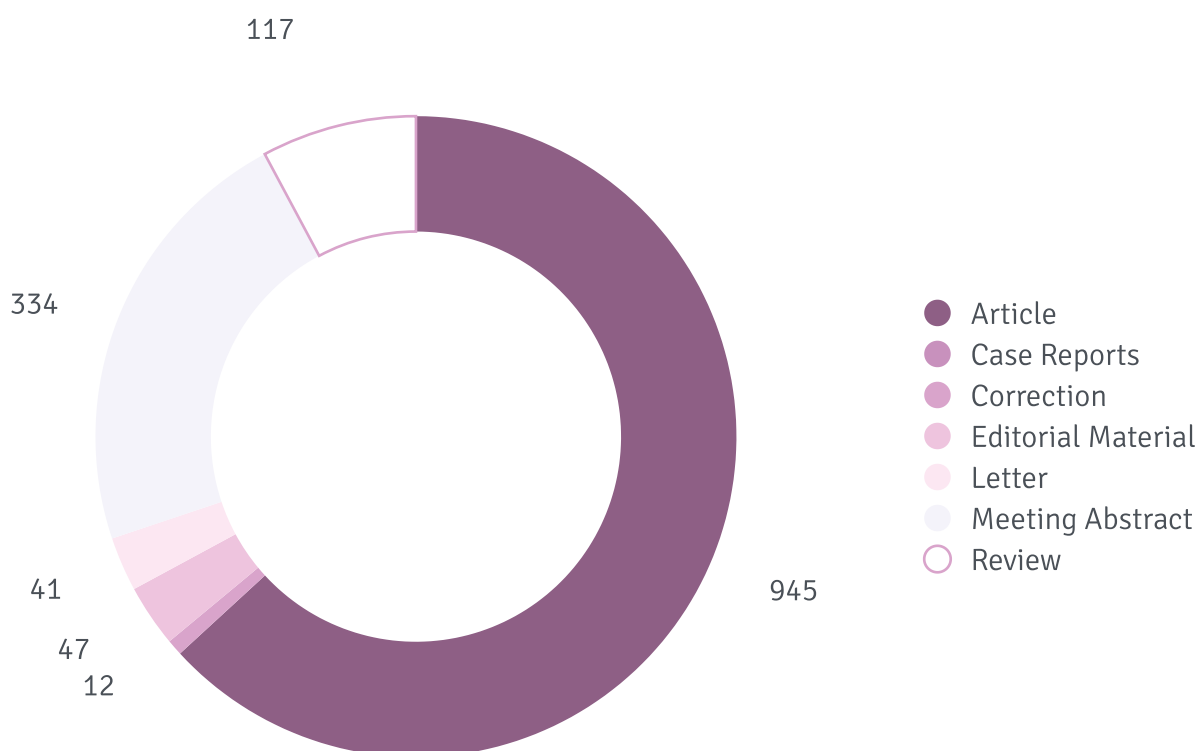
IdISSC researchers published a total of 1,501 documents in the WoS (Core Collection) in 2024, of which 1,065 are citable documents, i.e. articles and reviews.

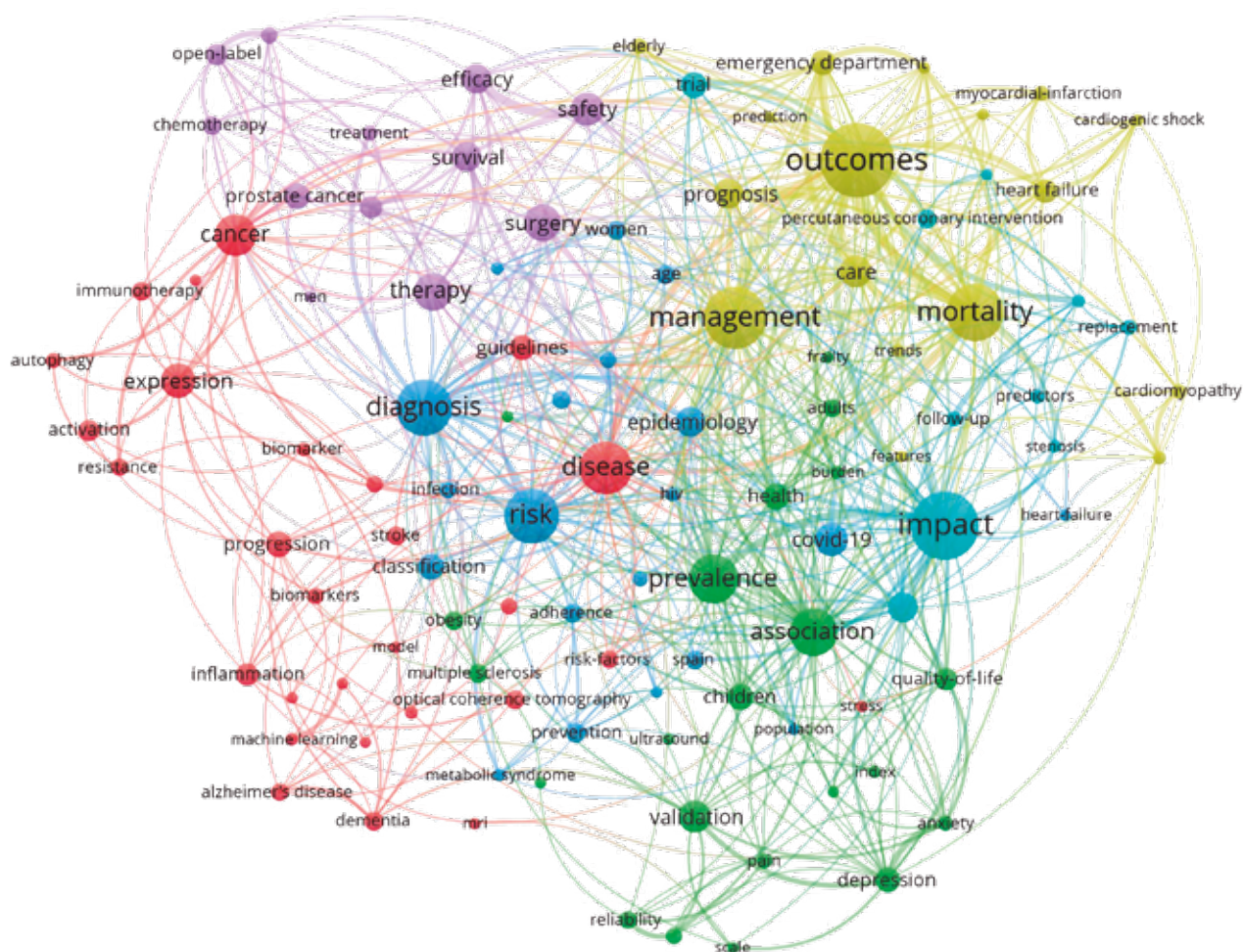
Of the total scientific production in 2024, 91.4% (1,372 documents) are included in the JCR and, of these, 953 (69.5%) are citable documents. The 66.9% (636) of the citable items are in Q1 journals and the 23.8% (226) of the citable items are in D1 journals.



*Original articles, case reports, correction, editorial material, letter, meeting abstract and reviews.

IdISSC scientific production by document type



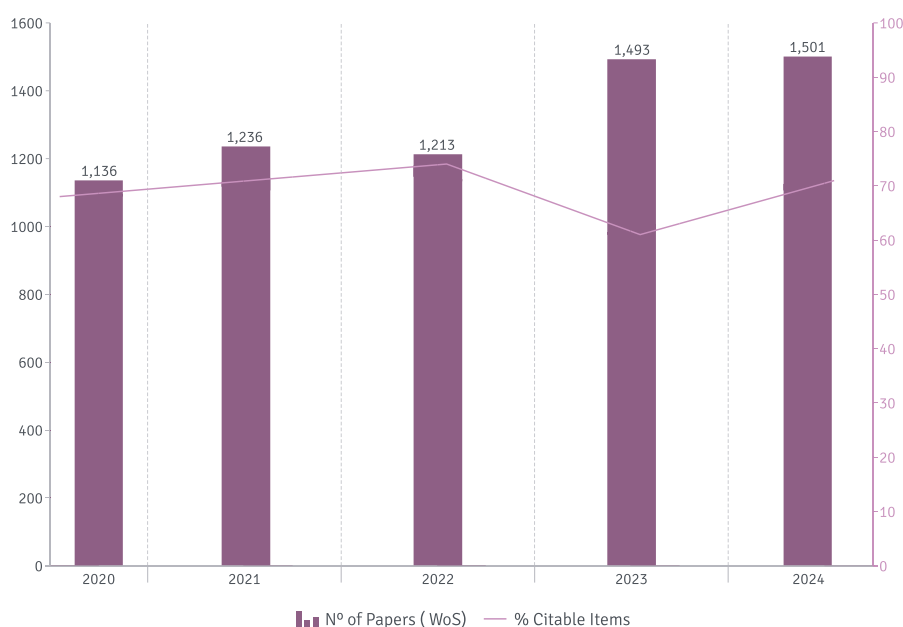


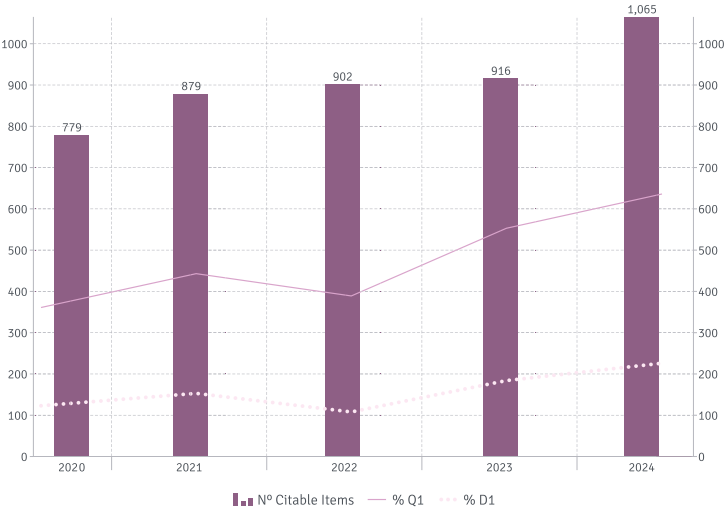
Top 10 journals with the highest publication rate

IdISSC researchers published in a total of 623 different journals in 2024. The following table shows the 10 journals with the highest number of publications, which represent 19% (278 documents) of the total scientific production in the WoS for this year. 90% of the journals are included in the first quartile of their respective WoS categories and five of them are in the Top 10 positions in the WoS category..

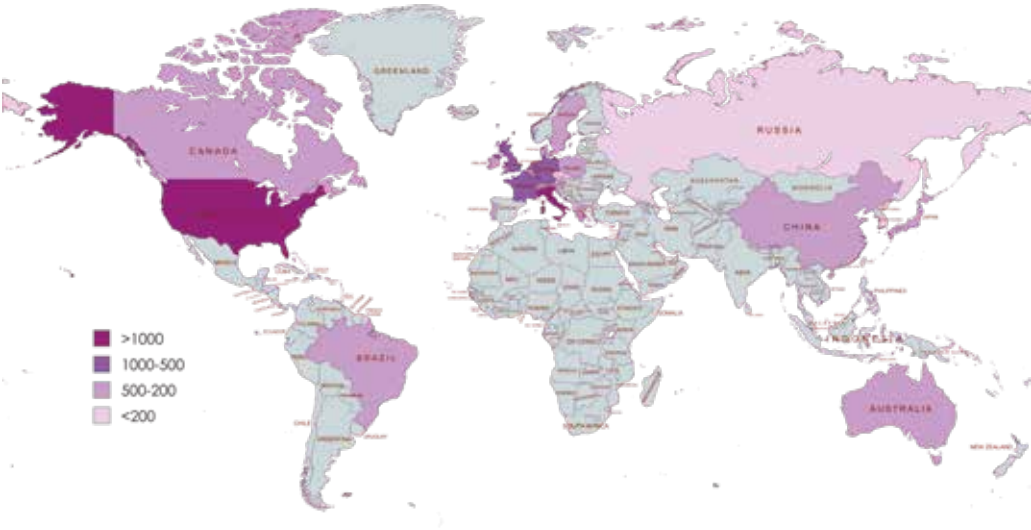
JOURNAL	Nº OF PAPERS (WoS)	QUARTILE 2024	WoS CATEGORY	ARTICLE INFLUENCE SCORE 2024	JOURNAL CITATION INDICATOR 2024	IF (WITHOUT SELF-CITATIONS) 2024
JOURNAL OF CLINICAL MEDICINE	39	Q1	MEDICINE, GENERAL & INTERNAL	0.868	0.9	2.9
EUROPEAN HEART JOURNAL	38	Q1	CARDIAC & CARDIOVASCULAR SYSTEMS	12.59	8.05	35.6
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	26	Q1	BIOCHEMISTRY & MOLECULAR BIOLOGY	1.121	0.71	4.9
MULTIPLE SCLEROSIS JOURNAL	26	Q1	CLINICAL NEUROLOGY	1.82	1.25	5
JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY	25	Q1	CARDIAC & CARDIOVASCULAR SYSTEMS	10.093	5.06	23.3
REVISTA ESPAÑOLA DE CARDIOLOGIA	25	Q1	CARDIAC & CARDIOVASCULAR SYSTEMS	1.815	2.1	4.9
ANNALS OF ONCOLOGY	23	Q1	ONCOLOGY	20.038	8.38	65.4
JOURNAL OF CLINICAL ONCOLOGY	22	Q1	ONCOLOGY	16.505	6.68	41.9
EUROPEAN UROLOGY	20	Q1	UROLOGY & NEPHROLOGY	7.711	7.04	25.2
MEDICINA CLINICA	17	Q2	MEDICINE, GENERAL & INTERNAL	0.538	0.56	2.1
NUTRIENTS	17	Q1	NUTRITION & DIETETICS	1.187	0.99	5

IdISSC Scientific Production (2020-2024)





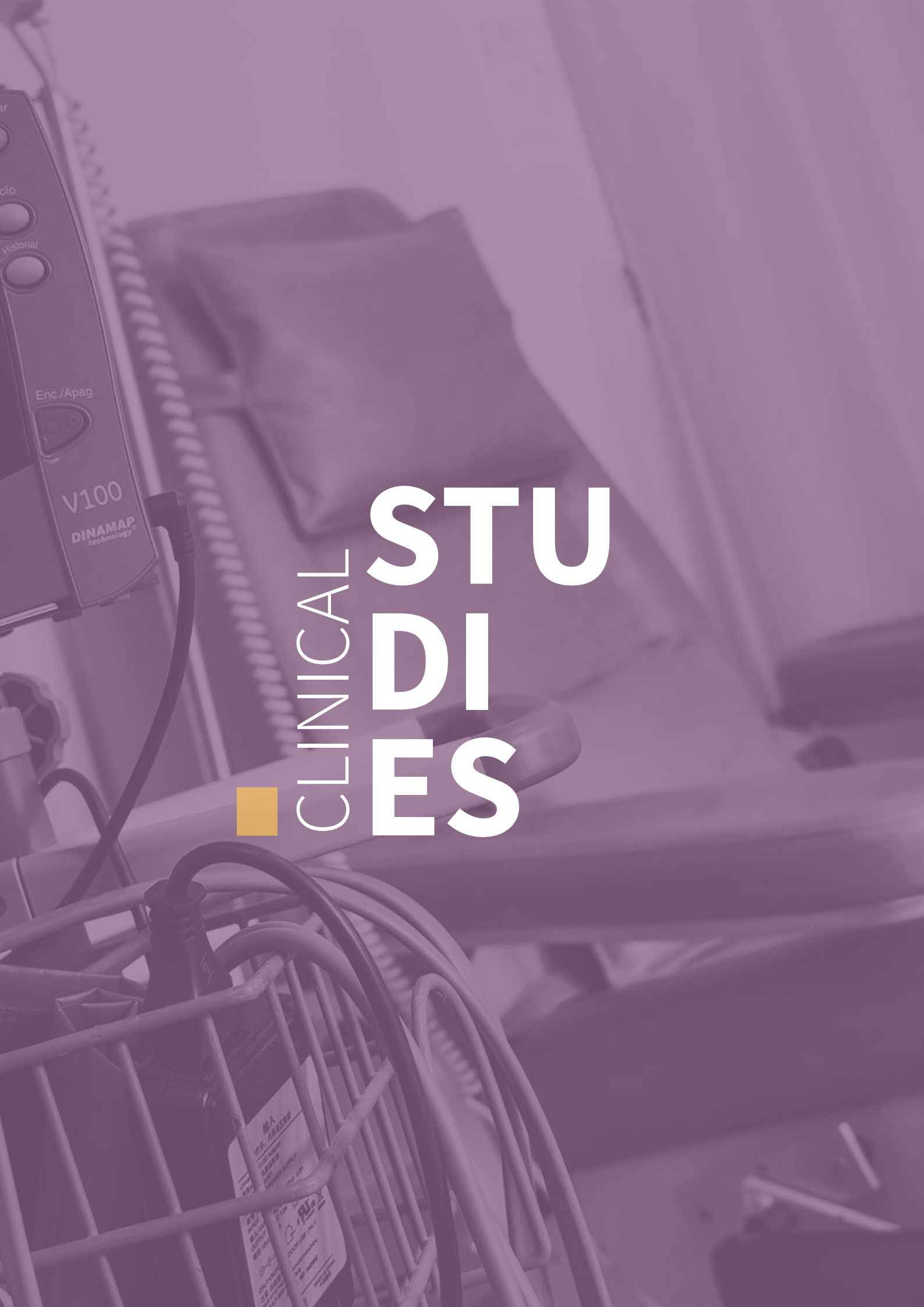
International Scientific Collaboration by country



Top 10: Most cited papers

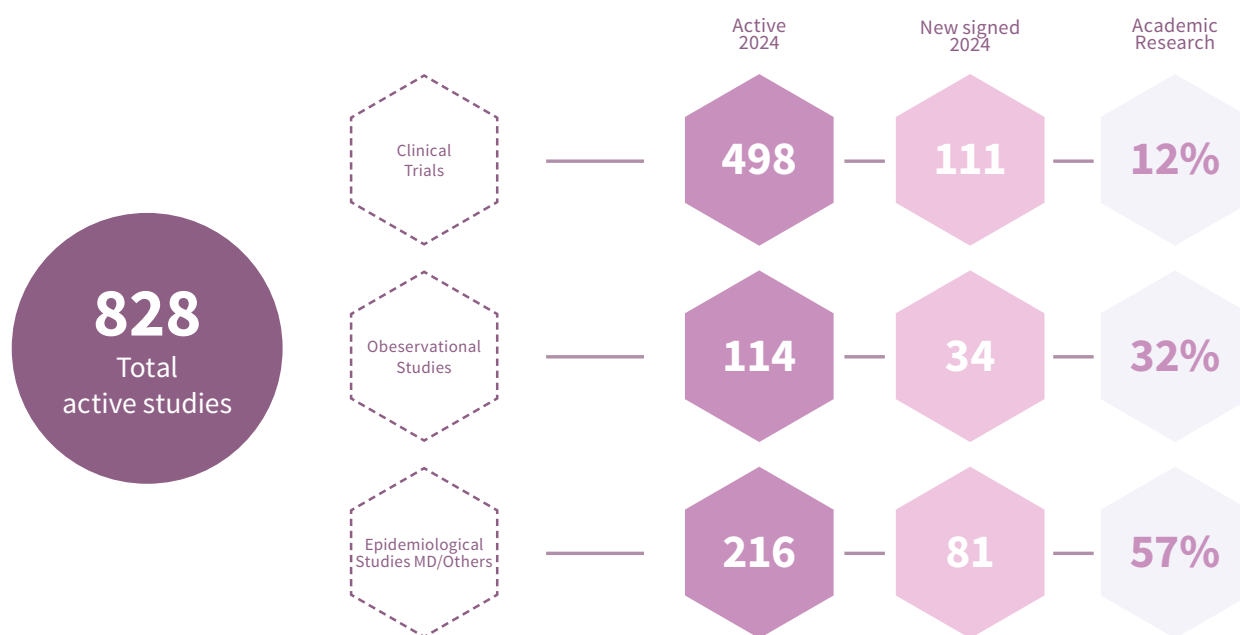
TITLE	JOURNAL	TIMES CITED	YEAR	QUARTIL	WOS CATEGORY	ARTICLE INFLUENCE SCORE
Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition)	AUTOPHAGY	3647	2021	Q1 (16/204)	CELL BIOLOGY	4.438
Prevalence of SARS-CoV-2 in Spain (ENE-COVID): a nationwide, population-based seroepidemiological study	LANCET	1225	2020	Q1 (1/332)	MEDICINE, GENERAL & INTERNAL	38.189
New insights into the genetic etiology of Alzheimer's disease and related dementias	NATURE GENETICS	1130	2022	Q1 (2/191)	CELL BIOLOGY	19.053
2023 ESH Guidelines for the management of arterial hypertension The Task Force for the management of arterial hypertension of the European Society of Hypertension<i></i></i>Endorsed by the International Society of Hypertension (ISH) and the European Renal Association (ERA)	JOURNAL OF HYPERTENSION	948	2023	Q1 (20/98)	PERIPHERAL VASCULAR DISEASE	1.309

TITLE	JOURNAL	TIMES CITED	YEAR	QUARTIL	WOS CATEGORY	ARTICLE INFLUENCE SCORE
Effect of Continued Weekly Subcutaneous Semaglutide vs Placebo on Weight Loss Maintenance in Adults With Overweight or Obesity The STEP 4 Randomized Clinical Trial	JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION	704	2021	Q1 (4/332)	MEDICINE, GENERAL & INTERNAL	26.428
World allergy organization anaphylaxis guidance 2020	World Allergy Organization Journal	641	2020	Q2 (13/39)	ALLERGY	1.327
Lenvatinib plus Pembrolizumab for Advanced Endometrial Cancer	NEW ENGLAND JOURNAL OF MEDICINE	592	2022	Q1 (2/332)	MEDICINE, GENERAL & INTERNAL	37.848
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	532	2021	Q1 (1/108)	RESPIRATORY SYSTEM	12.963
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	509	2020	Q1 (3/230)	CARDIAC & CARDIOVASCULAR SYSTEMS	12.59
Immediate and long-term impact of the COVID-19 pandemic on delivery of surgical services	BRITISH JOURNAL OF SURGERY	507	2020	Q1 (5/312)	SURGERY	3.133

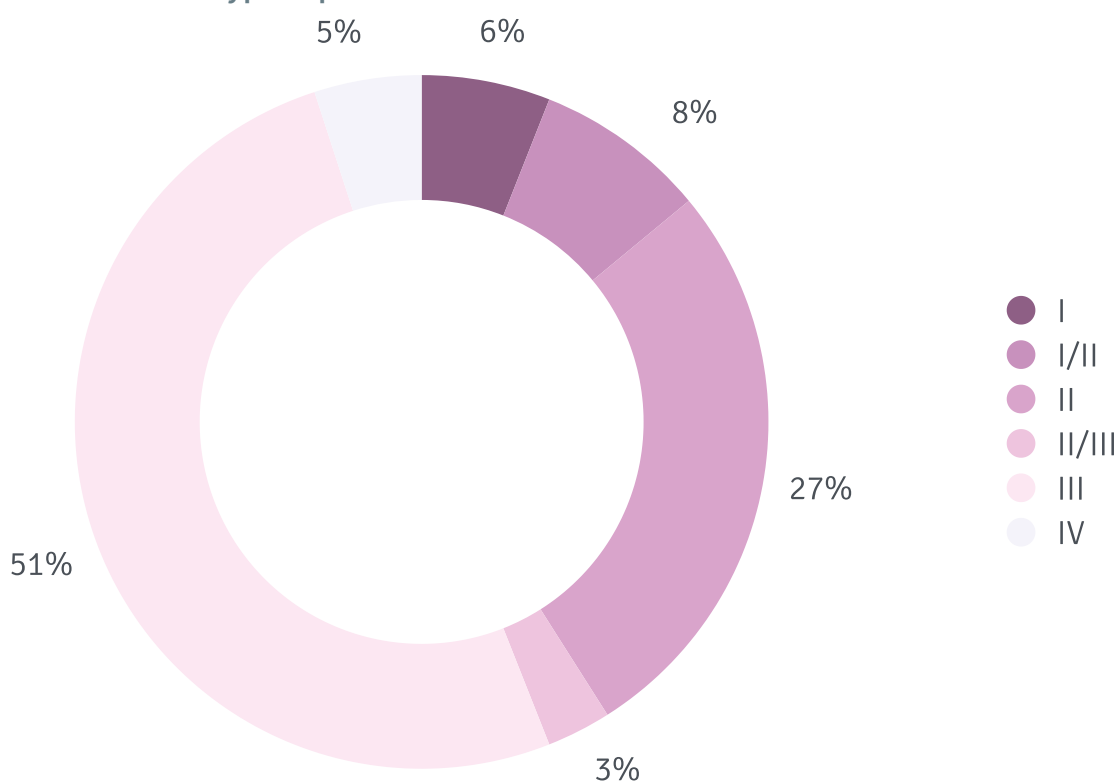


CLINICAL STUDIES

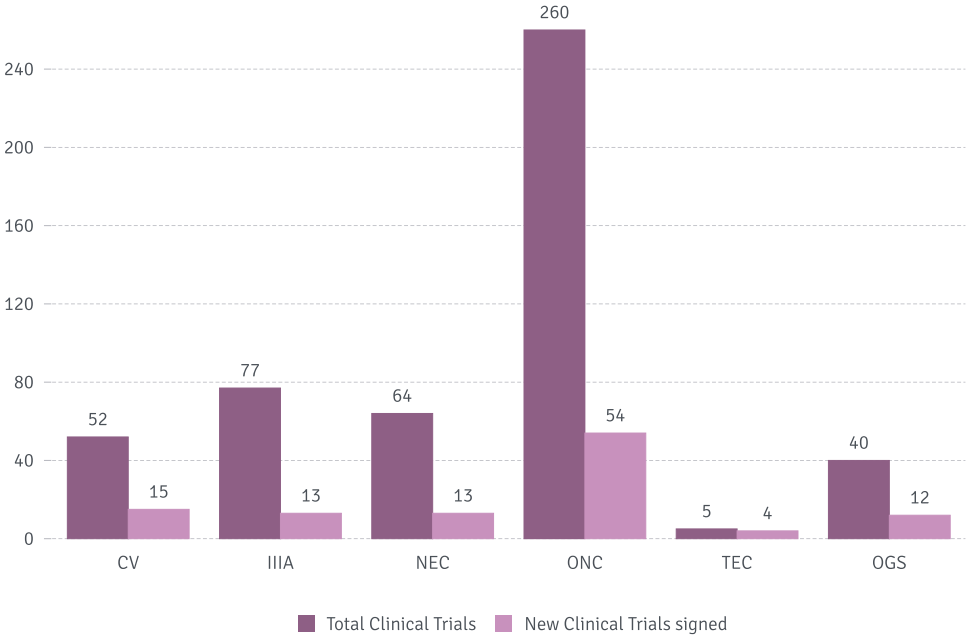
Clinical Studies



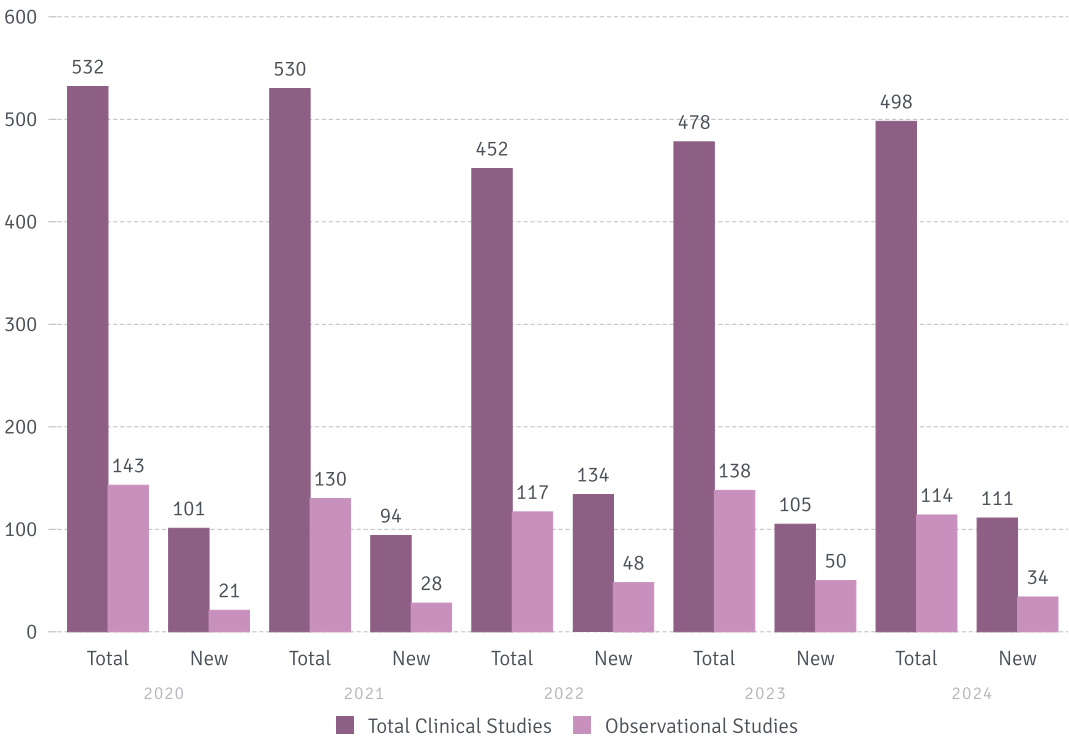
Clinical Trials: Type of phase



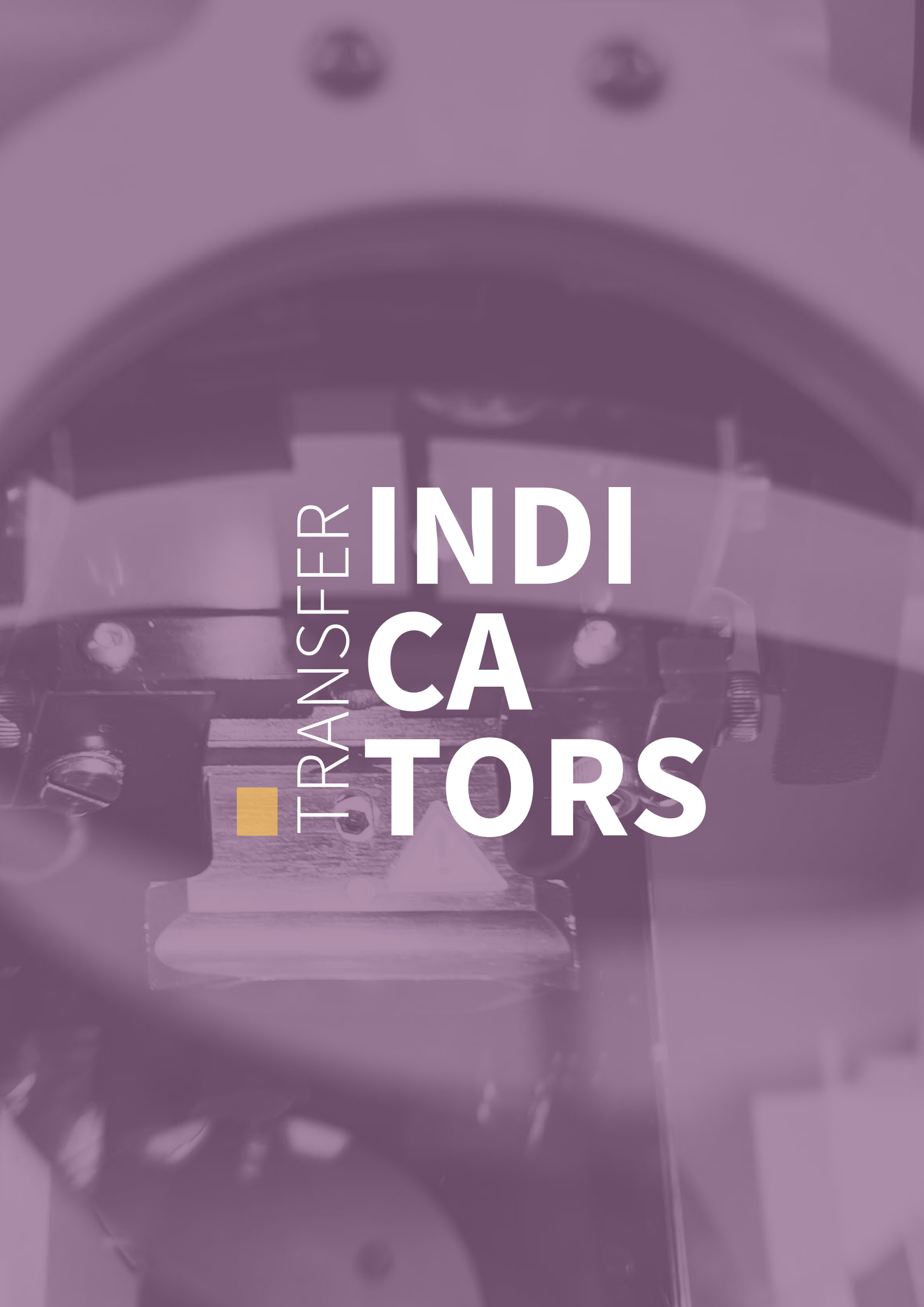
Clinical Trials: Studies by area



Evolution of clinical estudios

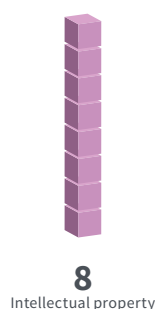
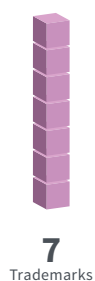
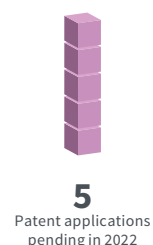
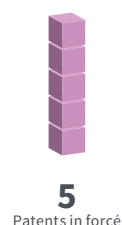
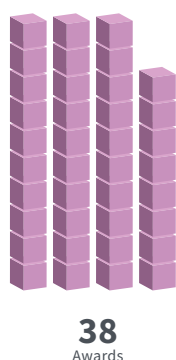
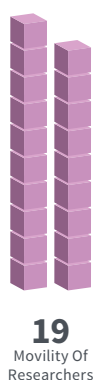
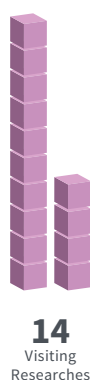
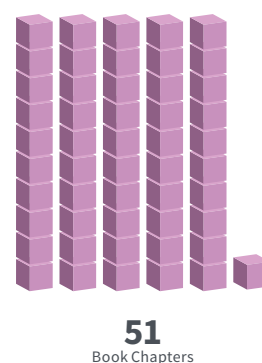
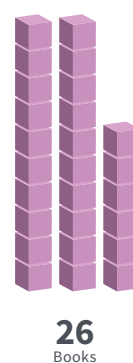
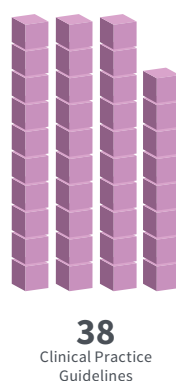
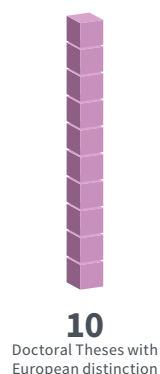
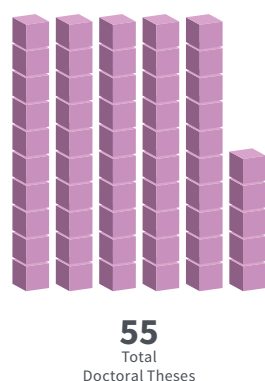






TRANSFER INDICATORS

Transfer and other research indicators



Clinical Practice Guidelines

1. Abellán Alemán J, Sabaris RC, Pardo DE, García Donaire JA, Romanos FG, Iriso JI, Penagos LM, Iglesias LJN, de Salinas APM, Pérez-Monteliviva NRR, Lezcano PS, Saborido MT, Roca FV; en representación de la Sociedad Española de Hipertensión y las Sociedades Autonómicas de Hipertensión y Riesgo Vascular de España. . Documento de consenso sobre tabaquismo y riesgo vascular. . SEHLEHA. 2024. DOI: doi: 10.1016/S1889-1837(24)00075-8.

2. Tung-Chen, Y., Sanchez, G. Garcia de Casasola, Rubio, S. Garcia, Romero, L. Beltran, Wittel, M. Bernabeu, Figuero, L. S. Briongos, Lebrato, J. Canora, Gil, D. Garcia, Palmero, S. Lopez, Tedesco, D. Luordo, Rico, P. Martin, Gonzalez, M. Mateos, MENDEZ BAILON, MANUEL, Porcel, J. M., Serralta, G., Arrese, M. Torres, Olaso, J. Oteiza, Garcia, P. Varela, Macho, J. Torres . Executive summary of the consensus document for the training and development of clinical ultrasound in internal medicine: Recommendations from the Clinical Ultrasound Working Group of the Spanish Society of Internal Medicine (GTECO-SEMI). REVISTA CLINICA ESPANOLA. 2024. DOI: 10.1016/j.rce.2023.11.005.

3. Linz, Dominik , Andrade, Jason G. , Arbelo, Elena , Boriani, Giuseppe , Breithardt, Guenter , Camm, A. John , Caso, Valeria , Nielsen, Jens Cosedis , De Melis, Mirko , De Potter, Tom , Dichtl, Wolfgang , Diederichsen, Soren Zoega , Dobrev, Dobromir , Doll, Nicolas , Duncker, David , Dworatzek, Elke , Eckardt, Lars , Eisert, Christoph , Fabritz, Larissa , Farkowski, Michal , FILGUEIRAS RAMA, DAVID, Goette, Andreas , Guasch, Eduard , Hack, Guido , Hatem, Stephane , Haeusler, Karl Georg , Healey, Jeff S. , Heidebuechel, Hein , Hijazi, Ziad , Hofmeister, Lucas H. , Hove-Madsen, Leif , Huebner, Thomas , Kaab, Stefan , Kotecha, Dipak , Malaczynska-Rajpold, Katarzyna , Merino, Jose Luis , Metzner, Andreas , Mont, Lluís , Ng, Ghulam Andre , Oeff, Michael , Parwani, Abdul Shokor , Puererfellner, Helmut , Ravens, Ursula , Rienstra, Michiel , Sanders, Prashanthan , Scherr, Daniel , Schnabel, Renate , Schotten, Ulrich , Sohns, Christian , Steinbeck, Gerhard , Steven, Daniel , Toennis, Tobias , Tzeis, Stylianos , van Gelder, Isabelle C. , van Leerdam, Roderick H. , Vernooy, Kevin , Wadhwa, Manish , Wakili, Reza , Willems, Stephan , Witt, Henning , Zeemering, Stef , Kirchhof, Paulus . Longer and better lives for patients with atrial fibrillation: the 9th AFNET/EHRA consensus conference. Europace. 2024. DOI: 10.1093/europace/eaee070.

4. Montoliu, Antonio Tello , Gonzalez, Agustin Olea , Escudero, Angel Pu-jante, del Villar, Maria Martinez, Galipienso, Fernando de la Guia, Gonzalez, Leonel Diaz , Olmo, Rosa Fernandez , Freixa-Pamias, Roman , VIVAS BALCONES, LUIS DAVID. Cardiovascular considerations on recreational scuba diving. SEC-Clinical Cardiology Association/SEC-Working Group on Sports Cardiology consensus document. REVISTA ESPANOLA DE CARDIOLOGIA. 2024. DOI: 10.1016/j.rec.2024.04.001.

5. Meca-Lallana, J. E. , Yelamos, S. Martinez, Eichau, S. , Llana, M. A. , Martinez, J. Martin , Martinez, J. Pena , Lallana, V. Meca , Torres, A. M. Alonso , Torres, E. Moral , Rio, J. , Calles, C. , Luque, A. Ares , Ramio-Torrenta, L. , Sola, M. E. Marzo , Prieto, J. M. , Gines, M. L. Martinez , ARROYO GONZÁLEZ, RAFAEL VÍCTOR, Martínez, M. A. Otano , Ruiz, L. Brieva , Gutierrez, M. Gomez , Zarranz, A. Rodriguez-Antiguedad , Sanchez-Seco, V. G. , Costa-Frossard, L. , Perez, M. A. Hernandez, Pascual, L. Landete, Platas, M. Gonzalez, OREJA GUEVARA, CELIA. Consensus statement of the Spanish Society of Neurology on the treatment of multiple sclerosis and holistic patient management in 2023. Neurologia. 2024. DOI: 10.1016/j.nrl.2023.06.001.

6. Cavallieri F, Sellner J, Akhvdiani T, Bassetti CL, Bereczki D, Fanciulli A, Filipović SR, Guekht A, Helbok R, Hochmeister S, Martinelli Boneschi F, von Oertzen TJ, Öztürk S, Priori A, Ramankulov D, Willekens B, Rakusa M, Moro E; NeuroCOVID- 19 Task Force of the European Academy of Neurology. The European Academy of Neurology NeuroCOVID-19 Task Force: A lesson for the future. Eur J Neurol. 2024. DOI: 10.1111/ene.16321. Epub 2024 Apr 26. PMID: 38676302; PMCID: PMC11618110.

7. Messmer, Elisabeth M. , Baudouin, Christophe , BENÍTEZ DEL CASTILLO SÁNCHEZ, JOSÉ MANUEL, Iester, Michele , Anton, Alfonso , Thygesen, John , Topouzis, Fotis . Expert Consensus Recommendations for the Management of Ocular Surface Inflammation in Patients With Glaucoma. JOURNAL OF GLAUCOMA. 2024. DOI: 10.1097/JG.0000000000002465.

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Protocols implemented in the HCSC

During the year 2024, there have been no new protocols approved and implemented at Hospital Clínico San Carlos.

Patents in force

- BIOHÍBRIDO PARA SU USO EN LA REGENERACIÓN DE TRACTOS NEURALES. Ownership: 100% FIBHCSC. Groups. ONC.6, TEC.6, NEC.6.
 - Spanish Patent no. ES2577883. Date of granting: 14/11/16.
- MÉTODO PARA EL PRONÓSTICO DE LA EFICACIA DE LA INMUNOTERAPIA ORAL PARA EL TRATAMIENTO DE LA ALERGIA A LAS PROTEÍNAS DE LECHE DE VACA. Ownership: 35% FIBHCSC 65% Fundación para la Investigación Biomédica del Hospital Universitario Ramón y Cajal. Allergy group: IIIA.1.
 - Spanish Patent no. ES2530440. Date of granting: 10/12/15
 - European Patent no. EP3361259. Date of granting: 23/05/20. This patent was validated in 2020 in Germany, France, United Kingdom and Italy.
- MÉTODO Y DISPOSITIVO PARA ANÁLISIS DE MATERIAL BIOLÓGICO, MÉTODO DE OBTENCIÓN Y USO DEL MISMO. Ownership: 50% FIBHCSC and 50% Universidad de Alcalá. Pediatrics and Innovation Unit groups.
 - Spanish Patent no. ES2598878. Date of granting: 17/10/17.
- 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. Ownership: 100% FIBHCSC. Vascular Biology group: CV.11.
 - Spanish Patent no. ES2645028. Date of granting: 28/05/18.
- 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. Ownership: 10% FIBHCSC 90% CNIC. Arrhythmia group: CV.4.
 - European patent no. EP3863510. Date of granting: 12/07/2023. This patent was validated in 2023 in United Kingdom, Switzerland and as a Unitary Patent title.
 - USA Patent Application no. 17284195 (entry into national phase based on International Application PCT/EP2019/077610): Application date: 9/4/21.

Patent Applications Pending

- FIRMA DE GENES ASOCIADAS CON UNA ALTA EXPRESIÓN DE LINFOCITOS T REGULADORES QUE PREDICEN EFICACIA DE TRATAMIENTOS ANTI-PD1 Y ANTI-CTLA4 - GENETIC SIGNATURE FORPREDICTING THE RESPONSE TO IMMUNOTHERAPIES IN A SUBJECT. Ownership: 100% FIBHCSC. Oncology groups. ONC.1.
 - European Patent Application no. EP23382324. Application date: 03/04/2023.
 - iPCT Application no. WO2024208833. Application date: 02/04/2024.
- MÉTODO Y APARATO PARA LA DERIVACIÓN DE ELECTROCARDIOGRAMAS CONVENCIONALES DE 12 DERIVACIONES EN PACIENTES PRONADOS. Ownership: 100% FIBHCSC. Servicio cardiovascular.
 - European Patent Application no. EP23383226. Application date: 29/11/2023.
 - USA Patent Application no. 18955183. Application date: 21/11/2024.
- AN IN VITRO METHOD FOR DETECTING CANCER. Ownership: 50% FIBHCSC; 50% INMUNOTEK. IIIA.12.
 - European Patent Application no. EP23383183. Application date: 20/11/2023.
 - PCT Application no. PCT/EP2024/082962. Application date: 20/11/2024.
- COMPOSITION FOR PROMOTING HAIR GROWTH. Ownership: 33% FIBHCSC; 33% INSTITUTO MÉDICO ESTÉTICO DE MADRIDL, SL; 33% IDEA STEM CELL, S.L. OGS.28.
 - European Patent Application no. EP23383357. Application date: 22/12/2023.
 - PCT Application no. PCT/EP204/088205. Application date: 20/12/2024.
- OSTHEOCONDRA TISSUE ON A CHIP SYSTEM AND METHOD FOR CULTURING OSTHEOCONDRA TISSUE. Ownership: 100% FIBHCSC.
 - European Patent Application no. EP24382757. Application date: 12/07/2024.

Utility Model Titles In Force

- TALLO CORRECTOR DE MALFORMACIONES ANORRECTALES. Ownership: 100% FIBHCSC. Ownership: 100% FIBHCSC.
 - Spanish utility model title: Publication no. ES1295240. Date of granting: 09/01/2023.

Utility Model Titles Pending

- EQUIPO PARA TRATAMIENTO DE LA INFECCIÓN RESPIRATORIA EN PACIENTES INTUBADOS. Ownership: 100% FIBHCSC.
 - Spanish utility model title. Application no. U202431152. Application date: 17/06/2024.

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)



Smart Health Center.
Figurative trademark
n° 018965435
(registration date:
28/04/2024)

Intellectual Property (Registrations/Applications)

- 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%.
- Video “Caso clínico: colecistectomía por abordaje laparoscópico con complicación intraquirúrgica y secuelas posoperatorias”. Registration no. 16/2013/6751 (registration date: 7/10/2013). Ownership of the FIBHCSC: 50%; JOHNSON-JOHNSON 50%.
- 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.
- Programa formativo para rondas de Seguridad. Application no. M-007880/2023 (registration date: 24/10/23). Ownership of the FIBHCSC: 100%. Group TEC.7.
- Caso de videosimulación en seguridad clínica con un proceso de cirugía fast-track. Registration no. M-9489-23 (registration date: 26/12/2023). Ownership of the FIBHCSC: 100%. Group TEC.7.
- FISSIOS APP. Application no. M-7419-24 (application date: 30/09/2024). Ownership of the FIBHCSC: 100%. ONC.1.

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.





DISSE MI NA TION

RESEARCH



Research Dissemination Activities

Scientific Conferences



International Day of Women and Girls in Science 2024

8 Activities:

- **Researchers at School: Las mujeres en la ciencia: papel en el campo de la Reproducción Asistida.**

Organiza: Instituto de Salud de la Mujer del HCSC. Grupo de Investigación en Salud de la Mujer.

- **Researchers at School: Presentación y taller de la Mujer y la Niña en la Ciencia en el Colegio CEIPSO San Sebastián El Boalo.**

Organiza: Unidad de Medicina y Cirugía Experimental.

- **Presencial: Rompiendo estereotipos y valorando realidades.**

Organiza: Grupo de Genética y bases moleculares de enfermedades complejas.

- **Presencial: La mujer y la niña en la ciencia, investigador por un día en modelos experimentales.**

Organiza: Unidad de Medicina y Cirugía Experimental.

- **Presencial: “Y a mí todo esto... ¿para qué me sirve profe?”**

Organiza: Escuela HCSC.

- **Presencial: Investigadoras de MINA-CM y CTB en Innovando en femenino: Mujeres en Montegancedo.**

Organiza: Grupo MINA.

- **Online: Científicas como Tú.**

Organiza: Colegio del Hospital.

- **Vídeo YOUTUBE. Oftalmólogas: una visión profesional.**

Organiza: Grupo de Investigación en patología ocular y vías visuales.

15th European Researchers' Night

8 Activities:

- **Conoce un laboratorio de investigación y cómo desarrollar una carrera investigadora**

Genética y bases moleculares de enfermedades complejas.

- **Mens sana in corpore sano.**

Grupo de Investigación Enfermedades neurológicas.

- **¿Qué sabes de la esclerosis múltiple?**

Genética y bases moleculares de enfermedades complejas.

- **Refinamiento y reemplazo en modelos animales de experimentación. Investiga y opera. Taller.**

Unidad de Medicina y Cirugía Experimental: Animalario, Laboratorios y Quirófanos (UMECE).

- **Conceptos éticos en la Inteligencia Artificial**

Unidad de Apoyo a la Innovación (UI).

- **Terapias Avanzadas en Patologías Neurológicas: Estrategias Terapéuticas con Células Madre y Biomateriales.**

Grupo de Investigación Enfermedades neurológicas.

- **Experimenta con tus músculos (Taller UCM).**

Investigación en Fisioterapia Contemporánea (InPhysio)

- **¿Cómo percibimos? Realidad multisensorial frente a realidad virtual (Taller UCM).**

Investigación en Fisioterapia Contemporánea (InPhysio)





23rd Science Week

22 Activities:

- **Científic@ y Cirujan@ por un día (5 talleres).**

M^a Cruz Rodríguez-Bobada González del Campo, Silvia Corrochano Sánchez, Ulises Gómez Pinedo, José Antonio Martínez Orgado, Marcos Viñuela Martín, Miguel Fernández Arquero.

- **Tecnología robótica en el entorno quirúrgico.**

Rocío Anula.

- **El viaje de una muestra desde tu donación a la investigación**

Laura del Río Álvarez, Luis Ortega.

- **Biología humana, herramienta de identidad e inclusión**

Sara Palomo Díez; Cláudia Lopes Gomes; César López Matayoshi; Juan Gibaja Bao; Elena Labajo González.

- **¿Estará el paciente infectado?**

María I. Domínguez; Roberto Álvarez Lafuente; M^o Angel García; Enara Cuadrado; Guadalupe Pérez.

- **Introducción a los Ensayos Clínicos y a los estudios de Bioequivalencia de Fase I**

Antonio Portolés, M^a Rosario Salas, Tomás Lahoz

- **Descubre tu microbiota: la clave oculta para una buena salud**

Vicente Estrada, María D. Gómez, Yolanda Campanero

- **Acércate a un laboratorio de fecundación in vitro**

Ignacio Cristóbal, Sara Rafael, María Dolores Cuquerella, Silvia Véganzones, Marta Vidaurreta, Francisco José Camello.

- **Ciencia en medicina: Gincana de la ciencia sanitaria y primeros pasos en un laboratorio**

Lydia Abasolo Alcázar; Irene González Guede; María López Ramos; Beatriz García Tirado; Leticia León Mateos

- **Infórmate sobre las infecciones de transmisión sexual y cómo prevenirlas**

Vicente Estrada; Jorge del Romero; Mar Vera; Iván Zaro.

- **Bioarqueología: detectives del pasado.**

Cláudia Lopes Gomes; César López Matayoshi; Sara Palomo Díez; Juan Gibaja Bao; Ana Patricia Moya Rueda; Elena Labajo González; María García Velasco.

- **¿Cómo percibimos? La realidad multisensorial frente a la realidad virtual**

Rosa Ortiz; Gustavo Plaza; Ibai López de Ural; Isidro Fernández; José Javier López; Juan Antonio Valera; Marcos José Navarro; María José Díaz; Patricia Martín; Tamara del Corral.

- **Glaucoma y embarazo**

Julián García Feijóo

- **Trasplante de córnea: preguntas frecuentes para pacientes y familiares**

Mayte Ariño Gutiérrez

- **Diagnóstico clásico vs inteligencia artificial en las enfermedades de la retina**

José Fernández Vigo

- **Técnicas de prevención y del control de la miopía**

Rosario Gómez de Liaño, Noemí Güemes, Elena Hernández y Paula Talavero.

- **La investigación biomédica con muestras oftalmológicas**

Vanessa Andrés Guerrero

- **Gen o ambiente: ¿cómo se inicia la esclerosis múltiple?**

Elena Urcelay; Andrea R. López-Pastor; Irene Gómez.



4th ESO + Company Programme of the Comunidad de Madrid.

4 Activities:

- **ENFERMERÍA DE FARMACOLOGÍA CLÍNICA** una profesión versátil, joven e innovadora.

Natalia Rodríguez Galán, Miriam Castro Castro. Grupo de Investigación Farmacología Clínica.

- **Aproximación a la actividad asistencial en un entorno hospitalario**

Rodrigo García Crespo (Servicio de Traumatología), Rocío Anula Fernández Grupo de Investigación Innovación: Cirugía, Farmacia y Neuroingeniería.

- **La regulación del metabolismo de lípidos en las enfermedades neurodegenerativas**

Silvia Corrochano Sánchez. Grupo de Investigación Enfermedades neurológicas.

- **El uso de Biomateriales con Células Madre en Enfermedades del Sistema Nervioso Central; Mitos y Realidades.**

Ulises Gómez Pinedo. Grupo de Investigación Enfermedades neurológicas.

Jornada divulgativa en Enfermedad Inflamatoria Intestinal dirigida a pacientes y familiares

Organiza: Unidad de Enfermedad Inflamatoria Intestinal

V Encuentro Jornada Sociedad y Ciencia se dan la mano

- **Epilepsia y Alzheimer.** Pablo Bascañana Almarcha
- **Enfermedad del riñón.** Beatriz Rodríguez Cubillo
- **Cáncer.** Alberto Benito Martín; Vanesa García Barberán
- **Ojo seco.** Marta Vicario de la Torre
- **Esclerosis múltiple.** Elena Urcelay García

Artificial Intelligence Hackathon

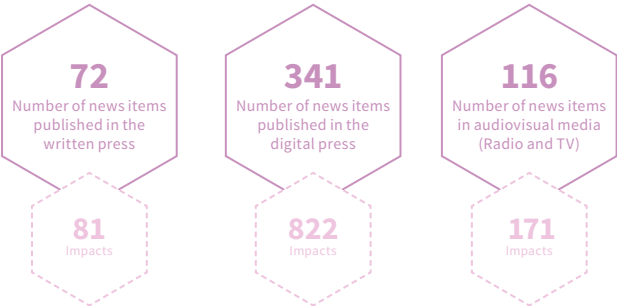
IdISSC research seminars

- **Líneas de Investigación de los Grupos de investigación del Área de ONCOLOGÍA**
- Moderador: Miguel de la Hoya Mantecón
- **Líneas de Investigación de los Grupos de investigación TECNOLOGÍAS AVANZADAS Y TRASLACIÓN DE MODELOS**
- Moderadora: Rocío Anula Fernández
- **Líneas de Investigación de los Grupos de investigación OTROS GRANDES SISTEMAS**
- Moderador: Ismael Ortuño Soriano
- **Presentación de Tesis doctorales de investigadores e investigadoras del IdISSC**
- **Presentación del nuevo equipamiento científico-tecnológico del IdISSC, UTS: Unidad de sistemas y servicios de la información y presentación de la Memoria Científica 2023 del IdISSC.**
- Moderadora: Elena Urcelay
- **Transferencia de los resultados de proyectos de investigación en el área CARDIOVASCULAR**
- Moderador: Luis Nombela Franco
- **Ingeniería tisular en Artrosis**
- Moderadora: Lydia Abásolo

IdISSC on social media



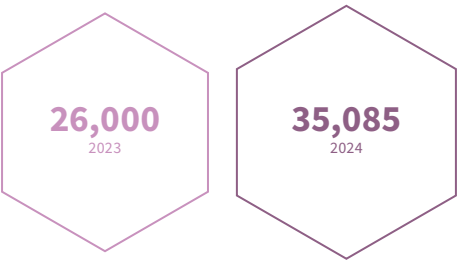
Impact on research-related media



Press releases related to research issued by the HCSC



Users visiting the web



IdISSC Periodic Newsletters



During 2023, 15 newsletters have been published in order to share information on national and international news, events and research calls.

The IdISSC has created a new space for consultation of previous newsletter.

<https://www.idissc.org/newsletter/>



■ INNOVATIONS **DE
VEL
OPED**

Leica

Innovations developed by the Innovation Unit



The Generative Artificial Intelligence

1. Study of patients with invasive candidiasis admitted to the san carlos clinical hospital
2. Gynaecology Collaboration Project: Foetal Monitoring
3. Intelligent use of data. COLLABORATION PROJECT OF THE CARE CONTINUITY NURSING UNIT (UCAE) WITH THE SAN CARLOS CLINICAL HOSPITAL HEALTH RESEARCH INSTITUTE (IdiSSC). The initial objective was the creation of a database for UCAE to facilitate its registration. Creation of Red Cap® and updates in Power BI®.
4. Intelligent use of data. Project for the generation of an institutional repository of data from the Hospital Clínico San Carlos, from clinical records and results used for the diagnosis and monitoring of patients with possible, probable or confirmed involvement by the New Coronavirus SARS-CoV-2 (Covid-19 disease), with a multidisciplinary work strategy aimed at producing descriptive and predictive models of the evolution of patients through traditional and advanced data analytics.
5. Improve access to and analysis of health information related to the surgical process in the breast pathology unit by developing a computer tool based on business intelligence. Data_Breast
6. Development of a model for the collection of health information related to the processes of the Neonatal Home Hospitalisation Unit.
7. Intelligent use of data, *REDCAP. Implementation of an innovative Telepharmacy and Home Delivery project. FH_VISUALISATION AND ANALYSIS OF TELEPHARMACY ACTIVITY BY MEANS OF BUSINESS INTELLIGENCE.
8. Intelligent use of data. Innovative model in patients with Inflammatory Bowel Disease in Real Life through Pharmaceutical Care, *PROM's.
9. This study aims to investigate the prevalence of obesity and obesity-associated comorbidities; diabetes mellitus (DM), hypertension (HT) and cardiovascular disease (CVD) in COVID-19 positive patients hospitalised at the Hospital Clínico San Carlos de Madrid (HCSC).
10. Optimising Pharmacotherapeutic Indicators with Health Value Data.
11. COOPERATION PROJECT: Digital tools for monitoring assisted reproduction cycles.
12. Strategy Hospital Clínico San Carlos. is based on the need to design a tool to evaluate the results of the medical services, in relation to the results indicators achieved by them.
13. How the treatment of DEPRESSION in routine practice conforms to a Clinical Practice Guideline based on a staging model.



■ SCIENTIFIC REPORT
IDISSC 2024

BY AREA

CAR DIO VAS CU LAR

CARDIOVASCULAR AREA (CV)



CARDIOVASCULAR AREA (CV)

Groups

- CV.1 Assessment of Diagnostic and Therapeutic Technologies in Coronary Arteriosclerosis
- CV.2 Cardiovascular Imaging, Valvular Pathology and Large Vessels
- CV.4 Arrhythmia
- CV.6 Predictive Biomedicine and Translational Research of Respiratory, Cardiovascular and Metabolic Diseases
- CV.8 Translational Research in Acute Myocardial Syndromes (INTEGRA)
- CV.10 Myocardial Regeneration Therapy
- CV.11 Cardiovascular Risk

Annual Goals

Leading researcher	
Establish communication networks	Completed ☑
Maintain the area's Q1 quality indicator	Completed ☑
Increase the number of members to research groups	Completed ☑
Active communication between the groups and the FIB	Completed ☑

Selected 5 publications

Andersen, Birgitte Krogsgaard, Sejr-Hansen, Martin, Maillard, Luc, Campo, Gianluca, Ramunddal, Truls, Staehli, Barbara E., Guiducci, Vincenzo, Di Serafino, Luigi, ESCANED BARBOSA, JAVIER, Santos, Ignacio Amat, Lopez-Palop, Ramon, Landmesser, Ulf, Dieu, Ruthe Storgaard, MEJÍA RENTERÍA, HERNÁN DAVID, Koltowski, Lukasz, Ziubryte, Greta, Cetran, Laura, Adjedi, Julien, Abdelwahed, Youssef S., Liu, Tommy, Mogensen, Lone Juul Hune, Eftekhari, Ashkan, Westra, Jelmer, Lenk, Karsten, Casella, Gianni, Van Belle, Eric, Biscaglia, Simone, Olsen, Niels Thue, Knaapen, Paul, Kochman, Janusz, Santos, Ramon Calvino, Scarsini, Roberto, Christiansen, Evald Hoj, Holm, Niels Ramsing. Quantitative flow ratio versus fractional flow reserve for coronary revascularisation guidance (FAVOR III Europe): a multicentre, randomised, non-inferiority trial. *Lancet*. 2024. 404(10465):1835-1846. DOI: 10.1016/S0140-6736(24)02175-5. IF: 98,4. (D1).

Kedhi, Elvin, Hermanides, Renicus S., Dambrink, Jan-Henk E., Singh, Sandeep K., Berg, Jurrien M. Ten, van Ginkel, Dirkjan, Hudec, Martin, Amoroso, Giovanni, Amat-Santos, Ignacio J., Andreas, Martin, Teles, Rui Campante, Bonnet, Guillaume, Van Belle, Eric, Conradi, Lenard, van Garsse, Leen, Wojakowski, Wojtek, Voudris, Vassilis, Sacha, Jerzy, Cervinka, Pavel, Lipsic, Erik, Somi, Samer, NOMBELA FRANCO, LUIS, Postma, Sonja, Piayda, Kerstin, De Luca, Giuseppe, Kolkman, Evelien, Malinowski, Krzysztof P., Modine, Thomas. TransCatheter aortic valve implantation and fractional flow reserve-guided percutaneous coronary intervention versus conventional surgical aortic valve replacement and coronary bypass grafting for treatment of patients with aortic valve stenosis and complex or multivessel coronary disease (TCW): an international, multicentre, prospective, open-label, non-inferiority, randomised controlled trial. *Lancet*. 2024. 404(10471):2593-2602. DOI: 10.1016/S0140-6736(24)02100-7. IF: 98,4. (D1).

PÉREZ DE ISLA, LEOPOLDO, Vallejo-Vaz, Antonio J., Watts, Gerald F., Muniz-Grijalvo, Ovidio, Alonso, Rodrigo, Diaz-Diaz, Jose L., Arroyo-Olivares, Raquel, Aguado, Rocio, Argueso, Rosa, Mauri, Marta, Romero, Manuel J., Alvarez-Banos, Pilar, Manas, Dolores, Cepeda, Jose Maria, Gonzalez-Bustos, Pablo, Casanas, Marta, Michan, Alfredo, Munoz-Torrero, Juan F. Sanchez, Faedo, Ceferino, Barba, Miguel A., Dieguez, Marta, de Andres, Raimundo, Hernandez, Antonio M., Gonzalez-Estrada, Aurora, Padro, Teresa, Fuentes,

Francisco, Badimon, Lina, Mata, Pedro, SAFEHEART Investigators. Long-term sex differences in atherosclerotic cardiovascular disease in individuals with heterozygous familial hypercholesterolaemia in Spain: a study using data from SAFEHEART, a nationwide, multicentre, prospective cohort study. *LANCET DIABETES & ENDOCRINOLOGY*. 2024. 12(9):643-652. DOI: 10.1016/S2213-8587(24)00192-X. IF: 44. (D1).

Diez-Diez, Miriam, Ramos-Neble, Beatriz L., de la Barrera, Jorge, Silla-Castro, J. C., Quintas, Ana, Vazquez, Enrique, Rey-Martin, M. Ascension, Izzi, Benedetta, Sanchez-Garcia, Lucia, Garcia-Lunar, Ines, Mendieta, Guiomar, Mass, Virginia, Gomez-Lopez, Nuria, Espadas, Cristina, Gonzalez, Gema, Quesada, Antonio J., GARCIA ALVAREZ, ANA, FERNÁNDEZ ORTIZ, ANTONIO IGNACIO, Lara-Pezzi, Enrique, Dopazo, Ana, Sanchez-Cabo, Fatima, Ibanez, Borja, Andres, Vicente, Fuster, Valentin, Fuster, Jose J. Unidirectional association of clonal hematopoiesis with atherosclerosis development. *NATURE MEDICINE*. 2024. 30(10). DOI: 10.1038/s41591-024-03213-1. IF: 58,7. (D1).

Dreyfus, Julien, Galloo, Xavier, Taramasso, Maurizio, Heitzinger, Gregor, Benfari, Giovanni, Kresoja, Karl-Patrick, Juarez-Casso, Fernando, Omran, Hazem, Bohbot, Yohann, Iliadis, Christos, Russo, Giulio, Topilsky, Yan, Weber, Marcel, NOMBELA FRANCO, LUIS, Sala, Alessandra, Eixeres-Esteve, Andrea, Lung, Bernard, Obadia, Jean-Francois, Estevez Loureiro, Rodrigo, Riant, Elisabeth, Donal, Erwan, Hausleiter, Joerg, Badano, Luigi, Le Tourneau, Thierry, Coisne, Augustin, Modine, Thomas, Latib, Azeem, Praz, Fabien, Windecker, Stephan, Zamorano, Jose Luis, von Bardeleben, Ralph Stephan, Tang, Gilbert H. L., Hahn, Rebecca, Webb, John, Muraru, Denisa, Nejari, Mohammed, Chan, Vincent, De Bonis, Michele, CARNERO ALCAZAR, MANUEL, Nickenig, Georg, Pfister, Roman, Tribouilloy, Christophe, Rudolph, Volker, Crestanello, Juan, Lurz, Philipp, Bartko, Philipp, Maisano, Francesco, Bax, Jeroen, Enriquez-Sarano, Maurice, Messika-Zeitoun, David, TRIGISTRY Investigators. TRI-SCORE and benefit of intervention in patients with severe tricuspid regurgitation. *EUROPEAN HEART JOURNAL*. 2024. 45(8):586-597. DOI: 10.1093/eurheartj/ehad585. IF: 37,6. (D1).

CV.1

Assessment of Diagnostic and Therapeutic Technologies in Coronary Arteriosclerosis

Leading researcher

Javier Escaned Barbosa

Members

Alejandro Travieso González

María Nieves Gonzalo López

Daniel Alexandre Candeias Faria

Pablo Salinas Sanguino

Fernando Macaya Ten

Vera Rodríguez García-Abad

Hernán David Mejía Rentería



Lines of Research

- Study of the influence of local and systemic factors on the vascular response and long-term outcome of coronary revascularisation.
- Assessment of the immediate and long-term vascular response to interventions, taking into account the degree of vascular damage associated with the revascularisation technique.
- Assessment of the integrity of the coronary microcirculation after the use of revascularisation technologies.
- Assessment of the applicability of coronary revascularisation techniques in specific subgroups of patients and coronary lesions.
- Comparison of in vitro and in vivo mechanical behaviour of intracoronary prostheses.
- Assessment of biodegradable endocoronary prostheses.
- Assessment of intracoronary drug delivery systems.
- Assessment of the need and type of revascularisation with the support of intracoronary diagnostic techniques.

Scientific production

74

Nº of papers (WoS)

31% (23)

% Open Access (Nº)

61

Nº of papers JCR indexed

64% (39)

% Citable Items (Nº)

67% (26)

Q1 (citable items)

47% (17)

D1 (citable items)

355.90

Cumulative IF

3.37

Average IF

Selected Publications

McInerney, Angela, TRAVIESO GONZÁLEZ, ALEJANDRO, Baza, Adrian Jeronimo, ALFONSO MANTEROLA, FERNANDO, Del Val, David, Cer-rato, Enrico, de Lara, Juan Garcia, Pinar, Eduardo, de Prado, Armando Perez, JIMÉNEZ QUEVEDO, PILAR, TIRADO CONTE, GABRIELA, NOM-BELA FRANCO, LUIS, Brugaletta, Salvatore, Cepas-Guillen, Pedro, Sabate, Manel, Gallego, Hector Cubero, Vaquerizo, Beatriz, Jurado, Alfonso, Varbella, Ferdinando, Jimenez, Marcelo, Escobar, Artemio Garcia, de la Torre, Jose Maria, Santos, Ignacio Amat, Diaz, Victor Alfonso Jimenez, ESCANED BARBOSA, JAVIER, GONZALO LÓPEZ, MARÍA NIEVES. Impact of coronary calcium morphology on intra-vascular lithotripsy. Eurointervention. 2024. 20(10). DOI: 10.4244/EIJ-D-23-00605. IF: 7,6. (D1).

HENNESSEY, BREDA, Danenberg, Haim, De Vroey, Frederic, Kirtane, Ajay J., Parikh, Manish, Karpalitis, Dimitrios, Messenger, John C., Strobel, Aaron, Curcio, Alejandro, van Mourik, Martijn S., Eshuis, Peter, ESCANED BARBOSA, JAVIER. Dynamic Coronary Roadmap versus standard angiography for percutaneous coronary intervention: the randomised, multicentre DCR4Contrast trial. Eurointervention. 2024. 20(3). DOI: 10.4244/EIJ-D-23-00460. IF: 7,6. (D1).

ESCANED BARBOSA, JAVIER, Travieso, Alejandro, Dehbi, Hakim-Mou-lay, Nijjer, Sukhjinder S., Sen, Sayan, Petraco, Ricardo, Patel, Manesh, Serruys, Patrick W., Davies, Justin, DEFINE FLAIR Investigators. Coro-nary Revascularization Guided With Fractional Flow Reserve or In-stantaneous Wave-Free Ratio: A 5-Year Follow-Up of the DEFINE FLAIR Randomized Clinical Trial. Jama Cardiology. 2024. 10(1):25-31. DOI: 10.1001/jamacardio.2024.3314. IF: 14,8. (D1).

Awards

Researcher aware: Javier Escaned Barbosa. Award: Gran Cruz de la Orden del Dos de Mayo de la Comunidad de Madrid. Awarded work: Estudio sobre el origen y tratamiento de la angina en los pacientes con síndrome de COVID persistente.

Researcher aware: Javier Escaned Barbosa. Award: XXX Premios Científicos Hospital Clínico San Carlos - Accés.

New Noncompetitive Funding

24/198-EC_P. COMPARACIÓN ENTRE TOMOGRAFÍA DE COHERENCIA ÓPTICA Y ECOGRAFÍA INTRAVASCULAR PARA LESIONES INTERMEDI-AS DE TRONCO CORONARIO IZQUIERDO. (ESTUDIO EMPERATRIZ). PI: MARÍA NIEVES GONZALO LÓPEZ.

ECL.23/812. ARTEMIS: EFECTOS DE ZILTIVEKIMAB FRENTE A PLACEBO SOBRE LOS RESULTADOS CARDIOVASCULARES EN PACIENTES CON INFARTO AGUDO DE MIOCARDIO. PI: MARÍA NIEVES GONZALO LÓPEZ.

ECL.23/815. ESTUDIO PEERLESS II: RTC OF FLOWTRIEVER VS. ANTICO-AGULATION ALONE UN PULMONARY EMBOLISM. PEERLESS II Study. PI: PABLO SALINAS SANGUINO.

ECL.23/819. ENSAYO ALEATORIZADO DE ESTRATEGIAS DE REVASCU-LARIZACIÓN COMPLETA DE LESIONES NO CULPABLES GUIADAS POR FISIOLÓGIA FRENTE A ESTRATEGIAS DE REVASCULARIZACIÓN COM-PLETA DE LESIONES NO CULPABLES GUIADAS POR ANGIOGRAFÍA EN PACIENTES CON INFARTO AGUDO DE MIOCARDIO Y ENFERMEDAD CORONARIA MULTIVASO. PI: MARÍA NIEVES GONZALO LÓPEZ."

ECL.24/443. EL REGISTRO "GLOBAL PARADISE™ SYSTEM". PI: HERNÁN DAVID MEJÍA RENTERÍA.

ECL.24/575. BIOTRONIK. SEGURIDAD Y RENDIMIENTO CLÍNICO DEL SCAFFOLD DE MAGNESIO CORONARIO REABSORBIBLE Y FARMACO-ACTIVO (FREESOLVE®) EN EL TRATAMIENTO DE PACIENTES CON LE-SIONES DE NOVO EN ARTERIAS CORONARIAS NATIVAS: BIOMAG-II: UN ESTUDIO CONTROLADO ALEATORIZADO. PI: MARÍA NIEVES GONZALO LÓPEZ."

ProspeCtive evaluatiOn of long-terM clinical outcomes after resting Full-cycle ratio (RFR)-guided percutaneous coronary Revasculariza-Tion; A multi-center, international, Single arm interventional, Com-paring study. PI: HERNÁN DAVID MEJÍA RENTERÍA.

Estudio aleatorizado para comparar la eficacia de la estrategia de revascularización completa frente a la de solamente el vaso respon-sable en el tratamiento de las coronariopatías que afectan a varios vasos tras una intervención coronaria percutánea primaria debida a un infarto de miocardio con elevación del segmento ST. PI: MARÍA NIEVES GONZALO LÓPEZ.

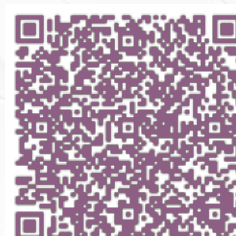
Doctoral Theses

Candidate: Lin Wang. Thesis title: VALOR DE LA CORONARIA FUNCIO-NAL PARA DETECTAR OBSTRUCCIÓN MICROVASCULAR ASOCIADA A INFARTO DE MIOCARDIO CON ELEVACIÓN DEL ST. Director(s): Javier Escaned Barbosa. University: Universidad Complutense de Madrid.

Candidate: Ricardo Mori Junco. Thesis title: Mecanismos de Disfun-ción Vascular en la Disección coronaria espontánea. Director(s): Javi-er Escaned Barbosa; Julián Pérez-Villacastín Domínguez. University: Universidad Complutense de Madrid.

Candidate: Angela McInerney. Thesis title: Resultados de reemplazo de válvula transcáteter (TAVR) en diferentes subconjuntos de po-blación. Director(s): Javier Escaned Barbosa. University: Universidad Complutense de Madrid.

Scan me!



CV.2

Cardiovascular Imaging, Valvular Pathology and Large Vessels

Leading researchers

Leopoldo Pérez de Isla

Isidre Vilacosta

Members

Carmen Olmos Blanco

Miguel Ángel Cobos Gil

Eduardo Pozo Osinalde

Pablo Zulet Fraile

Jose Alberto de Agustín Loeches

Patricia Mahia Casado

José Juan Gómez de Diego

Pedro Marcos-Alberca Moreno

Lourdes Montero Cruces

Raquel Díaz Muñoz

Luis Carlos Maroto Castellanos

Rodrigo Fernández Jiménez

María Luaces Méndez



Lines of Research

- Three-dimensional echocardiography in the valvular study.
- Cardioresonance.
- Cardio CT.
- Early detection of cardiac anomalies by imaging techniques.
- Infective endocarditis.
- Acute aortic syndrome and ascending aortic aneurysms.

Scientific production

62

Nº of papers
(WoS)

21%(13)

% Open
Access (Nº)

57

Nº of papers
JCR indexed

58% (33)

% Citable
Items (Nº)

76% (25)

Q1 (citable items)

27%(9)

D1 (citable items)

216.79

Cumulative IF

6.57

Average IF



Selected Publications

PÉREZ DE ISLA, LEOPOLDO, Vallejo-Vaz, Antonio J., Watts, Gerald F., Muniz-Grijalvo, Ovidio, Alonso, Rodrigo, Díaz-Díaz, Jose L., Arroyo-Olivares, Raquel, Aguado, Rocio, Argüeso, Rosa, Mauri, Marta, Romero, Manuel J., Alvarez-Banos, Pilar, Manas, Dolores, Cepeda, Jose Maria, Gonzalez-Bustos, Pablo, Casanas, Marta, Michan, Alfredo, Munoz-Torrero, Juan F. Sanchez, Faedo, Ceferino, Barba, Miguel A., Dieguez, Marta, de Andres, Raimundo, Hernandez, Antonio M., Gonzalez-Estrada, Aurora, Padro, Teresa, Fuentes, Francisco, Badimon, Lina, Mata, Pedro, SAFEHEART Investigators. Long-term sex differences in atherosclerotic cardiovascular disease in individuals with heterozygous familial hypercholesterolaemia in Spain: a study using data from SAFEHEART, a nationwide, multicentre, prospective cohort study. *LANCET DIABETES & ENDOCRINOLOGY*. 2024. 12(9):643-652. DOI: 10.1016/S2213-8587(24)00192-X. IF: 44. (D1).

PÉREZ DE ISLA, LEOPOLDO, Díaz-Díaz, Jose L., Romero, Manuel J., Muniz-Grijalvo, Ovidio, Mediavilla, Juan D., Argüeso, Rosa, de Andres, Raimundo, Fuentes, Francisco, Sanchez Munoz-Torrero, Juan F., Rubio, Patricia, Alvarez-Banos, Pilar, Manas, Dolores, Suarez Gutierrez, Lorena, Saltijeral Cerezo, Adriana, Mata, Pedro, SAFEHEART Investigators. Characteristics of Coronary Atherosclerosis Related to Plaque Burden Regression During Treatment With Alirocumab: The ARCHITECT Study. *CIRCULATION-CARDIOVASCULAR IMAGING*. 2024. 17(1). DOI: 10.1161/CIRCIMAGING.123.016206. IF: 5,691. (D1).

Martinez-Gomez, Jesus, de Cos-Gandoy, Amaya, Fernandez-Alvira, Juan Miguel, Bodega, Patricia, de Miguel, Mercedes, Tresserra-Rimbau, Anna, Laveriano-Santos, Emily P., Ramirez-Garza, Sonia L., Orrit, Xavier, Carvajal, Isabel, Estruch, Ramon, Lamuela-Raventos, Rosa Maria, Santos-Beneit, Gloria, Fuster, Valentin, FERNÁNDEZ JIMÉNEZ, RODRIGO. Cardiovascular Health Trajectories in Adolescence and Their Association With Sociodemographic and Cardiometabolic Outcomes in Spain. *JOURNAL OF ADOLESCENT HEALTH*. 2024. 74(5):1039-1048. DOI: 10.1016/j.jadohealth.2023.12.016. IF: 5,5. (D1).

New non competitive funding

ECL.22/719. ENSAYO MULTICÉNTRICO, ALEATORIZADO, DOBLE CIEGO Y CONTROLADO CON PLACEBO EN EL QUE SE EVALÚA EL EFECTO DE LA DISMINUCIÓN DE LA LIPOPROTEÍNA (A) CON PELACARSÉN (TQJ230) EN LA PROGRESIÓN DE LA ESTENOSIS VALVULAR AÓRTICA CALCIFICADA. PI: LEOPOLDO PÉREZ DE ISLA.

ECL.24/168. ESTUDIO CLÍNICO DE FASE 3, ALEATORIZADO Y CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE MK-0616 EN LA REDUCCIÓN DE LOS ACONTECIMIENTOS ADVERSOS CARDIOVASCULARES IMPORTANTES EN PARTICIPANTES CON RIESGO CARDIOVASCULAR ELEVADO. PI: LEOPOLDO PÉREZ DE ISLA.

ECL.24/238. EVALUACIÓN DE IMPACTO CLÍNICO DEL TIPO DE CARDIOPLEJIA UTILIZADA EN EL PACIENTE SOMETIDO A UNA CIRUGÍA CARDIACA MAYOR CON CIRCULACIÓN EXTRACORPÓREA. ENSAYO CLÍNICO CARDIO-HEART. PI: LOURDES MONTERO CRUCES.

Scan me!



CV.4

Arrhythmia

Leading researcher

Julián Pérez-Villacastín Domínguez

Members

David Calvo Cuervo	María Herreros Gil
David Filgueiras Rama	María Sánchez Sánchez
Enrique Muñoz Martínez	María Victoria Cañadas Godoy
Isabel Sicilia Bravo	Marta Lourdes Casas de la Cal
Jennifer Núñez Chavarry	Miguel Ángel Gómez Garfía
Josebe Goirigolzarri Artaza	Mónica Lamuedra Del Olmo
Juan José González Ferrer	Nicasio Pérez Castellano
Leire Goñi Blanco	Ricardo Salgado Aranda
Lucía Cortés Marín	Virginia Beatriz Cerrón Rodríguez
M ^a Jesús García Torrent	Yael Mónica Nadelar Sojo
Maria Alejandra Restrepo Cordoba	



Lines of Research

- Mechanisms and advanced therapies in atrial fibrillation.
- Advanced mechanisms and therapies in ventricular arrhythmias
- Feasibility, safety, efficacy and innovation in electrophysiology without fluoroscopy.
- Quality and efficiency indicators in cardiac electrophysiology.
- New forms of pacing and complex scenarios in patients with cardiac devices.
- Personalisation and arrhythmic risk stratification.

Scientific production

47

Nº of papers
(WoS)

26%(12)

% Open
Access (Nº)

36

Nº of papers
JCR indexed

56% (20)

% Citable
Items (Nº)

90% (18)

Q1 (citable items)

30% (6)

D1 (citable items)

133.70

Cumulative IF

6.69

Average IF

Selected Publications

Ramos-Prada, Alba, Redondo-Rodríguez, Andres, Roca-Luque, Ivo, Porta-Sanchez, Andreu, ter Bekke, Rachel M. A., GARCÍA QUINTANILLA, JORGE, Sanchez-Gonzalez, Javier, Peinado, Rafael, Merino, Jose Luis, Cluitmans, Matthijs, Holtackers, Robert J., Marina-Breyse, Manuel, Galan-Arriola, Carlos, Enriquez-Vazquez, Daniel, Vazquez-Calvo, Sara, Alfonso-Almazan, Jose Manuel, Pizarro, Gonzalo, Ibanez, Borja, GONZÁLEZ FERRER, JUAN JOSÉ, SALGADO ARANDA, RICARDO, CAÑADAS GODOY, MARIA VICTORIA, CALVO CUERVO, DAVID, PÉREZ-VILLACASTÍN DOMÍNGUEZ, JULIÁN, PÉREZ CASTELLANO, NICASIO, FILGUEIRAS RAMA, DAVID. Novel systematic processing of cardiac magnetic resonance imaging identifies target regions associated with infarct-related ventricular tachycardia. *Europace*. 2024. 26(10). DOI: 10.1093/europace/euae244. IF: 7,9. (D1).

TAMARGO MENÉNDEZ, JUAN LUÍS, PÉREZ-VILLACASTÍN DOMÍNGUEZ, JULIÁN, CABALLERO COLLADO, RICARDO, DELPÓN MOSQUERA, EVA. Drug-induced atrial fibrillation. A narrative review of a forgotten adverse effect. *PHARMACOLOGICAL RESEARCH*. 2024. 200. DOI: 10.1016/j.phrs.2024.107077. IF: 9,1. (D1).

Eloa, Javier, Fernandez-Perez, Cristina, del Prado, Nayade, Bernal, Jose Luis, Rosillo, Nicolas, BAS VILLALOBOS, MARIAN, FERNÁNDEZ ORTIZ, ANTONIO IGNACIO, Barba, Raquel, Carretero-Gomez, Juana, PÉREZ-VILLACASTÍN DOMÍNGUEZ, JULIÁN. Weekend and holiday admissions for decompensated heart failure and in-hospital mortality. A cumulative effect of "nonworking" days?. *REVISTA ESPANOLA DE CARDIOLOGIA*. 2024. 77(6):440-447. DOI: 10.1016/j.rec.2023.10.003. IF: 7,2. (Q1).

Clinical Practice Guidelines

Linz, Dominik, Andrade, Jason G., Arbelo, Elena, Boriani, Giuseppe, Breithardt, Guenter, Camm, A. John, Caso, Valeria, Nielsen, Jens Cosedis, De Melis, Mirko, De Potter, Tom, Dichtl, Wolfgang, Diederichsen, Soren Zoega, Dobrev, Dobromir, Doll, Nicolas, Duncker, David, Dworatzek, Elke, Eckardt, Lars, Eisert, Christoph, Fabritz, Larissa, Farkowski, Michal, FILGUEIRAS RAMA, DAVID, Goette, Andreas, Guasch, Eduard, Hack, Guido, Hatem, Stephane, Haessler, Karl Georg, Healey, Jeff S., Heidebuechel, Hein, Hijazi, Ziad, Hofmeister, Lucas H., Hove-Madsen, Leif, Huebner, Thomas, Kaab, Stefan, Kotecha, Dipak, Malaczynska-Rajpold, Katarzyna, Merino, Jose Luis, Metzner, Andreas, Mont, Lluís, Ng, Ghulam Andre, Oeff, Michael, Parwani, Abdul Shokor, Puerefellner, Helmut, Ravens, Ursula, Rienstra, Michiel, Sanders, Prashanthan, Scherr, Daniel, Schnabel, Renate, Schotten, Ulrich, Sohns, Christian, Steinbeck, Gerhard, Steven, Daniel, Toennis, Tobias, Tzeis, Stylianos, van Gelder, Isabelle C., van Leerdam, Roderick H., Vernooy, Kevin, Wadhwa, Manish, Wakili, Reza, Willems, Stephan, Witt, Henning, Zeemering, Stef, Kirchhof, Paulus. Longer and better lives for patients with atrial fibrillation: the 9th AFNET/EHRA consensus conference. *Europace*. 2024. DOI: 10.1093/europace/eaue070.

Doctoral Theses

Candidate: Ana Simón Chica. Thesis title: Non-myocytes as electrophysiological contributors to cardiac conduction and atrial fibrillation maintenance. Director(s): David Filgueiras Rama. University: Universidad Complutense de Madrid.

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. University: Universidad Complutense de Madrid.

New Competitive Funding

PI23/00520. Ablación de la fibrilación cardiaca humana basada en modelos de organización jerárquica de la excitación tisular. PI: DAVID CALVO CUERVO.

New Non Competitive Funding

JGA.M01AST. Proyecto Ópera Hospital Clínico San Carlos: IDENTIFICACIÓN PRECOZ DE LA RESPUESTA ECOCARDIOGRÁFICA AL TRATAMIENTO EN PACIENTES CON INSUFICIENCIA CARDIACA Y FRACCIÓN DE EYECCIÓN DEPRIMIDA". PI: JOSEBE GOIRIGOLZARRI ARTAZA.

ECL.23/818. UN ESTUDIO MULTICÉNTRICO, ALEATORIZADO, DOBLE CIEGO, DE FASE 3 PARA EVALUAR LA EFICACIA Y SEGURIDAD DE AFICAMTEN EN COMPARACIÓN CON PLACEBO EN ADULTOS CON MIOCARDIOPATÍA HIPERTRÓFICA NO OBSTRUCTIVA SINTOMÁTICA. PI: MARIA ALEJANDRA RESTREPO CORDOBA.

ECL.24/364. CREACION DE UNA PLATAFORMA NACIONAL MULTICÉNTRICA PARA EL ESTUDIO DE LA ENFERMEDAD INFLAMATORIA DEL MIOCARDIO: COHORTE Pre-MYO. PI: DAVID CALVO CUERVO.

ECL.23/529. SEGUIMIENTO CLÍNICO POST-COMERCIALIZACIÓN DE LOS SISTEMAS CON DISPOSITIVO CARDÍACO ELECTRÓNICO IMPLANTABLE DE MICROPORT CRM (PIANO). PI: NICASIO PÉREZ CASTELLANO.

ECL.23/627. ESTUDIO DE PRUEBA DE CONCEPTO Y BÚSQUEDA DE DOSES, MULTICÉNTRICO, ALEATORIZADO, CON CONTROL ACTIVO Y PLACEBO, DE GRUPOS PARALELOS Y DE 24 SEMANAS DE DURACIÓN EN EL QUE SE EVALÚAN LA EFICACIA, LA SEGURIDAD Y LA TOLERABILIDAD DE XJB750 EN PACIENTES CON INSUFICIENCIA CARDÍACA. PI: JOSEBE GOIRIGOLZARRI ARTAZA.

ECL.23/681. PROYECTO ÓPERA HOSPITAL CLÍNICO SAN CARLOS: IDENTIFICACIÓN PRECOZ DE LA RESPUESTA ECOCARDIOGRÁFICA AL TRATAMIENTO EN PACIENTES CON INSUFICIENCIA CARDIACA Y FRACCIÓN DE EYECCIÓN DEPRIMIDA. PI: JOSEBE GOIRIGOLZARRI ARTAZA.

24/052-E. Arterial embolism after catheter ablation of atrial fibrillation (embol af). PI: Nicasio Pérez Castellano.

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. Ownership: 10% FIBHCSC 90% CNIC. European patent no. EP3863510. Date of granting: 12/07/2023. This patent was validated in 2023 in United Kingdom, Switzerland and as a Unitary Patent title. USA Patent Application no. 17284195 (entry into national phase based on International Application PCT/EP2019/077610): Application date: 9/4/21.

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CV.6

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

Leading researchers

Myriam Calle Rubio José Javier Zamorano León

Members

Alberto Serrano López de las Hazas	Khaoula Zekri
Ana López de Andrés	Mª Cruz Iglesias Moreno
Antonio Ignacio Martín Conejero	Manuel Gómez Serrano
Carlos Hugo Martínez Martínez	María del Carmen Antón Sanz
Carolina Martínez Pacheco	María José Bernabe Barrios
David Rodríguez Calle	María Teresa Marín Becerra
Elena Forcén Vicente De Vera	Miriam García Carro
Francisco Javier Serrano Hernando	Mónica González Álvarez
Gianna Vargas Centanaro	Norma Alejandra Doria Carlin
Guillermo Moñux Ducájú	Patricia Privado Martínez
Irina de las Mercedes Arañoz Segui	Pilar Martínez Merodio
Joaquín Poch Broto	Soha Esmaili
José Antonio Martínez Campos	Teresa Fátima Casaseca Calvo
José Luis Álvarez-Sala Walther	Vicente Lahera Juliá
Juan Luis Rodríguez Hermosa	



Lines of Research

- Development of predictive algorithms using artificial intelligence based on genetic and protein biomarkers that predict overweight/obesity, comorbidities and ageing.
- Search for biomarkers and clinical predictors of prognosis and/or adherence to secondary and tertiary prevention systems for cardiovascular, respiratory and metabolic diseases based on secondary sources.
- Study of molecular mechanisms associated with the development and progression of abdominal aortic aneurysm and varicose veins and the action of drugs.
- Mechanisms related to pathological alterations of the auditory system.
- Analysis of the mechanisms associated with the response of platelets and their surrounding cells to antithrombotic and anticoagulant treatments. COVID-19 effects on the vascular wall.
- Study of biomarkers modifying alpha-1 antitrypsin deficiency.
- Development of a non-invasive intelligent medical device for the treatment of sleep apnoea syndrome.
- Evaluative analysis of quality standards in chronic obstructive pulmonary disease care.
- Study of clinical predictors to establish lifestyle changes in chronic obstructive pulmonary disease.
- Study of the effectiveness of inhaled antibiotic treatment in chronic obstructive pulmonary disease.
- Study of the impact of inhalers on respiratory health and the environment.
- Prediction of cancer in COPD.
- Prediction of cardiovascular risk in COPD.
- Prediction of liver disease by polymorphisms in alpha 1-antitrypsin deficiency.
- Prediction of functional loss of emphysema by alpha 1-antitrypsin deficiency.

Scientific production

25

Nº of papers (WoS)

68%(17)

% Open Access (Nº)

14

Nº of papers JCR indexed

57%(8)

% Citable Items (Nº)

88%(7)

Q1 (citable items)

13%(1)

D1 (citable items)

34.20

Cumulative IF

4.27

Average IF



Selected Publications

CALLE RUBIO, MYRIAM, Miravittles, Marc, Lopez-Campos, Jose Luis, Soler-Cataluna, Juan J., Navarrete, Bernardino Alcazar, FUENTES FERRER, MANUEL ENRIQUE, RODRIGUEZ HERMOSA, JUAN LUIS. Detection of Alpha-1 Antitrypsin Levels in Chronic Obstructive Pulmonary Disease in Respiratory Clinics in Spain: Results of the EPOCONSUL 2021 Audit. *Journal of Clinical Medicine*. 2024. 13(4). DOI: 10.3390/jcm13040955. IF: 3. (Q1).

Garcia-Cardoso, Juan, ZAMORANO LEÓN, JOSÉ JAVIER, Gonzalez-Enguita, Carmen, Simon, Carlos, JIMÉNEZ GARCÍA, RODRIGO, LOPEZ DE ANDRES, ANA, Cuadrado-Corralles, Natividad, Carbantes-Alarcon, David, Martinez-Martinez, Carlos Hugo, ZEKRI, KHAOUA. Phosphodiesterase-5 Expression in Buccal Mucosa of Patients with Erectile Dysfunction One Year after Radical Prostatectomy. *Journal of Personalized Medicine*. 2024. 14(8). DOI: 10.3390/jpm14080869. IF: 3. (Q1).

Lopez-de-Andres, Ana, JIMÉNEZ GARCÍA, RODRIGO, Carabantes-Alarcon, David, Cuadrado-Corralles, Natividad, BODAS PINEDO, ANDRÉS, MORENO SIERRA, JESÚS, Jimenez-Sierra, Ana, ZAMORANO LEÓN, JOSÉ JAVIER. Pregnancy Outcomes and Maternal Characteristics in Women with Pregestational and Gestational Diabetes: A Population-Based Study in Spain, 2016-2022. *Journal of Clinical Medicine*. 2024. 13(24). DOI: 10.3390/jcm13247740. IF: 3. (Q1).

Awards

Researcher aware: JOSE JAVIER ZAMORANO LEÓN. Award: PREMIO A MEJOR ARTÍCULO DE INVESTIGACIÓN EN MEDICINA PREDICTIVA EN OBESIDAD EN SALUD PÚBLICA. AÑO 2024. MSP-CAM. Awarded work: *J Pers Med*. 2024 Jul 31;14(8):816.

Doctoral Theses

Candidate: SOHA ESMAILI. Thesis title: Monitorización de la densidad pulmonar en la deficiencia de alfa 1 antitripsina "Estudio ALFADEN. Director(s): MYRIAM CALLE RUBIO. University: UCM.

Candidate: ANA ÁLVAREZ GONZÁLEZ. Thesis title: El cribado ginecológico en España según la Encuesta Nacional de Salud. Situación actual y evolución. Director(s): JOSÉ JAVIER ZAMORANO LEÓN. University: UCM.

Candidate: GALA FREIXER BALLESTEROS. Thesis title: Influencia de polimorfismos asociados a gustos en el control de IMC y la dieta mediterránea en una población sana. Director(s): JOSÉ JAVIER ZAMORANO LEÓN. University: UCM.

New Non Competitive Funding

ECL.23/503. ESTUDIO DE OBTENCIÓN DE PRUEBAS PARA LA DETECCIÓN DE CÁNCER DE ROCHE. PI: JUAN LUIS RODRIGUEZ HERMOSA.

ECL.23/749. ESTUDIO DE FASE II, DOBLE CIEGO, ALEATORIZADO, CONTROLADO CON TRATAMIENTO ACTIVO Y DE GRUPOS PARALELOS PARA EVALUAR LA FARMACOCINÉTICA, LA FARMACODINÁMICA, LA INMUNOGENICIDAD Y LA SEGURIDAD DE INBRX-101 EN COMPARACIÓN CON LA TERAPIA DE AUMENTO DEL INHIBIDOR DE LA PROTEINASA ALFA-1 (A1PI) DERIVADO DEL PLASMA EN ADULTOS CON ENFISEMA POR DEFICIENCIA DE ALFA-1 ANTITRIPSINA (DAAT). PI: JUAN LUIS RODRIGUEZ HERMOSA.

ECL.23/763. ESTUDIO INTERVENCIONISTA, PROSPECTIVO, EN EL MUNDO REAL PARA EVALUAR EL EFECTO DE MEPOLIZUMAB EN LA CONSECUENCIA DE REMISIÓN CLÍNICA EN PARTICIPANTES CON ASMA GRAVE. PI: JUAN LUIS RODRIGUEZ HERMOSA.

ECL.23/046. ANÁLISIS DEL IMPACTO DE LA TELEMONITORIZACIÓN DOMICILIARIA DE PACIENTES CON ESCLEROSIS LATERAL AMIOTRÓFICA. PI: MYRIAM CALLE RUBIO.

ECL.24/124. ESTUDIO ANTES B+: UN ESTUDIO ABIERTO, PRAGMÁTICO, RANDOMIZADO Y CONTROLADO DE TRIPLE TERAPIA FRENTE A LA COMBINACIÓN DE LABA-LAMA PARA LA MEJORA DEL CONTROL CLÍNICO EN PACIENTES GOLD B DE ALTO RIESGO (B+). PI: MYRIAM CALLE RUBIO.

Visiting

Visiting researcher: Sofía Barragán-Vázquez. Country of origin: Mexico. Center: Center for Nutrition and Health Research, Instituto Nacional de Salud Publica, Project: GENOBIA.II. Period: 01/02/2024-01/04/2024.

Visiting researcher: Sofía Barragán Vázquez del Mercado. Country of origin: MEXICO. Center: Center for Nutrition and Health Research, Instituto Nacional de Salud Publica, Cuernavaca, Morelos, Mexico. Project: Sleep disorders and their association with abdominal circumference and total fat mass of adolescents aged 11-13 years in a birth cohort in Mexico.

Scan me!



CV.8

Translational Research in Acute Myocardial Syndromes (INTEGRA)

Leading researcher

Antonio Ignacio Fernández Ortiz

Members

Ana Viana Tejedor

Luis David Vivas Balcones

Carlos Felipe Ferrera Durán

María Esther Bernardo García

Francisco Javier Noriega Sanz

Matías Rafael Mon Noboa

Iván Javier Núñez Gil

Molly Anna March

Javier Higuera Nafria

Silvia Mera González



Lines of Research

- Platelet reactivity in patients with ischaemic heart disease.
- Pathophysiological basis for transient apical dyskinesia syndromes.
- Pathophysiological basis and prevention of ischaemia/reperfusion myocardial damage.

Scientific production

59

Nº of papers (WoS)

42% (25)

% Open Access (Nº)

46

Nº of papers JCR indexed

72% (33)

% Citable Items (Nº)

79% (26)

Q1 (citable items)

24% (8)

D1 (citable items)

243.70

Cumulative IF

7.38

Average IF

Selected Publications

Toribio-Fernandez, Raquel, Tristao-Pereira, Catarina, Silla-Castro, Juan Carlos, Callejas, Sergio, Oliva, Belen, Fernandez-Nueda, Irene, Garcia-Lunar, Ines, Perez-Herreras, Cristina, Ordovas, Jose Maria, Martin, Pilar, Blanco-Kelly, Fiona, Ayuso, Carmen, Lara-Pezzi, Enrique, FERNÁNDEZ ORTIZ, ANTONIO IGNACIO, Garcia-Alvarez, Ana, Dopazo, Ana, Sanchez-Cabo, Fatima, Ibanez, Borja, Cortes-Canteli, Marta, Fuster, Valentin. Apolipoprotein E-e2 and Resistance to Atherosclerosis in Midlife: The PESA Observational Study. CIRCULATION RESEARCH. 2024. 134(4):411-424. DOI: 10.1161/CIRCRESAHA.123.323921. IF: 16,5. (D1).

Diez-Diez, Miriam, Ramos-Neble, Beatriz L., de la Barrera, Jorge, Silla-Castro, J. C., Quintas, Ana, Vazquez, Enrique, Rey-Martin, M. Ascension, Izzi, Benedetta, Sanchez-Garcia, Lucia, Garcia-Lunar, Ines, Mendieta, Guiomar, Mass, Virginia, Gomez-Lopez, Nuria, Espadas, Cristina, Gonzalez, Gema, Quesada, Antonio J., GARCIA ALVAREZ, ANA, FERNÁNDEZ ORTIZ, ANTONIO IGNACIO, Lara-Pezzi, Enrique, Dopazo, Ana, Sanchez-Cabo, Fatima, Ibanez, Borja, Andres, Vicente, Fuster, Valentin, Fuster, Jose J.. Unidirectional association of clonal hematopoiesis with atherosclerosis development. NATURE MEDICINE. 2024. 30(10). DOI: 10.1038/s41591-024-03213-1. IF: 58,7. (D1).

Montoliu, Antonio Tello, Gonzalez, Agustin Olea, Escudero, Angel Pujante, del Villar, Maria Martinez, Galipienso, Fernando de la Guia, Gonzalez, Leonel Diaz, Olmo, Rosa Fernandez, Freixa-Pamias, Roman, VIVAS BALCONES, LUIS DAVID. Cardiovascular considerations on recreational scuba diving. SEC-Clinical Cardiology Association/SEC-Working Group on Sports Cardiology consensus document. REVISTA ESPANOLA DE CARDIOLOGIA. 2024. 77(7):566-573. DOI: 10.1016/j.rec.2024.04.001. IF: 7,2. (Q1).

Awards

Researcher aware: Ana Viana Tejedor. Award: Premio CERCP. Awarded work: Premio CERCP – 2024 al trabajo científico con mayor proyección realizado por un autor/a español/a, en el ámbito de la PCR en 2023” concedido por el Consejo Español de RCP. A Coruña. 22-11-2024. .

Researcher aware: Ana Viana tejedor/. Award: Premio de la Asociación de Cardiopatía Isquémica y Cuidados Críticos Cardiológicos al mejor artículo publicado en Revista Española de Cardiología en 2023 al trabajo. Octubre 2024. Awarded work: trabajo “Coronariografía urgente en los pacientes con parada cardiaca extrahospitalaria sin elevación del segmento ST. Ensayo clínico COUPE”.

Clinical Practical Guidelines

Montoliu, Antonio Tello, Gonzalez, Agustin Olea, Escudero, Angel Pujante, del Villar, Maria Martinez, Galipienso, Fernando de la Guia, Gonzalez, Leonel Diaz, Olmo, Rosa Fernandez, Freixa-Pamias, Roman, VIVAS BALCONES, LUIS DAVID. Cardiovascular considerations on recreational scuba diving. SEC-Clinical Cardiology Association/SEC-Working Group on Sports Cardiology consensus document. REVISTA ESPANOLA DE CARDIOLOGIA. 2024. DOI: 10.1016/j.rec.2024.04.001.

New Non Competitive Funding

Efficacy and safety of bempedoic acid in acute coronary syndrome. Design of the clinical trial ES-BempeDACS. PI: Ana Viana Tejedor.

ECL.24/705. ENSAYO DE FASE III, ALEATORIZADO, DOBLE CIEGO, CONTROLADO CON PLACEBO Y BASADO EN EVENTOS PARA EVALUAR EL EFECTO DE BAXDROSTAT COMBINADO CON DAPAGLIFLOZINA EN COMPARACIÓN CON DAPAGLIFLOZINA SOLA SOBRE EL RIESGO DE INSUFICIENCIA CARDÍACA INCIDENTE Y MUERTE CARDIOVASCULAR EN PACIENTES CON ALTO RIESGO DE DESARROLLAR INSUFICIENCIA CARDÍACA. PI: LUIS DAVID VIVAS BALCONES.

ECL.24/443. EL REGISTRO “GLOBAL PARADISE™ SYSTEM”. PI: IVÁN JAVIER NÚÑEZ GIL.

Visitings

Visiting researcher: Reyes Diago. Country of origin: España. Center: Hospital Cuenca. Project: Estancia en la Unidad Coronaria. Period: 01/08/2024-01/10/2024.

Visiting researcher: Luisser Dainner Saavedra Córdova. Country of origin: Perú. Center: Hospital de Lima. Project: Estancia en la Unidad Coronaria. Period: 01/12/2024-31/12/2024.

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CV.10

Myocardial Regeneration Therapy and structural pathology

Leading researcher

Pilar Jiménez Quevedo

Members

Irene Martín Lores

María José Morales Vicente

Juan Carlos Gómez Polo

Mónica Pérez Serrano

Luis Nombela Franco

Teresa Morales Martínez

María Aranzazu Ortega Pozzi



Lines of Research

- Study of progenitor cell behaviour before heart disease and clinical effects after percutaneous implantation.
- New percutaneous implantation devices for the treatment of advanced chronic heart disease.
- Advances in the percutaneous treatment of aortic valve disease.
- Advances in the percutaneous treatment of mitral valve disease.
- Advances in the percutaneous treatment of tricuspid valve disease.
- Percutaneous devices to reduce the risk of bleeding in patients with chronic atrial fibrillation.

Scientific production

65

Nº of papers (WoS)

46% (30)

% Open Access (Nº)

53

Nº of papers JCR indexed

70% (37)

% Citable Items (Nº)

86% (32)

Q1 (citable items)

57% (21)

D1 (citable items)

435.10

Cumulative IF

11.76

Average IF

Selected Publications

Dreyfus, Julien, Galloo, Xavier, Taramasso, Maurizio, Heitzinger, Gregor, Benfari, Giovanni, Kresoja, Karl-Patrick, Juarez-Casso, Fernando, Omran, Hazem, Bohbot, Yohann, Iliadis, Christos, Russo, Giulio, Topilsky, Yan, Weber, Marcel, NOMBELA FRANCO, LUIS, Sala, Alesandra, Eixeres-Esteve, Andrea, lung, Bernard, Obadia, Jean-Francois, Estevez Loureiro, Rodrigo, Riant, Elisabeth, Donal, Erwan, Hausleiter, Joerg, Badano, Luigi, Le Tourneau, Thierry, Coisne, Augustin, Modine, Thomas, Latib, Azeem, Praz, Fabien, Windecker, Stephan, Zamorano, Jose Luis, von Bardeleben, Ralph Stephan, Tang, Gilbert H. L., Hahn, Rebecca, Webb, John, Muraru, Denisa, Nejjar, Mohammed, Chan, Vincent, De Bonis, Michele, CARNERO ALCAZAR, MANUEL, Nickenig, Georg, Pfister, Roman, Tribouilloy, Christophe, Rudolph, Volker, Crestanello, Juan, Lurz, Philipp, Bartko, Philipp, Maisano, Francesco, Bax, Jeroen, Enriquez-Sarano, Maurice, Messika-Zeitoun, David, TRIGISTRY Investigators. TRI-SCORE and benefit of intervention in patients with severe tricuspid regurgitation. EUROPEAN HEART JOURNAL. 2024. 45(8):586-597. DOI: 10.1093/eurheartj/ehad585. IF: 37,6. (D1).

Dreyfus, Julien, Taramasso, Maurizio, Kresoja, Karl-Patrik, Omran, Hazem, Iliadis, Christos, Russo, Giulio, Weber, Marcel, NOMBELA FRANCO, LUIS, Loureiro, Rodrigo Estevez, Hausleiter, Joerg, Latib, Azeem, Stolz, Lukas, Praz, Fabien, Windecker, Stephan, Zamorano, Jose Luis, von Bardeleben, Ralph Stephan, Tang, Gilbert H. L., Hahn, Rebecca, Lubos, Edith, Webb, John, Schofer, Joachim, Fam, Neil, Lauten, Alexander, Pedrazzini, Giovanni, Rodes-Cabau, Josep, Nejjar, Mohammed, Badano, Luigi, Alessandrini, Hannes, Himbert, Dominique, Sievert, Horst, Piayda, Kerstin, Donal, Erwan, Modine, Thomas, Nickenig, Georg, Fister, Roman P., Rudolph, Volker, Bernick, Jordan, Wells, George A., Bax, Jeroen, Lurz, Philipp, Enriquez-Sarano, Maurice, Maisano, Francesco, Messika-Zeitoun, David, TRIGISTRY Investigators. Prognostic Implications of Residual Tricuspid Regurgitation Grading After Transcatheter Tricuspid Valve Repair. JACC-CARDIOVASCULAR INTERVENTIONS. 2024. 17(12):1485-1495. DOI: 10.1016/j.jcin.2024.04.023. IF: 11,7. (D1).

ESPEJO PAERES, CAROLINA, Marroquin-Donday, Luis Alfonso, HENNESSEY, BRED, Wang, Lin, Mcinerney, Angela, PAREDES VÁZQUEZ, JOSE GILDARDO, PÉREZ VIZCAINO, MARÍA JOSÉ, TIRADO CONTE, GABRIELA, MACAYA TEN, FERNANDO, MEJÍA RENTERÍA, HERNÁN DAVID, SALINAS SANGUINO, PABLO, NÚÑEZ GIL, IVÁN JAVIER, GONZALO LÓPEZ, MARÍA NIEVES, NOMBELA FRANCO, LUIS, ESCANED BARBOSA, JAVIER, FERNÁNDEZ ORTIZ, ANTONIO IGNACIO, PÉREZ-VILLACASTÍN DOMÍNGUEZ, JULIÁN, JIMÉNEZ QUEVEDO, PILAR. Left Ventricular Outflow Tract Morphology as a Predictor of Conductance Disturbances Following Transcatheter Aortic Valve Replacement. JOURNAL OF THE AMERICAN HEART ASSOCIATION. 2024. 13(19). DOI: 10.1161/JAHA.124.034936. IF: 5. (Q1).

New Non Competitive Funding

23/181-E_BS. ESTUDIO ALEATORIZADO PARA EL TRATAMIENTO DE PACIENTES CON ICTUS RECURRENTES A PESAR DE TRATAMIENTO ANTICOAGULANTE (ESTUDIO ADD-LAAO. PI: LUIS NOMBELA FRANCO.

ECL.19/097. ESC-EORP. Valve Durability Registry. Protocol Synopsis (TAVI). PI: PILAR JIMÉNEZ QUEVEDO.

ECL.23/024. SEGURIDAD Y EFICACIA DEL SISTEMA DE SUSTITUCIÓN CARDIOVALVE TR EN LA REGURGITACIÓN TRICÚSPIDEA. PI: LUIS NOMBELA FRANCO.

ECL.23/399. PROSPECTIVE, SINGLE-ARM STUDY TO ASSESS THE SAFETY AND PERFORMANCE OF THE OMEGA™ LEFT ATRIAL APPENDAGE (LAA) OCCLUDER IN PATIENTS WITH NON-VALVULAR ATRIAL FIBRILLATION AND HIGH BLEEDING RISK. PI: LUIS NOMBELA FRANCO."

ECL.24/136. ESTUDIO FUNDAMENTAL ALTAVALVE™ ALTAVALVE™ PIVOTAL TRIAL. PI: LUIS NOMBELA FRANCO.

ECL.24/143. EVALUACION DE LA VIABILIDAD Y SEGURIDAD DE UN PROTOCOLO DE ALTA MUY PRECOZ TRAS IMPLANTE DE TAVI. PI: LUIS NOMBELA FRANCO.

ECL.24/185. ENSAYO CLÍNICO PARA EVALUAR LA SUSTITUCIÓN TRANSVENOSA DE LA VÁLVULA TRICÚSPIDE CON EL SISTEMA LUX-VALVE PLUS EN PACIENTES CON REGURGITACIÓN TRICÚSPIDE GRAVE O MAYOR – RENDIMIENTO DE SEGURIDAD Y CLÍNICO. PI: LUIS NOMBELA FRANCO.

ECL.24/199. ENSAYO CLÍNICO ALEATORIZADO DE LOS RESULTADOS DE LAS VÁLVULAS AÓRTICAS TRANSCATÉTER ALLEGRA FRENTE A SAPIEN EN LA INDICACIÓN VALVE-IN-VALVE. PI: PILAR JIMÉNEZ QUEVEDO."

ECL.24/514. REPARACIÓN TEMPRANA DE LA VÁLVULA MITRAL TRANSCATÉTER DESPUÉS DE UN INFARTO DE MIOCARDIO. PI: LUIS NOMBELA FRANCO."

ECL.24/598. SAFETY AND PERFORMANCE EVALUATION STUDY OF DRAGONFLY™ SYSTEM FOR MITRAL REGURGITATION. PI: LUIS NOMBELA FRANCO."

LNF.FMTV3.23. ADD-LAAO TRIAL (OAC/DOAC VS. LAAO ADDED TO DOAC IN PATIENTS WITH STROKE DESPITE OAC). PI: LUIS NOMBELA FRANCO.

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CV.11

Cardiovascular Risk

Leading researchers

Dulcenombre Gómez Garre

Nieves Martell Claros

Members

Adriana Ortega Hernández

José María Pedrajas Navas

Ana María García Ruíz

Manuel Méndez Bailón

Angel Manuel Molino González

María Abad Cardiel

Ángel Nieto Sánchez

Matilde Rodríguez Cerrillo

Aránzazu Barbero Pedraz

Natalia de las Heras Jiménez

Arturo Corbatón Anchuelo

Rafael Borge García

Javier Modrego Martín

Sandra Ballesteros Rodrigálvarez

José Antonio García Donaire

Silvia Sánchez González

ciber | CV

ciber | DEM



Lines of Research

- Complications in internal medicine patients.
- Studies for the prevention of pre-eclampsia.
- Non-invasive haemodynamics.
- Epidemiology of metabolic syndrome and diabetes mellitus.
- Molecular mechanisms and prognostic markers in heart failure syndrome in order to identify new therapeutic approaches.
- Molecular mechanisms and prognostic markers in arteriosclerosis in order to identify new therapeutic approaches.
- Study the association between the intestinal microbiota profile and/or the production of bacterial metabolites in the development and progression of cardiovascular disease.
- Study the relationship between the exposome and the development and progression of cardiovascular disease.

Scientific production

19

Nº of papers (WoS)

58%(11)

% Open Access (Nº)

17

Nº of papers JCR indexed

94% (16)

% Citable Items (Nº)

63% (10)

Q1 (citable items)

13% (2)

D1 (citable items)

61.66

Cumulative IF

3.85

Average IF

Selected Publications

Marin-Romero, Samira, Ballaz-Quincoces, Aitor, Gomez-Cuervo, Covadonga, Marchena-Yglesias, Pablo Javier, Lopez-Miguel, Patricia, Francisco-Albesa, Iria, PEDRAJAS NAVAS, JOSE MARIA, Lumbierres, Marina, Aibar-Arregui, Miguel Angel, Bosco Lopez-Saez, Juan, Perez-Pinar, Montserrat, Baeza-Martinez, Carlos, Riera-Mestre, Antoni, Peris-Sifre, Marisa, Porras-Ledantes, Jose Antonio, Criado-Garcia, Juan, Elias-Hernandez, Teresa, Otero, Remedios, Barca-Hernando, Maria, Muriel, Alfonso, Klok, Frederikus A., Jara-Palomares, Luis, SYSPPE investigators. Symptom-related screening programme for early detection of chronic thromboembolic pulmonary hypertension after acute pulmonary embolism: the SYSPPE study. *Thorax*. 2024. 79(2):144-152. DOI: 10.1136/thorax-2023-220580. IF: 9. (D1).

Rodríguez-García, Alba, Arroyo, Andres, García-Vicente, Roberto, Morales, María Luz, GÓMEZ-GORDO DÍAZ, RUBÉN, Justo, Pablo, Cuellar, Clara, Sanchez-Pina, Jose, Lopez, Nieves, Alonso, Rafael, Puig, Noemi, Mateos, Maria-Victoria, Ayala, Rosa, GÓMEZ GARRE, DULCENOMBRE, Martinez-Lopez, Joaquin, Linares, Maria. Short-Chain Fatty Acid Production by Gut Microbiota Predicts Treatment Response in Multiple Myeloma. *CLINICAL CANCER RESEARCH*. 2024. 30(4):904-917. DOI: 10.1158/1078-0432.CCR-23-0195. IF: 10. (D1).

TESOLATO, SOFIA ELENA, VICENTE VALOR, JUAN, PAZ CABEZAS, MATEO, GÓMEZ GARRE, DULCENOMBRE, SÁNCHEZ GONZÁLEZ, SILVIA, ORTEGA HERNÁNDEZ, ADRIANA, DE LA SERNA ESTEBAN, SOFIA CRISTINA, DOMÍNGUEZ SERRANO, M^a INMACULADA, DZIAKOVA, JANA, RIVERA ALONSO, DANIEL, JARABO SARCEDA, JOSÉ RAMÓN, GÓMEZ MARTÍNEZ, ANA MARÍA, HERNANDO TRANCHO, FLORENTINO, TORRES GARCÍA, ANTONIO JOSÉ, INIESTA SERRANO, M^a PILAR. Gut Microbiota Signatures with Potential Clinical Usefulness in Colorectal and Non-Small Cell Lung Cancers. *Biomedicine*. 2024. 12(3). DOI: 10.3390/biomedicine12030703. IF: 3,9. (Q1).

Awards

Researcher aware: Gómez-Garre MD, Modrego-Martin J, Ortega-Hernandez A., Award: SEGUNDO PREMIO AL MEJOR TRABAJO CIENTÍFICO ORIGINAL PUBLICADO EN 2023, del XXX PREMIO CIENTÍFICO 2024 del "Hospital Clínico San Carlos". Awarded work: Coronary microvascular dysfunction is associated with impaired cognitive function: the Cerebral-Coronary Connection study (C3 study).

Clinical Practical Guidelines

Abellán Alemán J, Sabaris RC, Pardo DE, GARCÍA DONAIRE JA, Romanos FG, Iriso JI, Penagos LM, Iglesias LJN, de Salinas APM, Pérez-Monteoliva NRR, Lezcano PS, Saborido MT, Roca FV; en representación de la Sociedad Española de Hipertensión y las Sociedades Autonómicas de Hipertensión y Riesgo Vascular de España. Documento de consenso sobre tabaquismo y riesgo vascular. *SEHLEHA*. 2024. DOI: 10.1016/S1889-1837(24)00075-8.

Tung-Chen, Y., Sanchez, G. Garcia de Casasola, Rubio, S. Garcia, Romero, L. Beltran, Wittel, M. Bernabeu, Figuero, L. S. Briongos, Lebrato, J. Canora, Gil, D. Garcia, Palmero, S. Lopez, Tedesco, D. Luordo, Rico, P. Martin, Gonzalez, M. Mateos, MENDEZ BAILON, MANUEL, Porcel, J. M., Serralta, G., Arrese, M. Torres, Olaso, J. Oteiza, Garcia, P. Varela, Macho, J. Torres. Executive summary of the consensus document for the training and development of clinical ultrasound in internal medicine: Recommendations from the Clinical Ultrasound Working Group of the Spanish Society of Internal Medicine (GTECO-SEMI). *REVISTA CLINICA ESPANOLA*. 2024. DOI: 10.1016/j.rce.2023.11.005.

New Competitive Funding

DGG.P04.PAIE.24. PROGRAMA DE APOYO A PROYECTOS DE INVESTIGADORES ESTABILIZADOS: "Análisis de las vesículas extracelulares bacterianas circulantes mediante citometría de flujo como biomarcadores pronóstico en pacientes con insuficiencia cardíaca". PI: DULCENOMBRE GÓMEZ GARRE.

New Non Competitive Funding

ECL.23/592. UN ESTUDIO DE GRUPOS PARALELOS, ALEATORIZADO, DOBLE CIEGO, CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE BAXDROSTAT EN PACIENTES CON HIPERTENSIÓN NO CONTROLADA QUE TOMAN DOS O MÁS MEDICAMENTOS, INCLUIDOS LOS PACIENTES CON HIPERTENSIÓN RESISTENTE. PI: JOSE ANTONIO GARCIA DONAIRE.

ECL.23/722. ESTUDIO ALEATORIZADO, DOBLE CIEGO, DE GRUPO PARALELOS, CONTROLADO CON PLACEBO, PARA EVALUAR EL EFECTO DE BAXDROSTAT SOBRE LA PRESIÓN ARTERIAL AMBULATORIA EN PACIENTES CON HIPERTENSIÓN ARTERIAL RESISTENTE. PI: JOSE ANTONIO GARCIA DONAIRE.

ECL.24/468. EFICACIA, SEGURIDAD Y FARMACOCINÉTICA DEL NNC0519-0130 UNA VEZ POR SEMANA POR VÍA S.C. FRENTE A 1,0 MG DE SEMAGLUTIDA Y PLACEBO EN PERSONAS CON INSUFICIENCIA RENAL CRÓNICA, CON DIABETES DE TIPO 2 O SIN ELLA, Y SOBREPESO U OBESIDAD: ESTUDIO PRELIMINAR DE EFICACIA Y BÚSQUEDA DE DOSIS. PI: JOSE ANTONIO GARCIA DONAIRE."

ECL.23/761. ESTUDIO DE FASE 3, MULTICÉNTRICO, ALEATORIZADO, DOBLE CIEGO, CONTROLADO CON PLACEBO, DE GRUPOS PARALELOS PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE LORUNDROSTAT EN SUJETOS CON HIPERTENSIÓN NO CONTROLADA Y RESISTENTE. PI: NIEVES MARTELL CLAROS."

ECL.23/599. ESTUDIO EN FASE II, DE GRUPOS PARALELOS, DOBLE CIEGO Y CON TRES GRUPOS DE TRATAMIENTO, PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE FINERENONA MÁS EMPAGLIFLOZINA EN COMPARACIÓN CON FINERENONA O EMPAGLIFLOZINA EN PARTICIPANTES CON ENFERMEDAD RENAL CRÓNICA Y DIABETES TIPO 2. PI: MANUEL MENDEZ BAILON.

ECL.23/793. ESTUDIO DE FASE 3, ALEATORIZADO, CON ENMASCARAMIENTO DOBLE, COMPARATIVO CON UN PLACEBO, PARA INVESTIGAR EL EFECTO DE LEPODISIRÁN SOBRE LA REDUCCIÓN DE LOS ACONTECIMIENTOS CARDIOVASCULARES ADVERSOS GRAVES EN ADULTOS QUE PRESENTEN ELEVACIÓN DE LA LIPOPROTEÍNA(A) Y ENFERMEDAD CARDIOVASCULAR ATROESCLERÓTICA CONFIRMADA O RIESGO DE SUFRIR UN PRIMER ACONTECIMIENTO CARDIOVASCULAR - ACCLAIM-IP(A). PI: MANUEL MENDEZ BAILON."

Technology Transfer

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. Ownership: 100% FIBHCSC. Spanish Patent no. ES2645028. Date of granting: 28/05/18.

Visiting

Visiting researcher: Juan Vicente Valor. Country of origin: España. Center: Universidad Complutense de Madrid. Project: Estudio de la relación microbiota intestinal y cáncer de pulmón. Period: 01/09/2024-20/12/2024.

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IN FLA MMA TI ON

INFLAMMATION,
INFECTION, IMMUNITY
AND ALLERGY AREA(IIIA)



INFLAMMATION, INFECTION, IMMUNITY AND ALLERGY (IIIA)

Groups

- IIIA.1 Allergy
- IIIA.2 Genetics and molecular bases of complex diseases
- IIIA.3 Musculoskeletal Pathology
- IIIA.7 Molecular and Epidemiological Study of Resistant Microorganisms of Clinical Interest
- IIIA.8 Kidney Diseases and Renal Function Replacement Therapy (Dialysis and Transplantation)
- IIIA.9 Infectious Diseases
- IIIA.12 Immunology

Annual Goals

Leading researcher	
Promote communication between groups in the area	Completed 
Maintain the percentage of publicly funded competitive projects	Completed 
Encourage and promote activities to disseminate research	Completed 
Improve the capacities of both infrastructure and human resources	Completed 
Encourage more active citizen participation	Completed 
Encourage generational change	Completed 

Selected 5 publications

Courel-Ibanez, Javier, Prieto-Moreno, Rafael, Briones-Vozmediano, Erica, Ariza-Vega, Patrocinio, Angevare, Saskya, Anton, Jordi, Bini, Ilaria, Clemente, Daniel, Correia, Matilde, Costello, Wendy, De Cock, Diederik, Domjan, Andrea, LEÓN MATEOS, LETICIA, Marques, Andrea, Minden, Kirsten, Mourao, Ana Filipa, Najm, Aurelie, Ozen, Seza, Pimentel, Georgina, Saleem, Zainab, Vetrovsky, Tomas, Wulffraat, Nico M., Zacarias Crovato, Andrea, Prior, Yeliz, Carmona, Loreto, Estevez-Lopez, Fernando. EULAR points to consider for patient education in physical activity and self-management of pain during transitional care. ANNALS OF THE RHEUMATIC DISEASES. 2024. DOI: 10.1136/ard-2024-226448. IF: 20,3. (D1).

Monzon, Sara, Varona, Sarai, Negredo, Anabel, Vidal-Freire, Santiago, Patino-Galindo, Juan Angel, Ferressini-Gerpe, Natalia, Zaballos, Angel, ORVIZ GARCÍA, EVA, AYERDI AGUIREBENGOA, OSKAR, MUÑOZ GÓMEZ, ANA, DELGADO-IRIBARREN GARCIA-CAMPERO, ALBERTO, ESTRADA PÉREZ, VICENTE, Garcia, Cristina, Molero, Francisca, Sanchez-Mora, Patricia, TORRES MOLINA, MAGDALENA, Vazquez, Ana, Galan, Juan-Carlos, Torres, Ignacio, Causse del Rio, Manuel, Merino-Diaz, Laura, Lopez, Marcos, Galar, Alicia, Cardenoso, Laura, Gutierrez, Almudena, Loras, Cristina, Escribano, Isabel, Alvarez-Argueles, Marta E., del Rio, Leticia, Simon, Maria, Melendez, Maria Angeles, Camacho, Juan, Herrero, Laura, Jimenez, Pilar, Navarro-Rico, Maria Luisa, Jado, Isabel, Giannetti, Elaina, Kuhn, Jens H., Sanchez-Lockhart, Mariano, Di Paola, Nicholas, Kugelman, Jeffrey R., Guerra, Susana, Garcia-Sastre, Adolfo, Cuesta, Isabel, Sanchez-Seco, Maripaz P., Palacios, Gustavo. Monkeypox virus genomic accordion strategies. NATURE COMMUNICATIONS. 2024. 15(1. DOI: 10.1038/s41467-024-46949-7. IF: 14,7. (D1).

Gaukler, Philipp, Matyjek, Anna, Kapsia, Seleni, Marinaki, Smaragdi, Quintana, Luis F., Diaz, Montserrat M., King, Catherine, Griffin, Sian, Ramachandran, Raja, Odler, Balazs, Eller, Kathrin, Artan, Ayse Serra, Mirioglu, Safak, Busch, Martin, Schaepe, Maxi, Turkmen, Kultigin, Cheung, Chee Kay, Pepper, Ruth J., Juarez, Gema Fernandez, Pascual, Julio, Aunon, Pilar, GARCÍA CARRO, CLARA, RODRÍGUEZ MORENO, ANTOLINA, Alberici, Federico, Luzardo, Leonella, Chebotareva, Natalia, Schoenermarck, Ulf, Fernandez, Loreto, Radhakrishnan, Jai, Guaman, Karina, Peleg, Yonatan, Hoisnard, Lea, Audard, Vincent, Papasotiriou, Marios,

Krnanska, Nina, Tesar, Vladimir, Hruskova, Zdenka, Bruchfeld, Annette, Stangou, Maria, Lioulios, Georgios, Faguer, Stanislas, Ribes, David, Salhi, Sofiane, Windpessl, Martin, Galesic, Kresimir, Crnogorac, Matija, Zagorec, Nikola, Mayer, Gert, Kronbichler, Andreas, RITERM Study Team. Long-Term Outcomes of Rituximab-Treated Adult Patients with Podocytopathies. JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY. 2024. 36(4):668-678). DOI: 10.1681/ASN.0000000520. IF: 10,3. (D1).

Collins, Sean P., Shotwell, Matthew S., Strich, Jeffrey R., Gibbs, Kevin W., de Wit, Marjolein, Files, D. Clark, Harkins, Michelle, Hudock, Kris, Merck, Lisa H., Moskowitz, Ari, Apodaca, Krystle D., Barksdale, Aaron, Safdar, Basmah, Javaheri, Ali, Sturek, Jeffrey M., Schrager, Harry, Iovine, Nicole M., Tiffany, Brian, Douglas, Ivor, Levitt, Joseph, Ginde, Adit A., Hager, David N., Shapiro, Nathan, Duggal, Abhijit, Khan, Akram, Lanspa, Michael, Chen, Peter, Gentile, Nina, Harris, Estelle, Gong, Michelle, Sellers, Subhashini, Goodwin, Andrew J., Tidswell, Mark A., Filbin, Michael, Desai, Neeraj, Gutierrez, Felix, ESTRADA PÉREZ, VICENTE, Burgos, Joaquin, Boyles, Tom, Pano-Pardo, Jose R., Hussen, Nazreen, Rosenberg, Yves, Troendle, James, Bernard, Gordon R., Bistran-Hall, Amanda J., Walsh, Kelly, Casey, Jonathan D., Declercq, Josh, Joly, Meghan Morrison, Pulley, Jill, Rice, Todd W., Schildcrout, Jonathan S., Wang, Li, Semler, Matthew W., Self, Wesley H., ACTIV 4 Host Tissue Investigator. Fostamatinib for Hospitalized Adults With COVID-19 and Hypoxemia A Randomized Clinical Trial. Jama Network Open. 2024. 7(12). DOI: 10.1001/jama-networkopen.2024.48215. IF: 10,5. (D1).

del Rio, Pablo Rodriguez, Alvaro-Lozano, Montserrat, Arasi, Stefania, Bazire, Raphaelle, Escudero, Carmelo, Patel, Nandinee, Sandoval-Rubillos, Monica, Vazquez-Ortiz, Marta, Nowak-Wegrzyn, Anna, Bluemchen, Katharina, Galvin, Audrey Dunn, Deschildre, Antoine, Greenhawt, Matthew, Schnadt, Sabine, Riggioni, Carmen, Remington, Benjamin C., Turner, Paul, FERNÁNDEZ RIVAS, MARÍA MONTSERRAT. Evaluation of clinical outcomes of efficacy in food allergen immunotherapy trials, COFAITH EAACI task force. Allergy. 2024. 79(4):793-822. DOI: 10.1111/all.16027. IF: 12,6. (D1).

IIIA.1

Allergy

Leading researcher

María Montserrat Fernández Rivas

Members

Alejandro Gonzalo Fernández	Natalia Patricia Freundt Serpa
Guadalupe Marco Martín	Nerea Marchan Pinedo
Leticia Sánchez Morillas	Rosialzira Natasha Vera Berrios
María Luisa González Gutiérrez	Sonia Vázquez Cortés
María Mar San Julián Esteban	Teresa Robledo Echarren



Lines of Research

- Identification of clinical phenotypes in food, drug and inhalant allergy.
- Improving the diagnosis of food, drug and inhalant allergy.
- Improving the treatment of food and drug allergy.
- Socio-economic impact of food and drug allergy.

Scientific production

9

Nº of papers (WoS)

89%⁽⁸⁾
% Open Access (Nº)

9

Nº of papers JCR indexed

78%⁽⁷⁾
% Citable Items (Nº)

57%⁽⁴⁾
Q1 (citable items)

14%⁽¹⁾
D1 (citable items)

50.60
Cumulative IF

7.23
Average IF



Selected Publications

del Rio, Pablo Rodriguez, Alvaro-Lozano, Montserrat, Arasi, Stefania, Bazire, Raphaelle, Escudero, Carmelo, Patel, Nandinee, Sandoval-Rubillos, Monica, Vazquez-Ortiz, Marta, Nowak-Wegrzyn, Anna, Bluemchen, Katharina, Galvin, Audrey Dunn, Deschildre, Antoine, Greenhawt, Matthew, Schnadt, Sabine, Riggioni, Carmen, Remington, Benjamin C., Turner, Paul, FERNÁNDEZ RIVAS, MARÍA MONTSERRAT. Evaluation of clinical outcomes of efficacy in food allergen immunotherapy trials, COFAITH EAACI task force. *Allergy*. 2024. 79(4):793-822. DOI: 10.1111/all.16027. IF: 12,6. (D1).

Argiz, L., Valsami-Fokianos, M., Arasi, S., Barni, S., Boscia, S., Braccaglia, G., Bracamonte, T., Carballeira, I., Dinardo, G., Echeverria, L., Garcia, E., Garcia-Magan, C., Gomez-Rial, J., Gonzalez-Delgado, P., Fiocchi, A., Garriga, T., Ibrahim, T., Infante, S., Machinena, A., Mangone, G., Mori, F., Moure, J. D., O'Valle, V., Pascal, M., Pecora, V., Prieto, A., Quevedo, S., Salas, A., VÁZQUEZ CORTÉS, SONIA, Vila, L., Martinon-Torres, F., Gomez-Carballa, A., Boyle, R. J., Vazquez-Ortiz, Marta. Clinical-Hematological Changes and Predictors of Severity in Acute Food Protein-Induced Enterocolitis Syndrome Reactions at Oral Food Challenge: A Multicenter Observational Study. *JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY-IN PRACTICE*. 2024. 12(9). DOI: 10.1016/j.jaip.2024.05.024. IF: 8,2. (D1).

Leung, Agnes Sze-Yin, Xing, Yuhua, FERNÁNDEZ RIVAS, MARÍA MONTSERRAT, Wong, Gary Wing-Kin. The Relationship Between Dietary Patterns and the Epidemiology of Food Allergy. *Allergy*. 2024. DOI: 10.1111/all.16455. IF: 12,6. (D1).

Technology Transfer

MÉTODO PARA EL PRONÓSTICO DE LA EFICACIA DE LA INMUNOTERAPIA ORAL PARA EL TRATAMIENTO DE LA ALERGIA A LAS PROTEÍNAS DE LECHE DE VACA. Ownership: 35% FIBHSCS 65% Fundación para la Investigación Biomédica del Hospital Universitario Ramón y Cajal. Spanish Patent no. ES2530440. Date of granting: 10/12/15. European Patent no. EP3361259. Date of granting: 23/05/20. This patent was validated in 2020 in Germany, France, United Kingdom and Italy.

Visiting

Visiting researcher: Maria Elizabeth Loreda Colunga. Country of origin: Mexico. Center: Hospital de especialidades "Dr. Bernardo Sepúlveda", del Centro Médico Nacional Siglo XXI, Ciudad de Mexico. Period: 01/07/2024- 31/08/2024.

Visiting researcher: Margarita del Carmen López García. Country of origin: Mexico. Center: Hospital de Especialidades, Centro Médico Nacional de Occidente, Guadalajara,MX. Period: 01/11/2024 - 31/12/2024.

Visiting researcher: Zaira Lorena Escobedo Salcedo. Country of origin: Mexico. Center: Hospital de Especialidades, Centro Médico Nacional de Occidente, Guadalajara,MX. Period: 01/11/2024 - 31/12/2024.

Visiting researcher: Miriam Pineda Cruz. Country of origin: Mexico. Center: Hospital de Especialidades, Centro Médico Nacional de Occidente, Guadalajara,MX. Period: 01/09/2024 - 31/10/2024

Visiting researcher: Luis Alberto Durán Martín. Country of origin: Mexico. Center: Hospital de Especialidades, Centro Médico Nacional de Occidente, Guadalajara,MX. Period: 01/09/2024 - 31/10/2024.

Visiting researcher: Ana Gabriela Escalante Arbizu. Country of origin: Mexico. Center: Hospital de Pediatría Centro Médico Nacional de Occidente, Guadalajara,MX. Period: 01/08/2024 -31/08/2024.

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IIIA.2

Genetics and molecular bases of complex diseases

Leading researchers

Elena Urcelay García

María Concepción Núñez Pardo de Vera

Members

Adela González Jiménez

Irene Gómez Estévez

Andrea Raposo López-Pastor

Irene Isabel Gómez Delgado

Carla Besada López

Johnny Adrián Quezada Sánchez

Celia Oreja Guevara

Jorge Infante Menéndez

Clara González Gallego

Lorena García Vasco

Elda María Alba Suárez

Paula Salgado Cámara

Gema García-Carpintero García-Maroto

Sara Gómez Aguililla



Lines of Research

- Aetiology of multiple sclerosis and coeliac disease.
- Diagnosis of coeliac disease.
- Research in multiple sclerosis therapies and health outcomes.
- Pharmacogenetics of autoimmune diseases.
- Environmental triggers of some autoimmune diseases of major socio-economic impact and their possible interaction with genetic factors.
- Role of mitochondrial functionality in relation to different pathologies: COVID-19, multiple sclerosis, renal disease...

Scientific production

37

Nº of papers (WoS)

35% (13)

% Open Access (Nº)

37

Nº of papers JCR indexed

43% (16)

% Citable Items (Nº)

63% (10)

Q1 (citable items)

13% (2)

D1 (citable items)

71.10

Cumulative IF

4.44

Average IF

Selected Publications

Fernandez-Banares, Fernando, Crespo, Laura, Planella, Montserrat, Farraís, Sergio, Izquierdo, Sandra, LÓPEZ PALACIOS, NATALIA, Roy, Garbine, Vidal, Judith, NÚÑEZ PARDO DE VERA, MARÍA CONCEPCIÓN. Improving the Diagnosis of Dermatitis Herpetiformis Using the Intraepithelial Lymphogram. *NUTRIENTS*. 2024. 16(2). DOI: 10.3390/nu16020232. IF: 4,8. (Q1).

Fernandez, Oscar, Sorensen, Per Soelberg, Comi, Giancarlo, Vermersch, Patrick, Hartung, Hans-Peter, Leocani, Letizia, Berger, Thomas, Van Wijmeersch, Bart, OREJA GUEVARA, CELIA. Managing multiple sclerosis in individuals aged 55 and above: a comprehensive review. *FRONTIERS IN IMMUNOLOGY*. 2024. 15. DOI: 10.3389/fimmu.2024.1379538. IF: 5,7. (Q1).

OREJA GUEVARA, CELIA, Martínez-Yelamos, Sergio, Eichau, Sara, Llaneza, Miguel Angel, Martín-Martínez, Jesús, Pena-Martínez, Joaquín, Meca-Lallana, Virginia, Alonso-Torres, Ana María, Moral-Torres, Ester, Río, Jordi, Calles, Carmen, Ares-Luque, Adrián, Ramio-Torrenta, Lluís, Marzo-Sola, María Eugenia, Prieto, José María, Martínez-Gines, María Luisa, Arroyo, Rafael, Otano-Martínez, María Angeles, Brieva-Ruiz, Luis, Gómez-Gutiérrez, Montserrat, Rodríguez-Antigüedad, Alfredo, Sánchez-Seco, Victoria Galán, Costa-Frossard, Lucienne, Hernández-Pérez, Miguel Angel, Landete-Pascual, Lamberto, González-Platas, Montserrat, Meca-Lallana, José E. Beyond lines of treatment: embracing early high-efficacy disease-modifying treatments for multiple sclerosis management. *THERAPEUTIC ADVANCES IN NEUROLOGICAL DISORDERS*. 2024. 17. DOI: 10.1177/17562864241284372. IF: 4,7. (Q1).

Awards

Researcher aware: MARÍA CONCEPCIÓN NÚÑEZ PARDO DE VERA. Award: II Concurso "Tu idea, su salud": diploma innovador absoluto propuesta. Awarded work: DIAGNÓSTICO DE ENFERMEDAD CELÍACA EN DIETA SIN GLUTEN.

Clinical Practical Guidelines

Meca-Lallana, J. E., Yelamos, S. Martínez, Eichau, S., Llaneza, M. A., Martínez, J. Martín, Martínez, J. Pena, Lallana, V. Meca, Torres, A. M. Alonso, Torres, E. Moral, Río, J., Calles, C., Luque, A. Ares, Ramio-Torrenta, L., Sola, M. E. Marzo, Prieto, J. M., Gines, M. L. Martínez, ARROYO GONZÁLEZ, RAFAEL VÍCTOR, Martínez, M. A. Otano, Ruiz, L. Brieva, Gutiérrez, M. Gómez, Zarranz, A. Rodríguez-Antigüedad, Sánchez-Seco, V. G., Costa-Frossard, L., Pérez, M. A. Hernández, Pascual, L. Landete, Platas, M. González, OREJA GUEVARA, CELIA. Consensus statement of the Spanish Society of Neurology on the treatment of multiple sclerosis and holistic patient management in 2023. *Neurología*. 2024. DOI: 10.1016/j.nrl.2023.06.001.

Cavallieri F, Sellner J, Akhvediani T, Bassetti CL, Bereczki D, Fanciulli A, Filipović SR, Guekht A, Helbok R, Hochmeister S, Martinelli Boneschi F, von Oertzen TJ, Öztürk S, Priori A, Ramankulov D, Willekens B, Rakusa M, Moro E; NeuroCOVID-19 Task Force of the European Academy of Neurology. The European Academy of Neurology NeuroCOVID-19 Task Force: A lesson for the future. *Eur J Neurol*. 2024. DOI: 10.1111/ene.16321. Epub 2024 Apr 26. PMID: 38676302; PMCID: PMC11618110.

New Competitive Funding

CNP.P01.CON.24. II Concurso "Tu idea, su salud": diploma innovador absoluto propuesta: DIAGNÓSTICO DE ENFERMEDAD CELÍACA EN DIETA SIN GLUTEN. PI: MARÍA CONCEPCIÓN NÚÑEZ PARDO DE VERA.

CNP.P04.PAIE.24. PROGRAMA DE APOYO A PROYECTOS DE INVESTIGADORES ESTABILIZADOS: "Aspectos novedosos en diagnóstico y tratamiento de la enfermedad celíaca. Primeros pasos hacia la medicina personalizada en el paciente adulto". PI: MARÍA CONCEPCIÓN NÚÑEZ PARDO DE VERA.

PI23/00749. Más allá de la genética en esclerosis múltiple: avances en la terapia y estratificación de pacientes. PI: ELENA URCELAY GARCÍA.

PIPF-2023/SAL-GL-29636. Contratación de personal investigador predoctoral en formación 2023 - Jorge Infante Menéndez. PI: MARÍA CONCEPCIÓN NÚÑEZ PARDO DE VERA.

New Non Competitive Funding

ECL.21/073. UTILIDAD DEL SIGNO DE LA VENA CENTRAL Y LAS LESIONES RIM PARAMAGNÉTICAS EN LA RESONANCIA MAGNÉTICA CEREBRAL

PARA EL DIAGNÓSTICO DIFERENCIAL DE ESCLEROSIS MÚLTIPLE Y LESIONES DE SUSTANCIA BLANCA EN PACIENTES CON MIGRAÑA. PI: CELIA OREJA GUEVARA.

ECL.23/318. BEYOND MULTIPLE SCLEROSIS GENETICS: INSIGHTS INTO THERAPY AND PATIENT STRATIFICATION MÁS ALLÁ DE LA GENÉTICA EN ESCLEROSIS MÚLTIPLE: AVANCES EN TERAPIA Y ESTRATIFICACIÓN DE PACIENTES. PI: ELENA URCELAY GARCÍA.

ECL.23/480. ESTUDIO INTERVENCIONISTA DE EXTENSIÓN EN FASE III PARA INVESTIGAR LA SEGURIDAD Y LA TOLERABILIDAD A LARGO PLAZO DE TOLEBRUTINIB EN PARTICIPANTES CON ESCLEROSIS MÚLTIPLE RECIDIVANTE, ESCLEROSIS MÚLTIPLE PRIMARIA PROGRESIVA O ESCLEROSIS MÚLTIPLE SECUNDARIA PROGRESIVA NO RECIDIVANTE. PI: CELIA OREJA GUEVARA."

ECL.23/489. DETECCIÓN PRECOZ DE LA PROGRESIÓN DE LA ESCLEROSIS MÚLTIPLE CON MSCOPILOT® DETECT. PI: CELIA OREJA GUEVARA."

ECL.23/539. EFICACIA Y SEGURIDAD DEL CROMOGLICATO COMO NUEVO TRATAMIENTO SINTOMÁTICO EN PACIENTES CON ESCLEROSIS MÚLTIPLE (EM). PI: CELIA OREJA GUEVARA.

ECL.23/622. ESTUDIO DE FASE 3, DOBLE CIEGO, ALEATORIZADO, COMPARANDO LA EFICACIA Y SEGURIDAD DE FREXALIMAB (SAR441344) CON PLACEBO EN PARTICIPANTES ADULTOS CON ESCLEROSIS MÚLTIPLE SECUNDARIA PROGRESIVA SIN RECAÍDA. PI: CELIA OREJA GUEVARA.

ECL.23/623. RANDOMIZED, DOUBLE-BLIND, PHASE 3 STUDY COMPARING EFFICACY AND SAFETY OF FREXALIMAB (SAR441344) TO TERIFLUNOMIDE IN ADULT PARTICIPANTS WITH RELAPSING FORMS OF MULTIPLE SCLEROSIS. PI: CELIA OREJA GUEVARA.

ECL.24/327. ESTUDIO DE FASE II, MULTICÉNTRICO, ALEATORIZADO, DOBLE CIEGO Y CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE OBEXELIMAB EN PACIENTES CON ESCLEROSIS MÚLTIPLE RECIDIVANTE. PI: CELIA OREJA GUEVARA."

Doctoral Theses

Candidate: Martina García Baudino. Thesis title: Determinación mediante citometría de flujo de la respuesta inmunológica frente al gluten en sangre periférica. (TFM). Director(s): MARÍA CONCEPCIÓN NÚÑEZ PARDO DE VERA. University: Universidad Complutense de Madrid.

Candidate: Mariana Arango Gómez. Thesis title: Análisis de linfograma intraepitelial en pacientes con sospecha de enfermedad celíaca. (TFM). Director(s): MARÍA CONCEPCIÓN NÚÑEZ PARDO DE VERA. University: Universidad Complutense de Madrid.

Candidate: Diana Lavilla Pérez. Thesis title: Formas clínicas en la esclerosis múltiple: profundizando en el papel de la actividad mitocondrial y en los factores de susceptibilidad. (TFM). Director(s): ELENA URCELAY GARCÍA; IRENE GÓMEZ DELGADO. University: Universidad Complutense de Madrid.

Candidate: Irene Bravo Blanco. Thesis title: Estudio del efecto renoprotector de los iSGLT2 en la enfermedad renal diabética y la modulación de la actividad mitocondrial. (TFM). Director(s): ELENA URCELAY GARCÍA; ANDREA RAPOSO LÓPEZ-PASTOR. University: Universidad Complutense de Madrid.

Candidate: Adela González Jiménez. Thesis title: Inmunometabolismo en esclerosis múltiple: Implicaciones genéticas y terapéuticas. Director(s): ELENA URCELAY GARCÍA; LAURA ESPINO PAISÁN. University: Universidad Complutense de Madrid.

Candidate: María Corzo Martínez. Thesis title: Diagnóstico de enfermedad celíaca en dieta sin gluten: análisis de linfocitos recirculantes en sangre periférica tras provocación corta con gluten. Director(s): MARÍA CONCEPCIÓN NÚÑEZ PARDO DE VERA; NATALIA LÓPEZ PALACIOS; MIREN GARBÍÑE ROY ARIÑO. University: Universidad Complutense de Madrid.

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IIIA.3

Musculoskeletal Pathology

Leading researchers

Benjamín Fernández Gutiérrez Lydia Abásolo Alcazar

Members

Alba Soilán Enríquez	Mar Carrión Caballo
Alfredo Madrid García	María Asunción Nieto Barbero
Amalia Lamana Domínguez	María Dolores Olmos Gómez
Ana María Pérez Sáez	María Esther Toledano Martínez
Ángeles López De Benito	María López Ramos
Cristina De Jesús Lajas Petisco	María Paula Álvarez Hernández
Cristina Vadillo Font	María Rodero López
Dalífer Dayanira Freitas Núñez	María Rodríguez Mariblanca
Eduardo Ossuna Juntádez	Pablo Moreno Fresneda
Elena Moreno Mínguez	Pía Mercedes Lois Bermejo
Esperanza Pato Cour	Sara Curiel Manzanar
Fernando Marco Martínez	Susana Donadeu Sánchez
Gloria Candelas Rodríguez	Teresa Mulero López
Inés Pérez Sancristóbal	Teresa Sofía Sánchez Pascua
Inmaculada Chicarro Rodríguez	Yaiza Lopiz Morales
Irene González Guede	Yasmina Juarranz Moratilla
Leticia León Mateos	Zulema Rosales Rosado
Luis Rodríguez Rodríguez	



Lines of Research

PI Lydia Abásolo:

- Quality of life, pain, disability and mortality in musculoskeletal diseases (MSDs).
- Clinical epidemiology and biomarkers in SpA.
- Clinical epidemiology, psychology and biomarkers in RA.

Scientific production

38

Nº of papers (WoS)

37% (14)

% Open Access (Nº)

35

Nº of papers JCR indexed

54% (19)

% Citable Items (Nº)

53% (10)

Q1 (citable items)

16% (3)

D1 (citable items)

89.18

Cumulative IF

4.69

Average IF

- Clinical epidemiology and biomarkers in autoimmune-derived PDID.

PI Luis Rodríguez:

- Epidemiology and genetics of intraocular inflammation.
- Innovation and research in ICT: Maching learning and big data in EMEs.

IP Benjamín Fernández:

- Molecular basis of immune-mediated diseases.
- Physiopathological basis of osteoarthritis: regenerative and immunomodulatory potential; mesenchymal stem cells; generation of organoids.

IP M^a del Carmen Martínez Mora and Yasmina Juarranz Moratilla:

- Implication of the VIP-receptor axis in inflammatory/autoimmune diseases and their potential as biomarkers.

Selected Publications

Mendibil, Unai, LOPIZ MORALES, YAIZA, Arnaiz, Blanca, Ruiz-Hernandez, Raquel, Martín, Pablo, Di-Silvio, Desire, Garcia-Urquia, Nerea, Elortza, Felix, Azkargorta, Mikel, Olalde, Beatriz, Abarrategi, Ander. Development of bioactive solid-foam scaffolds from decellularized cartilage with chondrogenic and osteogenic properties. *Materials Today Bio.* 2024. 28. DOI: 10.1016/j.mtbio. 2024.101228. IF: 8,7. (D1).

GONZÁLEZ GUEDE, IRENE, Garriguez-Perez, Daniel, FERNÁNDEZ GUTIÉRREZ, BENJAMÍN. Osteochondral Tissue-On-a-Chip: A Novel Model for Osteoarthritis Research. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES.* 2024. 25(18). DOI: 10.3390/ijms25189834. IF: 4,9. (Q1).

Courel-Ibanez, Javier, Prieto-Moreno, Rafael, Briones-Vozmediano, Erica, Ariza-Vega, Patrocinio, Angevare, Saskya, Anton, Jordi, Bini, Ilaria, Clemente, Daniel, Correia, Matilde, Costello, Wendy, De Cock, Diederik, Domjan, Andrea, LEÓN MATEOS, LETICIA, Marques, Andrea, Minden, Kirsten, Mourao, Ana Filipa, Najm, Aurelie, Ozen, Seza, Pimentel, Georgina, Saleem, Zainab, Vetrovsky, Tomas, Wulffraat, Nico M., Zacarias Crovato, Andrea, Prior, Yeliz, Carmona, Loreto, Estevez-Lopez, Fernando. EULAR points to consider for patient education in physical activity and self-management of pain during transitional care. *ANNALS OF THE RHEUMATIC DISEASES.* 2024. DOI: 10.1136/ard-2024-226448. IF: 20,3. (D1).

New Competitive Funding

LRR.P04.PAIE.24. PROGRAMA DE APOYO A PROYECTOS DE INVESTIGADORES ESTABILIZADOS: "Optimización del cuidado en el paciente con uveítis: "Patient-journey" y propuestas de innovación". PI: LYDIA ABÁSULO ALCAZAR; LUIS RODRÍGUEZ RODRÍGUEZ.

MV23/00029. Movilidad de personal investigador contratado en el marco de la AES (M-AES): Inés Pérez San Cristóbal (Contratada Rio Hortega). PI: INÉS PÉREZ SANCRISTÓBAL.

PI23/00154. Desarrollo y validación de modelos de predicción de aprendizaje automático para resultados de salud en uveítis: un Proyecto multicéntrico que usa el texto libre de historias clínicas electrónicas mediante métodos de aprendizaje profundo. PI: LUIS RODRÍGUEZ RODRÍGUEZ.

PI23/00343. Integración de información clínica (Registro NEREA) y biomarcadores: pronóstico y respuesta al tratamiento de pacientes con enfermedad pulmonar intersticial difusa de origen autoinmune. PI: LYDIA ABÁSULO ALCAZAR.

SDS.SECOT.23. Regeneración del Cartilago articular mediante terapia celular basada en hidrogeles termosensibles. PI: SUSANA DONADEU SÁNCHEZ.

YLM.AOT.24. Regeneración del Cartilago articular mediante terapia celular basada en hidrogeles termosensibles. Estudio in-vivo. PI: YAIZA LOPIZ MORALES.

New Non Competitive Funding

24/023-O_P. ESTUDIO OBSERVACIONAL, RETROSPECTIVO SOBRE LOS RESULTADOS CLÍNICOS, RADIOLÓGICOS DEL SISTEMA OPTETRAK LOGIC® EXACTECH KNEE SYSTEM EN CIRUGÍA PROTÉSICA DE RODILLA. PI: FERNANDO MARCO MARTÍNEZ.

ECL.23/394. ESTUDIO DE EXTENSIÓN ABIERTO DE TREPROSTINIL INHALADO EN SUJETOS CON FIBROSIS PULMONAR IDIOPÁTICA. PI: MARÍA ASUNCIÓN NIETO BARBERO.

ECL.23/494. ESTUDIO EN FASE III, MULTICÉNTRICO, ALEATORIZADO, DOBLE CIEGO Y CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA, LA SEGURIDAD Y LA TOLERABILIDAD DE BMS-986278 EN PARTICIPANTES CON FIBROSIS PULMONAR IDIOPÁTICA (FPI). PI: MARÍA ASUNCIÓN NIETO BARBERO.

ECL.23/509. ESTUDIO EN FASE III, MULTICÉNTRICO, ALEATORIZADO, DOBLE CIEGO Y CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA, LA SEGURIDAD Y LA TOLERABILIDAD DE BMS-986278 EN PARTICIPANTES CON FIBROSIS PULMONAR PROGRESIVA. PI: MARÍA ASUNCIÓN NIETO BARBERO.

ECL.23/652. ESTUDIO ALEATORIZADO, DOBLE CIEGO, DE BÚSQUEDA DE LA DOSIS, CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE PLN-74809 (BEXOTEGRAS) EN EL TRATAMIENTO DE LA FIBROSIS PULMONAR IDIOPÁTICA (BEACON-IPF). PI: MARÍA ASUNCIÓN NIETO BARBERO.

ECL.24/072. INTEGRACIÓN DE INFORMACIÓN CLÍNICA (REGISTRO NEREA) Y BIOMARCADORES: PRONÓSTICO Y RESPUESTA AL TRATAMIENTO DE PACIENTES CON ENFERMEDAD PULMONAR INTERSTICIAL DIFUSA DE ORIGEN AUTOINMUNE. PI: LYDIA ABÁSULO ALCAZAR.

ECL.24/141. DESARROLLO Y VALIDACIÓN DE MODELOS DE PREDICCIÓN DE RESULTADOS RELACIONADOS CON LA SALUD EN SUJETOS CON UVEÍTIS BASADOS EN TÉCNICAS DE APRENDIZAJE AUTOMÁTICO: UN PROYECTO MULTICÉNTRICO QUE APLICA MÉTODOS DE APRENDIZAJE PROFUNDO DE ÚLTIMA GENERACIÓN EN TEXTO LIBRE DE REGISTROS ELECTRÓNICOS DE SALUD. PI: LUIS RODRÍGUEZ RODRÍGUEZ.

Doctoral Theses

Candidate: Dalifer Freites. Thesis title: Enfermedades Reumáticas y Musculoesqueléticas en el Contexto del SARS-CoV-2". Director(s): Lydia Abasolo; Luis Rodríguez; Benjamín Fernández. University: Universidad Complutense de Madrid.

Candidate: Batriz Morales. Thesis title: Impacto del cáncer de pulmón en la mortalidad de los pacientes con enfermedad pulmonar intersticial difusa. Director(s): Lydia Abasolo; Asunción Nieto. University: Universidad Complutense de Madrid.

Scan me!



IIIA.7

Clinical Microbiology: Diagnosis and Treatment of Infection in the Age of Resistance and Global Health

Leading researcher

Alberto Delgado-Iribarren García-Campero

Members

Ana Arribi Vilela	Francisco Miguel Braojos Sánchez
Berta Laguna Fonseca	Iciar Rodríguez-Avil Infante
Cristina García Salguero	Laura López González
Elisa Pérez- Cecilia Carrera	Luis Vallejo Rodríguez
Elvira Baos Muñoz	María García González
Esther Culebras López	María José Valderrama Conde
Esther Ríos Dueñas	Mercedes Martínez Rodríguez
Fernando González Romo	Paloma Merino Amador



Lines of Research

- Study, monitoring, and evolution of the levels of resistance of the most prevalent pathogenic bacteria, or those with the greatest clinical impact to the antibiotics used for their treatment.
- Study of resistance mechanisms, genes involved, and dissemination capacity among pathogenic bacteria in our environment.
- Study of the clinical and epidemiological characteristics and therapeutic options of invasive fungal infections, in particular, candidaemia.
- Control, monitoring, and improvement strategies in the clinical management of patients with imported parasitosis, especially Chagas disease.
- Clostridioides difficile infection and the importance of diagnostic interpretation and impact of recurrences in clinical practice.
- Study and follow-up of the immunity generated by the different SARS-CoV-2 vaccines available in the Community of Madrid, including nursing home patients.
- NGS sequencing analysis of emerging pathogens including SARS-CoV-2. The role of the microbiome and resistome in infectious pathology.
- Study on cell-mediated immunity in people exposed to SARS-Cov2 and after vaccination.

Scientific production

10

Nº of papers (WoS)

50%⁽⁵⁾

% Open Access (Nº)

10

Nº of papers JCR indexed

90%⁽⁹⁾

% Citable Items (Nº)

67%⁽⁶⁾

Q1 (citable items)

33%⁽³⁾

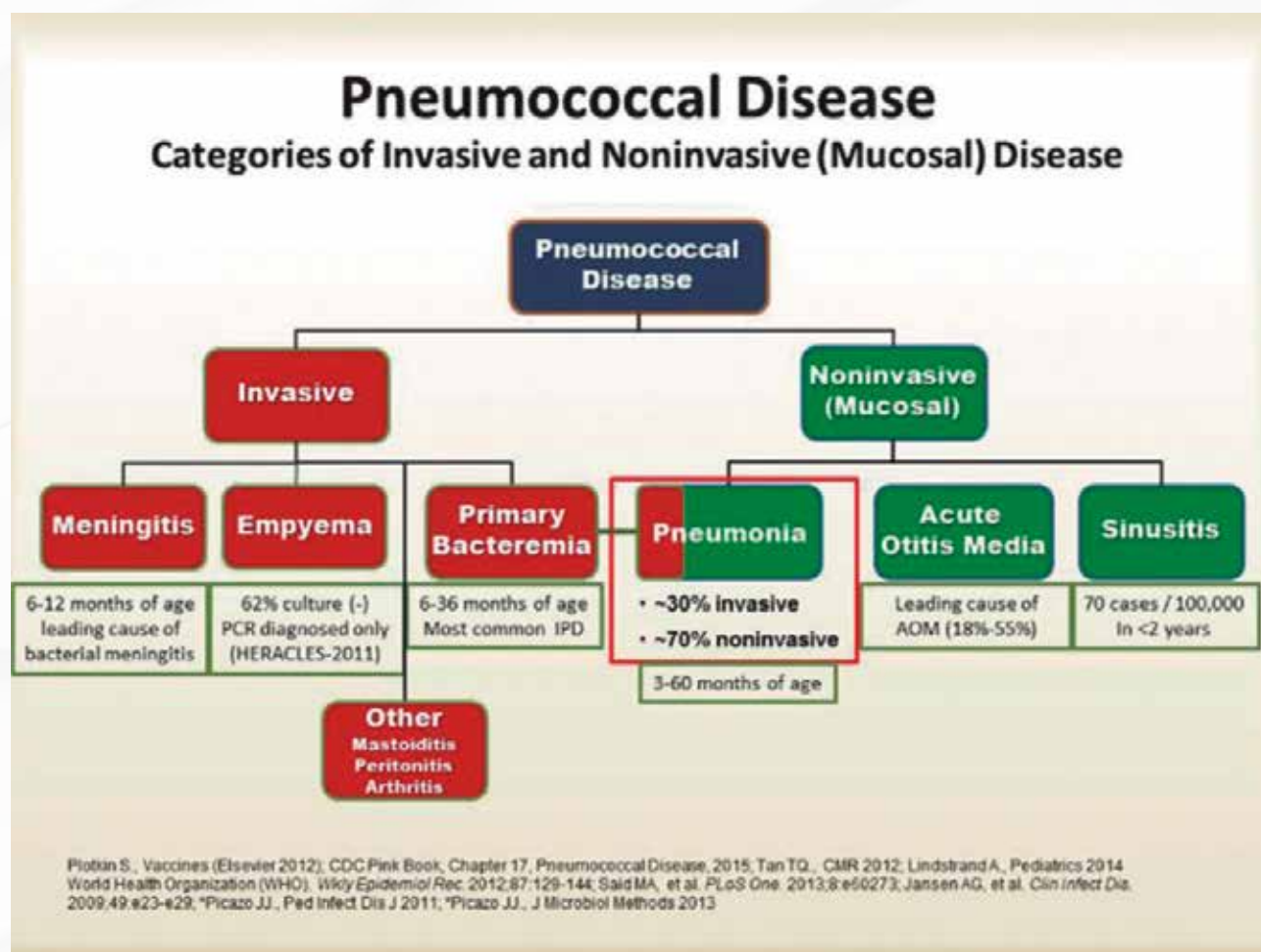
D1 (citable items)

35.80

Cumulative IF

5.97

Average IF



Selected Publications

CULEBRAS LÓPEZ, ESTHER, MARTINEZ-NOVILLO GONZALEZ, MERCEDES, Novella, Consuelo, Leon, Jose Manuel, Marcos, Esther, DELGADO-IRIBARREN GARCIA-CAMPERO, ALBERTO, Rios, Esther. Cell immunity to SARS-CoV-2 after natural infection and/or different vaccination regimens. FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY. 2024. 14. DOI: 10.3389/fcimb.2024.1370859. IF: 4,6. (Q1).

Monzon, Sara, Varona, Sarai, Negredo, Anabel, Vidal-Freire, Santiago, Patino-Galindo, Juan Angel, Ferressini-Gerpe, Natalia, Zaballós, Angel, ORVIZ GARCÍA, EVA, AYERDI AGUIRREBENGOA, OSKAR, MUÑOZ GÓMEZ, ANA, DELGADO-IRIBARREN GARCIA-CAMPERO, ALBERTO, ESTRADA PÉREZ, VICENTE, Garcia, Cristina, Molero, Francisca, Sanchez-Mora, Patricia, TORRES MOLINA, MAGDALENA, Vazquez, Ana, Galan, Juan-Carlos, Torres, Ignacio, Causse del Rio, Manuel, Merino-Diaz, Laura, Lopez, Marcos, Galar, Alicia, Cardenoso, Laura, Gutierrez, Almudena, Loras, Cristina, Escribano, Isabel, Alvarez-Argueelles, Marta E., del Rio, Leticia, Simon, Maria, Melendez, Maria Angeles, Camacho, Juan, Herrero, Laura, Jimenez, Pilar, Navarro-Rico, Maria Luisa, Jado, Isabel, Giannetti, Elaina, Kuhn, Jens H., Sanchez-Lockhart, Mariano, Di Paola, Nicholas, Kugelman, Jeffrey R., Guerra, Susana, Garcia-Sastre, Adolfo, Cuesta, Isabel, Sanchez-Seco, Maripaz P., Palacios, Gustavo. Monkeypox virus genomic accordion strategies. NATURE COMMUNICATIONS. 2024. 15(1). DOI: 10.1038/s41467-024-46949-7. IF: 14,7. (D1).

Redondo, Esther, Rivero-Calle, Irene, Mascaros, Enrique, Ocana, Daniel, Jimeno, Isabel, Gil, Angel, Linares, Manuel, Onieva-Garcia, Maria angeles, GONZÁLEZ ROMO, FERNANDO, Yuste, Jose, Martinon-Torres, Federico. Respiratory Syncytial Virus Vaccination Recommendations for Adults Aged 60 Years and Older: The NeumoExperts Prevention Group Position Paper. ARCHIVOS DE BRONCONEUMOLOGIA. 2024. 60(3):161-170. DOI: 10.1016/j.arbres.2024.01.004. IF: 8,7. (D1).

New Non Competitive Funding

CEI 24/865-E. HEPCUENTRA: DIAGNÓSTICO OPORTUNISTA DE HEPATITIS VIRALES EN PACIENTES CON TRANSAMINASAS ELEVADAS DESDE MICROBIOLOGÍA. PI: ANA ARRIBI VILELA.

CEI: 24/766-E. ESTUDIO ESPAÑA HEPATITIS DELTA DOBLE REFLEX. PI: ANA ARRIBI VILELA.

23/263E. Prevalencia de Treponema pallidum y Herpes simple virus en muestras rectales de pacientes con proctitis infecciosa en una clínica de ITS y factores de riesgo asociados a estos microorganismos en población de riesgo. PI: JORGE ALFREDO PÉREZ GARCÍA.

21/767E. Factores de riesgo asociados a resistencia antimicrobiana en microorganismos productores 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: JORGE ALFREDO PÉREZ GARCÍA.

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% FIBHCSC 50% UNIVERSIDAD ALCALÁ.

Scan me!



IIIA.8

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

Leading researcher

Ana Isabel Sánchez Fructuoso

Members

Antolina Rodríguez Moreno	Maria Ángeles Moreno de la Higuera Díaz
Arianne Sofia Aiffil Meneses	Marta Calvo Arévalo
Beatriz Rodríguez Cubillo	Nancy Daniela Valencia Morales
Clara García Carro	Natividad Calvo Romero
Elena Ruiz Ferreras	Paula Gutiérrez Sanjuán
Isabel Pérez Flores	Rocío Fernández Díaz
Jesús Delgado Domínguez-Palacios	Virginia López de la Manzanara Pérez
José Antonio Herrero Calvo	



Lines of Research

- Analyse and implement methods to improve the detection and treatment of HD vascular access dysfunction.
- Identify the most efficient techniques for anticoagulation of the HD circuit.
- Identify the best methods for the diagnosis, staging and treatment of malnutrition in HD, PD and ACKD.
- Determine the value of plasma D-Dimers in patients in ACKD and dialysis infected by SARS-CoV-2.
- TRANSPLANT UNIT: To analyse those factors that may have the greatest influence on short- and long-term graft survival.
- TRANSPLANT UNIT: To explore dialysis techniques and procedures to reduce protein-bound toxin concentrations in dialysis and ACKD patients.

Scientific production

14

Nº of papers (WoS)

64%⁽⁹⁾

% Open Access (Nº)

14

Nº of papers JCR indexed

64%⁽⁹⁾

% Citable Items (Nº)

67%⁽⁶⁾

Q1 (citable items)

22%⁽²⁾

D1 (citable items)

38.04

Cumulative IF

4.23

Average IF

Selected Publications

Rodrigo, Emilio, Quintana, Luis F., Vazquez-Sanchez, Teresa, SÁNCHEZ FRUCTUOSO, ANA ISABEL, Buxeda, Anna, Gavela, Eva, Cazorla, Juan M., Cabello, Sheila, Beneyto, Isabel, Lopez-Oliva, Maria O., Diekmann, Fritz, Gomez-Ortega, Jose M., CALVO ROMERO, NATIVIDAD, Perez-Saez, Maria J., Sancho, Asuncion, Mazuecos, Auxiliadora, Espi-Reig, Jordi, Jimenez, Carlos, Hernandez, Domingo. Tubulo-interstitial inflammation increases the risk of graft loss after the recurrence of IgA nephropathy. CLINICAL KIDNEY JOURNAL. 2024. 17(1). DOI: 10.1093/ckj/sfad259. IF: 3,9. (Q1).

Caravaca-Fontan, Fernando, Stevens, Kate, Padron, Maite, Huerta, Ana, Montomoli, Marco, Villa, Juan, Gonzalez, Fayna, Vega, Cristina, Mendoza, Manuel Lopez, Fernandez, Loreto, SHABAKA FERNANDEZ, AMIR, RODRÍGUEZ MORENO, ANTOLINA, Martin-Gomez, Adoracion, Labrador, Pedro J., Andujar, Alicia Molina, Soler, M. Carmen Prados, Martin-Penagos, Luis, Yerovi, Estefania, Zahonero, Laura Medina, De La Flor, Jose Carlos, Mon, Carmen, Ibernnon, Meritxell, Gomez, Astrid Rodriguez, Miquel, Rosa, Sierra, Milagros, Mascaros, Victoria, Luzardo, Leonella, Papasotiriou, Marios, Arroyo, David, Verdalles, Ursula, Martinez-Miguel, Patricia, Ramirez-Guerrero, Gonzalo, Pampa-Saico, Saul, Moral Berrio, Esperanza, Canga, Jose Luis Perez, Tarragon, Blanca, Gomez, Pilar Fraile, Regidor, Dabaiba, Relea, Javier, Xipell, Marc, Gomez, Cristina Andrades, Navarro, Maruja, Alvarez, Alvaro, Rivas, Begona, Quintana, Luis F., Gutierrez, Eduardo, Perez-Valdivia, Miguel Angel, Odler, Balazs, Kronbichler, Andreas, Geddes, Colin, Anders, Hans-Joachim, Floege, Juergen, Fernandez-Juarez, Gema, Praga, Manuel, Spanish Grp Study Glomerular Dis, Immunonephrology Working Grp. Sodium-glucose cotransporter 2 inhibition in primary and secondary glomerulonephritis. NEPHROLOGY DIALYSIS TRANSPLANTATION. 2024. 39(2):328-340). DOI: 10.1093/ndt/gfad175. IF: 4,8. (Q1).

Leon-Roman, Juan, Iacoboni, Gloria, Bermejo, Sheila, Carpio, Cecilia, Bolufer, Monica, GARCÍA CARRO, CLARA, Sanchez-Salinas, Mario, Alonso-Martinez, Carla, Bestard, Oriol, Barba, Pere, Soler, Maria Jose. Transient acute kidney injury after chimeric antigen receptor T-cell therapy in patients with hematological malignancies. CLINICAL KIDNEY JOURNAL. 2024. 17(3). DOI: 10.1093/ckj/sfae027. IF: 3,9. (Q1).

New Competitive Funding

BRC.P01.IR.24. Programa Investigación Responsable 2024: Adecuación de las decisiones médicas a las preferencias de los pacientes a través de la implementación de cuidados paliativos y psicoemocionales en la unidad de trasplante renal. PI: BEATRIZ RODRÍGUEZ CUBILLO.

New Non Competitive Funding

ECL.24/095. HUMANIZACIÓN DE LA UNIDAD DE TRASPLANTE RENAL. PI: BEATRIZ RODRÍGUEZ CUBILLO.

ECL.24/101. ESTUDIO DE FASE 3, ALEATORIZADO, DOBLE CIEGO, CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA Y SEGURIDAD DE RAVULIZUMAB EN PARTICIPANTES ADULTOS CON NEFROPATÍA POR INMUNOGLOBULINA A (IGAN). PI: ANTOLINA RODRÍGUEZ MORENO."

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IIIA.9

Infectious Diseases

Leading researchers

Vicente Estrada Pérez Jorge del Romero Guerrero

Members

África Ndong Bindang	María del Juncal Pérez-Somarriba Moreno
Ana Muñoz Gómez	María Ferreras Forcada
Carolina Olmos Mata	María José Nuñez Orantos
Eva Orviz García	Noemí Cabello Clotet
Félix Moreno Barahona	Olivia De La Calle Jiménez
Fernanda Andrade Meira Gaspar	Oskar Ayerdi Aguirrebengoa
Javier Gutierrez Corral	Santiago Fernández Castela
Javier Rodríguez Añover	Sergio Sabogal Alvis
José Reynaldo Homen Fernández	Valeria Cabral Sousa
Julia Barrado Cuchillo	Virginia Victor Palomares



Lines of Research

- Comorbidities associated with HIV infection.
- HIV reservoirs.
- Clinical studies in people with HIV on treatment.
- Intestinal microbiota.
- Respiratory infections requiring hospitalisation (IRH).
- Studies in general infectious diseases.

Sandoval Health Centre.

- Prevention of sexually transmitted infections.
- Epidemiological studies on sexually transmitted infections.
- New therapies for the treatment of sexually transmitted infections and other genital pathologies.
- Preventive and reproductive counselling in HIV serodiscordant couples.
- Socio-demographic, clinical and behavioural characteristics associated with emerging sexually transmitted infections.

Scientific production

44

Nº of papers (WoS)

52% (23)

% Open Access (Nº)

41

Nº of papers JCR indexed

71% (29)

% Citable Items (Nº)

59% (17)

Q1 (citable items)

24% (7)

D1 (citable items)

137.01

Cumulative IF

4.72

Average IF

Selected Publications

Monzon, Sara, Varona, Sarai, Negredo, Anabel, Vidal-Freire, Santiago, Patino-Galindo, Juan Angel, Ferressini-Gerpe, Natalia, Zaballos, Angel, ORVIZ GARCÍA, EVA, AYERDI AGUIRREBENGOA, OSKAR, MUÑOZ GÓMEZ, ANA, DELGADO-IRIBARREN GARCIA-CAMPERO, ALBERTO, ESTRADA PÉREZ, VICENTE, Garcia, Cristina, Molero, Francisca, Sanchez-Mora, Patricia, TORRES MOLINA, MAGDALENA, Vazquez, Ana, Galan, Juan-Carlos, Torres, Ignacio, Causse del Rio, Manuel, Merino-Diaz, Laura, Lopez, Marcos, Galar, Alicia, Cardenoso, Laura, Gutierrez, Al-mudena, Loras, Cristina, Escribano, Isabel, Alvarez-Argueelles, Marta E., del Rio, Leticia, Simon, Maria, Melendez, Maria Angeles, Camacho, Juan, Herrero, Laura, Jimenez, Pilar, Navarro-Rico, Maria Luisa, Jado, Isabel, Giannetti, Elaina, Kuhn, Jens H., Sanchez-Lockhart, Mariano, Di Paola, Nicholas, Kugelman, Jeffrey R., Guerra, Susana, Garcia-Sastre, Adolfo, Cuesta, Isabel, Sanchez-Seco, Maripaz P., Palacios, Gustavo. Monkeypox virus genomic accordion strategies. NATURE COMMUNICATIONS. 2024. 15(1). DOI: 10.1038/s41467-024-46949-7. IF: 14,7. (D1).

Corma-Gomez, Anais, Cabello, Alfonso, ORVIZ GARCÍA, EVA, Morante-Ruiz, Miguel, AYERDI AGUIRREBENGOA, OSKAR, Al-Hayani, Aws, MUÑOZ GÓMEZ, ANA, De Los Santos, Ignacio, Gomez-Ayerbe, Cristina, Rodrigo, David, Riestra, Sandra De la Rosa, Reus-Banuls, Sergio, Silva-Klug, Ana, Galindo, Maria Jose, Santos, Marta, Serrano-Fuentes, Miriam, Faro-Miguez, Naya, Perez-Camacho, Ines, Corona-Mata, Diana, Morano, Luis, Lopez-Ruz, Miguel Angel, Montero, Marta, Anaya-Baz, Blanca, Merino, Dolores, Castillo-Navarro, Antonia, Pineda, Juan A., Macias, Juan. Long or complicated mpox in patients with uncontrolled HIV infection. JOURNAL OF MEDICAL VIROLOGY. 2024. 96(3). DOI: 10.1002/jmv.29511. IF: 6,8. (D1).

Landete, Pedro, Caliman-Sturdza, Olga-Adriana, Lopez-Martin, Jose A., Preotescu, Liliana, Luca, Mihaela-Catalina, Kotanidou, Anastasia, Villares, Paula, Iglesias, Shirley-Patricia, Guisado-Vasco, Pablo, Saiz-Lou, Elena-Maria, Farinas-Alvarez, Maria del Carmen, de Lucas, Esperanza Merino, Perez-Alba, Eduardo, Cisneros, Jose-Miguel, ESTRADA PÉREZ, VICENTE, Hidalgo-Tenorio, Carmen, Poulakou, Garyfallia, Torralba, Miguel, Fortun, Jesus, Garcia-Ocana, Paula, Lemaigen, Adrien, Marcos-Martin, Miguel, Molina, Maria, Paredes, Roger, Perez-Rodriguez, Maria Teresa, Raev, Dimitar, Ryan, Pablo, Meira, Fernanda, Gomez, Javier, Torres, Nadia, Lopez-Mendoza, Diego, Jimeno, Jose, Varona, Jose-Felipe. A Phase III Randomized Controlled Trial of Plitidepsin, a Marine-Derived Compound, in Hospitalized Adults With Moderate COVID-19. CLINICAL INFECTIOUS DISEASES. 2024. 79(4):910-919. DOI: 10.1093/cid/ciae227. IF: 8,2. (D1).

Awards

Researcher aware: Ana Muñoz Gomez. Award: I Premio Científico HCSC 2024.

Researcher aware: Vicente Estrada Pérez. Award: Premio Científico Canal 33 TV Madrid.

New Competitive Funding

PI23/01545. La microbiota rectal como factor asociado a vulnerabilidad a las infecciones de transmisión sexual de repetición. Estudio Microsex. PI: VICENTE ESTRADA PÉREZ.

New Non Competitive Funding

VEP.M03GIL. Financiación del proyecto “ESTRATEGIA DE BUSQUEDA DE PACIENTES CON DIAGNÓSTICO DE HEPATITIS C “PERDIDOS” EN EL SISTEMA. ESTABLECIMIENTO DE PROTOCOLO DE IDENTIFICACIÓN Y CONTACTO DE ESTOS PACIENTES (código CEIm 24/470-E). PI: VICENTE ESTRADA PÉREZ.

ECL.23/723. ESTUDIO ALEATORIZADO, DOBLE CIEGO (ABIERTO PARA EL PROMOTOR), CONTROLADO CON PLACEBO, PARA INVESTIGAR EL EFECTO ANTIVIRAL, LA SEGURIDAD, LA TOLERABILIDAD Y LA FARMACOCINÉTICA DE VH4524184 EN ADULTOS CON VIH-1 QUE NO HAYAN RECIBIDO TRATAMIENTO PREVIO. PI: VICENTE ESTRADA PÉREZ.

ECL.23/620. ESTUDIO EN FASE IV CON DISEÑO DE PRUEBA NEGATIVA PARA EVALUAR LA EFICACIA DE UNA VACUNA CONJUGADA ANTINEUMOCÓCICA 20-VALENTE CONTRA LA NEUMONÍA ADQUIRIDA EN LA COMUNIDAD CAUSADA POR SEROTIPOS VACUNALES CONFIRMADA RADIOLÓGICAMENTE EN ADULTOS ≥65 AÑOS. PI: VICENTE ESTRADA PÉREZ.

ECL.24/020. LA MICROBIOTA RECTAL COMO FACTOR ASOCIADO A VULNERABILIDAD A LAS INFECCIONES DE TRANSMISIÓN SEXUAL DE REPETICIÓN. PI: VICENTE ESTRADA PÉREZ.

ECL.24/352. MORBILIDAD, MORTALIDAD Y FACTORES DE RIESGO DE MPOX EN ASISTENTES A CLÍNICAS DE SALUD SEXUAL DE ALTO RIESGO Y VIH NEGATIVOS Y PERSONAS QUE VIVEN CON EL VIH - ESTUDIO MASH-1. PI: VICENTE ESTRADA PÉREZ.

ECL.24/520. ESTUDIO DE FASE 3B, ABIERTO, ALEATORIZADO, CONTROLADO CON TRATAMIENTO ESTÁNDAR, MULTICÉNTRICO, DE SUPERIORIDAD PARA EVALUAR LA EFICACIA, LA SEGURIDAD Y LA TOLERABILIDAD DE CAB AP + RPV AP INYECTABLE EN PARTICIPANTES VIRÉMICOS QUE VIVEN CON VIH-1. PI: VICENTE ESTRADA PÉREZ.”

ECL.23/253. EFICACIA DE UN PROBIÓTICO EN LOS TRASTORNOS FUNCIONALES DIGESTIVOS EN NIÑOS Y ADOLESCENTES. PI: ANDRÉS BODAS PINEDO.

ECL.15/222. ESTUDIO TRANSVERSAL DE LA COINFECCIÓN VIH - VHC EN ESPAÑA - Estudio GESIDA 8514. PI: NOEMI CABELLO CLOTET.

ECL.24/390. PREVALENCE OF HDV AMONG HIV/HBV COINFECTED PATIENTS IN SPAIN. PI: MARIA DEL JUNCAL PEREZ-SOMARRIBA MORENO.

ECL.23/391. ESTUDIO DE EXTENSIÓN A LARGO PLAZO, ABIERTO (CON ENMASCARAMIENTO DE LA DOSIS), DE EPTINEZUMAB EN NIÑOS Y ADOLESCENTES CON MIGRAÑA CRÓNICA O EPISÓDICA. PI: ADRIAN GARCIA RON.

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IIIA.12

Immunology

Leading researchers

Silvia Sánchez Ramón

Miguel Fernández Arquerio

Members

Alberto Varas Fajardo

Jaris Valencia Mahon

Ana Sarnago Gonzalo

Juliana Lucía Ochoa Grullón

Ángeles Matey Martín

Kissy Annet María Guevara Hoyer

Ángeles Vicente López

Laura García Reguero

Blanca García Solís

Leticia Martín de la Cruz

Carmen Izquierdo Delgado

Lidia Martínez Fernández De Sevilla

Cristina Benito Villalvilla

María Guzmán Fulgencio

Daniel Tovar Manzano

Natalia Rodríguez Vicente

Eduardo de la Fuente Muñoz

Oscar Palomares Gracia

Eva Jiménez Pérez

Pilar Bárbara Alonso Arenilla

Gustavo Esteban Cordero Torres

Rosa María Sacedón Ayuso

Jacobo Lopez-Abente Muñoz

Teresa Guerra Galán



Lines of Research

- Immunoregulation in autoimmune diseases
Reproductive immunology: study of diagnostic and predictive biomarkers in recurrent gestational failure.
- Development of immunotherapy strategies
Primary and secondary immunodeficiencies.
- Evaluation of specific immune response. Immunomonitoring.
- Research into new vaccines.
- Mechanisms of action of immunoglobulins and immunomodulatory drugs
- Optimisation of personalised diagnosis of coeliac disease
Identification of genetic biomarkers associated with autoimmune diseases and study of their mechanistic basis in the development of the disease.

Scientific production

27

Nº of papers (WoS)

41% (11)

% Open Access (Nº)

25

Nº of papers JCR indexed

44% (11)

% Citable Items (Nº)

100% (11)

Q1 (citable items)

9% (1)

D1 (citable items)

61.50

Cumulative IF

5.59

Average IF

Selected Publications

GIL LABORDA, RAQUEL, RODRIGUEZ DE FRIAS, EDGARD ALFONSO, SUBHI-ISSA MARÍN, NABIL ALBERTO, de Albornoz, Elena Carrillo, Melia, Elena, Ordenes, Marcos, Verdu, Victoria, Vidal, Juan, Suarez, Esther, Santillan, Isabel, Ordonez, Daniel, Pintado-Vera, David, Gonzalez Villafanez, Victoria, Lorenzo, Angel, Farinas, Manuel, Rodriguez-Paino, Mario, NÚÑEZ BELTRÁN, MARÍA, Garcia Segovia, Aurea, del Olmo, Ainhoa, Martin Canadas, Fernando, Daurelio, Rosa, de la Fuente, Alfonso, Gonzalez Casbas, Jose Manuel, Cabezuelo, Vega, Ros Ber-ruezo, Francisco, Moreno Hidalgo, Miguel angel, Iniesta, Silvia, Bueno, Beatriz, Martinez Acera, Alvaro, Izquierdo, Alexandra, Vicario, Jose Luis, FERNÁNDEZ ARQUERO, MIGUEL, SÁNCHEZ RAMÓN, SILVIA. Cen-tromeric AA motif in KIR as an optimal surrogate marker for precision definition of alloimmune reproductive failure. SCIENTIFIC REPORTS. 2024. 14(1). DOI: 10.1038/s41598-024-53766-x. IF: 3,8. (Q1).

GUERRA GALAN, TERESA, PALACIOS ORTEGA, MARIA, Jimenez-Huete, Adolfo, GUEVARA HOYER, KISSY ANNET MARÍA, CÁRDENAS FERNÁN-DEZ, MARÍA CRUZ, VILLEGAS MENDIOLA, ÁNGELA, MANSILLA RUIZ, MARÍA DOLORES, SUBHI-ISSA MARÍN, NABIL ALBERTO, DE LA FUENTE MUÑOZ, EDUARDO, Requejo, Pedro Mikel, RODRÍGUEZ DE LA PEÑA, ANTONIA, GUZMÁN FULGENCIO, MARÍA, FERNÁNDEZ ARQUERO, MIGUEL, de Diego, Rebeca Perez, SÁNCHEZ RAMÓN, SILVIA. An Ex-ploratory Approach of Clinically Useful Biomarkers of Cvid by Logistic Regression. JOURNAL OF CLINICAL IMMUNOLOGY. 2024. 44(6). DOI: 10.1007/s10875-024-01746-1. IF: 7,2. (Q1).

DE LA FUENTE MUÑOZ, EDUARDO, FERNÁNDEZ ARQUERO, MIGUEL, Subbhi-Issa, Nabil, GUEVARA HOYER, KISSY ANNET MARÍA, Su-arez, Lydía Pilar, GIL LABORDA, RAQUEL, Sanchez, Marina, OCHOA GRULLON, JULIANA LUCIA, GUZMÁN FULGENCIO, MARÍA, VILLEGAS MARTÍNEZ, ANA, Mansilla, Maria Dolores, Perez, Noelia, SAVIRÓN CORNUDELLA, RICARDO, GASTAÑAGA HOLGUERA, TERESA, CALVO URRUTIA, MARTA, CRISTOBAL GARCÍA, IGNACIO, SÁNCHEZ RAMÓN, SILVIA. Recurrent reproductive failure and celiac genetic susceptibil-ity, a leading role of gluten. FRONTIERS IN IMMUNOLOGY. 2024. 15. DOI: 10.3389/fimmu.2024.1451552. IF: 5,7. (Q1).

New Competitive Funding

PEJ-2023-AI/SAL-GL-27324. Ayudas para contratación de Ayudantes de Investigación y Técnicos de Laboratorio 2023. PI: SILVIA SÁNCHEZ RAMÓN; KISSY ANNET MARÍA GUEVARA HOYER.

PI23/00709. Modelo de inteligencia artificial y secuenciación de nueva generación para la identificación del fallo reproductivo recurrente in-flamatorio. PI: SILVIA SÁNCHEZ RAMÓN.

New Non Competitive Funding

ECL.23/298. MODELO DE INTELIGENCIA Y SECUENCIACIÓN DE PRÓXI-MA GENERACIÓN PARA LA IDENTIFICACIÓN DEL FALLO REPRODUCTIVO RECURRENTE INFLAMATORIO. ARTIFICIAL INTELLIGENCE MODEL AND NEXT-GENERATION SEQUENCING FOR THE IDENTIFICATION OF INFLAMMATORY RECURRENT GESTATIONAL FAILURE. PI: SILVIA SÁN-CHEZ RAMÓN.

ECL.23/502. ARTIFICIAL INTELLIGENCE MODEL FOR SIGNATURE PRO-FILE OF SECONDARY IMMUNODEFICIENCY TO B-CELL LYMPHOPRO-LIFERATIVE DISORDERS FOR EARLY DIAGNOSIS AND TAILORED THER-APIES. PI: SILVIA SÁNCHEZ RAMÓN.

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NEUROSCIENCE

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 Neurotransmission and Neuromodulation
- NEC.18 Research in Glaucoma, Retina and Visual Pathways
- NEC.22 Pathophysiology and INA Neurological Therapeutics (NEURO-INA-IN)

Annual Goals

Leading researcher	
Strengthen the visibility of scientific activity among groups	Completed
Increase synergies between groups in the area	Completed
Promote the involvement of residents	On going

Selected 5 publications

Bartolome, Ruben A., Pintado-Berninches, Laura, Martin-Regalado, Angela, Robles, Javier, Calvo-Lopez, Tania, Ortega-Zapero, Marina, LLORENTE SÁEZ, CELIA, Boukich, Issam, FERNANDEZ ACEÑERO, MARÍA JESUS, Casal, J. Ignacio. A complex of cadherin 17 with desmocollin 1 and p120-catenin regulates colorectal cancer migration and invasion according to the cell phenotype. JOURNAL OF EXPERIMENTAL & CLINICAL CANCER RESEARCH. 2024. 43(1). DOI: 10.1186/s13046-024-02956-6. IF: 11.4. (D1).

Monzon, Sara, Varona, Sarai, Negredo, Anabel, Vidal-Freire, Santiago, Patiño-Galindo, Juan Angel, Ferressini-Gerpe, Natalia, Zaballos, Angel, ORVIZ GARCÍA, EVA, AYERDI AGUIRREBENGOA, OSKAR, MUÑOZ GÓMEZ, ANA, DELGADO-IRIBARREN GARCIA-CAMPERO, ALBERTO, ESTRADA PÉREZ, VICENTE, García, Cristina, Molero, Francisca, Sanchez-Mora, Patricia, TORRES MOLINA, MAGDALENA, Vazquez, Ana, Galan, Juan-Carlos, Torres, Ignacio, Causse del Rio, Manuel, Merino-Díaz, Laura, Lopez, Marcos, Galar, Alicia, Cardenoso, Laura, Gutierrez, Almudena, Loras, Cristina, Escribano, Isabel, Alvarez-Argueelles, Marta E., del Rio, Leticia, Simon, Maria, Melendez, Maria Angeles, Camacho, Juan, Herrero, Laura, Jimenez, Pilar, Navarro-Rico, Maria Luisa, Jado, Isabel, Giannetti, Elaina, Kuhn, Jens H., Sanchez-Lockhart, Mariano, Di Paola, Nicholas, Kugelman, Jeffrey R., Guerra, Susana, Garcia-Sastre, Adolfo, Cuesta, Isabel, Sanchez-Seco, Maripaz P., Palacios, Gustavo. Monkeypox virus genomic accordion strategies. NATURE COMMUNICATIONS. 2024. 15(1). DOI: 10.1038/s41467-024-46949-7. IF: 14.7. (D1).

Volkmer, Anna, Alves, Emily Viegas, Bar-Zeev, Hagit, Barbieri, Elena, Battista, Petronilla, Beales, Ashleigh, Beber, Barbara Costa, Brotherhood, Emilie, Cadorio, Ines Ribeiro, Carthery-Goulart, Maria Teresa, Cartwright, Jade, Crutch, Sebastian, Croot, Karen, Freitas, Maria Isabel d'Avila, Gallee, Jeanne, Grasso, Stephanie M., Haley, Katarina, Hendriksen, Heleen, Henderson, Shalom, Jiskoot, Lize, Almeida, Isabel Junqueira, Kindell, Jackie, Kingma, Rachel, Kwan-Chen, Lorinda L. Y., Lavoie, Monica, Lifshitz-Ben-Basat, Adi, Jokel, Regina, Mahut-Dubos, Aurore, MATÍAS-GUÍU ANTEM, JORDI, et., Hardy, Chris J. D.. An international core outcome set for primary progressive aphasia (COS-PPA): Consensus-based recommendations for communication interventions across research and clinical settings. ALZHEIMERS & DEMENTIA. 2024. 21(1). DOI: 10.1002/alz.14362. IF: 13. (D1).

Nuytemans, Karen, Franzen, Sanne, Broce, Iris J., Caramelli, Paulo, Ellajosyula, Ratnavalli, Finger, Elizabeth, Gupta, Veer, Gupta, Vivek, Illan-Gala, Ignacio, Loi, Samantha M., Morhardt, Darby, Pijnenburg, Yolande, Rascovsky, Katya, Williams, Monique M., Yokoyama, Jennifer S., Acosta-Urbe, Juliana, Akinyemi, Rufus, Alladi, Suvarna, Ayele, Biniyam A., Ayhan, Yavuz, Bourdage, Renelle, Castro-Suarez, Sheila, de Souza, Leonardo Cruz, Dacks, Penny, de Boer, Sterre C. M., de Leon, Jessica, Dodge, Shana, Grasso, Stephanie, Ghoshal, Nupur, Kamath, Vidyulata, Kumfor, Fiona, MATÍAS-GUÍU ANTEM, JORDI, Narme, Pauline, Nielsen, T. Rune, Okhuevbie, Daniel, Pina-Escudero, Stefanie, Ruiz-Garcia, Ramiro, Ryan, Brigid, Scarioni, Marta, Slachevsky, Andrea, Suarez-Gonzalez, Aida, Tee, Boon Lead, Tsoy, Elena, Ulugut, Hulya, Onyike, Chiadi U., Babulal, Ganesh M.. Gaps in biomedical research in frontotemporal dementia: A call for diversity and disparities focused research. ALZHEIMERS & DEMENTIA. 2024. 20(12):9014-9036. DOI: 10.1002/alz.14312. IF: 13. (D1).

Ardanaz, Carlos G., de la Cruz, Aida, Minhas, Paras S., HERNÁNDEZ MARTÍN, NIRA, POZO GARCÍA, MIGUEL ANGEL, Valdecantos, M. Pilar, Valverde, Angela M., Villa-Valverde, Palmira, Elizalde-Horcada, Marcos, Puerta, Elena, Ramirez, Maria J., Ortega, Jorge E., Urbiola, Ainhoa, Ederra, Cristina, Ariz, Mikel, Ortiz-de-Solorzano, Carlos, Fernandez-Irigoyen, Joaquin, Santamaria, Enrique, Karsenty, Gerard, Bruning, Jens C., Solas, Maite. Astrocytic GLUT1 reduction paradoxically improves central and peripheral glucose homeostasis. ScienceAdvances. 2024. 10(42). DOI: 10.1126/sciadv.adp1115. IF: 11.7. (D1).

NEC.1

Clinical and Neurobiological Research in Psychiatry and Mental Health

Leading researchers

Blanca Reneses Prieto

David Fraguas Herraiz

Members

Alexandra Becedas López

Luis Olivares Gerechter

Anna Aguilar Palacios

M^a Del Rosario Pérez Moreno

Beatriz Serván Rendon-Luna

M^a Isabel Ramos García

Diego Figuera Álvarez

María Dolores Saiz González

Gema (Ciber) Bravo Aguilar

María Inés López-Ibor Alcocer

Idir Mensian Perez

María Luisa Zamarro Arranz

Isabel María Argudo Carpel

Mercedes Saz Rojas

Julia García-Albea Martín

Nuria Tur Salamanca

Julia Sevilla Llewellyn-Jones

Rosa María Molina Ruiz

Laura Furest Caravante

Silvia Oliván Torres

Laura Oca Bravo

Soledad Pérez-Fadón Llamazares

Lucía Gallego Deike

ciber | SAM



Lines of Research

- Identification of clinical and functional trajectories in children and adolescents seen in psychiatric and clinical psychology mental health consultations.
- Identification of clinical and functional trajectories in adults seen in psychiatric and clinical psychology mental health clinics.
- Identification and detection of factors related to the prognosis of mental disorders and neurodevelopmental disorders.
- Involvement of inflammatory processes in the development and prognosis of mental and neurodevelopmental disorders.
- Identification of therapeutic targets related to inflammatory processes in people with mental disorders or neurodevelopmental disorders.
- Risk and protective factors of schizophrenia and other psychoses, especially first psychotic episode.
- Study of staging as a paradigm of prevention, progress and treatment of mental disorders.
- National cohort of people with first psychotic episode.

Scientific production

16

Nº of papers (WoS)

69% (11)

% Open Access (Nº)

15

Nº of papers JCR indexed

67% (10)

% Citable Items (Nº)

40% (4)

Q1 (citable items)

20% (2)

D1 (citable items)

46.81

Cumulative IF

4.68

Average IF

Selected Publications

Abregu-Crespo, Renzo, Garriz-Luis, Alexandra, Ayora, Miriam, Martin-Martinez, Nuria, Cavone, Vito, Carrasco, Miguel Angel, FRAGUAS HERRAEZ, DAVID, Martin-Babarro, Javier, Arango, Celso, Diaz-Caneja, Covadonga M. School bullying in children and adolescents with neurodevelopmental and psychiatric conditions: a systematic review and meta-analysis. LANCET CHILD & ADOLESCENT HEALTH. 2024. 8(2):122-134. DOI: 10.1016/S2352-4642(23)00289-4. IF: 19,9. (D1).

Varaona, Andrea, Alvarez-Mon, Miguel Angel, SERRANO GARCÍA, IRENE, DÍAZ MARSÁ, MARINA FRANCISCA, Looi, Jeffrey C. L., MOLINA RUÍZ, ROSA MARÍA. Exploring the Relationship Between Instagram Use and Self-Criticism, Self-Compassion, and Body Dissatisfaction in the Spanish Population: Observational Study. JOURNAL OF MEDICAL INTERNET RESEARCH. 2024. 26. DOI: 10.2196/51957. IF: 5,8. (D1).

RAMOS GARCÍA, M^a ISABEL, BERZOSA SANCHEZ, ARANTXA, CRISTOBAL GARCÍA, IGNACIO, Franco, Asuncion Diaz, Vera, Inmaculada Jarrin, Tato, Luis Prieto, Rodriguez, Rosa Polo, Gomez, Ma Luisa Navarro, RAMOS AMADOR, JOSE TOMAS, Grp Trabajo Cohorte Nacl Mujeres Embarazadas Viven VIH & Hijos Espana. Experience of the national cohort of pregnant women with HIV and their children in SPAIN: temporal trends in vertical transmission of HIV and associated infections. ANALES DE PEDIATRIA. 2024. 101(4):249-257. DOI: 10.1016/j.anpedi.2024.07.006. IF: 1,313. (Q3).

Doctoral Theses

Candidate: MIRIAN AYORA RODRÍGUEZ. Thesis title: ESTUDIO DE LOS CAMBIOS EN LA LONGITUD DE LOS TELÓMEROS EN LOS PACIENTES CON UN PRIMER EPISODIO PSICÓTICO. Director(s): DAVID FRAGUAS HERRÁEZ; CELSO ARANGO LÓPEZ. University: Universidad Complutense de Madrid.

New Non Competitive Funding

PI23/00211. Hacia una intervención estratificada en psiquiatría: Predicción de trayectorias de riesgo y resiliencia para la salud mental en una muestra transdiagnóstica de jóvenes (proyecto PREMY). PI: DAVID FRAGUAS HERRÁEZ.

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NEC.2

Advanced Research in Personality Disorders, Aggression and Impulse Control

Leading researchers

José Luis Carrasco Perera

Marina Francisca Díaz Marsá

Members

Alejandra Gálvez Merlín

Noelia Fuentes García

Ana Montes Montero

Pablo Mola Cárdenes

Andrés Pemau Gurumeta

Patricia Díaz Carracedo

Beatriz Marcos Díaz

Patricia Gómez Merino

Irene De La Vega Rodríguez

Pilar De La Higuera González

José Manuel López Villatoro

Rafael Fernández García-Andrade

María Dolores Morón Nozaleda

Sara González Vives

Miguel Yus Fuertes

Verónica Fernández Rodríguez




PLATAFORMA NACIONAL
PARA EL ESTUDIO Y LA
PREVENCIÓN DEL SUICIDIO



Lines of Research

- Study of biochemical indicators associated with impulsive personality disorder and impulse control disorders.
- Study of psychobiological subtyping of borderline personality disorder by means of psychological and neuropsychological characterisation.
- Study of factors associated with neurodevelopment in personality disorders.
- Brain imaging of emotional response in borderline personality disorder.
- Study of brain dysfunctions in eating disorders using functional neuroimaging in response to specific stimuli.
- Research into new pharmacological and psychological therapies in borderline personality disorder.
- Study of the efficacy of neurocognitive rehabilitation in borderline personality disorder.

Scientific production

24

Nº of papers
(WoS)

58% (14)

% Open
Access (Nº)

21

Nº of papers
JCR indexed

86% (18)

% Citable
Items (Nº)

83% (15)

Q1 (citable items)

17% (3)

D1 (citable items)

74.70

Cumulative IF

4.15

Average IF

Selected Publications

LÓPEZ VILLATORO, JOSÉ MANUEL, De la Torre-Luque, A., MacDowella, K. S., Galvez-Merlind, A., del Barrio, A. Gomez, Beato-Fernandez, L., Ruiz-Guerrero, F., Mola-Cardenes, P., Polo-Montes, F., Leon-Velasco, M., Castro-Fuentes, L., Leza, J. C., CARRASCO PERERA, JOSÉ LUIS, DÍAZ MARSÁ, MARINA. Transdiagnostic inflammatory and oxidative biomarkers with predictive capacity of self-injurious behavior in impulsive and unstable disorders. PROGRESS IN NEURO-PSYCHOPHARMACOLOGY & BIOLOGICAL PSYCHIATRY. 2024. 130. DOI: 10.1016/j.pnpbp.2023.110927. IF: 5,3. (D1).

GÁLVEZ MERLÍN, ALEJANDRA, LÓPEZ VILLATORO, JOSÉ MANUEL, DE LA HIGUERA GONZÁLEZ, PILAR, DE LA TORRE LUQUE, ALEJANDRO, McDowell, Karina, DÍAZ MARSÁ, MARINA FRANCISCA, Leza, Juan C., CARRASCO PERERA, JOSÉ LUIS. Decreased oxytocin levels related to social cognition impairment in borderline personality disorder. Acta Psychiatrica Scandinavica. 2024. 149(6):458-466). DOI: 10.1111/acps.13679. IF: 5,3. (Q1).

LÓPEZ VILLATORO, JOSÉ MANUEL, DÍAZ MARSÁ, MARINA FRANCISCA, AYAD AHMED, WALA, Rico-Perez, A., Perez-Diez, I., GÁLVEZ MERLÍN, ALEJANDRA, PRITTWITZ SANZ, CLARA ULRIKE, CARRASCO PERERA, JOSÉ LUIS. A Cluster Analysis of Neuropsychological Impairment in Borderline Personality Disorder: Identifying a Neurocognitive Subtype Linked to Attention Deficit Hyperactivity Disorder. CLINICAL PSYCHOLOGY & PSYCHOTHERAPY. 2024. 31(3). DOI: 10.1002/cpp.2979. IF: 3,2. (Q1).

Awards

Researcher aware: Beatriz Marcos Diaz, Noelia Fuentes Garcia, Sandra Diaz Gonzalez, Elena Valkov Lorenzo, Alejandra Galvez Merlin, Jose Manuel Lopez Villatoro y José Luis Carrasco Perera. Award: Premio Mejor Proyecto de Investigación - FORO DE PSIQUIATRÍA 2024. Awarded work: Relación entre la vivencia de situaciones traumáticas infantiles y el trastorno dependiente en personas con trastorno límite de la personalidad.

Researcher aware: Andrés Pemau. Award: Mejor trabajo presentado - PhDay Episam. Awarded work: Redes sintomáticas aplicadas al estudio de la conducta suicida.

115

Mobility of Researchers

Researcher: Alejandra Galvez Merlin. Destination country: Alemania. Center: Universidad de Heidelberg. Date of arrival: 01/04/2024. Date of departure: 29/06/2024.

Researcher: Andrés Pemau. Destination country: Escocia (Reino Unido). Center: Universidad de Glasgow. Date of arrival: 01/06/2024. Date of departure: 31/08/2024.

Researcher: Pilar De La Higuera Gonzalez. Destination country: Londres (Reino Unido). Center: University of London. Date of arrival: 01/02/2024. Date of departure: 31/05/2024.

New Competitive Funding

PIPF-2023/SAL-GL-30377. Contratación de personal investigador predoctoral en formación 2023 - Noelia Fuentes García. PI: JOSÉ LUIS CARRASCO PERERA.

PI23/00707. SURVIVE 2: Un estudio de cohorte extendida para investigar la conducta suicida en España y la eficacia de estrategias de prevención secundaria. PI: MARINA FRANCISCA DÍAZ MARSÁ.

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NEC.3

Psychoneuroendocrinology, Molecular Neuroimaging and Genetics in Neuropsychiatric Diseases

Leading researcher

Fernando Maestu Unturbe

Members

Ana María López Sobaler

María Eugenia López García

Aranzazu Aparicio Vizuet

María Luisa Delgado Losada

Rosa María Ortega Anta

Pablo Cuesta Prieto

Jaime Gómez Ramírez

Ramón López-Higes Sánchez

Javier Pacios García

Ricardo Bruña Fernández

Laura María Bermejo López

Lines of Research

- Study of biological bases and genetic susceptibility of neuropsychiatric diseases based on endo-phenotypes measurable by neuroendocrine, neurophysiological, psychological and neuroimaging tests.
- Study of the influence of stress on the emergence and evolution of mental disorders.
- Genetic, cognitive and neuroimaging markers of the evolution of Mild Cognitive Impairment to Dementia.
- Study of the evolution of neuropsychological profiles in people at high risk of suffering Alzheimer's disease
- Analysis of electrophysiological recordings, reconstruction of sources, and functional connectivity measurements in healthy ageing, mild cognitive impairment, Alzheimer's type dementia, and regression throughout the different stages of this disease.
- Neuropsychological affectation and brain connectivity using EEG and MRI-dti post-COVID-19.
- Study of the cognitive mechanisms involved in memory and forgetting during healthy ageing and cognitive deterioration.

Scientific production

20

Nº of papers (WoS)

80% (16)

% Open Access (Nº)

15

Nº of papers JCR indexed

100% (15)

% Citable Items (Nº)

73% (11)

Q1 (citable items)

13% (2)

D1 (citable items)

81.46

Cumulative IF

4.29

Average IF

Selected Publications

FERNÁNDEZ LUCAS, ALBERTO, CUESTA PRIETO, PABLO, MARCOS DOLADO, ALBERTO, Montenegro-Pena, Mercedes, YUS FUERTES, MIGUEL, Rodríguez-Rojo, Inmaculada Concepcion, BRUÑA FERNANDEZ, RICARDO, MAESTU UNTURBE, FERNANDO, LOPEZ GARCIA, MARIA EUGENIA. Sex differences in the progression to Alzheimer's disease: a combination of functional and structural markers. *GeroScience*. 2024. 46(2):2619-2640. DOI: 10.1007/s11357-023-01020-z. IF: 5,3. (Q1).

Trabado-Fernandez, Alfredo, Garcia-Colomo, Alejandra, Cuadrado-Soto, Esther, Peral-Suarez, Africa, Salas-Gonzalez, Maria Dolores, Lorenzo-Mora, Ana Maria, APARICIO VIZUETE, ARANZAZU, DELGADO LOSADA, MARIA LUISA, MAESTU UNTURBE, FERNANDO, LOPEZ SOBALER, ANA MARIA. Association of a DASH diet and magnetoencephalography in dementia-free adults with different risk levels of Alzheimer's disease. *GeroScience*. 2024. DOI: 10.1007/s11357-024-01361-3. IF: 5,3. (Q1).

del Cerro-Leon, Alberto, Anton-Toro, Luis Fernando, Bilan, Danylyna Shpakivska-, Uceta, Marcos, Santos- Mayo, Alejandro, CUESTA PRIETO, PABLO, BRUÑA FERNANDEZ, RICARDO, Garcia-Moreno, Luis M., MAESTU UNTURBE, FERNANDO. Adolescent alcohol consumption predicted by differences in electrophysiological functional connectivity and neuroanatomy. *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*. 2024. 121(42). DOI: 10.1073/pnas.2320805121. IF: 9,4. (D1).

Alliances

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

Doctoral Thesis

Candidate: Jesús Cabrera Álvarez. Thesis title: Modelado computacional de la memoria episódica a nivel neuronal para contrastar la hipótesis de la desconexión en Alzheimer. Director(s): Fernando Maestú Unturbe. University: Universidad Complutense de Madrid (Program in Psychology).

Candidate: Martín Carrasco Gómez. Thesis title: Conectividad funcional dinámica en Alzheimer: diagnóstico temprano y evolución en el tiempo. Director(s): Andrés de Santos Lleo. University: Universidad Politécnica de Madrid (Program in Biomedical Engineering).

New Competitive Funding

PID2023-150149OA-I00. Determinación de métodos para la obtención de registros EEG de alta calidad, equiparables a MEG, para diagnóstico de bajo coste y alta precisión. PI: Bruña, Ricardo; & Cámara, Carmen.

Mobility of Researchers

Researcher: Pablo Cuesta Prieto. Destination country: Italia (Milán). Center: BTS Bioengineering. Date of arrival: 02/07/2024. Date of departure: 01/08/2024.

Researcher: Danylyna Shpakivska. Destination country: Estados Unidos. Center: Carney Institute of Brain Science, Department of Neuroscience, Brown University. Date of arrival: 01/08/2024. Date of departure: 31/10/2024.

Researcher: Ignacio Taguas Garzón. Destination country: China. Center: Suzhou Cold Spring Harbor Asia Academic Center. Date of arrival: 23/06/2024. Date of departure: 14/07/2024.

Researcher: Pablo Cuesta Prieto. Destination country: Japón. Center: National Centre for Geriatrics and Gerontology (NCGG). Date of arrival: 15/03/2024. Date of departure: 24/03/2024.

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NEC.6

Neurological Diseases

Leading researcher

Jorge Matías-Guiu Guía

Members

Alejandro Horga Hernández	Lucía Galán Dávila
Alfonso Delgado Álvarez	Luis Carlos Fernández Beltrán
Antonio Guerrero Sola	Luis José López-Ibor Aliño
Beatriz Parejo Carbonell	Mª Luz Cuadrado Pérez
Belén Ramírez Nicolás	Mª Soledad Benito Martín
Belén Selma Calvo Fernández	María Blanca García Raldúa
Carlos Ignacio Gómez-Escalonilla Escobar	María Díez Cirarda
Clara Lastras Fernández-Escandón	María Inmaculada Cuenca Blázquez
Claudia Artiaga Herrero	María Isabel Villalibre Valderrey
Constanza Elisabet Cuevas Estancona	María José Catalán Alonso
Cristina Delgado Alonso	María José Gil Moreno
Elena Natera Villalba	María Nieves Cabrera Martín
Esteban Sanesteban Beceiro	María Romeral Jiménez
Esther Valiente Gordillo	María Valles Salgado
Eva López Valdés	Marta Palacios Sarmiento
Fernando Alonso Frech	Ola Mohamed Fathy Kamal
Francisco Javier Martínez Orozco	Pablo Mayo Rodríguez
Gema Muñoz Fernández	Paloma Balugo Bengoechea
Gloria González González	Paloma Montero Escribano
Irene García Morales	Patricia Simal Hernández
Irene García Toledo	Ricardo Constancio Ginestal Lopez
Jesús Porta Etessam	Rocío García-Ramos García
Jordi Matías-Guiu Antem	Sarah de la Fuente Martín
José Antonio Egidio Herrero	Sarai Urtiaga Valle
José Luis Carreras Delgado	Silvia Corrochano Sánchez
José Luis González Gutiérrez	Silvia Oliver Mas
Juan Miguel Godoy Corchuelo	Susana Martín Albarrán
Laura Fernández Hernández	Teresa Moreno Ramos
Laura Martínez Vicente	Ulises Alfonso Gómez Pinedo
Lidia Peña de Diego	Víctor Gómez Mayordomo
Lucía Fernández Romero	Yadhira Barroso Rosales



Scientific production

92

Nº of papers (WoS)

49% (45)

% Open Access (Nº)

92

Nº of papers JCR indexed

66% (61)

% Citable Items (Nº)

59% (36)

Q1 (citable items)

25% (15)

D1 (citable items)

269.82

Cumulative IF

4.42

Average IF



Lines of Research

- Research in cognitive neurology, neuroimaging and neuromodulation.
- Research in Multiple Sclerosis, Neuroimmunology and neuroimmune diseases.
- Research in movement disorders.
- Research in Epilepsy.
- Research in stroke and cerebrovascular diseases.
- Research in Migraine, other headache and pain.
- Research in Amyotrophic lateral sclerosis and neuromuscular diseases.
- Research in neuroamyloidosis in the peripheral nervous system.
- Research on the molecular basis of neurogeneration and neuroregeneration in neurological diseases.
- Research on lipid bases of neurodegeneration in neurological diseases.
- Research in sleep disorders.
- Research in neurophysiology applied to neurological diseases.

Selected Publications

LÓPEZ CARBONERO, JUAN IGNACIO, GARCÍA TOLEDO, IRENE, FERNÁNDEZ HERNÁNDEZ, LAURA, BASCUÑANA ALMARCHA, PABLO, GIL MORENO, MARIA JOSE, MATÍAS-GUÍU ANTEM, JORDI, CORROCHANO SÁNCHEZ, SILVIA. In vivo diagnosis of TDP-43 proteinopathies: in search of biomarkers of clinical use. *Translational Neurodegeneration*. 2024. 13(1). DOI: 10.1186/s40035-024-00419-8. IF: 10,8. (D1).

VALLES SALGADO, MARÍA, MATÍAS-GUÍU ANTEM, JORDI, DELGADO ÁLVAREZ, ALFONSO, DELGADO ALONSO, CRISTINA, GIL MORENO, MARIA JOSE, VALIENTE GORDILLO, ESTHER, LÓPEZ CARBONERO, JUAN IGNACIO, FERNÁNDEZ ROMERO, LUCÍA, PEÑA DE DIEGO, LIDIA, OLIVER MAS, SILVIA, MATÍAS-GUÍU GUIA, JORGE, DÍEZ CIRARDA, MARÍA. Comparison of the Diagnostic Accuracy of Five Cognitive Screening Tests for Diagnosing Mild Cognitive Impairment in Patients Consulting for Memory Loss. *Journal of Clinical Medicine*. 2024. 13(16). DOI: 10.3390/jcm13164695. IF: 3. (Q1).

OJEDA HERNÁNDEZ, DENISE, Velasco-Lozano, Susana, Fraile, Jose M., Mateos-Díaz, J. C., ROJO PÉREZ, FRANCISCO JAVIER, BENITO MARTÍN, M^a SOLEDAD, SELMA CALVO FERNÁNDEZ, BELÉN, DE LA FUENTE MARTÍN, SARAH, Garcia-Martin, Marina, Larriba-Gonzalez, Maria Teresa, Hernandez-Sapiens, Mercedes Azucena, Canales-Aguirre, Alejandro A., MATÍAS-GUÍU ANTEM, JORDI, MATÍAS-GUÍU GUIA, JORGE, GÓMEZ PINEDO, ULISES ALFONSO. Thermosensitive chitosan-based hydrogel: A vehicle for overcoming the limitations of nose-to-brain cell therapy. *ACTA BIOMATERIALIA*. 2024. 188:157-168. DOI: 10.1016/j.actbio.2024.09.002. IF: 9,4. (D1).

Clinical Practice Guidelines

Volkmer, Anna, Alves, Emily Viegas, Bar-Zeev, Hagit, Barbieri, Elena, Battista, Petronilla, Beales, Ashleigh, Beber, Barbara Costa, Brotherhood, Emilie, Cadario, Ines Ribeiro, Carthery-Goulart, Maria Teresa, Cartwright, Jade, Crutch, Sebastian, Croot, Karen, Freitas, Maria Isabel d'Avila, Gallee, Jeanne, Grasso, Stephanie M., Haley, Katarina, Hendriksen, Heleen, Henderson, Shalom, Jiskoot, Lize, Almeida, Isabel Junqueira, Kindell, Jackie, Kingma, Rachel, Kwan-Chen, Lorinda L. Y., Lavoie, Monica, Lifshitz-Ben-Basat, Adi, Jokel, Regina, Mahut-Dubois, Aurore, MATÍAS-GUÍU ANTEM, JORDI, Masson-Trottier, Michele, Meinzer, Marcus, McGowan, Ellen, Mendez-Orellana, Carolina, Meyer, Aaron M., Millanski, Carly, Montagut, Nuria, Mooney, Aimee, Morhardt, Darby J., Nickels, Lyndsey, Norvik, Monica, Nowenstein, Iris Edda, Paplikar, Avanthi, Pozzebon, Margaret, Renard, Antoine, Ruggero, Leanne, Rogalski, Emily, Rysop, Anna U., Sand Aronsson, Fredrik, Suarez-Gonzalez, Aida, Savage, Sharon, Thi, Mai Tran, Tsapkini, Kyriana, Taylor-Rubin, Cathleen, Tippet, Donna C., Unger, Nina, van Ewijk, Lizet, Wielaert, Sandra, Winsnes, Ingvild Elisabeth, Whitworth, Anne, Yasa, Ibrahim Can, Copland, David, Henry, Maya L., Warren, Jason D., Varley, Rosemary, Wallace, Sarah J., Hardy, Chris J. D. An international core outcome set for primary progressive aphasia (COS-PPA): Consensus-based recommendations for communication interventions across research and clinical settings. *ALZHEIMERS & DEMENTIA*. 2024. DOI: 10.1002/alz.14362.

New Competitive Funding

JMA.CAM.24. Implementación en la práctica clínica de biomarcadores en sangre para la enfermedad de Alzheimer. PI: JORDI MATÍAS-GUÍU ANTEM.

PIPF-2023/SAL-GL-30461. Contratación de personal investigador predoctoral en formación 2023 - Silvia Oliver Mas. PI: JORDI MATÍAS-GUÍU ANTEM.

PEJ-2023-AI/SAL-GL-28012. Ayudas para contratación de Ayudantes de Investigación y Técnicos de Laboratorio 2023. PI: JORDI MATÍAS-GUÍU ANTEM.

SCS.P04.PAIE.24. PROGRAMA DE APOYO A PROYECTOS DE INVESTIGADORES ESTABILIZADOS: "ESTUDIO DE LA EXPRESIÓN DE LA PROTEÍNA TDP-43 EN CÉLULAS LINFOMONONUCLEARES Y/O VESÍCULAS EXTRACELULARES DE SANGRE PERIFÉRICA PARA EL DESARROLLO DE UN BIOMARCADOR CLÍNICO DE ENFERMEDADES NEURODEGENERATIVAS". PI: SILVIA CORROCHANO SÁNCHEZ.

CM23/00094. Contrato Rio Hortega: Juan Ignacio López Carbonero. PI: JORDI MATÍAS-GUÍU ANTEM.

INT23/00017. Contratos para la intensificación de la actividad investigadora en el SNS: Jordi Matias-Guiu. PI: JORDI MATÍAS-GUÍU ANTEM.

MV23/00025. Movilidad de personal investigador contratado en el marco de la AES (M-AES): María Díez Cirarda (Contratada Sara Borrell). PI: MARÍA DÍEZ CIRARDA.

PID2023-147947OB-I00. Descubriendo el papel de TDP43 en la modificación de las alteraciones cognitivas inducidas por cambios de factores de riesgo metabólicos a través de la dieta. PI: SILVIA CORROCHANO SÁNCHEZ."

New Non Competitive Funding

RGR.M02STA. Patrocinar el proyecto "Estudio prospectivo de seguridad y eficacia del tratamiento temprano de la enfermedad de Parkinson con Ultrasonidos de alta intensidad (HIFU) guiados por Resonancia magnética. PI: ROCÍO GARCÍA-RAMOS GARCÍA.

ECL.23/158. ESTUDIO DE FASE 2B, MULTINACIONAL, ALEATORIZADO Y DOBLE CIEGO PARA INVESTIGAR LA EFICACIA Y LA SEGURIDAD DE RE-DASEMTIDE (S-005151) COMPARADO CON PLACEBO EN PACIENTES MAYORES DE EDAD CON ICTUS ISQUEMICO AGUDO QUE NO SON CANDIDATOS A TRATAMIENTO CON ACTIVADOR TISULAR DEL PLASMINOGENO O TROMBECTOMIA. PI: JOSÉ ANTONIO EGIDO HERRERO."

ECL.23/025-EC_M. ESTUDIO ABIERTO, MULTICÉNTRICO Y A LARGO PLAZO PARA EVALUAR LA SEGURIDAD, LA TOLERABILIDAD Y LA EFICACIA DE XEN1101 EN SUJETOS CON DIAGNÓSTICO DE EPILEPSIA. PI: IRENE GARCÍA MORALES."

ECL.24/045. ESTUDIO MULTICÉNTRICO, ALEATORIZADO, CONTROLADO CON PLACEBO, DOBLE CIEGO, DE GRUPOS PARALELOS, PARA EVALUAR LA EFICACIA, LA SEGURIDAD Y LA INMUNOGENICIDAD DE JNJ-64042056, UNA INMUNOTERAPIA ACTIVA DIRIGIDA CONTRA LA TAU FOSFORILADA EN PARTICIPANTES CON ENFERMEDAD DE ALZHEIMER PRECLÍNICA. PI: JORDI MATÍAS-GUÍU ANTEM.

ECL.24/149. AYUDA AL DIAGNÓSTICO DE LA ENFERMEDAD DE ALZHEIMER. ESTIMACIÓN DE LA PROBABILIDAD DE PRESENCIA DE DEPÓSITO AMILOIDE CEREBRAL EN INDIVIDUOS CON DETERIORO COGNITIVO LEVE, A PARTIR DE MUESTRAS DE PLASMA ANALIZADAS MEDIANTE UN MÉTODO BASADO EN CROMATOGRAFÍA LÍQUIDA ACOPLADA A ESPECTROMETRÍA DE MASAS (ABTEST-MS, ARACLON BIOTECH). PI: JORDI MATÍAS-GUÍU ANTEM.

ECL.24/296. ESTUDIO LONGITUDINAL A 3 AÑOS DEL SÍNDROME POST-COVID COGNITIVO: EVALUACIÓN CLÍNICA, NEUROIMAGEN Y DE BIOMARCADORES. PI: JORDI MATÍAS-GUÍU ANTEM.

ECL.24/574. CARACTERIZACIÓN DE LA RESPUESTA DE LOS LINFOCITOS T EN PARTICIPANTES DE UN ESTUDIO DE POSDINEMAB. PI: JORDI MATÍAS-GUÍU ANTEM.

ECL.24/652. PREDICTING REHABILITATION OUTCOMES IN BILINGUAL APHASIA USING COMPUTATIONAL MODELING (PROCOM) subestudio afasia progresiva primaria. PI: JORDI MATÍAS-GUÍU ANTEM.

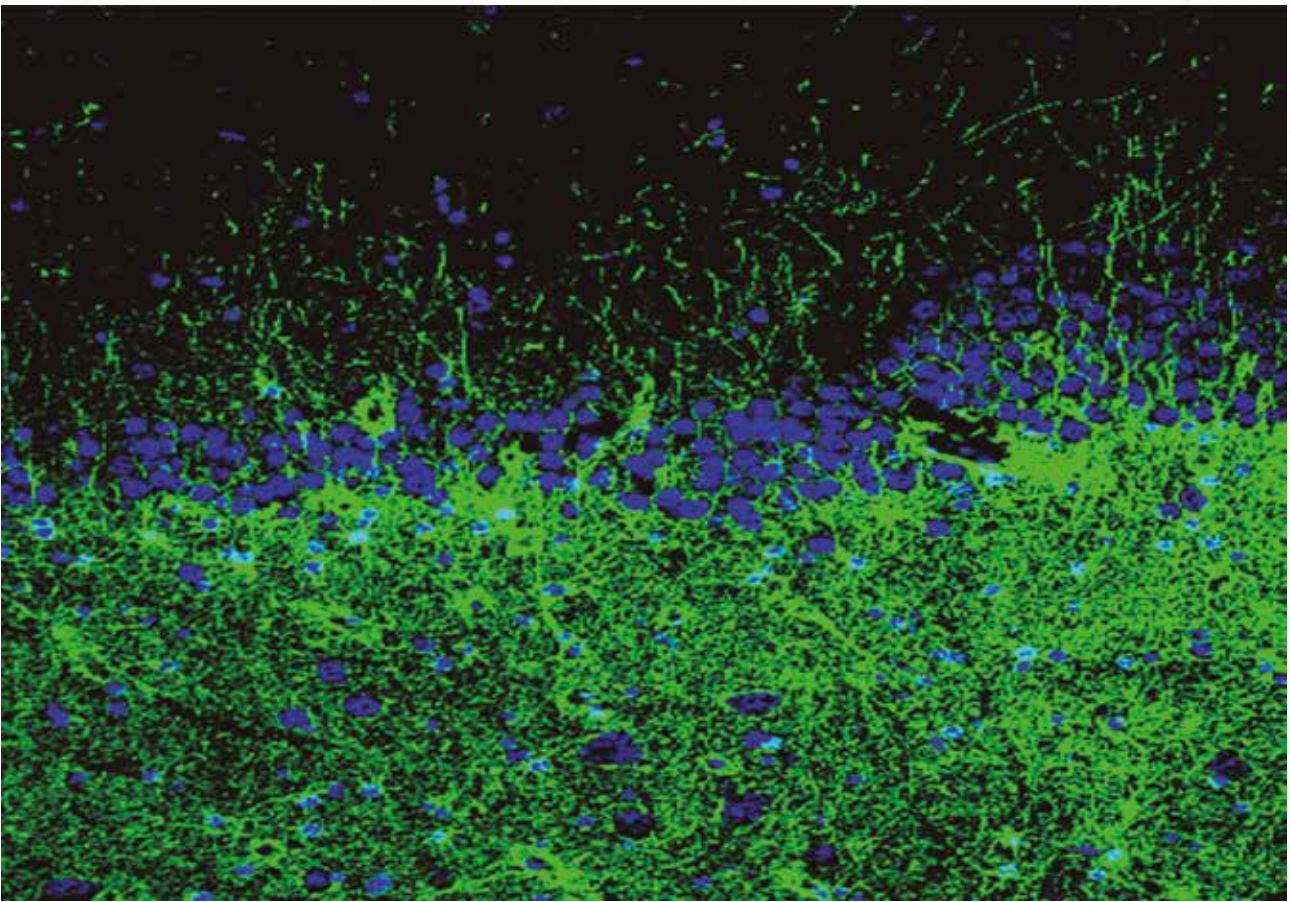
ECL.24/659. ESTUDIO DE FASE 3, ALEATORIZADO, DOBLE CIEGO, CONTROLADO CON PLACEBO Y CON GRUPOS PARALELOS PARA EVALUAR LA SEGURIDAD Y LA EFICACIA DE KARXT PARA EL TRATAMIENTO DE LA PSICOSIS ASOCIADA CON LA ENFERMEDAD DE ALZHEIMER (ADEPT-4). PI: JORDI MATÍAS-GUÍU ANTEM.

ECL.23/354. ESTUDIO ABIERTO, MULTICÉNTRICO QUE EVALÚA LOS CAMBIOS EN LA TENSIÓN ARTERIAL EN PARTICIPANTES CON NARCOLEPSIA EN LA TRANSICIÓN DEL OXIBATO CON NIVELES ALTOS DE SODIO A XY-WAV. PI: FRANCISCO JAVIER MARTÍNEZ OROZCO."

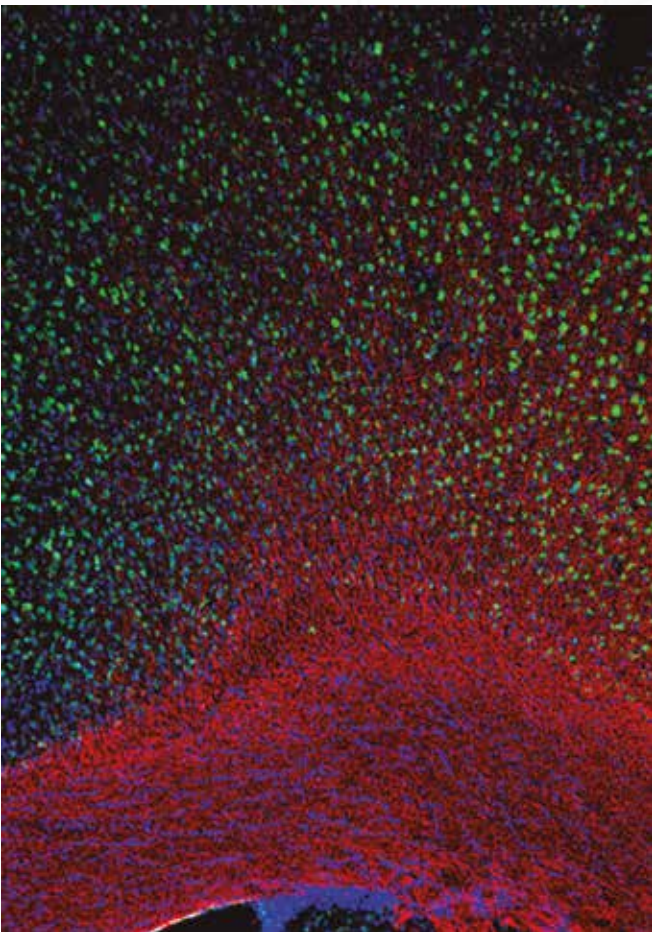
ECL.23/709. ESTUDIO PILOTO DE FASE II, ALEATORIZADO, DOBLE CIEGO, DE GRUPOS PARALELOS PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE ELINZANETANT COMPARADO CON PLACEBO, PARA EL TRATAMIENTO DE LOS TRASTORNOS DEL SUEÑO ASOCIADOS A LA MENOPAUSIA. PI: FRANCISCO JAVIER MARTÍNEZ OROZCO.

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.



Explosive reactivity



Stellar crust

Scan me!



NEC.7

Research group on environmental factors in degenerative diseases

Leading researcher

Roberto Álvarez Lafuente

Members

Carla Rodríguez García

María Ángel García Martínez

Enara Cuadrado Regil

María Inmaculada Domínguez Mozo

Ester Sanchez Sanchez

María José Torrejón Martínez

Isabel Ortega Madueño



Lines of Research

- Identification of the environmental factors involved in the triggering and progression of degenerative diseases.
- Study of gene-environment interaction in degenerative diseases.
- Optimisation of molecular biology techniques applied to the study of the different environmental factors associated with degenerative diseases.

Scientific production

17

Nº of papers (WoS)

41%(7)

% Open Access (Nº)

16

Nº of papers JCR indexed

56%(9)

% Citable Items (Nº)

78%(7)

Q1 (citable items)

22%(2)

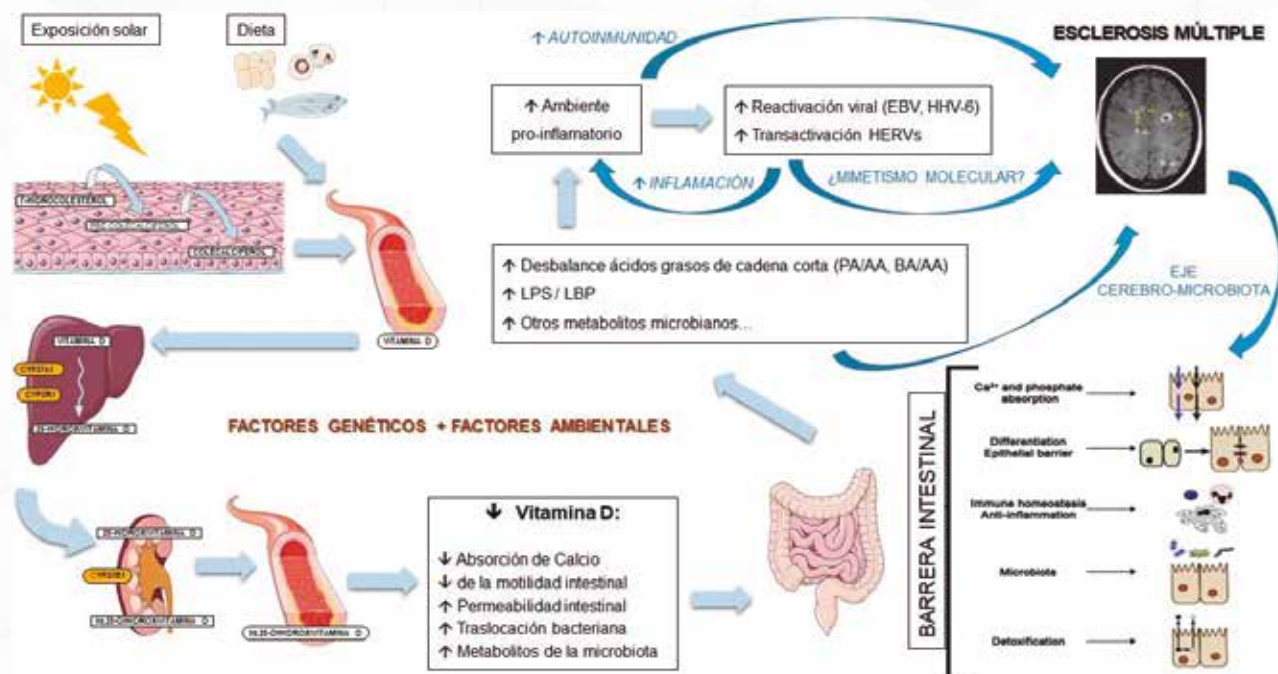
D1 (citable items)

49.30

Cumulative IF

5.47

Average IF



Selected Publications

DOMÍNGUEZ MOZO, MARÍA INMACULADA, Galan, Victoria, Ramio-Torrenta, Lluís, Quiroga, Ana, Quintana, E., Villar, Luisa María, Costa-Frossard, Lucienne, Fernandez-Velasco, Jose Ignacio, Villarrubia, Noelia, GARCÍA MARTÍNEZ, MARÍA ÁNGEL, ARROYO GONZÁLEZ, RAFAEL VÍCTOR, ÁLVAREZ LAFUENTE, ROBERTO. A two-years real-world study with fingolimod: early predictors of efficacy and an association between EBNA-1 IgG titers and multiple sclerosis progression. *FRONTIERS IN IMMUNOLOGY*. 2024. 15. DOI: 10.3389/fimmu.2024.1384411. IF: 5,7. (Q1).

DOMÍNGUEZ MOZO, MARÍA INMACULADA, CASANOVA PEÑO, LUIS IGNACIO, Monreal, Enric, Costa-Frossard, Lucienne, Sainz-de-la-Maza, Susana, Sainz-Amo, Raquel, Aladro-Benito, Yolanda, Lopez-Ruiz, Pedro, De-Torres, Laura, Abellan, Sara, GARCÍA MARTÍNEZ, MARÍA ÁNGEL, De-la-Cuesta, David, Lourido, Daniel, Torrado, Angel, Gomez-Barbosa, Carol, Linares-Villavicencio, Carla, Villar, Luisa María, Lopez-De-Silanes, Carlos, ARROYO GONZÁLEZ, RAFAEL VÍCTOR, ÁLVAREZ LAFUENTE, ROBERTO. Association of MicroRNA Expression and Serum Neurofilament Light Chain Levels with Clinical and Radiological Findings in Multiple Sclerosis. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*. 2024. 25(18). DOI: 10.3390/ijms251810012. IF: 4,9. (Q1).

Monreal, Enric, Fernandez-Velasco, Jose Ignacio, ÁLVAREZ LAFUENTE, ROBERTO, de la Maza, Susana Sainz, Garcia-Sanchez, Maria Isabel, Llufríu, Sara, Casanova, Bonaventura, Comabella, Manuel, Martinez-Yelamos, Sergio, Galimberti, Daniela, Ramio-Torrenta, Lluís, Martinez-Gines, Maria Luisa, Aladro, Yolanda, Ayuso, Lucia, Martinez-Rodriguez, Jose Enrique, Brieva, Luis, Villarrubia, Noelia, Eichau, Sara, Zamora, Javier, Rodero-Romero, Alexander, Espino, Mercedes, Blanco, Yolanda, Saiz, Albert, Montalban, Xavier, Tintore, Mar, DOMÍNGUEZ MOZO, MARÍA INMACULADA, Cuello, Pablo, Romero-Pinel, Lucia, Ghezzi, Laura, de la Fuente, Belen Pilo, Perez-Miralles, Francisco, Quiroga-Varela, Ana, Rubio, Lluís, Rodriguez-Jorge, Fernando, Chico-Garcia, Juan Luis, Sainz-Amo, Raquel, Masjuan, Jaime, Costa-Frossard, Lucienne, Villar, Luisa M. Serum biomarkers at disease onset for personalized therapy in multiple sclerosis. *Brain*. 2024. 147(12):4084-4093. DOI: 10.1093/brain/awae260. IF: 10,6. (D1).

Doctoral Thesis

Candidate: Daniel López Mecáñez. Thesis title: Ácidos grasos de cadena corta y esclerosis múltiple: asociación de los niveles de acetato, propionato y butirato con la progresión y actividad de la enfermedad y con el sistema inmune de los pacientes. Director(s): Roberto Álvarez Lafuente; María Inmaculada Domínguez Mozo. University: Universidad Complutense de Madrid.

Candidate: Stefano Ruberto. Thesis title: The pHERV-W envelope protein and the clinical forms of multiple sclerosis. Director(s): Leonardo Antonio Sechi; Roberto Álvarez Lafuente; María Inmaculada Domínguez Mozo. University: Universidad de Sassari (Italia).

New Competitive Funding

RAL.C03EME. Colaboración económica para la realización del proyecto "Ácidos grasos de cadena corta y Esclerosis Múltiple Primaria Progresiva: Estudio de la asociación con la Progresión de la Enfermedad". PI: ROBERTO ÁLVAREZ LAFUENTE.

PEJ-2023-AI/SAL-GL-27283. Ayudas para contratación de Ayudantes de Investigación y Técnicos de Laboratorio 2023. PI: MARÍA INMACULADA DOMÍNGUEZ MOZO.

RAL.P04.PAIE.24. PROGRAMA DE APOYO A PROYECTOS DE INVESTIGADORES ESTABILIZADOS: "Ácidos grasos de cadena corta y anticuerpos frente a pHERV-W ENV y sincitina-1 en pacientes con diabetes tipo 1". PI: ROBERTO ÁLVAREZ LAFUENTE.

Mobility of Researchers

Researcher: María Inmaculada Domínguez Mozo. Destination country: Irlanda. Center: APC Microbiome Center. Cork. Date of arrival: 04/01/2024. Date of departure: 04/07/2024.

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 INVENCION PARA USOS DE INVESTIGACIÓN Y USO CLÍNICO EN DIAGNÓSTICO. Application date: 23/11/2022.

Scan me!



NEC.9

Brain Mapping

Leading researcher

Pablo Bascuñana Almarcha

Members

Eva María Moreno Montes

Miguel Ángel Pozo García

Francisca Gómez Oliver

Mirjam Brackhan

José Antonio Hinojosa Poveda

Nira Hernández Martín

Karla Verónica Slowing Barillas

Rubén Fernández de la Rosa

Luis García García



Lines of Research

- PET molecular imaging in experimental models of neurodegenerative disease.
- Investigation of the brain-heart axis in neurodegenerative diseases.
- Interaction and multimodality of functional neuroimaging techniques: MRI and PET.
- Interaction between language and emotion using EEG.

Scientific production

16

Nº of papers
(WoS)

56%⁽⁹⁾

% Open
Access (Nº)

16

Nº of papers
JCR indexed

50%⁽⁸⁾

% Citable
Items (Nº)

100%⁽⁸⁾

Q1 (citable items)

25%⁽²⁾

D1 (citable items)

50.10

Cumulative IF

6.26

Average IF

Selected Publications

HURTADO CARNEIRO, VERONICA, LeBaut-Ayuso, Yannick, Velazquez, Esther, Flores-Lamas, Cinthya, FERNÁNDEZ DE LA ROSA, RUBEN, GARCÍA GARCÍA, LUIS, GÓMEZ OLIVER, FRANCISCA, RUIZ ALBUSAC, JUAN MIGUEL, POZO GARCÍA, MIGUEL ANGEL. Effects of chronic treatment with metformin on brain glucose hypometabolism and central insulin actions in transgenic mice with tauopathy. *Heliyon*. 2024. 10(15). DOI: 10.1016/j.heliyon.2024.e35752. IF: 3,4. (Q1).

HERNÁNDEZ MARTÍN, NIRA, GÓMEZ MARTÍNEZ, ANA MARÍA, BASCUÑANA ALMARCHA, PABLO, FERNÁNDEZ DE LA ROSA, RUBEN, GARCÍA GARCÍA, LUIS, Gomez, Francisca, Solas, Maite, Martin, Eduardo D., POZO GARCÍA, MIGUEL ANGEL. Astrocytic Ca^{2+} activation by chemogenetics mitigates the effect of kainic acid-induced excitotoxicity on the hippocampus. *Glia*. 2024. 72(12):2217-2230. DOI: 10.1002/glia.24607. IF: 5,4. (Q1).

Bankstahl, Marion, Jahreis, Ina, Wolf, Bettina J., Ross, Tobias L., Bankstahl, Jens P., BASCUÑANA ALMARCHA, PABLO. PET imaging identifies anti-inflammatory effects of fluoxetine and a correlation of glucose metabolism during epileptogenesis with chronic seizure frequency. *Neuropharmacology*. 2024. 261. DOI: 10.1016/j.neuropharm.2024.110178. IF: 4,6. (Q1).

Awards

Researcher aware: Mejor comunicación oral - I Congreso del Instituto Pluridisciplinar UCM. Award: Alteraciones en el eje cerebro-corazón en el modelo murino FUSDELTA14.

New Competitive Funding

IHMC22/00032. Acciones Individuales MSCA - Sello de Excelencia ISCIII-HEALTH: Mirjam Brackhan. PI: MIRJAM BRACKHAN.

Scan me!



NEC.13

Neurotransmission and purinergic signalling

Leading researchers

Esmerilda García Delicado

Magdalena Torres Molina

Members

Alberto Samuel Suarez Pinilla

M^a Dolores Martín De Saavedra

Alberto Sánchez-Aguilera López

M^a Victoria Barahona Gomariz

Álvaro Sebastián Serrano

Maria Jesús Oset Gasque

Antonio Rodríguez Artalejo

Marina Arribas Blázquez

Asunción Colino Matlla

Miguel Díaz Hernández

Beatriz Álvarez Castela

Miguel Lobete Alonso

Beatriz Chamorro Gorines

M^o Ángeles Vicente Torres

Celia Llorente Sáez

Raquel Bajo Grañeras

Felipe Ortega

Ráquel Pérez Sen

Irene Jarama Martín

Ricardo Martín Herranz

Julia Serrano López

Rodrigo Álvarez Pardo

Lucia Soria Tobar

Rosa Gómez Villafuertes

Luis Alcives Olivos Oré

Sara Izquierdo Bermejo



Scientific production

23

Nº of papers (WoS)

65% (15)

% Open Access (Nº)

23

Nº of papers JCR indexed

57% (13)

% Citable Items (Nº)

100% (13)

Q1 (citable items)

46% (6)

D1 (citable items)

100.70

Cumulative IF

7.74

Average IF

Lines of Research

- Signalling and physiology of nucleotide receptors in populations of neurons and astrocytes of cerebellum, cortex and hippocampus.
- Study of nucleotide receptors in neuronal differentiation, involvement in axonal and dendritic development.
- Role of nucleotide receptors in neuroprotection and neuroregeneration. Interaction of nucleotide receptors with other neurotransmitter and growth factor systems.
- Identification of the regulatory mechanisms of neurogenesis in the murine postnatal cerebellum.
- Identification of regulatory mechanisms of neurogenesis in the subependymal zone in the adult.
- Implication of purinergic receptors in the physiopathology of neurodegenerative diseases. Search for new therapeutic targets.
- Cell type-specific proteomics in Huntington's disease and Parkinson's disease for the identification of new therapeutic targets.
- Excitation-secretion coupling of hormones and neurotransmitters.
- New pharmacological targets for the treatment of neuropathic pain.
- Presynaptic signalling of metabotropic receptors and regulation of synaptic transmission; alterations in Fragile X syndrome.
- Control of excitability by mGlu7 and its implication in epilepsy.
- Excitability and plasticity of hippocampal neurons during development and in animal models of pathologies related to learning and memory.
- Excision of protein ectodomains in the CNS.
- Physiopathological mechanisms and new therapeutic targets for the treatment of autism spectrum disorders (ASD).
- Diagnostic biomarkers of ASD in cerebrospinal fluid.
- Neurodegeneration: mechanisms of neuronal death and signalling.
- Neuroprotection in models of neurovascular disease (cerebral ischaemia) and neurodegenerative diseases.
- Relationship between brain glutamate, plasma glutamate and ischaemic damage. Imaging techniques to assess ischaemic damage.
- Study of the plasticity of intrinsic excitability in the developing rat hippocampus.
- Neuroprotection by phytoestrogens and nitrones.

Selected Publications

SORIA TOBAR, LUCIA, Roman-Valero, Laura, SEBASTIÁN SERRANO, ÁLVARO, Aivar, Paloma, ÁLVAREZ CASTELAO, BEATRIZ, DÍAZ HERNÁNDEZ, MIGUEL. Blockade of brain alkaline phosphatase efficiently reduces amyloid- β plaque burden and associated cognitive impairment. *ALZHEIMERS RESEARCH & THERAPY*. 2024. 16(1). DOI: 10.1186/s13195-024-01600-x. IF: 7,9. (D1).

Albert-Gasco, Hector, Smith, Heather L., ÁLVAREZ CASTELAO, BEATRIZ, Swinden, Dean, Halliday, Mark, Janaki-Raman, Sudha, Butcher, Adrian J., Mallucci, Giovanna R. Trazodone rescues dysregulated synaptic and mitochondrial nascent proteomes in prion neurodegeneration. *Brain*. 2024. 147(2):649-664. DOI: 10.1093/brain/awad313. IF: 10,6. (D1).

Bartolome, Ruben A., Pintado-Berninches, Laura, Martin-Regalado, Angela, Robles, Javier, Calvo-Lopez, Tania, Ortega-Zapero, Marina, LLORENTE SÁEZ, CELIA, Boukich, Issam, FERNANDEZ ACEÑERO, MARÍA JESUS, Casal, J. Ignacio. A complex of cadherin 17 with desmocollin 1 and p120-catenin regulates colorectal cancer migration and invasion according to the cell phenotype. *JOURNAL OF EXPERIMENTAL & CLINICAL CANCER RESEARCH*. 2024. 43(1). DOI: 10.1186/s13046-024-02956-6. IF: 11,4. (D1).

New Competitive Funding

PID2023-146614OB-I00. Alteraciones de la plasticidad sináptica y función hippocampal e identificación de dianas terapéuticas en el síndrome del X frágil. PI: Ricardo Martín Herranz. Alberto Sánchez-Aguilera López.

UCJC 2023-10. Colesterol Nitronas para la Isquemia Cerebral y Enfermedades Neurodegenerativas. PI: María Jesús Oset Gasque.

PID2022-138073OB-I00. Nuevas estrategias basadas en la señalización purinérgica para abordar el deterioro motor y cognitivo asociado a las proteinopatías. PI: Felipe Ortega de la O.

Doctoral Thesis

Candidate: Dña. Beatriz Chamorro Gorines. Thesis title: Evaluación de la capacidad neuroprotectora de nuevas nitronas para el tratamiento de la isquemia cerebral. Director(s): Dra. Dña. María Jesús Oset Gasque; Dr. D. José Luis Marco Contelles. University: Universidad Camilo José Cela.

Candidate: D. Alberto Samuel Suárez Pinilla. Thesis title: Potenciación de la transmisión sináptica por receptores acoplados a proteínas G y sus alteraciones en un modelo de Síndrome del X Frágil. Director(s): Dr. D. Ricardo Martín Herranz. University: Universidad Complutense de Madrid.

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Scan me!



NEC.18

Research in Glaucoma, Retina and Visual Pathways

Leading researcher

Julián García Feijóo

Members

Ainhoa Colina Jareño	Juan Carlos Sanz Fernández
Alicia Valverde Megías	Juan Donate López
Ana Isabel Ramírez Sebastián	Juan José Salazar Corral
Ana María Fernández Vidal	Juan Reche Frutos
Angel Romo López	Juan Troyano Rivas
Bárbara Burgos Blasco	Lara Borrego Sanz
Beatriz Vidal Villegas	Laura Morales Fernández
Belén Jiménez Rolando	Lidia Sánchez-Puebla Fernández
Carmen Dora Méndez Hernández	Lorenzo López Guajardo
Catalina Palomo Álvarez	Lydia Medina Ramírez
Celia Villanueva Gómez-Chacón	M ^a Jesús Escobar Moreno
Consuelo López Abad	María Aurelia Jimenez Santos
Cristina Calvo González	María Lorena Elvira Hurtado
Cristina Niño Rueda	María Rosalía Méndez Fernández
David Díaz Valle	María Teresa Iradier Urrutia
Elena Hernández García	Mayte Ariño Gutiérrez
Elena Moreno López	M ^a de las Mercedes Molero Senosiain
Elena Salobar García Martín	Natalia Hormigo Márquez
Enrique Santos Bueso	Noemí Güemes Villahoz
Eva Vico Ruiz	Nuria Garzón Jiménez
Federico Saenz-Francés San Baldomero	Paloma Porras Ángel
Gema Felipe Márquez	Pedro Arriola Villalobos
Inés López Cuenca	Pilar Pérez García
Javier García Bella	Ramón Torres Imaz
Jesús Carballo Álvarez	Ricardo Cuiña Sardiña
José Antonio Fernández Albarral	Rosa de Hoz Montañana
José Antonio Gegúndez Fernández	Rosario Gómez de Liaño
José Antonio Matamoros Felipe	Rubén Sánchez Jean
José Ignacio Fernández-Vigo Escribano	Sara García Caride
José Manuel Benítez Del Castillo Sánchez	Sofía García Sáenz
José Manuel Ramírez Sebastián	Teresa Martín Orte
José M ^a de la Casa Fernández Borrella	Vanessa Andrés Guerrero
Jose María Vázquez Molini	Yaiza de la Casa-Huertas Ros



Scientific production

65

Nº of papers (WoS)

38% (58)

% Open Access (Nº)

59

Nº of papers JCR indexed

85% (50)

% Citable Items (Nº)

56% (28)

Q1 (citable items)

14% (7)

D1 (citable items)

186.10

Cumulative IF

3.72

Average IF



Lines of Research

- Ocular pathology of ageing.
- Diagnostic and therapeutic technology.
- Therapeutic innovation and ocular pharmacology.
- Genetics.
- Physiopathology of glaucoma.
- Dry eye and ocular surface diseases.
- Uveitis and inflammatory intraocular diseases.
- Visual quality and quality of life.
- Visual development.

Selected Publications

Cordeiro, M. Francesca, Denis, Philippe, Astarita, Carlo, Belsey, Jonathan, Rivas, Marcos, GARCÍA FEIJOO, JULIÁN. Prevalence of comorbidities with the potential to increase the risk of nonadherence to topical ocular hypotensive medication in patients with open-angle glaucoma. *CURRENT MEDICAL RESEARCH AND OPINION*. 2024. 40(4):647-655. DOI: 10.1080/03007995.2024.2322048. IF: 2,4. (Q1).

SÁNCHEZ-PUEBLA FERNÁNDEZ, LIDIA, LÓPEZ CUENCA, INÉS, GARCÍA MARTÍN, ELENA SALOBRAR, RAMÍREZ SEBASTIÁN, ANA ISABEL, FERNÁNDEZ ALBARRAL, JOSÉ ANTONIO, MATAMOROS FELIPE, JOSÉ ANTONIO, ELVIRA-HURTADO, Lorena, SALAZAR CORRAL, JUAN JOSÉ, RAMÍREZ SEBASTIÁN, JOSÉ MANUEL, DE HOZ MONTAÑANA, ROSA. OCT Imaging in Murine Models of Alzheimer's Disease in a Systematic Review: Findings, Methodology and Future Perspectives. *Biomedicines*. 2024. 12(3). DOI: 10.3390/biomedicines12030528. IF: 3,9. (Q1).

SÁNCHEZ-PUEBLA FERNÁNDEZ, LIDIA, LÓPEZ CUENCA, INÉS, GARCÍA MARTÍN, ELENA SALOBRAR, GONZALEZ JIMENEZ, MARIA LOURDES, ARIAS VÁZQUEZ, ALBERTO, MATAMOROS FELIPE, JOSÉ ANTONIO, RAMÍREZ SEBASTIÁN, ANA ISABEL, FERNÁNDEZ ALBARRAL, JOSÉ ANTONIO, ELVIRA HURTADO, MARÍA LORENA, Saido, Takaomi C., Saito, Takashi, Nieto-Vaquero, Carmen, Cuartero, Maria I., MORO SÁNCHEZ, M^a ÁNGELES, SALAZAR CORRAL, JUAN JOSÉ, DE HOZ MONTAÑANA, ROSA, RAMÍREZ SEBASTIÁN, JOSÉ MANUEL. Retinal Vascular and Structural Changes in the Murine Alzheimer's APP^{NL-F/NL-F} Model from 6 to 20 Months. *Biomolecules*. 2024. 14(7). DOI: 10.3390/biom14070828. IF: 4,8. (Q1).

Awards

Researcher aware: INES LOPEZ CUENCA. Award: Best Poster. European Association for vision and Eye research (EVER 2024). Awarded work:

Evaluating Brolucizumab in Neovascular AMD: Clinical Outcomes from a Tertiary Care Eye Hospital.

Researcher aware: INES LOPEZ CUENCA. Award: XXX Premio científico Hospital clínico San Carlos al mejor Trabajo científico original publicado por un investigador emergente durante al año 2023. Awarded work: Exploratory Longitudinal Study of Ocular Structural and Visual Functional Changes in Subjects at High Genetic Risk of Developing Alzheimer's Disease.

Researcher aware: Lorena Elvira-Hurtado. Award: Premio Pañella Casas 2024. Sociedad Español de Geriátria y Gerontología. Awarded work: Función Visual y Alzheimer: Uniendo Geriátria y Oftalmología en la búsqueda de Biomarcadores para la patología.

Researcher aware: Elena S. García Martín. Award: Segundo premio de Fotografía Científica en el XIII Concurso de Divulgación Científica Universidad Complutense de Madrid.

Researcher aware: José A. Fernández Albarral. Convocatoria 2024; BOUC 21/10/2024. Award: Premio Extraordinario de Doctorado Facultad de Medicina, Universidad Complutense de Madrid. Awarded work: Caracterización del perfil temporal de activación de las células gliales en un modelo experimental de glaucoma y análisis del efecto antiinflamatorio y neuroprotector de un extracto de azafrán.

Researcher aware: Lidia Sánchez-Puebla. Award: Young Investigator Award. EVER 2024. Awarded work: Study of Ocular Structural and Visual Functional Changes in Subjects at High Genetic Risk of Developing Alzheimer's Disease.

Researcher aware: Lidia Sánchez-Puebla. Award: Primer premio Comunicación TD. II jornada de jóvenes investigadores SIREV 2024. Awarded work: Análisis vascular mediante OCT-A del modelo murino de Enfermedad de Alzheimer APP NLF-NLF en distintos tiempos.

Researcher aware: Lidia Sánchez-Puebla. Award: Premio a la mejor comunicación científica. XVI Congreso de Investigación de Estudiantes de Grado en Ciencias de la Salud. 2024. Awarded work: Análisis temporal de los cambios en el grosor retiniano en el modelo murino APP NLF-NLF de la enfermedad de Alzheimer.

Researcher aware: José A. Matamoros Felipe. Award: Premio ex aequo a la mejor comunicación oral en el VIII Edición de las Jornadas PhDay Complutense. Awarded work: COQUN Combo Modulates Inflammatory and Neurodegenerative Responses in a Mouse Model of Glaucoma.

Clinical Practice Guidelines

Messmer, Elisabeth M., Baudouin, Christophe, BENÍTEZ DEL CASTILLO SÁNCHEZ, JOSÉ MANUEL, lester, Michele, Anton, Alfonso, Thygesen, John, Topouzis, Fotis. Expert Consensus Recommendations for the Management of Ocular Surface Inflammation in Patients With Glaucoma. JOURNAL OF GLAUCOMA. 2024. DOI: 10.1097/IJG.0000000000002465.

Khawaja, Anthony P., Pinto, Luis Abegao, Stalmans, Ingeborg, Aptel, Florent, Barkander, Anna, Barton, Keith, Beckers, Henny, Iliev, Milko, Klink, Thomas, Marchini, Giorgio, MARTINEZ DE LA CASA, JOSE MARIA, Pillunat, Karin R., Simonsen, Jan H., Vass, Clemens. Additional Guidance on the Use of the PRE-SERFLO™ MicroShunt in the Treatment of Glaucoma: Insights from a Second Delphi Consensus Panel. Ophthalmology and Therapy. 2024. DOI: 10.1007/s40123-024-00902-5.

New Competitive Funding

EUR.ACHILLES. Human-Centred Machine Learning: Lighter, Clearer, Safer. PI: JULIÁN GARCÍA FEIJOO.

PEJ-2023-TL/SAL-GL-28184. Ayudas para contratación de Ayudantes de Investigación y Técnicos de Laboratorio 2023. PI: JULIÁN GARCÍA FEIJOO.

PI23/00828. Desarrollo y evaluación de un algoritmo de detección de glaucoma a partir de un abordaje multimodal en pacientes con miopía magna. PI: JOSÉ MARÍA MARTÍNEZ DE LA CASA FERNÁNDEZ BORRELLA.

New Non Competitive Funding

ECL 24/355-EC. ESTUDIO DE SEGUIMIENTO CLÍNICO POSCOMERCIALIZACIÓN PARA EVALUAR LA SEGURIDAD Y RENDIMIENTO DE LOS PRODUCTOS VISCOELÁSTICOS OFTALMOLÓGICOS EYEFILL SC Y EYEFILL MB. PI: JAVIER GARCIA BELLA.

ECL.23/237. UN ENSAYO MULTICÉNTRICO DE FASE III, CON ENMASCARAMIENTO DOBLE, ALEATORIZADO, CONTROLADO CON PLACEBO Y DE GRUPOS PARALELOS SOBRE LA EFICACIA DEL COLIRIO DE CITICOLINA AL 2 % EN LA CONSERVACIÓN DEL CAMPO VISUAL EN PACIENTES CON GLAUCOMA DE ÁNGULO ABIERTO. PI: JOSÉ MARÍA MARTÍNEZ DE LA CASA FERNÁNDEZ BORRELLA.

ECL.23/362. UN ESTUDIO MULTICÉNTRICO, PROSPECTIVO, DE BRAZO ÚNICO DEL USO DEL SISTEMA LÁSER VIALASE EN GLAUCOMA PRIMARIO DE ÁNGULO ABIERTO. PI: JOSÉ MARÍA MARTÍNEZ DE LA CASA FERNÁNDEZ BORRELLA.

ECL.23/496. ESTUDIO DE DOSIS MÚLTIPLES ASCENDENTES (DMA) PARA EVALUAR LA SEGURIDAD, LA TOLERABILIDAD Y LA EFICACIA DE VRDN-001, UN ANTICUERPO MONOCLONAL HUMANIZADO DIRIGIDO CONTRA EL RECEPTOR DE IGF-1, EN VOLUNTARIOS SANOS NORMALES (VSN) Y PACIENTES CON OFTALMOPATÍA TIROIDEA (OT). PI: ANGEL ROMO LOPEZ.

ECL.23/688. ESTUDIO ABIERTO PARA PARTICIPANTES QUE NO HAYAN RESPONDIDO EN LA EVALUACIÓN AL FIN DEL TRATAMIENTO EN LOS ESTUDIOS PIVOTALES VRDN-001-101 Y VRDN-001-301. PI: ANGEL ROMO LOPEZ.

ECL.23/690. ENSAYO CLÍNICO PROSPECTIVO, MULTICÉNTRICO Y ALEATORIZADO PARA EVALUAR LA SEGURIDAD Y EFICACIA DE ELIOS (LÁSER) EN COMPARACIÓN CON ISTENT INJECT W EN PACIENTES CON GLAUCOMA DE ÁNGULO ABIERTO SOMETIDOS A CIRUGÍA DE CATARATAS. PI: JULIÁN GARCÍA FEIJOO."

ECL.24/022. ESTUDIO PROSPECTIVO PARA EL ANÁLISIS Y DIAGNÓSTICO MOLECULAR DEL QUERATOCONO (QC). PI: RICARDO CUIÑA SARDIÑA.

ECL.24/324. PROYECTO LYDIA: DESARROLLO Y VALIDACIÓN DE SOFTWARE AUTOMÁTICOS PARA EL DIAGNÓSTICO DEL GLAUCOMA Y DE LA DEGENERACIÓN MACULAR ASOCIADA A LA EDAD. PI: JULIÁN GARCÍA FEIJOO.

ECL.24/391. ESTUDIO CLÍNICO PROSPECTIVO PARA EVALUAR LOS RESULTADOS DE LA NUEVA LENTE TÓRICA REFRACTIVA-DIFRACTIVA MULTIFOCAL HIDROFÓBICA ASFÉRICA TRI EDOF. PI: JAVIER GARCIA BELLA.

ECL.24/397. CRIMSON: ENSAYO MULTICÉNTRICO, ALEATORIZADO, CONTROLADO CON TRATAMIENTO SIMULADO (Y CON CONTROL ACTIVO EN LOS EE. UU.), CON ENMASCARAMIENTO DOBLE, DE 72 SEMANAS PARA ESTUDIAR LA SEGURIDAD, TOLERABILIDAD, FARMACOCINÉTICA Y EFICACIA DE 3 PAUTAS POSOLÓGICAS DE BI 764524 INTRAVÍTREO EN PACIENTES CON RETINOPATÍA DIABÉTICA NO PROLIFERATIVA DE MODERADAMENTE GRAVE A GRAVE. PI: JOSÉ IGNACIO FERNÁNDEZ-VIGO ESCRIBANO.

ECL.24/504. ESTUDIO TRANSVERSAL, MULTICÉNTRICO PARA DESCRIBIR EL ESTADO DE LA CONJUNTIVA Y LA CÁPSULA DE TENON DE SUJETOS SANOS Y PACIENTES CON DMAEN/EMD SEGUIDOS EN LA PRÁCTICA CLÍNICA EN ESPAÑA. PI: LORENZO LOPEZ GUAJARDO; JUAN DONATE LÓPEZ.

ECL.24/784. ESTUDIO LONGITUDINAL PILOTO PARA EVALUAR LA EVOLUCIÓN DE LA CONCENTRACIÓN DE BIOMARCADORES PROTEICOS EN EL EPITELIO CORNEAL DE PACIENTES CON RIESGO DE QUERATOCONO PROGRESIVO. PI: RICARDO CUIÑA SARDIÑA.

OFT-MIOP-ATROUNI-2024. Estudio de parámetros oculares en pacientes pediátricos miopes unilaterales tratados con colirio de atropina. PI: PAULA TALAVERO.

Doctorate Theses

Candidate: Irene Bermudez Castellanos. Thesis title: Evaluación de la altura y el contorno palpebral tras la inyección intravítrea de corticoides y fármacos anti-factor de crecimiento endotelial vascular. Director(s): Rosa de Hoz Montañana. University: UCM.

Candidate: Marco Brugnara (Tesis con mención internacional). Thesis title: MICRO- Y NANOTECNOLOGÍAS PARA EL TRATAMIENTO DE ENFERMEDADES OCULARES NEURODEGENERATIVAS // MICRO- AND NANOTECHNOLOGIES FOR THE TREATMENT OF NEURODEGENERATIVE OCULAR DISEASES. Director(s): María del Rocio Herrero Vanrell. University: UCM.

Candidate: Ainhoa Colina Jareño. Thesis title: RELACIÓN ENTRE CAMPO VISUAL Y VASCULARIZACIÓN EN LA MÁCULA Y NERVIÓ ÓPTICO EN PACIENTES CON GLAUCOMA. Director(s): Carmen Dora Mendez Hernandez. University: UCM.

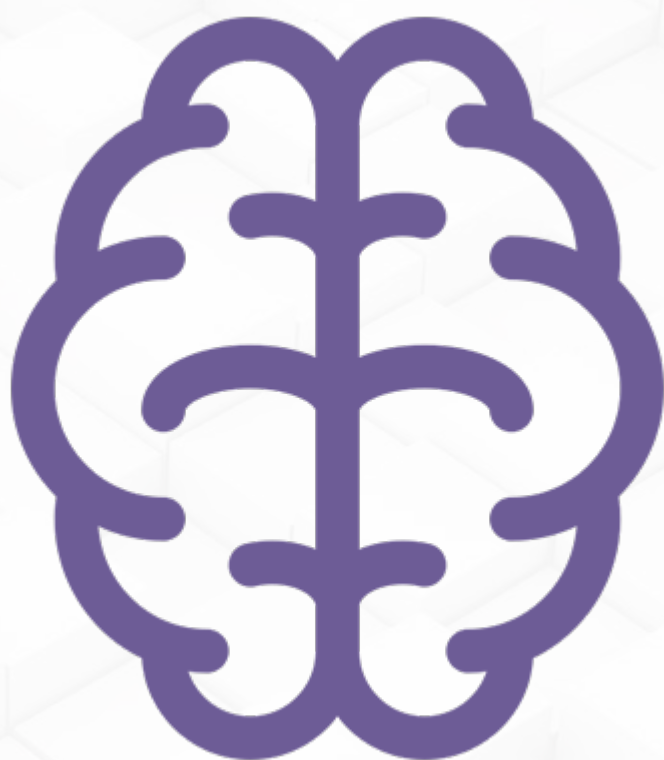
Candidate: ALEJANDRO GOMEZ GOMEZ. Thesis title: Factores de riesgo de pérdida de visión, aparición de complicaciones oftalmológicas y de remisión en pacientes con uveítis no infecciosa: un análisis de supervivencia. Director(s): David Díaz-Valle. University: UCM.

Candidate: MIGUEL VISO GARROTE. Thesis title: Estudio de la liofilización en la preparación del colirio de suero autólogo. Director(s): David Díaz-Valle. University: UCM.

Candidate: MARÍA ZULEMA HERNANDEZ CARRANZA. Thesis title: Estudio comparativo de la densidad del cristalino en pacientes con historia de uveítis anterior aguda en el complejo hospitalario de Toledo. Director(s): Pedro Beneyto Martín. University: UCM.

Visiting

Visiting researcher: VALERIA MIER SALAZAR. Country of origin: MEXICO. Center: CENTRO DE INVESTIGACION BIOMEDICA DE LA UNIVERSIDAD AUTÓNOMA DE COAHUILA. Project: Estudio del comportamiento de la glia en procesos neurodegenerativos retiniannos en modelos animales. Period: 15/10/2024 - 03/12/2024.



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NEC.22

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

Leading researcher

José Martínez Orgado

Members

Ana Isabel Corrales Talavante	Luis Felipe Ávila Ramírez
Ángela Romero Sánchez	M ^a José Rodríguez Castaño
Araceli Corredera Sánchez	María De Hoz Rivera
Belén Daisy Ordóñez Miyar	María De Los Ángeles Rodríguez Martínez
Belén Joyanes Abancens	María Del Carmen Hernández Sánchez
Carmen Soto Beauregard	María Isabel Armada Maresca
Cristina Cortes Ledesma	María Martínez Vega
Eva Esther Domínguez Amillo	Mariangélica González Aranguren
Gloria Herranz Carrillo	Marta Ordax Soler
Isabel Cuellar Flores	Nadia Flores Hermosa
Jaime Rodríguez De Alarcón	Nerea Huertos Soto
Jose Manuel Mejías Carrasco	Niki Oikonomopoulou
Juan Manuel Gómez Cervantes	Pilar Guillén Redondo
Laura Silva Colmenar	Raquel Vecino López
Lucía Costas Sanz	Teresa De Santos Moreno
Luis Arruza Gómez	Virginia De La Fuente Iglesias



Scientific production

12

Nº of papers (WoS)

67%(8)

% Open Access (Nº)

9

Nº of papers JCR indexed

100%(9)

% Citable Items (Nº)

78%(7)

Q1 (citable items)

22%(2)

D1 (citable items)

32.10

Cumulative IF

3.57

Average IF

Lines of Research

- Cannabidiol in the treatment of neonatal acquired brain injury.
- New biomaterials-based treatment for neonatal cerebral infarction.
- Cardiovascular origin and influence in neonatal brain damage.
- Cannabidiol for the treatment of refractory epilepsies.
- Multi-organ damage of inflammatory origin secondary to cerebral or systemic hypoxic-ischaemic events: physiopathology and therapeutic role of cannabidiol.
- Neurogenetics and diseases of the nervous system in childhood.

Selected Publications

VILLA CRUZ, MARÍA, MARTÍNEZ VEGA, MARÍA, SILVA COLMENAR, LAURA, Muneta-Arrate, Itziar, Gomez-Soria, Ana, Muguruza, Carolina, DEL POZO SANZ, AARON, DE HOZ RIVERA, MARÍA, ROMERO SÁNCHEZ, ÁNGELA, Callado, Luis F., Casarejos, Maria Jose, MARTÍNEZ ORGADO, JOSÉ. Effects of cannabidiol in post-stroke mood disorders in neonatal rats. PEDIATRIC RESEARCH. 2024. 95(7):1783-1790. DOI: 10.1038/s41390-024-03077-8. IF: 3,1. (Q1).

DEL POZO SANZ, AARON, DE HOZ RIVERA, MARÍA, ROMERO SÁNCHEZ, ÁNGELA, VILLA CRUZ, MARÍA, MARTINEZ-NOVILLO GONZALEZ, MERCEDES, SILVA COLMENAR, LAURA, Piscitelli, Fabiana, Di Marzo, Vincenzo, GUTIÉRREZ RODRÍGUEZ, ANA, Hind, William, MARTÍNEZ ORGADO, JOSÉ. Cannabidiol reduces intraventricular hemorrhage brain damage, preserving myelination and preventing blood brain barrier dysfunction in immature rats. Neurotherapeutics. 2024. 21(2). DOI: 10.1016/j.neurother.2024.e00326. IF: 5,6. (D1).

VILLA CRUZ, MARÍA, MARTÍNEZ VEGA, MARÍA, SILVA COLMENAR, LAURA, ROMERO SÁNCHEZ, ÁNGELA, DE HOZ RIVERA, MARÍA, Prados, Maria Eugenia, Munoz, Eduardo, MARTÍNEZ ORGADO, JOSÉ. Neuroprotective effects of VCE-004.8 in a rat model of neonatal stroke. EUROPEAN JOURNAL OF PHARMACOLOGY. 2024. 972. DOI: 10.1016/j.ejphar.2024.176554. IF: 4,2. (Q1).

New Competitive Funding

PIPF-2023/SAL-GL-30910. Contratación de personal investigador predoctoral en formación 2023 - María de Hoz. PI: JOSÉ MARTÍNEZ ORGADO.

PEJ-2023-TL/SAL-GL-27202. Ayudas para contratación de Ayudantes de Investigación y Técnicos de Laboratorio 2023. PI: CARMEN SOTO BEAUREGARD.

CM23/00051. Contrato Rio Hortega: Cristina Cortés Ledesma. PI: JOSÉ MARTÍNEZ ORGADO.

PI23/00733. Variación madurativa de actividad de Glicoproteína P, su influencia en la respuesta a tratamientos protectores/anticonvulsivantes, y su modificación por cannabidiol en ratas neonatas tras hipoxia-isquemia. PI: JOSÉ MARTÍNEZ ORGADO.

INT23/00010. Contratos para la Intensificación de la actividad investigadora en el SNS: Luis Arruza. PI: LUIS ARRUZA GÓMEZ.

ICF.P01.IR.24. Programa Investigación Responsable 2024: Entornos psicológicamente informados: Mejora de la experiencia de la familia del paciente, satisfacción con el servicio y salud emocional en madres y padres en el Servicio de Neonatología del Hospital Clínico San Carlos. PI: ISABEL CUELLAR FLORES.

Research Mobility

Researcher: Laura Silva Colmenar. Destination country: España. Center: Instituto Nacional de Paraplégicos de Toledo Date of arrival: 01/03/2024 - Date of departure: 01/06/2024.

Visiting

Visiting researcher: Richard Deckelbaum. Country of origin: USA. Center: Columbia University (New York). Project: JMO.M01DEC. Period: 14/04/2024 - 16/04/2024.

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ONCOLOGY

ONCOLOGY AREA (ONC)



ONCOLOGY

Groups

- ONC.1 Clinical and Translational Research in Oncology
- ONC.2 Cancer and Obesity
- 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

Leading researcher	
Strengthen the relationship between the research groups located at UCM and the research groups located at the HCSC	Completed 
Improvement and fluidity in procedures for the different groups in the area and pathological anatomy	Completed 
Establish funding channels or actions to provide resources for research in the area	Completed 

Selected 5 publications

Gelderblom, Hans, Bhadri, Vivek, Stacchiotti, Silvia, Bauer, Sebastian, Wagner, Andrew J., van de Sande, Michiel, Bernthal, Nicholas M., Pousa, Antonio Lopez, Razak, Albiruni Abdul, Italiano, Antoine, Ahmed, Mahbub, Le Cesne, Axel, Tinoco, Gabriel, Boye, Kjetil, Martin-Broto, Javier, Palmerini, Emanuela, Tafuto, Salvatore, Pratap, Sarah, Powers, Benjamin C., Reichardt, Peter, CASADO HERRÁEZ, ANTONIO, Rutkowski, Piotr, Tait, Christopher, Zarins, Fiona, Harrow, Brooke, Sharma, Maitreyi G., Ruiz-Soto, Rodrigo, Sherman, Matthew L., Blay, Jean-Yves, Tap, William D., MOTION Investigators. Vimseltinib versus placebo for tenosynovial giant cell tumour (MOTION): a multicentre, randomised, doubleblind, placebo-controlled, phase 3 trial. *Lancet*. 2024. 403(10445):2709-2719. DOI: 10.1016/S0140-6736(24)00885-7. IF: 98,4. (D1).

BENITEZ FUENTES, JAVIER DAVID, Morgan, Eileen, DE LUNA AGUILAR, ALICIA, Mafrá, Allini, Shah, Richa, Giusti, Francesco, Vignat, Jerome, Znaor, Ariana, Musetti, Carina, Yip, Cheng-Har, Van Eycken, Liesbet, Jedy-Agba, Elima, Pineros, Marion, Soerjomataram, Isabelle. Global Stage Distribution of Breast Cancer at Diagnosis. *JAMA Oncology*. 2024. 10(1):71-78. DOI: 10.1001/jamaoncol.2023.4837. IF: 22,5. (D1).

Kentistou, Katherine A., Kaisinger, Lena R., Stankovic, Stasa, Vaudel, Marc, de Oliveira, Edson Mendes, Messina, Andrea, Walters, Robin G., Liu, Xiaoxi, Busch, Alexander S., Helgason, Hannes, Thompson, Deborah J., et., GARCÍA SÁENZ, JOSÉ ÁNGEL, Gonzalez-Neira, Anna, Grallert, Harald, Guenel, Pascal, Haiman, Christopher A., Hall, Per, Hamann, Ute, Hakonarson, Hakon, Hart, Roger J., Hickey, Martha, Hoening, Maartje J., Hoppe, Reiner, Hopper, John L., et., Abctb Investigators, Lifelines Cohort Study, Danish Blood Donor Study, Ovarian Canc Assoc Consortium, Breast Canc Assoc Consortium, Biobank Japan Project, China Kadoorie. Understanding the genetic complexity of puberty timing across the allele frequency spectrum. *NATURE GENETICS*. 2024. 56(7):1397. DOI: 10.1038/s41588-024-01798-4. IF: 31,7. (D1).

Bamias, Aristotelis, Davis, Ian, Galsky, Matthew, Arranz, Jose a, Kikuchi, Eiji, Grande, Enrique, Muro, Xavier Garcia del, Park, Se Hoon, De Giorgi, Ugo, Alekseev, Boris, Mencinger, Marina, Izumi, Kouji, Schutz, Fabio A., PUENTE VÁZQUEZ, JAVIER, Li, Jian-Ri, Panni, Stefano, Gumus, Mahmut, Oezguero-glu, Mustafa, Mariathan, Sanjeev, Poloz, Yekaterina, Bene-Tchaleu, Fabiola, Lee, Chooi, Bernhard, Sandrine, De Santis, Maria. Atezolizumab monotherapy versus chemotherapy in untreated locally advanced or metastatic urothelial carcinoma (IMvigor130): final overall survival analysis from a randomised, controlled, phase 3 study. *LANCET ONCOLOGY*. 2024. 25(1):46-61. DOI: 10.1016/S1470-2045(23)00539-9. IF: 41,6. (D1).

Arend, Rebecca C., Monk, Bradley J., Shapira-Frommer, Ronnie, Haggerty, Ashley F., Alvarez, Edwin A., Amit, Amnon, Secord, Angeles Alvarez, Muller, Carolyn, CASADO HERRÁEZ, ANTONIO, Herzog, Thomas J., Tewari, Krishnansu S., Cohen, Joshua G., Huang, Marilyn, Yachnin, Adelya, Holeman, Laura L., Ledermann, Jonathan A., Minei, Tamar Rachmilewitz, Buyse, Marc, Shmueli, Shifra Fain, Lavi, Michal, Harats, Dror, Penson, Richard T., OVAL GOG Investigators. Ofranergene Obadenovec (Ofra-Vec, VB-111) With Weekly Paclitaxel for Platinum-Resistant Ovarian Cancer: Randomized Controlled Phase III Trial (OVAL Study/GOG 3018). *JOURNAL OF CLINICAL ONCOLOGY*. 2024. 42(2). DOI: 10.1200/JCO.22.02915. IF: 42,1. (D1).

ONC.1

Clinical and Translational Research in Oncology

Leading researcher

Pedro Pérez Segura

Members

Ada Esteban Sánchez	Julia Barrios Barriga
Adrián Garrido Hernández	Laura Carrasco Sánchez
Adrián Rodríguez Manzanedo	Laura García Bravo
Adrián Sanvicente García	Laura Torresano Cicuéndez
Alberto Benito Martín	Lobna Ramadane Morchadi
Alberto Ocaña Fernández	Lorena Fernández Montarroso
Alberto Orta Ruiz	Lucía Paniagua Herranz
Alfonso López De Sá Lorenzo	Luis Ortega Medina
Alicia Fuentes Martín	Luisa Morillas Perruca
Alicia García Montes-Jovellar	Mª De Los Ángeles Cerón Nieto
Alicia Gómez Sanz	Mª Isabel Galante Romo
Alvaro Serrano Pascual	Manuel Gonzalo Vázquez Masedo
Ana María Colino Gallardo	Marco Ciappara Paniagua
Ana Martínez Rodríguez	María Begoña Ferrer Mesequer
Ana Paula Leiva Asenjo	María Carmen Sáez Rodríguez
Antonio Casado Herráez	María Clara Díez Sañudo
Aránzazu Manzano Fernández	María Del Carmen Romero Fernández
Beatriz García Paredes	María Del Rosario Alfonso San Segundo
Beatriz Pérez-Villamil Salgado	María Elena Gómez Del Pulgar Gutiérrez
Belén Cobaleda Esteban	María García Rodríguez
Carlos Aguado De La Rosa	María Helena Huertas Mondejar
Carlos Alfredo Fraile Oliveros	María Jesus Fernández Aceñero
Cristina Díaz Del Arco	María Luisa González Morales
Cristina Díaz-Tejero Rodríguez	María Luisa Suarez Solís
Cristina Nieto Jiménez	María Mateos González
Daniel Parra Corral	María Teresa Moreno Fernández
David Alonso Prieto	Marina Moreno Mayorga
David De Pablo Velasco	Marta Amann Arévalo
Dolores García López	Marta Vidaurreta Lázaro
Elena López Calzada	Mateo Paz Cabezas
Elena Milagrosa Molina Roldán	Melchor Saiz-Pardo Sanz
Elena Núñez González	Melody Marrero García
Enrique Redondo González	Miguel Ángel García Brenes
Estela Labad Delgado	Miguel De La Hoya Mantecón
Eva Rodríguez Escudero	Miguel López García
Fernando Moreno Antón	Miquel Martínez Fontanillas
Gabriel Garcia Salamero	Montserrat De La Torre Serrano
Gloria Marquina Ospina	Natalia Pérez Romero
Helena Olivera Pérez-Frade	Natalia Vidal Cassinello
Ignacio Moreno Pérez	Pablo Rodríguez Olmedo
Igor Gregorio López Cade	Passio Beatriz Santos Capa
Inés Bartolomé Asensio	Patricia Barreiro Sanabria
Inmaculada Bando Polaino	Paula Diaque García

Scientific production

250

Nº of papers (WoS)

44% (111)

% Open Access (Nº)

236

Nº of papers JCR indexed

63% (148)

% Citable Items (Nº)

72% (107)

Q1 (citable items)

28% (42)

D1 (citable items)

1107,48

Cumulative IF

7.48

Average IF

Isabel Casado Fariñas	Paula Gijón Rodríguez
Javier David Benítez Fuentes	Paula González Heras
Javier Hoya Cano	Pedro Pérez Segura
Javier Puente Vázquez	Pilar Garre Rubio
Javier Sastre Valera	Raquel Fernández Blanco
Jesús Fuentes Antrás	Raquel Rodríguez Damiano
Jesús María Salinas Casado	Ricardo García Martínez
Jesús Moreno Sierra	Sandra Gutiérrez García
Jorge Bartolomé Arcilla	Sandra Rico Galve
José Ángel García Sáenz	Santiago Cabezas Camarero
José Antonio Cortés Toro	Sara Cañas Herrera
José Carlos Plaza Hernández	Sara Paloma Sánchez Rivas
José Luis González Larriba	Sara Rafael Fernández
Jose Luis Senovilla Pérez	Susana Campuzano Ruiz
José Manuel Morales Gómez	Teresa Salas García-Talavera
Jose Manuel Pingarrón Carrazón	Vanesa García Barberán
Juan Antonio Corona Sánchez	Víctor Lorca Castellanos
Juan Gómez Rivas	Virginia Acedo Jiménez



Lines of Research

- Identification of predictive response factors and new therapeutic targets in colon, breast, glioma and prostate cancer and design and analysis of the efficacy of new therapies in preclinical models of these tumours.
- Pharmacogenomic study of predictive factors of response and toxicity in digestive cancer, ovarian, breast and lung cancer. Analysis of global gene expression. Study of pathological and pharmacodynamic and pharmacogenetic molecular determinants.
- Liquid Biopsy and Biomarkers: a) Biomarkers in liquid biopsy (circulating nucleic acids, circulating tumour cells, vesicles) in cancer patients. Potential use as non-invasive prognostic and predictive biomarkers; b) Mechanistic analysis of circulating nucleic acids in vesicles in the tumour environment and their influence on tumorigenic processes.
- Molecular mechanisms of genetic susceptibility to cancer (Breast-Ovarian Syndrome and Lynch Syndrome) Microarray and microRNA platform.

Selected Publications

BENITEZ FUENTES, JAVIER DAVID, Morgan, Eileen, DE LUNA AGUILAR, ALICIA, Mafra, Allini, Shah, Richa, Giusti, Francesco, Vignat, Jerome, Znaor, Ariana, Musetti, Carina, Yip, Cheng-Har, Van Eycken, Liesbet, Jedy-Agba, Elima, Pineros, Marion, Soerjomataram, Isabelle. Global Stage Distribution of Breast Cancer at Diagnosis. *JAMA Oncology*. 2024. 10(1):71-78. DOI: 10.1001/jamaoncol.2023.4837. IF: 22,5. (D1).

DÍAZ-TEJEIRO RODRÍGUEZ, CRISTINA, Arenas-Moreira, Maria, SANVICENTE GARCÍA, ADRIÁN, PANIAGUA HERRANZ, LUCÍA, Clemente-Casares, Pilar, Bravo, Ivan, Alonso-Moreno, Carlos, NIETO JIMÉNEZ, CRISTINA, OCAÑA FERNANDEZ, ALBERTO. Antitumoral activity of a CDK12 inhibitor in colorectal cancer through a liposomal formulation. *BIOMEDICINE & PHARMACOTHERAPY*. 2024. 178. DOI: 10.1016/j.biopha.2024.117165. IF: 6,9. (D1).

CABEZAS CAMARERO, SANTIAGO, GARCÍA BARBERÁN, VANESA, PEREZ ALFAYATE, REBECA, GÓMEZ DEL PULGAR GUTIÉRREZ, MARÍA ELENA, CABRERA MARTIN, MARIA NIEVES, CASADO FARIÑAS, ISABEL, PÉREZ SEGURA, PEDRO. Plasma ctDNA Monitoring of a PTCH1-Mutant Metastatic Adult Medulloblastoma Showing a Durable Benefit With Vismodegib. *Oncologist*. 2024. DOI: 10.1093/oncolo/oyae026. IF: 4,8. (Q1).

Award

Researcher aware: Marina García Gómez. Award: Premio al mejor Póster destacado. Awarded work: Análisis retrospectivo de supervivencia en carcinomas de ovario avanzado (COA) en función del tipo de cirugía y la incorporación de nuevos tratamientos (bevacizumab e inhibidores de PARP).

Researcher aware: Marina García Gómez. Award: Bolsa de viaje SEOM para rotaciones externas de dos meses para residentes de 5º Año.

Researcher aware: Alicia Escudero. Award: 1er Concurso de casos clínicos en cáncer de mama, II simposio Mamacentro. Awarded work: Dianas terapéuticas en el cáncer de mama luminal mas allá del receptor de estrógeno y la vía PI3K-AKT-mTOR: a raíz de un caso clínico de una paciente con síndrome de Lynch.

Clinical Practice Guidelines

Ray-Coquard, Isabelle, Casali, Paolo Giovanni, Croce, Sabrina, Fennessy, Fiona M., Fischerova, Daniela, Jones, Robin, Sanfilippo, Roberta, Zapardiel, Ignacio, Amant, Frederic, Blay, Jean-Yves, Martin-Broto, Javier, CASADO HERRÁEZ, ANTONIO, Chiang, Sarah, Dei Tos, Angelo Paolo, Haas, Rick, Hensley, Martee L., Hohenberger, Peter, Kim, Jae-Weon, Kim, Se Ik, Meydanli, Mehmet Mutlu, Pautier, Patricia, Razak, Albiruni R. Abdul, Sehoul, Jalid, van Houdt, Winan, Planchamp, Francois, Friedlander, Michael. ESGO/EURACAN/GCIG guidelines for the management of patients with uterine sarcomas. *INTERNATIONAL JOURNAL OF GYNECOLOGICAL CANCER*. 2024. DOI: 10.1136/ijgc-2024-005823.

Ospina, Aylen Vanessa, Nadal, Sergio Bolufer, de la Cruz, Jose Luis Campo-Canaveral, GONZÁLEZ LARRIBA, JOSÉ LUÍS, Vidueira, Ivan Macia, Sureda, Bartomeu Massuti, Nadal, Ernest, HERNANDO TRANCHO, FLORENTINO, Kindelan, Antonio Alvarez, Morillo, Edel Del Barco, Caro, Reyes Bernabe, Barrera, Joaquim Bosch, de Juan, Virginia Calvo, Rubio, Joaquin Casal, de Castro, Javier, Ramos, Angel Cilleruelo, Dols, Manuel Cobo, Gomez, Manuel Domine, Almanzar, Santiago Figueroa, Campelo, Rosario Garcia, Molla, Amelia Insa, JARABO SARCEDA, JOSÉ RAMÓN, Maestre, Unai Jimenez, Castro, Rafael Lopez, Majem, Margarita, Martinez-Marti, Alex, Tellez, Elisabeth Martinez, Lorente, David Sanchez, Provencio, Mariano. Multidisciplinary approach for locally advanced non-small cell lung cancer (NSCLC): 2023 expert consensus of the Spanish Lung Cancer Group GECP. *CLINICAL & TRANSLATIONAL ONCOLOGY*. 2024. DOI: 10.1007/s12094-024-03382-y.

Richardson, Marcy E., Holdren, Megan, Brannan, Terra, DE LA HOYA MANTECÓN, MIGUEL, Spurdle, Amanda B., V. Tavtigian, Sean, Young, Colin C., Zec, Lauren, Hiraki, Susan, Anderson, Michael J., Walker, Logan C., McNulty, Shannon, Turnbull, Clare, Tischkowitz, Marc, Schon, Katherine, Slavin, Thomas, Foulkes, William D., Cline, Melissa, Monteiro, Alvaro N., Pesaran, Tina, Couch, Fergus J.. Specifications of the ACMG/AMP variant curation guidelines for the analysis of germline ATM sequence variants. *AMERICAN JOURNAL OF HUMAN GENETICS*. 2024. DOI: 10.1016/j.ajhg.2024.08.022.

Lopez, Carlos Lopez, CALVO AREVALO, MARTA, Camara, Juan Carlos, GARCÍA PAREDES, BEATRIZ, Gomez-Martin, Carlos, Lopez, Ana Maria, Pazo-Cid, Roberto, SASTRE VALERA, JAVIER, Yaya, Ricardo, Feliu, Jaime. SEOM-GEMCAD-TTD clinical guidelines for the management of hepatocarcinoma patients (2023). *CLINICAL & TRANSLATIONAL ONCOLOGY*. 2024. DOI: 10.1007/s12094-024-03568-4.

Carrion, Diego M., Baekelandt, Loic, Socarras, Moises Rodriguez, Brinkman, Willem M., de Oliveira, Tiago Ribeiro, Pini, Giovannalberto, de Vries, Anna H., Bujoreanu, Cristina E., Silvestri, Tomasso, Skolarikos, Andreas, Petrut, Bogdan, Veneziano, Domenico, Greco, Francesco, Alvarez-Maestro, Mario, Sanchez-Salas, Rafael, Tourinho-Barbosa, Rafael Rocha, Liatsikos, Evangelos, Somanis, Bhaskar, GOMEZ RIVAS, JUAN, Zondervan, Patricia J.. Development of the European Laparoscopic Intermediate Urological Skills LUSs2 Curriculum: A Delphi Consensus from the European School of Urology. *European Urology Open Science*. 2024. DOI: 10.1016/j.euros.2024.08.023.

Borau, A., SALINAS CASADO, JESÚS MARÍA, Allue, M., Castro-Diaz, D., Esteban, M., Arlandis, S., Virseda, M., Adot, J. M.. Consensus update on the therapeutic approach to patients with neurogenic detrusor overactivity. *ACTAS UROLOGICAS ESPANOLAS*. 2024. DOI: 10.1016/j.acuro.2024.04.004.

Martin, Andres Munoz, Trujillo-Santos, Antonio Javier, Marti, Edelmir, Jara-Palomares, Luis, Montero, Raquel Macias, Gallardo, Enrique, Lopez-Nunez, Juan Jose, Brozos-Vazquez, Elena, Robles-Marinas, Veronica, PÉREZ SEGURA, PEDRO, Ruiz-Artacho, Pedro. Improvement of thrombosis management in patients with cancer: a practical consensus document of recommendations for cancer-associated thrombosis patients' healthcare in Spain. *CLINICAL & TRANSLATIONAL ONCOLOGY*. 2024. DOI: 10.1007/s12094-023-03379-z.

Sakalis, Vasileios, Bhattacharya, Yagnaseni, Beyer, Katharina, Murray, Charlotte, Smith, Emma Jane, Willemse, Peter-Paul M., Gandaglia, Giorgio, Boissier, Romain, Borkowetz, Angelika, Dabestani, Saeed, Leenen, Renee C. A., Vilaseca, Antoni, Maresca, Gianluca, Teoh, Jeremy, GOMEZ RIVAS, JUAN, Rajwa, Pawel, Lardas, Michael, Grivas, Nikolas, van den Broeck, Thomas, Pradere, Benjamin, Schouten, Natasha, Tandogdu, Zafer, Evans-Axelsson, Susan, MacLennan, Steven, Thomas, Marlene, Briganti, Alberto, Bjartell, Anders, Cornford, Phil, Kruger, Hagen, N'Dow, James, Roobol, Monique J., Omar, Muhammad Imran, OPTIMA Consortium. AGREE II Quality Assessment of National and International Clinical Practice Guidelines on Prostate Cancer Management by the OPTIMA Consortium. *European Urology Open Science*. 2024. DOI: 10.1016/j.euros.2024.10.020.

Doctorate Theses

Candidate: Raquel Behar Lagares. Thesis title: Caracterización del splicing alternativo en genes de susceptibilidad al cáncer de mama y ovario: anotaciones de relevancia clínica. Director: Miguel de la Hoya Mantecón. University: Universidad Complutense de Madrid.

New Competitive Funding

CP23/00046. Contrato Miguel Servet: Alberto Benito Martín. PI: ALBERTO BENITO MARTÍN.

JPV.SEOM.23. AYUDA INTENSIFICACIÓN PARA JOVENES INVESTIGADORES: Modelo de predicción de resistencia al Bacilo de Calmette-Guérin (BCG) en Carcinoma de Vejiga no-Músculo Infiltrante (CVNMI): Estudio REDBLADDER Marzo. PI: JAVIER PUENTE VÁZQUEZ.

MHM.P04,PAIE.24. PROGRAMA DE APOYO A PROYECTOS DE INVESTIGADORES ESTABILIZADOS: "Análisis de splicing en personas portadoras de variantes de significado incierto: desarrollo de una nueva metodología que aumente el rendimiento diagnóstico". PI: MIGUEL DE LA HOYA MANTECÓN.

PEJ-2023-TL/SAL-GL-26744. Ayudas para contratación de Ayudantes de Investigación y Técnicos de Laboratorio 2023. PI: LUIS ORTEGA MEDINA.

PEJ-2023-TL/SAL-GL-26958. Ayudas para contratación de Ayudantes de Investigación y Técnicos de Laboratorio 2023. PI: PILAR GARRE RUBIO.

PIPF-2023/SAL-GL-29532. Contratación de personal investigador predoctoral en formación 2023 - María Elena Gómez del Pulgar. PI: VANESA GARCÍA BARBERÁN.

New Non Competitive Funding

CNJ.C01FAC. Evaluación de la combinación terapéutica de PROTACs de EZH2 con inmunoterapia en diferentes modelos de cáncer de ovario y mama triple negativo. PI: CRISTINA NIETO JIMÉNEZ.

ECL.20/746. MODELO DE PREDICCIÓN DE RESISTENCIA AL BACILO DE CALMETTE-GUÉRIN (BCG) EN CARCINOMA DE VEJIGA NO-MÚSCULO IN-FILTRANTE (CVNMI): ESTUDIO REBBLAD. PI: JAVIER PUENTE VÁZQUEZ.

ECL.23/104. GESTATIONAL TROPHOBLASTIC NEOPLASIA ULTRASOUND ASSESSMENT: TITANIUM STUDY. PI: GLORIA MARQUINA OSPINA.

ECL.23/131. ANSIEDAD, DEPRESIÓN, ACEPTACIÓN Y CALIDAD DE VIDA DE LOS PACIENTES CON SARCOMAS EN DIFERENTES FASES DE LA ENFERMEDAD. PI: GLORIA MARQUINA OSPINA.

ECL.23/157. ESTUDIO MARCO ABIERTO DE FASE IB/II PARA EVALUAR LA SEGURIDAD Y EFICACIA DE ELACESTRANT EN VARIAS COMBINACIONES EN PACIENTES CON CÁNCER DE MAMA METASTÁSICO (ELEVATE). PI: JOSÉ ÁNGEL GARCÍA SÁENZ.

ECL.23/183. REACTIVACIÓN DE LA RESPUESTA INMUNE EFECTIVA MEDIANTE EL USO DE NANOPARTICULAS EN MELANOMA. PI: CARLOS AGUADO DE LA ROSA."

ECL.23/276. ESTUDIO DE FASE I, ABIERTO PARA EVALUAR EL EFECTO DEL RIPRETINIB EN LA FARMACOCINÉTICA DE UN SUSTRATO SONDA SENSIBLE PARA EL CYP3A (MIDAZOLAM) EN PACIENTES CON TUMORES DEL ESTROMA GASTROINTESTINAL (TEGI) AVANZADOS. PI: ANTONIO CASADO HERRÁEZ.

ECL.23/329. ENSAYO DE FASE III, MULTICÉNTRICO, ALEATORIZADO, CONTROLADO CON PLACEBO Y CON DOBLE ENMASCARAMIENTO SOBRE EL TRATAMIENTO DE MANTENIMIENTO CON SELINEXOR TRAS UN TRATAMIENTO SISTÉMICO EN PACIENTES CON CARCINOMA ENDOMETRIAL AVANZADO O RECURRENTE SIN MUTACIONES EN LA PROTEÍNA P53. PI: ANTONIO CASADO HERRÁEZ.

ECL.23/352. ESTUDIO DE FASE I/II DE REGN5668 (ANTÍGENO BIESPECÍFICO COESTIMULADOR MUC16XCD28) ADMINISTRADO EN COMBINACIÓN CON CEMIPIMAB O REGN4018 (ANTICUERPO BIESPECÍFICO MUC16XCD3). PI: ANTONIO CASADO HERRÁEZ.

ECL.23/393. ESTUDIO DE FASE 3 MULTICÉNTRICO, ALEATORIZADO Y ABIERTO QUE EVALÚA LA EFICACIA DE LA COMBINACIÓN DE DOBLETE DE PLATINO CON SOTORASIB FRENTE A LA COMBINACIÓN DE DOBLETE DE PLATINO CON PEMBROLIZUMAB COMO TRATAMIENTO DE PRIMERA LÍNEA EN SUJETOS CON CÁNCER DE PULMÓN NO MICROCÍTICO Y NO ESCAMOSO EN ESTADIO IV O EN ESTADIO IIIB/C AVANZADO, NEGATIVO PARA PD-L1 Y POSITIVO PARA P.G12C EN EL KRAS (CODEBREAK 202). PI: JOSÉ LUÍS GONZÁLEZ LARRIBA.

ECL.23/395. CAMBRIA-2: ESTUDIO EN FASE III, ABIERTO Y ALEATORIZADO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE CAMIZESTRANT (AZD9833, UN DEGRADADOR SELECTIVO DEL RECEPTOR DE ESTRÓGENOS POR VÍA ORAL DE ÚLTIMA GENERACIÓN) FRENTE A LA HORMONOTERAPIA ESTÁNDAR (INHIBIDOR DE LA AROMATASA O TAMOXIFENO), COMO TRATAMIENTO ADYUVANTE EN PACIENTES CON CÁNCER DE MAMA EN FASE TEMPRANA RE+/HER2- Y UN RIESGO INTERMEDIO-ALTO DE RECIDIVA QUE HAN COMPLETADO TRATAMIENTO LOCORREGIONAL DEFINITIVO Y NO PRESENTAN INDICIOS DE ENFERMEDAD. PI: JOSÉ ÁNGEL GARCÍA SÁENZ

ECL.23/418. ESTUDIO EN FASE IIB/III, ALEATORIZADO, CONTROLADO Y ABIERTO, DE LURBINECTEDINA EN COMBINACIÓN CON DOXORRUBICINA FRENTE A DOXORRUBICINA EN MONOTERAPIA, COMO TRATAMIENTO DE PRIMERA LÍNEA EN PACIENTES CON LEIOMIOSARCOMA METASTÁSICO. PI: ANTONIO CASADO HERRÁEZ.

ECL.23/433. ESTUDIO DE FASE I ABIERTO, MULTICÉNTRICO, DE AUMENTO ESCALONADO Y DE AMPLIACIÓN DE LA DOSIS, QUE EVALÚA LA SEGURIDAD, LA FARMACOCINÉTICA Y LA ACTIVIDAD DE RO7656594 EN PACIENTES CON CÁNCER DE PRÓSTATA AVANZADO O METASTÁSICO. PI: JAVIER PUENTE VÁZQUEZ.

ECL.23/467. ESTUDIO DE FASE II, ABIERTO, ALEATORIZADO, CON DISEÑO DE PLATAFORMA QUE UTILIZA UN PROTOCOLO MAESTRO PARA EVALUAR NUEVAS COMBINACIONES DE INMUNOTERAPIA PARA EL TRATAMIENTO EN PRIMERA LÍNEA DE PACIENTES CON CARCINOMA DE CÉLULAS

ESCAMOSAS DE CABEZA Y CUELLO RECURRENTE/METASTÁSICO CON EXPRESIÓN POSITIVA DE PD-L1. PI: SANTIAGO CABEZAS CAMARERO.

ECL.23/470. ESTUDIO DE FASE II MULTICÉNTRICO, INTERNACIONAL, ALEATORIZADO, PROSPECTIVO, ABIERTO Y NO COMPARATIVO DE LUTECIO [177LU] VIPIVOTIDA TETRAXETANO (AAA617) EN MONOTERAPIA Y LUTECIO [177LU] VIPIVOTIDA TETRAXETANO (AAA617) EN COMBINACIÓN CON INHIBIDORES DE LA VÍA DEL RECEPTOR ANDROGÉNICO EN PACIENTES CON CÁNCER DE PRÓSTATA RESISTENTE A LA CASTRACIÓN CON PET-PSMA POSITIVO (PSMACARE). PI: JAVIER PUENTE VÁZQUEZ."

ECL.23/508. ESTUDIO FASE 2, ABIERTO, DE UN SOLO BRAZO, DE SACITUZUMAB GOVITECAN PERIOPERATORIO EN COMBINACIÓN CON ZIMBERELIMAB Y DOMVANALIMAB EN PACIENTES CON CÁNCER DE VEJIGA MÚSCULO-INVASIVO NO ELEGIBLES PARA QUIMIOTERAPIA BASADA EN CISPLATINO. PI: JAVIER PUENTE VÁZQUEZ.

ECL.23/510. ESTUDIO PARA EVALUAR LA SEGURIDAD Y LA TOLERABILIDAD DEL INHIBIDOR COVALENTE DE LA FOSFATIDILINOSITOL-3-QUINASA-ALFA (PI3K?), TOS-358, EN SUJETOS ADULTOS CON DETERMINADOS TUMORES SÓLIDOS. PI: JORGE BARTOLOMÉ ARCILLA.

ECL.23/546. SEGUIMIENTO PERSONALIZADO CON BIOPSIA LÍQUIDA PARA MONITORIZAR LA RESPUESTA Y LA EVOLUCIÓN EN EL CÁNCER DE MAMA LOCALMENTE AVANZADO HER+ Y TN. (PERLA1). PI: JOSÉ ÁNGEL GARCÍA SÁENZ.

ECL.23/546. SEGUIMIENTO PERSONALIZADO CON BIOPSIA LÍQUIDA PARA MONITORIZAR LA RESPUESTA Y LA EVOLUCIÓN EN EL CÁNCER DE MAMA LOCALMENTE AVANZADO HER+ Y TN. (PERLA1). PI: VANESA GARCÍA BARBERÁN.

ECL.23/550. ENSAYO ALEATORIZADO ABIERTO DE FASE II SOBRE EL AGONISTA DE TLR7/8 TRANSCON EN COMBINACIÓN CON PEMBROLIZUMAB, EL AGONISTA DE TLR7/8 TRANSCON EN COMBINACIÓN CON IL-2 B/IT TRANSCON, O PEMBROLIZUMAB EN MONOTERAPIA COMO TRATAMIENTO NEOADYUVANTE EN PARTICIPANTES CON CARCINOMA DE CÉLULAS ESCAMOSAS DE CABEZA Y CUELLO LOCORREGIONALMENTE AVANZADO (CECC-LA) RESECABLE EN ESTADIOS III-IVA. PI: SANTIAGO CABEZAS CAMARERO.

ECL.23/570. ESTUDIO DE FASE II, MULTICÉNTRICO, ABIERTO, DE DOS COHORTES, DE UN SOLO BRAZO, PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DEL ANTICUERPO-FÁRMACO CONJUGADO ANTI-TROP2 SACITUZUMAB GOVITECAN EN PACIENTES CON NEOPLASIAS TIROIDEAS ANAPLÁSICAS Y DIFERENCIADAS AVANZADAS. PI: GLORIA MARQUINA OSPINA.

ECL.23/644. ENSAYO FASE III, ALEATORIZADO, DOBLE-CIEGO, CONTROLADO CON PLACEBO, MULTICÉNTRICO, INTERNACIONAL DE VOLRUSTOMIG EN PACIENTES CON CÁNCER DE CÉRVIX DE ALTO RIESGO, LOCALMENTE AVANZADO, QUE NO HAYAN PROGRESADO TRAS DE RECIBIR QUIMIOTERAPIA SIMULTÁNEA BASADA EN PLATINO (EVOLVE-CERVICAL). PI: GLORIA MARQUINA OSPINA

ECL.23/674. ENSAYO FASE III, ALEATORIZADO, DE 2 COHORTES, DOBLE CIEGO, CONTROLADO CON PLACEBO DE AZD5305 EN COMBINACIÓN CON UN NUEVO AGENTE HORMONAL A ELECCIÓN DEL INVESTIGADOR EN PACIENTES CON CÁNCER DE PRÓSTATA METASTÁSICO HORMONOSENSIBLE CON Y SIN MUTACIÓN EN LOS GENES DE REPARACIÓN POR RECOMBINACIÓN HOMÓLOGA (HRR) (EVOPAR-PROSTATE01). PI: JAVIER PUENTE VÁZQUEZ.

ECL.23/676. ESTUDIO DE FASE III, ALEATORIZADO, MULTICÉNTRICO Y EN ABIERTO PARA EVALUAR DB-1303 FRENTE A LA QUIMIOTERAPIA ELEGIDA POR EL INVESTIGADOR EN PACIENTES CON CÁNCER DE MAMA METASTÁSICO CON RECEPTOR 2 DEL FACTOR DE CRECIMIENTO EPIDÉRMICO HUMANO (HER2) BAJO Y POSITIVO PARA EL RECEPTOR HORMONAL (HR+) CUYO CÁNCER HA PROGRESADO CON EL TRATAMIENTO ENDOCRINO (DYNASTY-BREAST02). PI: FERNANDO MORENO ANTÓN.

ECL.23/692. ENSAYO EN FASE III, ALEATORIZADO, ABIERTO, MULTICÉNTRICO DE VOLRUSTOMIG (MEDI5752) COMO TERAPIA SECUENCIAL FRENTE A OBSERVACIÓN EN PARTICIPANTES CON CARCINOMA DE CÉLULAS ESCAMOSAS DE CABEZA Y CUELLO LOCALMENTE AVANZADO IRRESECABLE QUE NO HAN PROGRESADO DESPUÉS DE LA QUIMIOTERAPIA CONCURRENTES DEFINITIVA (EVOLVE-HNSCC). PI: SANTIAGO CABEZAS CAMARERO."

ECL.23/696. ESTUDIO DE FASE 1, PRIMERO EN PERSONAS, MULTICÉNTRICO Y ABIERTO, CON AUMENTO ESCALONADO DE LA DOSIS Y AMPLIACIÓN DE VARIAS COHORTES, DE INBRX-109 EN SUJETOS CON TUMORES SÓLIDOS LOCALMENTE AVANZADOS O METASTÁSICOS, INCLUIDOS SARCOMAS. PI: ANTONIO CASADO HERRÁEZ.

ECL.23/720. ESTUDIO FASE 3 ALEATORIZADO, DOBLE CIEGO Y CONTROLADO CON PLACEBO PARA EVALUAR DOSTARLIMAB COMO TERAPIA SECUENCIAL DESPUÉS DE QUIMIOTERAPIA EN PACIENTES CON CARCINOMA DE CÉLULAS ESCAMOSAS DE CABEZA Y CUELLO LOCALMENTE AVANZADO NO RESECABLE. PI: SANTIAGO CABEZAS CAMARERO.

ECL.23/748. ESTUDIO EN FASE I/II DE REGN7075 (ANTICUERPO BIESPECÍFICO COESTIMULADOR EGFRXCD28) EN COMBINACIÓN CON CEMIPIMAB EN PACIENTES CON TUMORES SÓLIDOS AVANZADOS. PI: JORGE BARTOLOMÉ ARCILLA.

ECL.23/772. ESTUDIO DE FASE IB/II, ABIERTO Y ALEATORIZADO DE VUDALIMAB EN COMBINACIÓN CON QUIMIOTERAPIA O PEMBROLIZUMAB EN COMBINACIÓN CON QUIMIOTERAPIA COMO TRATAMIENTO DE PRIMERA LÍNEA EN PACIENTES CON CÁNCER DE PULMÓN NO MICROCÍTICO AVANZADO. PI: CARLOS AGUADO DE LA ROSA.

ECL.23/784. REINGENIERIA DEL PROCESO ASISTENCIAL DE PACIENTES CON CÁNCER DE VEJIGA EN EL HOSPITAL CLÍNICO SAN CARLOS. PI: JAVIER PUENTE VÁZQUEZ.

ECL.24/562. BIOMARCADORES DE OBESIDAD EN VESÍCULAS EXTRACELULARES PARA MEJORAR EL DIAGNOSTICO Y LA DETECCIÓN DEL CÁNCER DE MAMA. PI: ALBERTO BENITO MARTÍN.

ECL.24/009. ESTUDIO CLÍNICO DE FASE 1 PARA EVALUAR LA SEGURIDAD, LA TOLERABILIDAD, LA FARMACOCINÉTICA Y LA EFICACIA DE ZN-A-1041 EN CÁPSULAS ENTÉRICAS, EN MONOTERAPIA O EN COMBINACIÓN, EN PACIENTES CON TUMORES SÓLIDOS AVANZADOS POSITIVOS PARA HER2. PI: JOSÉ ÁNGEL GARCÍA SÁENZ.

ECL.24/015. ESTUDIO DE FASE 3, ABIERTO Y ALEATORIZADO DE PEMBROLIZUMAB ADYUVANTE CON O SIN MK-2870 EN PACIENTES CON CPNM EN ESTADIOS II A IIIB (N2) RESECABLE QUE NO HAN ALCANZADO RESPUESTA COMPLETA TRAS RECIBIR PEMBROLIZUMAB NEOADYUVANTE CON QUIMIOTERAPIA DOBLE CON PLATINO SEGUIDO DE CIRUGÍA. PI: CARLOS AGUADO DE LA ROSA.

ECL.24/016. ESTUDIO ALEATORIZADO Y CON DOBLE ENMASCARAMIENTO PARA COMPARAR LA FARMACOCINÉTICA ENTRE ABP 234 Y KEYTRUDA® (PEMBROLIZUMAB) EN PACIENTES CON CÁNCER DE PULMÓN NO MICROCÍTICO Y NO EPIDERMÓIDE EN FASE INICIAL COMO TRATAMIENTO POSQUIRÚRGICO TRAS LA RESECCIÓN Y LA QUIMIOTERAPIA CON DERIVADOS DEL PLATINO. PI: CARLOS AGUADO DE LA ROSA.

ECL.24/018. ESTUDIO DE FASE II/III, MULTICÉNTRICO Y ALEATORIZADO PARA EVALUAR EL RALUDOTATUG DERUXTECÁN (R-DXD), UN CONJUGADO ANTICUERPO-FÁRMACO DIRIGIDO A LA CDH6, EN PARTICIPANTES CON CÁNCER OVÁRICO DE EVOLUCIÓN RÁPIDA, CÁNCER PERITONEAL PRIMARIO O CÁNCER DE LAS TROMPAS DE FALOPIO RESISTENTES AL PLATINO. PI: ANTONIO CASADO HERRÁEZ.

ECL.24/044. SUBESTUDIO MK-5684-01A: SUBESTUDIO EN PARAGÜAS DE FASE 1/2 DEL PROTOCOLO MAESTRO MK-5684-U01 PARA EVALUAR LA SEGURIDAD Y LA EFICACIA DE COMBINACIONES TERAPÉUTICAS BASADAS EN MK-5684 O DE MK-5684 EN MONOTERAPIA EN PARTICIPANTES CON CÁNCER DE PRÓSTATA RESISTENTE A LA CASTRACIÓN METASTÁSICO (CPRCM). PI: JAVIER PUENTE VÁZQUEZ

ECL.24/067. ENSAYO DE FASE II, MULTICÉNTRICO, ABIERTO Y ALEATORIZADO PARA EVALUAR LA EFICACIA DE TALAZOPARIB JUNTO CON ENZALUTAMIDA COMO TRATAMIENTO DE PRIMERA LÍNEA PARA PACIENTES CON CÁNCER DE PRÓSTATA METASTÁSICO RESISTENTE A LA CASTRACIÓN TRAS PROGRESIÓN CON ABIRATERONA. PI: JAVIER PUENTE VÁZQUEZ.

ECL.24/088. ESTUDIO EN FASE II/III, ALEATORIZADO Y DOBLE CIEGO DE FIANLIMAB (ANTICUERPO ANTI-LAG-3) EN COMBINACIÓN CON CEMIPIMAB (ANTICUERPO ANTI-PD-1) EN COMPARACIÓN CON CEMIPIMAB EN MONOTERAPIA COMO TRATAMIENTO DE PRIMERA LÍNEA EN PACIENTES CON CÁNCER DE PULMÓN NO MICROCÍTICO (CPNM) AVANZADO CON TUMORES QUE EXPRESAN PD-L1 ≥ 50 %. PI: CARLOS AGUADO DE LA ROSA.

ECL.24/094. ESTUDIO DE FASE 3, MULTICÉNTRICO, ABIERTO Y ALEATORIZADO PARA COMPARAR LA EFICACIA Y LA SEGURIDAD DE MK-2870 FRENTE AL TRATAMIENTO ELEGIDO POR EL MÉDICO EN EL ADENOCARCINOMA GASTROESOFÁGICO (ADENOCARCINOMA GÁSTRICO, ADENOCARCINOMA DE LA UNIÓN GASTROESOFÁGICA Y ADENOCARCINOMA ESOFÁGICO) AVANZADO/METASTÁSICO EN TERCERA LÍNEA O LÍNEAS POSTERIORES. PI: BEATRIZ GARCÍA PAREDES.

ECL.24/102. ESTUDIO DE FASE 3, ALEATORIZADO Y ABIERTO PARA COMPARAR LA EFICACIA Y LA SEGURIDAD DE MK-2870 ADYUVANTE EN COMBINACIÓN CON PEMBROLIZUMAB (MK-3475) FRENTE AL TRATAMIENTO ELEGIDO POR EL MÉDICO (TEM) EN PARTICIPANTES CON CÁNCER DE MAMA TRIPLE NEGATIVO (CMTN) QUE RECIBIERON TRATAMIENTO NEOADYUVANTE Y NO LOGRARON UNA RESPUESTA COMPLETA ANATOMOPATOLÓGICA (RCAP) EN LA CIRUGÍA. PI: JOSÉ ÁNGEL GARCÍA SÁENZ.

ECL.24/103. ESTUDIO DE RMC-6291, CON O SIN RMC-6236, EN COMBINACIÓN CON OTROS AGENTES CONTRA EL CÁNCER, EN PACIENTES CON CÁNCER DE PULMÓN DE CÉLULAS NO PEQUEÑAS CON MUTACIÓN RAS G12C - SUBPROTOCOLO A. PI: JORGE BARTOLOMÉ ARCILLA.

ECL.24/104. ESTUDIO DE FASE 1B/2, ABIERTO Y MULTICÉNTRICO DE RMC-6236 EN COMBINACIÓN CON PEMBROLIZUMAB, CON O SIN QUIMIOTERAPIA, EN PACIENTES CON CÁNCER DE PULMÓN NO MICROCÍTICO (CPNM) CON MUTACIÓN DE RAS: SUBPROTOCOLO B. PI: JORGE BARTOLOMÉ ARCILLA.

ECL.24/129. ESTUDIO DE LA TOXICIDAD HEMATOLÓGICA DEL TRATAMIENTO CON $[^{131}\text{I}]\text{NAI}$ (I-CHIP: RADIOACTIVO. PI: GLORIA MARQUINA OSPINA.

ECL.24/130. UTILIDAD CLÍNICA DE LAS PRUEBAS MOLECULARES EN EL CÁNCER AVANZADO DE TIROIDES. PI: GLORIA MARQUINA OSPINA.

ECL.24/179. MICROBIOMA Y PERFIL INMUNE DEL TUMOR Y DE ORINA COMO INDICADORES DE LA RESPUESTA AL TRATAMIENTO DEL CÁNCER DE VEJIGA NO-MÚSCULO INFLTRANTE DE ALTO RIESGO: MODELO DE PREDICCIÓN DE RESISTENCIA AL BACILO DE CALMETTE-GUÉRIN (BCG).. PI: JAVIER PUENTE VÁZQUEZ.

ECL.24/244. PRIMER ESTUDIO EN EL SER HUMANO, DE FASE I/II, SIN ENMASCARAMIENTO, MULTICÉNTRICO, DE AUMENTO ESCALONADO DE LA DOSIS, OPTIMIZACIÓN DE LA DOSIS Y AMPLIACIÓN DE LA DOSIS PARA EVALUAR LA SEGURIDAD, LA TOLERABILIDAD, LA FARMACOCINÉTICA, LA FARMACODINÁMICA Y LA ACTIVIDAD ANTITUMORAL DEL INHIBIDOR SELECTIVO DE LA PARP1, «IMP1734», EN PACIENTES CON TUMORES SÓLIDOS AVANZADOS. PI: JORGE BARTOLOMÉ ARCILLA.”

ECL.24/256. ESTUDIO DE FASE I/IIA, ABIERTO Y MULTICÉNTRICO PARA EVALUAR LA SEGURIDAD, LA TOLERABILIDAD, LA FARMACOCINÉTICA Y LA EFICACIA PRELIMINAR DEL INHIBIDOR DE LA ADN-POLIMERASA T, ART6043, ADMINISTRADO POR VÍA ORAL EN MONOTERAPIA Y EN COMBINACIÓN A PACIENTES CON TUMORES SÓLIDOS AVANZADOS O METASTÁSICOS. PI: JOSÉ ÁNGEL GARCÍA SÁENZ.”

ECL.24/264. ESTUDIO EN FASE III ALEATORIZADO Y ABIERTO DE SARUPARIB (AZD5305) MÁS CAMIZESTRANT EN COMPARACIÓN CON EL INHIBIDOR DE CDK4/6 SELECCIONADO POR EL MÉDICO MÁS HORMONOTERAPIA O MÁS CAMIZESTRANT PARA EL TRATAMIENTO DE PRIMERA LÍNEA DE PACIENTES CON CÁNCER DE MAMA AVANZADO POSITIVO PARA RECEPTORES HORMONALES Y HER2 NEGATIVO (0, 1+, 2+ SEGÚN IHQ / SIN AMPLIFICACIÓN POR ISH) CON MUTACIONES EN BRCA1, BRCA2 O PALB2 (EVOPAR-BREAST01). PI: JOSÉ ÁNGEL GARCÍA SÁENZ.

ECL.24/272. ESTUDIO DE FASE III, MULTICÉNTRICO, ALEATORIZADO Y DOBLE CIEGO PARA EVALUAR LA SEGURIDAD Y LA EFICACIA DEL EMAC-TUZUMAB FRENTE A PLACEBO EN SUJETOS CON TUMOR TENOSINOVIAL DE CÉLULAS GIGANTES (TÍTULO ABREVIADO: TANGENT). PI: ANTONIO CASADO HERRÁEZ.

ECL.24/274. ESTUDIO DE FASE II, ALEATORIZADO, ABIERTO Y DE BÚSQUEDA DE DOSIS DE DEBIO 4228, UNA FORMULACIÓN DE UN ANTAGONISTA DE LA HORMONA LIBERADORA DE GONADOTROPINA DE LIBERACIÓN PROLONGADA, EN PARTICIPANTES CON CÁNCER DE PRÓSTATA EN ESTADIO LOCALMENTE AVANZADO O METASTÁSICO. PI: JUAN GÓMEZ RIVAS.

ECL.24/281. ESTUDIO DE FASE II, MULTICÉNTRICO, ABIERTO, DE OPTIMIZACIÓN Y EXPANSIÓN DE LA DOSIS PARA EVALUAR LA SEGURIDAD Y

LA EFICACIA DE BB-1701, UN CONJUGADO DE ANTICUERPO Y FÁRMACO (CAF) CONTRA EL RECEPTOR 2 DEL FACTOR DE CRECIMIENTO EPIDÉRMICO HUMANO (ANTI-HER2), EN PACIENTES CON CÁNCER DE MAMA POSITIVO PARA HER2 O CON BAJA EXPRESIÓN DE HER2 IRRESECABLE O METASTÁSICO QUE HAN RECIBIDO TRATAMIENTO PREVIO. PI: JOSÉ ÁNGEL GARCÍA SÁENZ.

ECL.24/283. ORACLE: OBSERVACIÓN DE CÁNCER RESIDUAL MEDIANTE EVALUACIÓN POR BIOPSIA LÍQUIDA (OBSERVATION OF RESIDUAL CANCER WITH LIQUID BIOPSY EVALUATION). PI: PEDRO PÉREZ SEGURA.

ECL.24/299. ESTUDIO MULTICÉNTRICO ALEATORIZADO FASE II, DOBLE CIEGO, PARA EVALUAR LA EFICACIA Y SEGURIDAD DE AUTOGENE CEVUMERAN MÁS NIVOLUMAB FRENTE A NIVOLUMAB COMO TRATAMIENTO ADYUVANTE EN PACIENTES CON CARCINOMA UROTELIAL MÚSCULO INVASIVO DE ALTO RIESGO. PI: JAVIER PUENTE VÁZQUEZ.

ECL.24/326. BEAMION PANTUMOR-1: ESTUDIO DE FASE 2, ABIERTO, MULTICÉNTRICO Y MULTICOHORTE PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE ZONGERTINIB (BI 1810631) POR VÍA ORAL PARA EL TRATAMIENTO DE DETERMINADOS TUMORES SÓLIDOS CON MUTACIONES, SOBREENEXPRESIONES O AMPLIFICACIONES DE HER2. PI: JORGE BAROLOMÉ ARCILLA.

ECL.24/343. PROGRAMA PARA LA IDENTIFICACIÓN Y DESARROLLO DE COMPUESTOS QUÍMICOS, Y DISEÑO DE ANTICUERPOS MEDIANTE COMPUTACIÓN E INTELIGENCIA ARTIFICIAL. PI: ALBERTO OCAÑA FERNÁNDEZ.

ECL.24/345. ESTUDIO ALEATORIZADO TIPO PARAGUAS DE FASE 1/2 PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE MK-2870 MÁS ENFORTUMAB VEDOTINA (EV) EN COMBINACIÓN CON PEMBROLIZUMAB COMO TRATAMIENTO PARA PARTICIPANTES CON CARCINOMA UROTELIAL AVANZADO (KEYMAKER-U04): SUBESTUDIO 04C. PI: JAVIER PUENTE VÁZQUEZ.

ECL.24/376. ENSAYO ALEATORIZADO DE FASE I/II EN PACIENTES CON CARCINOMA DE CÉLULAS ESCAMOSAS DE LA CABEZA Y EL CUELLO (SCCHN) LOCORREGIONALMENTE AVANZADO, NEGATIVO PARA EL VPH, DE DIAGNÓSTICO RECIENTE, EN EL QUE SE EVALÚA UNA INMUNOTERAPIA DIRIGIDA AL MUTANOMA INICIADA AL FINALIZAR EL TRATAMIENTO PRIMARIO O EN EL MOMENTO DE LA RECIDIVA. PI: SANTIAGO CABEZAS CAMARERO.

ECL.24/377. PHASE II STUDY FOR PIK3CA/PTEN-ALTERED ADVANCED METAPLASTIC BREAST CANCER TREATED WITH MEN1611 MONOTHERAPY OR IN COMBINATION WITH ERIBULIN -THE SABINA STUDY-. PI: JOSÉ ÁNGEL GARCÍA SÁENZ.

ECL.24/425. ESTUDIO DE FASE 3, ALEATORIZADO, MULTICÉNTRICO, ABIERTO Y CONTROLADO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DEL ZANIDATAMAB EN COMPARACIÓN CON EL TRASTUZUMAB, AMBOS EN COMBINACIÓN CON LA QUIMIOTERAPIA ELEGIDA POR EL MÉDICO, PARA EL TRATAMIENTO DE PARTICIPANTES CON CÁNCER DE MAMA METASTÁSICO HER2 POSITIVO QUE HA PROGRESADO TRAS EL TRATAMIENTO PREVIO CON TRASTUZUMAB DERUXTECÁN O QUE SON INTOLERANTES AL MISMO. PI: JOSÉ ÁNGEL GARCÍA SÁENZ.

ECL.24/430. ENSAYO DE CONTINUACIÓN, DE FASE II, DE UN SOLO GRUPO Y ABIERTO DE LA SEGURIDAD A LARGO PLAZO DE BRIGIMADLINA ORAL EN PACIENTES CON TUMORES SÓLIDOS. PI: JORGE BARTOLOMÉ ARCILLA.

ECL.24/484. ESTUDIO ALEATORIZADO, CON DOBLE ENMASCARAMIENTO PARA COMPARAR LA EFICACIA, LA FARMACOCINÉTICA, LA SEGURIDAD Y LA INMUNOGENIA ENTRE ABP 234 Y KEYTRUDA® (PEMBROLIZUMAB) EN PACIENTES CON CÁNCER DE PULMÓN NO MICROCÍTICO NO EPIDERMÓIDE AVANZADO O METASTÁSICO. PI: CARLOS AGUADO DE LA ROSA.

ECL.24/485. ESTUDIO DE FASE 1/2 PARA EVALUAR LA SEGURIDAD Y LA EFICACIA DE PATRITUMAB DERUXTECÁN EN EL CÁNCER GASTROINTESTINAL. PI: JAVIER SASTRE VALERA.

ECL.24/560. ESTUDIO DE FASE III, ALEATORIZADO Y ABIERTO PARA EVALUAR SIGVOTATUG VEDOTINA EN COMPARACIÓN CON DOCETAXEL EN PARTICIPANTES ADULTOS CON CARCINOMA BRONCOPULMONAR NO MICROCÍTICO TRATADO CON ANTERIORIDAD (BE6A LUNG-01). PI: JOSÉ LUÍS GONZÁLEZ LARRIBA.

ECL.24/596. PROPHYLACTIC INTRA THECAL METHOTREXATE (IT-MTX) IN PATIENTS WITH GESTATIONAL TROPHOBLASTIC NEOPLASIA (GTN): RETROSPECTIVE MULTICENTRIC COMPARATIVE STUDY. PI: GLORIA MARQUINA OSPINA.

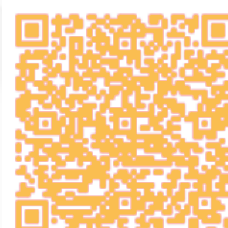
ECL.24/611. CONCORDANCE OF PD-L1 EXPRESSION BETWEEN MATCHED TRANSURETHRAL RESECTIONS OF THE BLADDER AND RADICAL CYSTECTOMY SAMPLES IN MUSCLE INVASIVE UROTHELIAL CARCINOMA: A RETROSPECTIVE, OBSERVATIONAL, MULTICENTER, REAL-WORLD STUDY (ACCORD STUDY). PI: JAVIER PUENTE VÁZQUEZ; MELCHOR SAIZ-PARDO SANZ.

LOM.C01AST. Colaboración económica para la realización del proyecto "Estudio Mutacional de EGFR en pacientes de Cáncer de Pulmón de célula NO pequeña: Comparativa de resultados entre el estudio mediante Idylla en muestras citológicas de adenopatías mediastínicas obtenidas por PAAF guiada por Ecobroncoscopia y muestras de Criobiopsia guiada por Ecobroncoscopia. PI: LUIS ORTEGA MEDINA.

Mobility of Researchers

Researcher: Lobna Ramadane Morchadi. Destination country: España. Center: Instituto de Biomedicina de Valencia (IBV-CSIC). Date of arrival: 09/01/2024. Date of departure: 30/06/2024.

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Leading researcher

Antonio José Torres García

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Lines of Research

- Study of molecular prognostic factors in lung, colorectal and gastric cancer.
- Analysis of molecular mechanisms related to lung, colorectal and gastric carcinogenesis.
- Investigation of molecules involved in cell invasion and adhesion and their interest in cancer.
- Obesity and Cancer.

Scientific production

32

Nº of papers
(WoS)

59%(19)

% Open
Access (Nº)

32

Nº of papers
JCR indexed

63% (20)

% Citable
Items (Nº)

60% (12)

Q1 (citable items)

10% (2)

D1 (citable items)

80.10

Cumulative IF

4.00

Average IF

Selected Publications

SÁNCHEZ PERNAUTE, ANDRÉS, de Gordejuela, Amador García Ruiz, PÉREZ AGUIRRE, MARÍA ELIA. Comments on the Article "One Stage vs. Two-Step One Anastomosis Duodenal Switch (OADS/ SADI- S): a Safety and Efficacy Single-Center Propensity-Score Matched Analysis". OBESITY SURGERY. 2024. 34(7):2303-2304). DOI: 10.1007/s11695-024-07346-7. IF: 2,9. (Q1).

TESOLATO, SOFIA ELENA, VICENTE VALOR, JUAN, PAZ CABEZAS, MATEO, GÓMEZ GARRE, DULCENOMBRE, SÁNCHEZ GONZÁLEZ, SILVIA, ORTEGA HERNÁNDEZ, ADRIANA, DE LA SERNA ESTEBAN, SOFIA CRISTINA, DOMÍNGUEZ SERRANO, M^a INMACULADA, DZIAKOVA, JANA, RIVERA ALONSO, DANIEL, JARABO SARCEDA, JOSÉ RAMÓN, GÓMEZ MARTÍNEZ, ANA MARÍA, HERNANDO TRANCHO, FLORENTINO, TORRES GARCÍA, ANTONIO JOSÉ, INIESTA SERRANO, M^a PILAR. Gut Microbiota Signatures with Potential Clinical Usefulness in Colorectal and Non-Small Cell Lung Cancers. Biomedicines. 2024. 12(3). DOI: 10.3390/biomedicines12030703. IF: 3,9. (Q1).

DZIAKOVA, JANA, TORRES GARCÍA, ANTONIO JOSÉ, ODOVIC, MAJA, ESTEBAN LÓPEZ-JAMAR, JOSÉ MIGUEL, VÁZQUEZ ROMERO, MANUEL, Castillo, Andrea, SÁNCHEZ PERNAUTE, ANDRÉS, Gagner, Michel. Spanish Experience with Latero-Lateral Duodeno-Ileostomy plus Sleeve Gastrectomy with Magnet Anastomosis System. OBESITY SURGERY. 2024. 34(9):3569-3575). DOI: 10.1007/s11695-024-07432-w. IF: 2,9. (Q1).

Clinical Practice Guidelines

Kermansaravi, Mohammad , Chiappetta, Sonja, Shikora, Scott A. , Musella, Mario , Kow, Lilian , Aarts, Edo , Abbas, Syed Imran , Aly, Ahmad , Aminian, Ali , Angrisani, Luigi , Asghar, Syed Tanseer , Bashir, Ahmad , Behrens, Estuardo , Billy, Helmuth , Boza, Camilo , Brown, Wendy A. , Caina, Daniel Oscar , Carbajo, Miguel A. , Chevallier, Jean-Marc , Clapp, Benjamin , Cohen, Ricardo V. , Jazi, Amir Hossein Davarpanah , De Luca, Maurizio , Dilemans, Bruno , Fried, Martin , Gagner, Michel , Galvao Neto, Manoel , Garneau, Pierre Y. , Gawdat, Khaled , Ghanem, Omar M. , Al Hadad, Mohammed , Haddad, Ashraf , ElFawal, Mohamad Hayssam , Herrera, Miguel F. , Higa, Kelvin , Himpens, Jaques , Hussain, Farah , Kasama, Kazunori , Kassir, Radwan , Khoursheed, Mousa , Khwaja, Haris , Kristinsson, Jon A. , Kroh, Matthew , Kurian, Marina S. , Lakdawala, Muffazal , LaMasters, Teresa , Lee, Wei-Jei , Madhok, Brijesh , Mahawar, Kamal , Mahdy, Tarek , Almomani, Hazem , Melissas, John , Miller, Karl , Neimark, Alexander , Omarov, Taryel , Palermo, Mariano , Papasavas, Pavlos K. , Parmar, Chetan , Pazouki, Abdolreza , Peterli, Ralph , Pintar, Tadeja , Poggi, Luis , Ponce, Jaime , Prasad, Arun , Pratt, Janey S. A. , Ramos, Almino C. , Rezvani, Masoud , Rheinwald, Karl , Ribeiro, Rui , Ruiz-Ucar, Elena , Sabry, Karim , Safadi, Bassem , Shabbir, Asim , ShahabiShahmiri, Shahab , Stenberg, Erik , Suter, Michel , Taha, Safwan , Taskin, Halit Eren , TORRES GARCÍA, ANTONIO JOSÉ, Verboonen, Sergio , Vilallonga, Ramon , Voon, Kelvin , Wafa, Ala , Wang, Cunchuan , Weiner, Rudolf , Yang, Wah , Zundel, Natan , Prager, Gerhard , Nimeri, Abdelrahman . Metabolic and Bariatric Surgeon Criteria-An International Experts' Consensus. OBESITY SURGERY. 2024. DOI: 10.1007/s11695-024-07395-y.

New Non Competitive Funding

ECL.24/616. ENSAYO CLÍNICO EXPLORATORIO PARA EVALUAR LA SEGURIDAD, TOLERABILIDAD, EFICACIA Y FARMACOCINÉTICA DE LA MEMBRANA PLGA CEB-01 EN PARTICIPANTES CON CÁNCER DE PÁNCREAS. PI: LUIS IGNACIO DÍEZ VALLADARES.

ECL.23/697. ESTUDIO DE FASE II, ALEATORIZADO, DOBLE CIEGO, CONTROLADO CON PLACEBO Y DE BÚSQUEDA DE DOSIS PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE PASIREOTIDA S.C. EN PACIENTES CON HIPOGLUCEMIA POSBARIÁTRICA. PI: ANTONIO JOSÉ TORRES GARCÍA.

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ONC.4

Cell Signaling Mechanisms during Development and Tumor Progression

Leading researcher

Almudena Porras Gallo

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Cristina Victoria Peralbo Avilés	Nerea Palao Treviño
Eva Fernández Calderón	Paloma Bragado Domingo
Inés De La Guía López	Paula Linzoain Agos



Lines of Research

- Analysis of the role of C3G during tumor development and progression in glioblastoma, hepatocarcinoma and other tumors.
- Characterization of platelet C3G protein function in angiogenesis, liver and cardiovascular pathologies.
- Study of C3G function in the liver.
- Analysis of the role of receptor tyrosine kinase (Met and EGFR) and TGF- β (TGF- β and BMP9) signaling pathways in the regulation of liver cell function during chronic liver damage.
- Search and characterization of relevant genes in the metastatic process in prostate cancer.
- Identification of new treatments for different diseases-UCM-Artic therapeutics collaboration.
- Characterization of the role of plexins, neuropilins and semaphorins in the biology of disseminated tumor cells and metastasis in breast and head and neck cancer.
- Search and characterization of relevant genes in the dormancy and metastasis process in breast and head and neck cancer.

Scientific production

20

Nº of papers (WoS)

85% (17)

% Open Access (Nº)

19

Nº of papers JCR indexed

84% (16)

% Citable Items (Nº)

94% (15)

Q1 (citable items)

19% (3)

D1 (citable items)

98.20

Cumulative IF

6.14

Average IF

Selected Publications

Fernandez-Nogueira, P., Linzoain-Agos, P., Cueto-Remacha, M., de la Guia-lopez, I., Recalde-Percaz, L., Parcerisas, A., Gascon, P., Carbo, N., GUTIERREZ UZQUIZA, ALVARO, Fuster, G., BRAGADO DOMINGO, PALOMA. Role of semaphorins, neuropilins and plexins in cancer progression. CANCER LETTERS. 2024. 606. DOI: 10.1016/j.canlet.2024.217308. IF: 9,1. (Q1).

GARCÍA SAEZ, JUAN, Figueroa-Fuentes, Maria, GONZÁLEZ CORRALEJO, CARLOS, RONCERO ROMERO, CESÁREO, Lazcanoiturburu, Nerea, GUTIERREZ UZQUIZA, ALVARO, Vaquero, Javier, Gonzalez-Sanchez, Ester, Bhutia, Kunzangla, Calero-Perez, Silvia, Maina, Flavio, Traba, Javier, Valverde, angela M., Fabregat, Isabel, HERRERA GONZÁLEZ, BLANCA MARÍA, Sanchez, Aranzazu. Uncovering a Novel Functional Interaction Between Adult Hepatic Progenitor Cells, Inflammation and EGFR Signaling During Bile Acids-Induced Injury. INTERNATIONAL JOURNAL OF BIOLOGICAL SCIENCES. 2024. 20(7):2339-2355). DOI: 10.7150/ijbs.90645. IF: 8,2. (D1).

RODRIGO FAUS, MARÍA, Vincelle-Nieto, Africa, VIDAL CASSINELLO, NATALIA, PUENTE VÁZQUEZ, JAVIER, SAIZ-PARDO SANZ, MELCHOR, Lopez-Garcia, Alejandra, Mendiburu-Elcabe, Marina, PALAO TREVIÑO, NEREA, BAQUERO MAYO, CRISTINA, Linzoain-Agos, Paula, CUESTA MARTÍNEZ, ÁNGEL, Qu, Hui-Qi, Hakonarson, Hakon, Musteanu, Monica, Reyes-Palomares, Armando, PORRAS GALLO, ALMUDENA, BRAGADO DOMINGO, PALOMA, GUTIERREZ UZQUIZA, ALVARO. CRISPR/Cas9 screenings unearth protein arginine methyltransferase 7 as a novel essential gene in prostate cancer metastasis. CANCER LETTERS. 2024. 588. DOI: 10.1016/j.canlet.2024.216776. IF: 9,1. (Q1).

Doctorate Theses

Candidate: Oscar Herránz Varea. Thesis title: Impact of C3G on hematopoiesis after myeloablation. Effects on hematopoietic precursors and megakaryocyte niche function. Director(s): Carmen Guerrero Arroyo; Almudena Porras Gallo. University: Universidad de Salamanca.

Candidate: María Rodrigo Faus. Thesis title: Uso de librerías CRISPR-Cas9 para la identificación de genes esenciales en la metástasis de cáncer de próstata. Director(s): Álvaro Gutierrez Uzquiza; Paloma Bragado Domingo. University: Universidad Complutense de Madrid.

New Competitive Funding

CNS 2023-144109. Use of CRISPR/CAS9 Tools for the Characterization of Prognostic Markers and Therapeutic Targets in Metastatic Prostate Cancer. PI: GUTIERREZ UZQUIZA ÁLVARO.

Mobility of researchers

Researcher: ALMUDENA PORRAS GALLO. Destination country: FRANCIA. Center: Centro del cáncer de Marsella Date of arrival: 10/06/2024 Date of departure: 17/06/2024.

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ONC.5[®]

Cannabinoid Signaling in Tumor Cells

Leading researcher

Guillermo Velasco Díez

Members

Adrián Sanz Gálvez

Marco Cordani

Ana García Casas

Mariam Rahmatian Gallego

Angélica Martínez López

Nélida Salvador Tormo

Carmen Ramírez Castillejo

Olga María Antón Hurtado

Eduarne Múgica Urruzola

Óscar Gutierrez Jiménez

Elena María Tovar Ambel

Paola Martín Cabrera

Guiomar Infante Gutiérrez

Sonia Castillo Lluva

M^a Del Mar Lorente Pérez



Lines of Research

- Analysis of the molecular factors associated with the resistance/sensitivity of patients with glioblastoma to combined treatment with cannabinoids and temozolomide.
- Analysis of the role of the Midkine/ALK axis in gliomagenesis, preclinical efficacy of therapies based on the inhibition of this signalling axis in combination with cannabinoids and other anti-tumour agents in the treatment of glioblastoma.
- Analysis of the role of sphingolipids in the stimulation of autophagy-mediated death in tumour cells.
- Analysis of the role of various genes involved in the control of autophagy in tumour development and progression.
- Analysis of the mechanism of action of cannabinoids in tumour cells.
- Analysis of the role of Tribbles proteins in tumour development and progression.
- Analysis of the factors that determine the metastatic capacity of breast cancer and development of new therapies for the treatment of metastatic breast cancer.

Scientific production

27

Nº of papers
(WoS)

74% (20)

% Open
Access (Nº)

27

Nº of papers
JCR indexed

93% (25)

% Citable
Items (Nº)

92% (23)

Q1 (citable items)

20% (5)

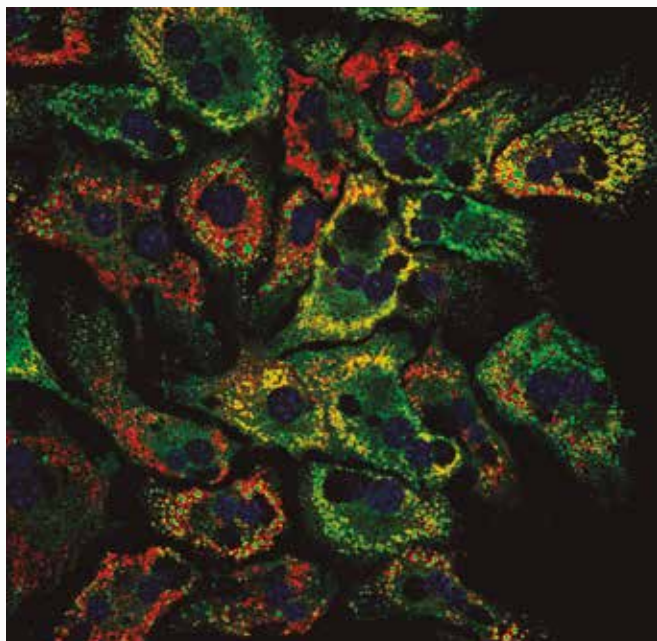
D1 (citable items)

145.47

Cumulative IF

5.82

Average IF



Lipid droplets and staining with perilipin 2 in murine hepatocytes

Selected Publications

MARTÍNEZ LÓPEZ, ANGÉLICA, GARCÍA CASAS, ANA, Infante, Guiomar, Gonzalez-Fernandez, Monica, SALVADOR TORMO, NÉLIDA, LORENTE PÉREZ, M^a DEL MAR, Mendiburu-Elicabe, Marina, Gonzalez-Moreno, Santiago, Villarejo-Campos, Pedro, VELASCO DÍEZ, GUILLERMO, Malliri, Angeliki, CASTILLO LLUVA, SONIA. POTE promotes breast cancer cell malignancy by inducing invadopodia formation through the activation of SUMOylated Rac1. MOLECULAR ONCOLOGY. 2024. 18(3):620-640). DOI: 10.1002/1878-0261.13568. IF: 5. (Q1).

Kusaczuk, Magdalena, TOVAR AMBEL, ELENA MARÍA, Naumowicz, Monika, VELASCO DÍEZ, GUILLERMO. Cellular stress responses as modulators of drug cytotoxicity in pharmacotherapy of glioblastoma. BIOCHIMICA ET BIOPHYSICA ACTA-REVIEWS ON CANCER. 2024. 1879(1). DOI: 10.1016/j.bbcan.2023.189054. IF: 9,7. (D1).

Ercilla-Rodriguez, Paula, Sanchez-Diez, Marta, Alegria-Aravena, Nicolas, Quiroz-Troncoso, Josefa, Gavira-O'Neill, Clara E., Gonzalez-Martos, Raquel, RAMÍREZ CASTILLEJO, CARMEN. CAR-T lymphocyte-based cell therapies; mechanistic substantiation, applications and biosafety enhancement with suicide genes: new opportunities to melt side effects. FRONTIERS IN IMMUNOLOGY. 2024. 15. DOI: 10.3389/fimmu.2024.1333150. IF: 5,7. (Q1).

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Leading researcher

Pluvio Jesús Coronado Martín

Members

Alejandra Mayoral Triana	M ^a Jesús Sánchez Martín
Ana Belén Peinado Lozano	María Del Mar Ramírez Mena
Arantzazu Albarracín Solaeche	María Josefa Herrera De La Muela
Concepción Cuenca González	María Ramírez Hernández
Cristina Huerga López	Miguel Ángel Herráiz Martínez
Estefanía Ruipérez Pacheco	Miguel Ángel Rojo Tirado
Francisco Javier García Santos	Miriam De La Puente Yagüe
Ignacio Cristobal García	Mónica Bellón De Amo
Inés Gil Prados	Myriam Gracia Segovia
Jorge Ruiz Rodríguez	Nuria Izquierdo Méndez
Juan Eloy Asenjo De La Fuente	Raquel Rodríguez Rabanal
Juana María Brenes Sánchez	Ricardo Savirón Cornudella
Lucía Garvín Ocampos	Rocío Rivera Ruiz
Luis Monleón Llorente	Rocío Vacas Mata
M ^a Eugenia Olivares Crespo	Vanesa Rayo López



Lines of Research

- Study of the prognostic factors of breast, ovarian, endometrial, cervical and vulvar cancer.
- Study of the action of the human papilloma virus in the lower genital tract.
- Study of prophylactic and therapeutic vaccines against the human papilloma virus.
- Molecular analysis and translational research into gynaecological cancers.
- Study of robotic and minimally invasive surgery in gynaecological processes with a focus on genital tract tumours.
- Study of premature birth: morbidity, diagnosis and treatment.
- Study of depression in gestation and puerperium
- Analysis of chromosomopathy screening: triple screening and analysis of foetal DNA in maternal blood.
- Study of climacteric women from the physical and psychological point of view (resilience and depression), with a focus on perceived quality of life.
- Analysis of the value of vaginal laser treatment in genito-urinary syndrome.
- Value of rehabilitation in breast lymphoedema.

Scientific production

28

Nº of papers
(WoS)

54% (15)

% Open
Access (Nº)

24

Nº of papers
JCR indexed

79% (19)

% Citable
Items (Nº)

58% (11)

Q1 (citable items)

56.28

Cumulative IF

2.96

Average IF

Selected Publications

CORONADO MARTÍN, PLUVIO JESÚS, Gomez, Ana, Iglesias, Eva, Fasero, María, Baquedano, Laura, Sanchez, Sonia, Ramirez-Polo, Isabel, de la Viuda, Esther, Otero, Borja, Llana, Placido, Mendoza, Nicolas, Lubian, Daniel M., MHT Eligibility Criteria Grp. Eligibility criteria for using menopausal hormone therapy in breast cancer survivors: a safety report based on a systematic review and meta-analysis. MENOPAUSE- THE JOURNAL OF THE MENOPAUSE SOCIETY. 2024. 31(3):234-242). DOI: 10.1097/GME.0000000000002317. IF: 2,8. (Q1).

SAVIRÓN CORNUDELLA, RICARDO, Bielsa, Antonio Laliena, Esteban- Escano, Javier, CALVO TORRES, JAVIER, Ezquerro, Marta Cholí, Larraz, Berta Castan, Martinez-Berganza, Elisa Diaz de Teran, Castano, Maria Jose Rodriguez, Navidad, Miguel Alvaro, Garcia, Mercedes Andeyro, Orozco, Jaime Whyte, Mateo, Sergio Castan, Esteban, Luis Mariano. Diagnosis of cardiotocographic sinusoidal patterns by spectral analyses. BIOMEDICAL SIGNAL PROCESSING AND CONTROL. 2024. 93. DOI: 10.1016/j.bspc.2024.106174. IF: 4,9. (Q1).

CALVO TORRES, JAVIER, Rejas-Gutierrez, Javier, Ramirez-Mena, Mar, Bradbury, Melissa, Del Pino, Marta, Gonzalez-Granados, Carmen, Procas, Beatriz, CORONADO MARTÍN, PLUVIO JESÚS. Population-based norms for the human papillomavirus-quality of life (HPV-QoL) questionnaire: A cross-sectional multicenter study. Acta Obstetrica et Gynecologica Scandinavica. 2024. 103(8):1584-1595). DOI: 10.1111/aogs.14877. IF: 3,5. (Q1).

New Non Competitive Funding

ECL.22/521. MANAGEMENT OF EARLY-ONSET FETAL GROWTH RESTRICTION BY ANGIOGENIC FACTORS VERSUS FETO-MATERNAL DOPPLER TO PREVENT ADVERSE PERINATAL OUTCOMES (EARLY GRAFD TRIAL). PI: RICARDO SAVIRÓN CORNUDELLA. PI: PLUVIO JESÚS CORONADO MARTÍN.

ECL.24/109. DESARROLLO DE UNA HERRAMIENTA DE DIAGNÓSTICO MOLECULAR PARA EL CÁNCER DE ENDOMETRIO. PI: PLUVIO JESÚS CORONADO MARTÍN. PI: PLUVIO JESÚS CORONADO MARTÍN.

S/C. A randomized, parallel-group treatment, Phase 2, double blind pilot study to investigate the efficacy and safety of ELINZANETANT compared t placebo for treatment of sleep disturbances associated with menopause. PI: IGNACIO CRISTOBAL GARCÍA.

Doctorate Theses

Candidate: Carmen González Granados. Thesis title: HPV KNOW. Un estudio sobre el conocimiento del VPH de nuestras pacientes en las consultas de ginecología de España. Director(s): Pluvio J. Coronado Martín. University: Universidad Complutense de Madrid.

Candidate: Cristina Llana Suárez. Thesis title: Diferencias en la calidad de vida en la transición a la menopausia y en la posmenopausia temprana entre mujeres que habitan en la zona rural y urbana. Director(s): Paz García-Portilla; Pluvio J. Coronado Martín. University: Universidad de Oviedo.

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ADVANCED TECHNOLOGIES

ADVANCED TECHNOLOGIES
AND MODEL TRANSLATION AREA (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
- TEC.10 Clinical Pharmacology

Annual Goals

Leading researcher

Find points of collaboration between research groups in the área

Completed

Selected 5 publications

ORTEGA CRUZ, DIANA, Bress, Kimberly S., Gazula, Harshvardhan, Rabano, Alberto, Iglesias, Juan Eugenio, STRANGE, BRYAN ANDREW. Three-dimensional histology reveals dissociable human hippocampal long-axis gradients of Alzheimer's pathology. *ALZHEIMERS & DEMENTIA*. 2024. 20(4):2606-2619. DOI: 10.1002/alz.13695. IF: 13. (D1).

Abarca-Ortega, Aldo, GONZÁLEZ BERMÚDEZ, BLANCA DE LOS REYES, CASTRO DOMÍNGUEZ, CRISTINA, Alvarez-Lopez, Aroa, Diaz-Alcaraz, Cristina, Garvia-Rodriguez, Maria, GUINEA TORTUERO, GUSTAVO VÍCTOR, PLAZA BAONZA, GUSTAVO RAMÓN. Single-cell mechanical characterization in constriction-based cytometry. *INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES*. 2024. 268. DOI: 10.1016/j.ijmecsci.2024.108979. IF: 7,1. (D1).

BRUGNERA, MARCO, VICARIO DE LA TORRE, MARTA, GONZALEZ-CELA CASAMAYOR, MIRIAM ANA, LÓPEZ CANO, JOSE JAVIER, BRAVO OSUNA, IRENE, Huete-Toral, Fernando, Rubio, Maria Luisa Gonzalez, Carracedo, Gonzalo, MOLINA MARTÍNEZ, IRENE TERESA, ANDRÉS GUERRERO, VANESSA, HERRERO VANRELL, ROCÍO. Enhancing the hypotensive effect of latanoprost by combining synthetic phosphatidylcholine liposomes with hyaluronic acid and osmoprotective agents. *DRUG DELIVERY AND TRANSLATIONAL RESEARCH*. 2024. 14(10):2804-2822. DOI: 10.1007/s13346-024-01584-z. IF: 5,7. (D1).

Hopfe, Charlotte, Ospina-Jara, Bryan, Schulze, Thilo, Tischer, Marta, Morales, Diego, Reinhartz, Vivien, Esfahani, Rashin Eshghi, Valderrama, Carlos, PEREZ RIGUEIRO, JOSÉ, Bleidorn, Christoph, Feldhaar, Heike, Cabra-Garcia, Jimmy, Scheibel, Thomas. Impact of environmental factors on spider silk properties. *Current Biology*. 2024. 34(1). DOI: 10.1016/j.cub.2023.11.043. IF: 8,1. (D1).

Moreau, Nathan, Korai, Sohaib Ali, Sepe, Giovanna, PANETSOS PETROVA, FIVOS, Papa, Michele, Cirillo, Giovanni. Peripheral and central neurobiological effects of botulinum toxin A (BoNT/A) in neuropathic pain: a systematic review. *Pain*. 2024. 165(8):1674-1688. DOI: 10.1097/j.pain.0000000000003204. IF: 5,9. (D1).

TEC.1

Cell-biomaterial Interactions (BIO UCM)

Leading researcher

María Teresa Portolés Pérez

Members

Alberto Polo Montalvo

Mónica Cicuéndez Maroto

Laura Casarrubios Molina

Rosalía Díez Orejas

María José Feito Castellano



Lines of research

Study of the interaction of specific cell types and growth factors with biomaterials designed for tissue engineering.

Scientific production

4

Nº of papers (WoS)

100% (4)

% Open Access (Nº)

3

Nº of papers JCR indexed

100% (3)

% Citable Items (Nº)

100% (3)

Q1 (citable items)

67% (2)

D1 (citable items)

27.50

Cumulative IF

9.17

Average IF

Selected Publications

Jimenez-Holguin, J., Lozano, D., SAIZ-PARDO SANZ, MELCHOR, de Pablo, D., ORTEGA MEDINA, LUIS, Encso, S., Fernandez-Tome, B., Diaz-Guemes, I., Sanchez-Margallo, F. M., PORTOLÉS PÉREZ, MARÍA TERESA, Arcos, D. Osteogenic-angiogenic coupled response of cobalt-containing mesoporous bioactive glasses *in vivo*. ACTA BIOMATERIALIA. 2024. 176():445-457). DOI: 10.1016/j.actbio.2024.01.003. IF: 9,4. (D1).

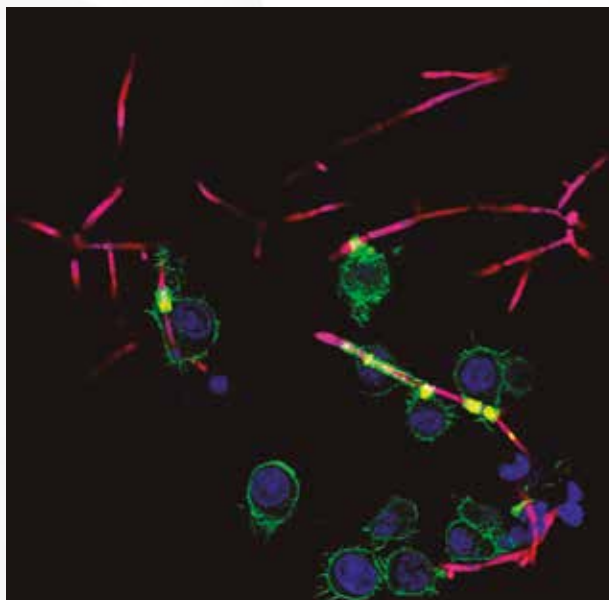
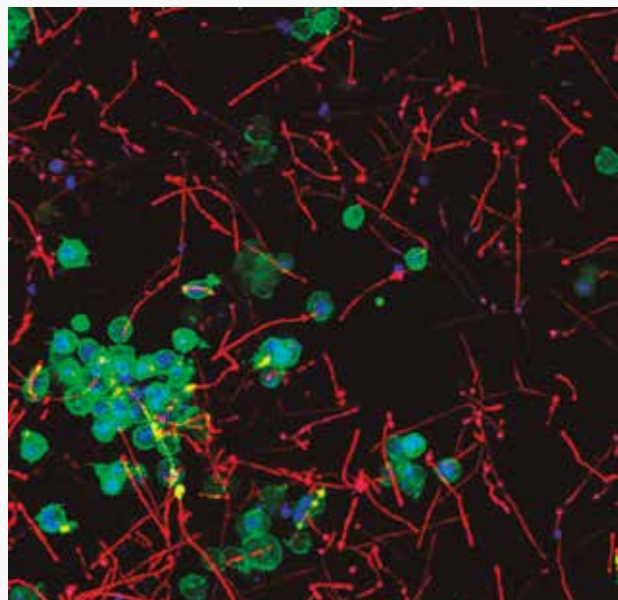
Estevez, Manuel, CICUÉNDEZ MAROTO, MÓNICA, Colilla, Montserrat, Vallet-Regi, Maria, Gonzalez, Blanca, Izquierdo-Barba, Isabel. Magnetic colloidal nanoformulations to remotely trigger mechanotransduction for osteogenic differentiation. JOURNAL OF COLLOID AND INTERFACE SCIENCE. 2024. 664():454-468). DOI: 10.1016/j.jcis.2024.03.043. IF: 9,4. (Q1).

Verstappen, Kest, Klymov, Alexey, CICUÉNDEZ MAROTO, MÓNICA, Silva, Daniela M. da, Barroca, Nathalie, Fernandez-San-Argimiro, Francisco-Javier, Madarieta, Iratxe, CASARRUBIOS MOLINA, LAURA, FEITO CASTELLANO, MARIA JOSE, DIEZ OREJAS, ROSALÍA, Ferreira, Rita, Leeuwenburgh, Sander C. G., PORTOLÉS PÉREZ, MARÍA TERESA, Marques, Paula A. A. P., Walboomers, X. Frank. Biocompatible adipose extracellular matrix and reduced graphene oxide nanocomposite for tissue engineering applications. Materials Today Bio. 2024. 26. DOI: 10.1016/j.mtbio.2024.101059. IF: 8,7. (D1).

New Competitive Funding

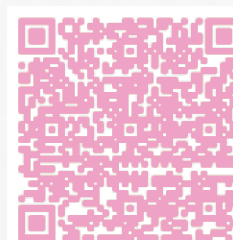
PID2023-149093OB-I00. "Implantes magnéticos basados en ARN para la regeneración del tejido óseo". PI: Isabel Izquierdo Barba y Daniel Arcos Navarrete.

FEI-EU-24-08. "Respuesta celular a biomateriales preparados con matriz extracelular y nanopartículas". PI: María Teresa Portolés Pérez.



Coencapsulation of macrophages and *Candida albicans* in decellularised porcine adipose matrix hydrogels as a 3D infection model to study macrophage immunocompetence

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TEC.2

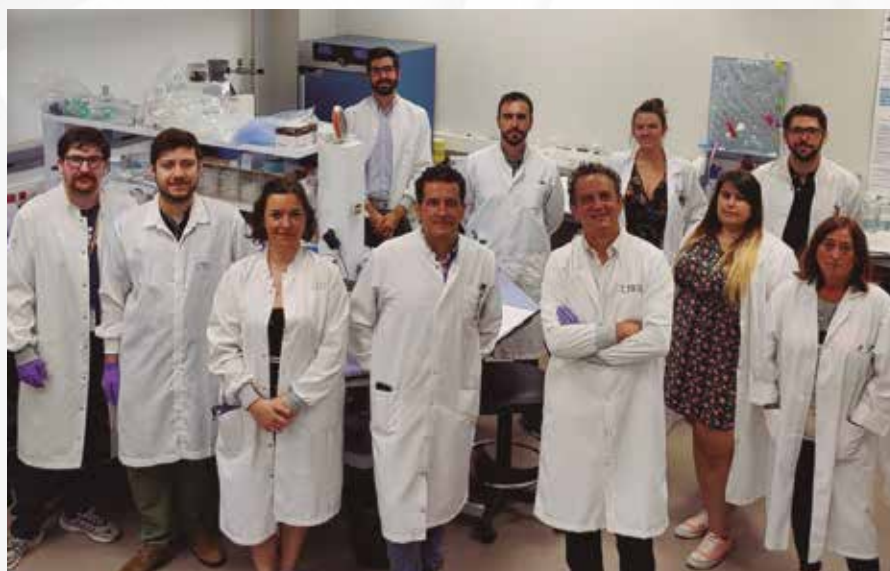
Organ and tissue on chip group and In-Vitro detection

Leading researcher

Miguel Holgado Bolaños

Members

Álvaro Lavín Hueros	María Garrido Arandia
Ana López Hernández	Pedro Herreros Pérez
Ana María Martín Murillo	Rafael Casquel Del Campo
Beatriz Santamaría Fernández	Rocío López Espinosa
Jaime Tome Amat	Sergio Andrés Quintero Moreno
María Fé Lagurna Heras	Yolanda Ramírez Alonso



Lines of research

- Biosensing and In-vitro diagnostic systems.
- Organ and tissue on a chip .
- Point-of-Care devices.
- Technology for personalized medicine.

Scientific production

18

Nº of papers (WoS)

44%(8)

% Open Access (Nº)

16

Nº of papers JCR indexed

44%(7)

% Citable Items (Nº)

86%(6)

Q1 (citable items)

14%(1)

D1 (citable items)

27.50

Cumulative IF

3.93

Average IF

ADVANCED BIOSENSING SYSTEM AND ORGAN-ON-CHIP TECHNOLOGIES FOR:

- DEVELOPING A DIAGNOSTIC KIT OF HEALTHY BRAIN
- UNDERSTANDING ALZHEIMER DISEASE
- DISCOVERING ADVANCED THERAPIES



Salud Madrid

CTB

Comunidad de Madrid

NEUROBIOTEC-CM Jan 2025 / Dec 2028

Integración de nuevas tecnologías organ-on-chip para el estudio de enfermedades cutáneas u neurodegenerativas

RED de BioBancos y Biomodelos - Plataformas ISCIII de apoyo a la I+D+i en Biomedicina y Ciencias de la Salud

RED de BioBancos PT23/00167 Jan 2024 / Dec 2027

TALES Jan 2025 / Dec 2027

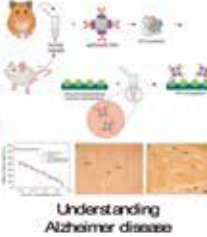
Tecnología integrada de biosensores ópticos y matrices de microelectrodos para circuitos neuronales avanzados en chips



Brain on a chip



Discovering advanced Brain Therapies



Understanding Alzheimer disease



64 determinations in non-invasive sample



Developing a diagnostic KIT of healthy Brain

INDICATIVE RESEARCH ARTICLES



International Journal of Molecular Sciences

Phosphorylated Tau at T181 accumulates in the serum of hibernating Syrian hamsters and rapidly disappears after arousal. <https://doi.org/10.1038/s41598-024-71481-5>



nature SCIENTIFIC REPORTS

A New Optical Interferometric Biosensing System Enhanced with Nanoparticles for Alzheimer's Disease in Serum. <https://doi.org/10.1038/s41598-024-71481-5>



ROYAL SOCIETY OF CHEMISTRY

Developing an improved optical biosensing system based on gold nanoparticles acting as interferometric enhancers in Lactoferrin detection. <https://doi.org/10.1039/d3bm00193d>



biosensors

Alternative Brain Slice-on-a-Chip for Organotypic Culture and Effective Fluorescence Injection Testing <https://doi.org/10.3390/sens23105254>

Selected Publications

SANTAMARIA FERNANDEZ, BEATRIZ, Hernandez, A. L., Laguna, M. F., HOLGADO BOLAÑOS, MIGUEL. Comparative analysis of electrophoresis and interferometric optical detection method for molecular weight determination of proteins. *Heliyon*. 2024. 10(16). DOI: 10.1016/j.heliyon.2024.e35932. IF: 3,4. (Q1).

Leon-Espinosa, G., MARTIN MURILLO, ANA MARÍA, Turegano-Lopez, M., Defelipe, J., HOLGADO BOLAÑOS, MIGUEL. Phosphorylated Tau at T181 accumulates in the serum of hibernating Syrian hamsters and rapidly disappears after arousal. *SCIENTIFIC REPORTS*. 2024. 14(1). DOI: 10.1038/s41598-024-71481-5. IF: 3,8. (Q1).

HERREROS PÉREZ, PEDRO, Lopez-Hernandez, Ana, HOLGADO BOLAÑOS, MIGUEL, LAGUNA HERAS, MARIA FÉ. Melanoma-on-a-chip model for anticancer drug injecting delivery method. *SLAS Technology*. 2024. 29(6). DOI: 10.1016/j.slats.2024.100219. IF: 2,5. (Q3).

Doctoral Theses

Candidate: Ana Maria Martin Murillo. Thesis title: Development of an in-vitro diagnostic system for the detection of different pathologies. Case studies of coronavirus disease 2019 and Alzheimer disease. Director(s): Miguel Holgado Bolaños. University: Universidad Politécnica de Madrid.

New Competitive Funding

PID2023-149403OB-I00. Tecnología integrada de biosensores ópticos y matrices de microelectrodos para circuitos neuronales avanzados en chips (TALES). PI: Miguel Holgado Bolaños.

TEC-2024/BIO/98. Integración de Nuevas Tecnologías organ-on-chip para el estudio de enfermedades cutáneas y neurodegenerativas. PI: Miguel Holgado Bolaños.

CONTRATO N°:19/2024. DESARROLLO DE UN SISTEMA DE DETECCIÓN BIOLÓGICA MULTIPLEXADOS DE BAJO COSTE PARA LA MEDICIÓN DE BIOMARCADORES EN LAS AGUAS. PI: Miguel Holgado Bolaños.

P240060079. DESARROLLO DE UN SISTEMA DE DIAGNÓSTICO IN-VITRO (MULDIA). PI: Miguel Holgado Bolaños.

ind2023/ IND2023/BMD-28229. CONVOCATORIA DE AYUDAS PARA LA REALIZACIÓN DE DOCTORADOS INDUSTRIALES EN LA COMUNIDAD DE MADRID (CM). PI: Miguel Holgado Bolaños.

Technology Transfer

CONTRATO DE COMPRAVENTA DE ACTIVOS ENTRE LA UNIVERSIDAD POLITÉCNICA DE MADRID Y BRILL ENGINES, S.L. Title: Optical detection method of a targeted molecule through amplification of the response of interference by refractive and dispersive index (ES2750374A1). Miguel Holgado et al.

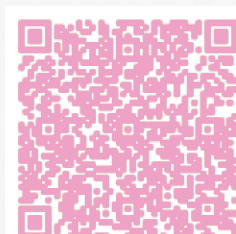
CONTRATO DE COMPRAVENTA DE ACTIVOS ENTRE LA UNIVERSIDAD POLITÉCNICA DE MADRID Y BRILL ENGINES, S.L. Title: Interferometric detection method (ES2886130T3). Miguel Holgado et al.

CONTRATO DE COMPRAVENTA DE ACTIVOS ENTRE LA UNIVERSIDAD POLITÉCNICA DE MADRID Y BRILL ENGINES, S.L. Title: Optical detection system for high sensitivity biological assays label free (ES2574138T3). Miguel Holgado et al.

Mobility of Researchers

Researcher: Miguel Holgado Bolaños. Destination country: Estados Unidos. Center: Bascom Palmer - Universidad de Miami. Date of arrival: 01/02/2024. Date of departure: 31/08/2024.

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TEC.3

Pharmaceutical Innovation in Ophthalmology

Leading researcher

Rocío Herrero Vanrell

Members

Alba Aragón Navas

Jose Javier López Cano

Beatriz De Las Heras Polo

Mª Pilar Pastoriza Abal

Irene Bravo Osuna

Marco Brugnera

Irene Cuadrado Berrocal

Marta Vicario De La Torre

Irene Teresa Molina Martínez

Miriam Ana González-Cela Casamayor



Lines of research

- Design and evaluation of controlled release systems (microspheres) of active substances for intraocular administration.
- Optimisation of topical ophthalmic formulations.
- Development of new formulations for the treatment of dry eye.
- Development of new formulations of antihypertensive agents.
- Micro- and Nanotechnology applied to the design of New Ophthalmic Formulations.
- Tolerance study of active substances, excipients, and ophthalmic formulations.

Scientific production

8

Nº of papers (WoS)

75%⁽⁶⁾

% Open Access (Nº)

8

Nº of papers JCR indexed

100%⁽⁸⁾

% Citable Items (Nº)

100%⁽⁸⁾

Q1 (citable items)

38%⁽³⁾

D1 (citable items)

36.40

Cumulative IF

4.55

Average IF

Selected Publications

ARAGON NAVAS, ALBA, Lopez-Cano, Jose Javier, Johnson, Melissa, VICARIO DE LA TORRE, MARTA, ANDRÉS GUERRERO, VANESSA, Tai, Hongyun, Wang, Wenxin, BRAVO OSUNA, IRENE, HERRERO-VANRELL, ROCÍO. Smart biodegradable hydrogels: Drug-delivery platforms for treatment of chronic ophthalmic diseases affecting the back of the eye. INTERNATIONAL JOURNAL OF PHARMACEUTICS. 2024. 649. DOI: 10.1016/j.ijpharm.2023.123653. IF: 5,3. (D1).

BRUGNERA, MARCO, VICARIO DE LA TORRE, MARTA, GONZALEZ-CELA CASAMAYOR, MIRIAM ANA, LÓPEZ CANO, JOSE JAVIER, BRAVO OSUNA, IRENE, Huete-Toral, Fernando, Rubio, Maria Luisa Gonzalez, Carracedo, Gonzalo, MOLINA MARTÍNEZ, IRENE TERESA, ANDRÉS GUERRERO, VANESSA, HERRERO VANRELL, ROCÍO. Enhancing the hypotensive effect of latanoprost by combining synthetic phosphatidylcholine liposomes with hyaluronic acid and osmoprotective agents. DRUG DELIVERY AND TRANSLATIONAL RESEARCH. 2024. 14(10):2804-2822). DOI: 10.1007/s13346-024-01584-z. IF: 5,7. (D1).

ARAGON NAVAS, ALBA, Rodrigo, Maria Jesus, Munuera, Ines, GARCIA HERRANZ, DAVID, Subias, Manuel, Villacampa, Pilar, GARCÍA FEIJOÓ, JULIÁN, Pablo, Luis, GARCÍA MARTÍN, ELENA SALOBRAR, HERRERO VANRELL, ROCÍO, BRAVO OSUNA, IRENE. Multi-loaded PLGA microspheres as neuroretinal therapy in a chronic glaucoma animal model. DRUG DELIVERY AND TRANSLATIONAL RESEARCH. 2024. 15(5):1660-1684). DOI: 10.1007/s13346-024-01702-x. IF: 5,7. (D1).

Award

Researcher aware: Marco Brugnera. Award: 'Top Poster Award' en Controlled Release Society 2024 Annual Meeting (Bologna, Italia, 08-12/07/2024). Awarded work: 'Latanoprost-Loaded Liposomes with Sodium Hyaluronate, Betaine and Leucine as Well-tolerated and Effective Topical Antiglaucoma Option'. M Brugnera, M Vicario-de-la-Torre, MA González-Cela-Casamayor, JJ López-Cano, V Andrés-Guerrero, I Bravo-Osuna, F Huete-Toral, ML González-Rubio, G Carracedo, IT Molina-Martínez, R Herrero-Vanrell.

Researcher aware: Marco Brugnera. Award: '3rd Best Oral Presentation' en XV Spanish Portuguese Conference on Controlled Drug Delivery (Lisboa, Portugal, 14-16/02/2024). Awarded work: 'Two Promising Nanoformulations for Improving Latanoprost Effectiveness: Liposomes and Microemulsions Eye Drops'. M Brugnera, MA González-Cela-Casamayor, JJ López-Cano, M Vicario-de-la-Torre, V Andrés-Guerrero, I Bravo-Osuna, F Huete-Toral, ML González-Rubio, G Carracedo, IT Molina-Martínez, R Herrero-Vanrell.

New competitive funding

PID2023-148219OB-C21. Nano-y microdispositivos biodegradables multicargados avanzados y sistemas troyanos como plataformas terapéuticas neuroprotectoras en el glaucoma. PI: INVESTIGADOR PRINCIPAL HERRERO VANRELL, ROCÍO COINVESTIGADOR PRINCIPAL BRAVO OSUNA IRENE.

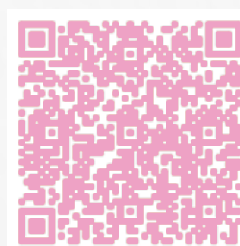
Doctoral Theses

Candidate: MARCO BRUGNERA. Thesis title: Micro-y nanotecnologías para el tratamiento de enfermedades oculares neurodegenerativas. Director(s): MARÍA DEL ROCÍO HERRERO VANRELL. University: UNIVERSIDAD COMPLUTENSE DE MADRID.

Mobility of Researchers

Researcher: Marco Brugnera. Destination country: Italia. Center: Food and Drug Department, Università di Parma, Parma. Date of arrival: 14/01/2024. Date of departure:

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TEC.4

Biomaterials and Regenerative Medicinerative

Leading researcher

Gustavo Víctor Guinea Tortuero

Members

Blanca De Los Reyes González Bermúdez	José Perez Rigueiro
Francisco Javier Rojo Pérez	Mahdi Yonesi
Gustavo Ramón Plaza Baonza	Pablo Sarabia Ortiz
José Miguel Atienza Riera	Rafael Daza García



Lines of research

- Biomaterials based on silk fibroin. Silk proteins are used for the production of different formats of biomaterials: fibres, films, gels, meshes, etc. in combination with stem cells and biomolecules.
- Cell mechanics and mechanobiology. The assessment of cell deformability by micropipette aspiration, atomic force microscopy and microfluidic methods allows characterisation of the physiological or pathological state of different cell lineages and is used as a diagnostic technique. The group is working on the analysis of the relationships between deformability, internal organisation and cell function.
- Biofunctionalisation of biomaterials. Biomaterials are functionalised by activated steam silanisation, a patented technique that allows them to be covered with a biofunctional layer that modulates the organism's response to the implant and enhances patient acceptance.
- Atomic force microscopy of biological systems. Atomic force microscopy allows the characterisation of living systems from the molecular to the tissue scale, including the cellular scale. The use of specific detection probes allows the presence of individual biomolecules on the surface of cells to be characterised.

Scientific production

7

Nº of papers (WoS)

57%⁽⁴⁾

% Open Access (Nº)

7

Nº of papers JCR indexed

100%⁽⁷⁾

% Citable Items (Nº)

86%⁽⁶⁾

Q1 (citable items)

75%⁽⁴⁾

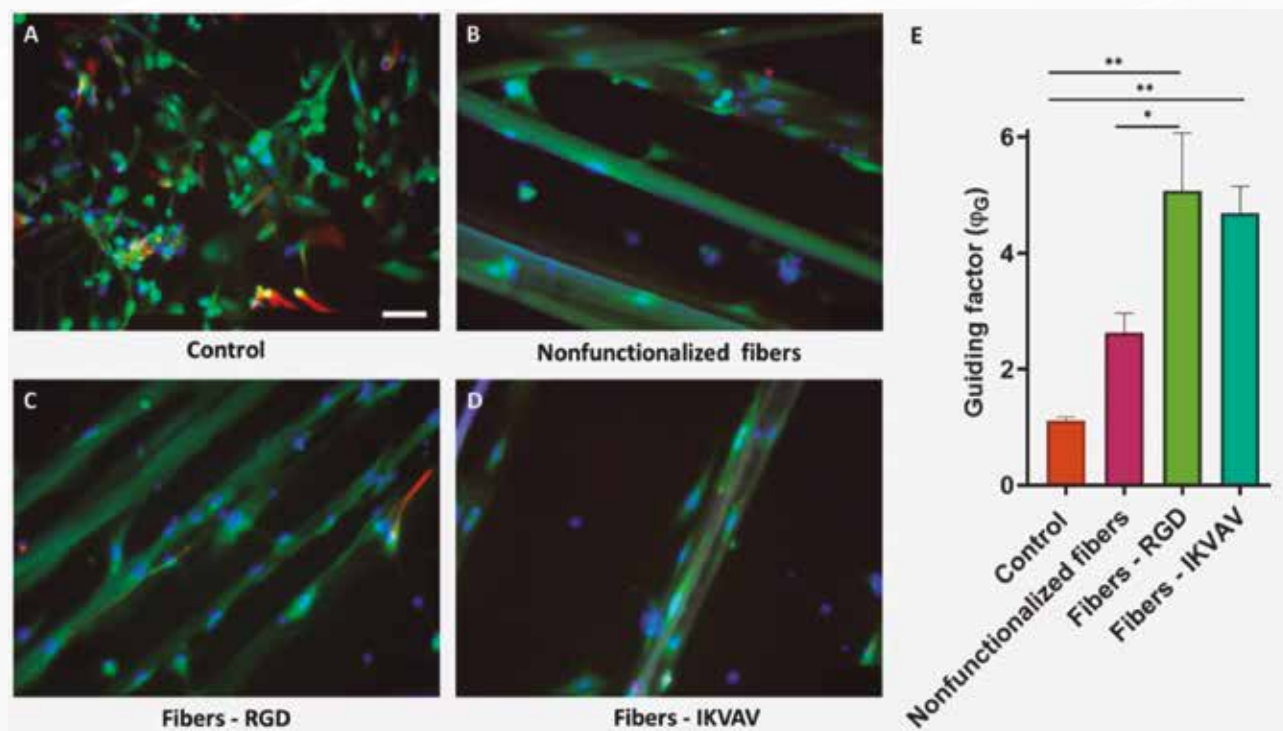
D1 (citable items)

42.50

Cumulative IF

6.07

Average IF



Selected Publications

Abarca-Ortega, Aldo, GONZÁLEZ BERMÚDEZ, BLANCA DE LOS REYES, CASTRO DOMÍNGUEZ, CRISTINA, Alvarez-Lopez, Aroa, Diaz-Alcaraz, Cristina, Garvia-Rodríguez, María, GUINEA TORTUERO, GUSTAVO VÍCTOR, PLAZA BAONZA, GUSTAVO RAMÓN. Single-cell mechanical characterization in constriction-based cytometry. INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES. 2024. 268. DOI: 10.1016/j.ijmecsci.2024.108979. IF: 7,1. (D1).

Corregidor-Ortiz, Daniel, Daza, Rafael, Colchero, Luis, Tabraue-Rubio, Raquel, Atienza, Jose Miguel, Elices, Manuel, GUINEA TORTUERO, GUSTAVO VÍCTOR, PEREZ RIGUEIRO, JOSÉ. Identification of Individual Target Molecules Using Antibody-Decorated DeepTip™ Atomic-Force Microscopy Probes. Biomimetics. 2024. 9(4). DOI: 10.3390/biomimetics9040192. IF: 3,4. (Q1).

Abarca-Ortega, Aldo, GONZÁLEZ BERMÚDEZ, BLANCA DE LOS REYES, PLAZA BAONZA, GUSTAVO RAMÓN. Enhancing micropipette aspiration with artificial-intelligence analysis. BIOPHYSICAL JOURNAL. 2024. 123(17):2860-2868. DOI: 10.1016/j.bpj.2024.04.006. IF: 3,2. (Q2).

Doctoral Theses

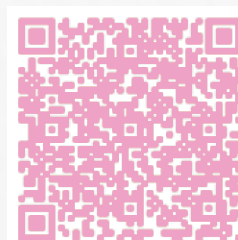
Candidate: DANIEL CORREGIDOR ORTIZ. Thesis title: Developing affinity microscopy: Characterization and use of functionalized AFM tips to measure intermolecular forces. Director(s): Gustavo Víctor Guinea Tortuero. University: Universidad Politécnica de Madrid.

Candidate: AROA ÁLVAREZ LÓPEZ. Director(s): Daniel González Nieto. University: Universidad Politécnica de Madrid.

Mobility of Researchers

Researcher: Blanca González Bermúdez. Destination country: Francia. Center: Laboratorio de Análisis y Arquitectura de Sistemas (LAAS-CNRS). Date of arrival: 26/08/2024. Date of departure: 29/09/2024.

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Leading researcher

Bryan Andrew Strange

Members

Alba Peris-Yague	Marcos Raphael Benítez Aldás
Darya Rivka Frank	Marta Casales Santa
Diana Ortega Cruz	Marta Garo Pascual
Dustin Fetterhoff	Robin Hellerstedt
Manuela Costa	Svenja Treu



Lines of research

- Using magnetic resonance imaging, study of changes in brain anatomy in patients with dementia at the Queen Sofia Foundation Alzheimer Centre and their relationship with observable post-mortem histopathology.
- Prediction of conversion to MCI.
- White matter microstructural differences in future MCI patients: use of diffusion imaging to investigate white matter differences between controls and subjects who will develop MCI.
- Cross-sectional and longitudinal differences in hippocampal volume between APOE - 4 carriers and non-carriers.
- We studied a population of people over 80 years old with an episodic memory 30 years younger.
- To understand the neurocognitive bases of emotional memory.
- Study of different factors that modulate memory.
- The study of how unexpected events improve our memory and what neurobiological mechanisms underlie this process.
- Intracranial electrophysiology of emotional memory retrieval.
- Analysis of the effects of deep brain stimulation of the nucleus accumbens on memory in patients suffering from treatment-resistant obsessive-compulsive disorder.

Scientific production

8

Nº of papers (WoS)

75%⁽⁶⁾

% Open Access (Nº)

8

Nº of papers JCR indexed

100%⁽⁸⁾

% Citable Items (Nº)

75%⁽⁶⁾

Q1 (citable items)

38%⁽³⁾

D1 (citable items)

50.80

Cumulative IF

6.35

Average IF

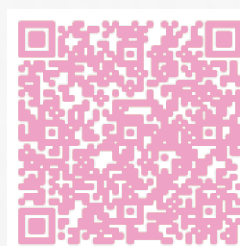
Selected Publications

ORTEGA CRUZ, DIANA, Bress, Kimberly S., Gazula, Harshvardhan, Rabano, Alberto, Iglesias, Juan Eugenio, STRANGE, BRYAN ANDREW. Three-dimensional histology reveals dissociable human hippocampal long-axis gradients of Alzheimer's pathology. ALZHEIMERS & DEMENTIA. 2024. 20(4):2606-2619. DOI: 10.1002/alz.13695. IF: 13. (D1).

FETTERHOFF, DUSTIN, COSTA, MANUELA, HELLERSTEDT, ROBIN, Johannessen, Rebecca, Imbach, Lukas, Sarnthein, Johannes, STRANGE, BRYAN ANDREW. Report Neuronal population representation of human emotional memory. CELL REPORTS. 2024. 43(4). DOI: 10.1016/j.celrep.2024.114071. IF: 7,5. (Q1).

GARO PASCUAL, MARTA, Zhang, Linda, Valenti-Soler, Meritxell, STRANGE, BRYAN ANDREW. Superagers Resist Typical Age-Related White Matter Structural Changes. JOURNAL OF NEUROSCIENCE. 2024. 44(25). DOI: 10.1523/JNEUROSCI.2059-23.2024. IF: 4,4. (Q1).

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TEC.6

Applied Research in Neuroscience (to: Neuromodulation and Neurorepair)

Leading researcher

Juan Antonio Barcia Albacar

Members

Adela Fraile Pereda	María Rebeca Lliguin León
Albert Trondín	Maria Victoria Acedo Díaz-Pache
Alberto Del Cerro León	Martín Carrasco Gómez
Álvaro Araujo Pinto	Mª De Las Mercedes González Hidalgo
Fernando Jose Rascón Ramírez	Oleza López Cantó
Gianluca Susi	Pedro Alonso Lera
Idoya Barca Fernández	



Lines of research

- Identification and optimisation of targets for brain stimulation using functional neuroimaging techniques
- Inducing brain plasticity through paired stimulation
- Use of stem cells for brain reconstruction
- Use of biomaterials for brain regeneration and reconstruction
- Imaging and neurophysiology-based neurosurgical technology

Scientific production

4

Nº of papers
(WoS)

100% (4)

% Open
Access (Nº)

3

Nº of papers
JCR indexed

67% (2)

% Citable
Items (Nº)

100% (2)

Q1 (citable items)

8.90

Cumulative IF

4.45

Average IF

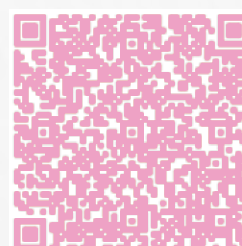
Selected Publications

FERNÁNDEZ BELTRÁN, LUIS CARLOS, Ali, Zeinab, LARRAD SÁINZ, ANGÉLICA, Lopez-Carbonero, Juan I., GODOY CORCHUELO, JUAN MIGUEL, JIMÉNEZ COCA, IRENE, GARCÍA TOLEDO, IRENE, Bentley, Liz, GÓMEZ PINEDO, ULISES ALFONSO, MATÍAS-GUIÚ ANTEM, JORDI, GIL MORENO, MARIA JOSE, MATÍAS-GUIU GUIA, JORGE, CORROCHANO SÁNCHEZ, SILVIA. Leptin haploinsufficiency exerts sex-dependent partial protection in SOD1^{G93A} mice by reducing inflammatory pathways in the adipose tissue. SCIENTIFIC REPORTS. 2024. 14(1). DOI: 10.1038/s41598-024-52439-z. IF: 3,8. (Q1).

GODOY CORCHUELO, JUAN MIGUEL, Ali, Zeinab, Armas, Jose M. Brito, Martins-Bach, Aurea B., GARCÍA TOLEDO, IRENE, FERNÁNDEZ BELTRÁN, LUIS CARLOS, Lopez-Carbonero, Juan I., BASCUÑANA ALMAR-CHA, PABLO, Spring, Shoshana, JIMÉNEZ COCA, IRENE, Alfare, Ramon A. Munoz de Bustillo, Sanchez-Barrena, Maria J., Nair, Remya R., Nieman, Brian J., Lerch, Jason P., Miller, Karla L., Ozdinler, Hande P., Fisher, Elizabeth M. C., Cunningham, Thomas J., Acevedo-Aroza, Abraham, CORROCHANO SÁNCHEZ, SILVIA. TDP-43-M323K causes abnormal brain development and progressive cognitive and motor deficits associated with mislocalised and increased levels of TDP-43. NEUROBIOLOGY OF DISEASE. 2024. 193. DOI: 10.1016/j.nbd.2024.106437. IF: 5,1. (Q1).

Arevalo-Saenz, Alejandra A., RASCON RAMIREZ, FERNANDO JOSE, Pujante Ferrandez, Borja, Pedrosa Sanchez, Manuel. Solitary plasmacytoma: An unusual dural-based lesion - A case report. Brain Circulation. 2024. 10(3):277-280. DOI: 10.4103/bc.bc_101_23.

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TEC.7

Innovation: Surgery, Pharmaceuticals and Neuroengineering

Leading researcher

Julio Ángel Mayol Martínez

Members

Abel Sánchez Jiménez	Jorge Nieto De Vicente-Arche
Andres Sebastián Santiago Saez	Jose Julio Gómez Castillo
Antonio Murciano Cespedosa	Laura Llorente Sanz
Celia Herrera Rincón	Lidia Ybañez García
Concepción Diego González	Mª Jesús Peña Soria
Cristina González Pérez	María De La Paz Pacheco Ramos
Enrique Caso Onzain	María Molinero Muñoz
Federico Álvarez García	María Teresa Benítez Giménez
Fivos Panetsos Petrova	Milagros Merino Fernández
Giuseppe Fico	Paula Marina Álvarez Gil
Helena Vidakovic Buncic	Rocío Anula Fernández
Isaac Santiago Cuenca Villafañe	Santiago Zazo Bello
Joan Chafer Vilaplana	



Lines of research

Innovation:

- Design and implementation of an anonymised data repository model for clinical research.
- Development and validation of decision support tools based on data analysis.

Pharmacy:

- Evaluation and analysis of health outcomes.
- Digital transformation and robotisation.
- Personalisation and individualisation of pharmacotherapy.
- Humanisation.

Surgery:

Scientific production

28

Nº of papers (WoS)

68% (19)

% Open Access (Nº)

19

Nº of papers JCR indexed

74% (14)

% Citable Items (Nº)

86% (12)

Q1 (citable items)

29% (4)

D1 (citable items)

70.70

Cumulative IF

5.05

Average IF

- Imaging and surgery.
- Minimally invasive surgery.
- Robotisation.
- Artificial intelligence.

Selected Publications

Sanchez-Guillen, Luis, Lillo-Garcia, Cristina, Barber, Xavier, Gonzalez-Mora, Cesar, Alvarez-Gallego, Mario, Ioannidis, Argyrios, Clermonts, Stefan, Frontali, Alice, Saldana, Roberto, MAYOL MARTÍNEZ, JULIO ÁNGEL, Pellino, Gianluca, IHealthStudy Collaborators. Patients' perception of using telehealth for consultation: insights after pandemic and development of an online calculator platform to predict acceptance of remote consultation: the TELEMED international study. Updates in Surgery. 2024. 76(5):2031-2041. DOI: 10.1007/s13304-024-01780-z. IF: 2,4. (Q2).

Srivastava, Girish K., Martinez-Rodriguez, Sofia, Fadilah, Nur Izzah Md, Hao, Daniel Looi Qi, Markey, Gavin, Shukla, Priyank, Fauzi, Mh Busra, PANETSOS PETROVA, FIVOS. Progress in Wound-Healing Products Based on Natural Compounds, Stem Cells, and MicroRNA-Based Biopolymers in the European, USA, and Asian Markets: Opportunities, Barriers, and Regulatory Issues. POLYMERS. 2024. 16(9). DOI: 10.3390/polym16091280. IF: 4,7. (Q1).

FERNÁNDEZ ALONSO, CESÁREO, Vargas Lobe, Sara, Fernandez Garcia, Laura, Fuentes Ferrer, Manuel, Quintela Jorge, Oscar, Bravo Serrano, Begona, GONZÁLEZ ARMENGOL, JUAN JORGE, SANTIAGO SAEZ, ANDRES SEBASTIÁN. Differences in toxicology reports and hospital emergency care for patients suspected of experiencing drug-facilitated crimes: an analysis according to gender. EMERGENCIAS. 2024. 36(4):249-256. DOI: 10.55633/s3me/024.2024. IF: 5,4. (D1).

Awards

Researcher aware: Marta Ordax, Laura Llorente, Esther Aleo, Isabel Cuéllar, Carmen Hernández, Enrique Criado, María Luaces, José Martínez Orgado y Yolanda Toro. Servicios de Neonatología y Pediatría del Instituto del Niño y del Adolescente, y la Unidad de Innovación del IdISSC. Award: 2ª Edición Premios Protagonista de CHIESI. Awarded work: "NEODAT: Herramienta digital en el domicilio neonatal".

Researcher aware: Laura Llorente. Award: Premio Protagonistas. Awarded work: Proyecto Neodat: herramienta digital en el domicilio neonatal.

Researcher aware: Julio Mayol Martínez. Award: Premio Latido 2024. Awarded work: Comunicación y Divulgación.

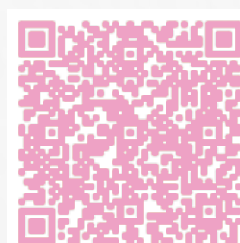
Clinical Practice Guidelines

Herreros, Benjamin, Ramnath, Venkatesh R., SANTIAGO SAEZ, ANDRES SEBASTIÁN, VELASCO SANZ, TAMARA RAQUEL, Pastor, Pilar Pinto. Guidelines for conscientious objection in Spain: a proposal involving prerequisites and protocolized procedure. PHILOSOPHY ETHICS AND HUMANITIES IN MEDICINE. 2024. DOI: 10.1186/s13010-024-00155-x.

Visiting

Visiting researcher: Laura Galán Caballero. Country of origin: Servicio de Farmacología clínica. Center: HCSC Project: Preparación de tesis "uso de medicamentos oncológicos fuera de indicación en el Hospital Clínico San Carlos". Period:

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TEC.8

Radiology Research

Leading researchers

Juan Lorenzo Arrazola García

José Miguel Fernández Soto

Members

Ana Bustos García De Castro

José Manuel Espejo Domínguez

Ana María Crespo Rodríguez

Jose Ramon Sañudo Tejero

Ángel Nava Muñoz

Lidia Gil Martínez

Araceli Viñuela Rojo

Mª Teresa Vázquez Osorio

Beatriz Cabeza Martínez

Manuel Moreu Gamazo

Beatriz Lannegrand Menéndez

Manuela Jorquera Moya

David Flávio Martínez Barrio

María Del Carmen Polidura Arruga

David Llanos Pérez

María José Moreno Casado

Domingo Pablo Córdoba Gómez

María Natividad Gómez Ruiz

Eduardo Guibelalde Del Castillo

Ramiro Méndez Fernández

Eliseo Vañó Carruana

Roberto Mariano Sánchez Casanueva

Estela Jiménez Luque

Rocío Bermudez Luna

Francisco José Valderrama Canales

Susana Martín Garre

Íñigo De La Pedraja Gómez-Ceballos

Virginia Álvarez Sánchez

Javier De Areba Iglesias

Zulima Aza Villarrubia

Jose Ignacio Ten Morón



Lines of research

Biomedical imaging

- Validity and reliability of radiological tests. Search for disease or risk markers for different pathologies.
- Conducting studies to reduce the radiation dose from exposure in medical imaging.
- Development of biomedical image manipulation and processing methods, and integration of different imaging techniques.
- Design of systems or processes aimed at optimising the quality of biomedical imaging and the overall quality of radiology services.
- Development of learning methods and programmes for training.
- Interventionism in cerebral vascular pathology.

Medical Physics

- Radiological protection in fluoroscopy-guided interventional techniques.
- Optimisation of radiological procedures, reducing risks to professionals and patients.
- Assessment of Radiological Risks in Radiotherapy.

Scientific production

27

Nº of papers (WoS)

41% (11)

% Open Access (Nº)

20

Nº of papers JCR indexed

80% (16)

% Citable Items (Nº)

69% (11)

Q1 (citable items)

31% (5)

D1 (citable items)

72.27

Cumulative IF

4.52

Average IF

Selected Publications

HUETE SCHMOLLING, ÁNGELA, PEREZ GARCIA, CARLOS NICOLAS, Trejo, Carmen, Lopez-Frias, Alfonso, Jaroengarmsamer, Tanaporn, Rosati, Santiago, Arrazola, Juan, MOREU GAMAZO, MANUEL. Middle Meningeal Artery Embolization for Management of Chronic Subdural Hematoma. Radiographics. 2024. 44(4). DOI: 10.1148/rg.230158. IF: 4,967. (Q1).

VAÑÓ CARRUANA, ELISEO, SÁNCHEZ CASANUEVA, ROBERTO MARIANO, FERNÁNDEZ SOTO, JOSÉ MIGUEL, TEN MORON, JOSE IGNACIO. Alerts to improve occupational protection during Interventional Radiology. More attention is needed for simple but frequent procedures. PHYSICA MEDICA-EUROPEAN JOURNAL OF MEDICAL PHYSICS. 2024. 121. DOI: 10.1016/j.ejmp.2024.103361. IF: 3,3. (Q1).

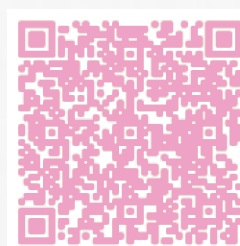
MOREU GAMAZO, MANUEL, GÓMEZ-ESCALONILLA ESCOBAR, CARLOS IGNACIO, Miralbes, Salvador, Naravetla, Bharath, Spiotta, Alejandro M., Loehr, Christian, Martinez-Galdamez, Mario, McTaggart, Ryan A., Defreyne, Luc, Vega, Pedro, Zaidat, Osama O., Price, Lori Lyn, Liebeskind, David S., Moehlenbruch, Markus A., Gupta, Rishi, ROSATI, SANTIAGO, ASSIST Investigators. Placing the balloon-guide catheter in the high cervical segment of the internal carotid artery is associated with improved recanalization. JOURNAL OF NEUROINTERVENTIONAL SURGERY. 2024. DOI: 10.1136/jnis-2024-021650. IF: 4,5. (D1).

New Non Competitive Funding

ECL.23/506. PROTOCOLO DE INVESTIGACIÓN CLÍNICA WE-TRUST (WORKFLOW OPTIMIZATION TO REDUCE TIME TO ENDOVASCULAR REPERFUSION FOR ULTRA-FAST STROKE TREATMENT). PI: MANUEL MOREU GAMAZO.

ECL.24/291. ESTUDIO PROSPECTIVO, ALEATORIZADO, DE DOBLE BRAZO Y MULTICÉNTRICO PARA EVALUAR LA SEGURIDAD Y LA EFICACIA DE LA TROMBECTOMÍA MECÁNICA CON EL DISPOSITIVO ANACONDA ANA5 EN COMBINACIÓN CON UN STENT RETRIEVER. PI: MANUEL MOREU GAMAZO.

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TEC.9

Nuclear Physics Techniques and Instrumentation in Biomedicine

Leading researcher

Mailyn Pérez Liva

Members

Adrián Zazpe Apezteguía	José Andrés Avellaneda González
Alejandro Ariza Carrasco	José Manuel Udias Moinelo
Andrea Espinosa Rodríguez	Luis Mario Fraile Prieto
Cayetano Soneira Landín	Martina Quartieri
Daniel Sánchez Parcerisa	Nerea Encina Baranda
Esther Loscertales Vacas	Pablo Cabrales Miró-Granada
Helena Segarra Adell	Pablo Galve Lamo
Inés Del Monte García	Paula Beatriz Ibáñez García
Javier García Muñoz	Samuel España Palomares
Javier López Rodríguez	Sara De Scals Carmona
Joaquín López Herraiz	Victor Martínez Nouvilas



Lines of research

- Development of instrumentation and processing of data and signals in multimodal imaging (molecular, functional, and structural) for clinical and preclinical experimentation.
- Development of new techniques for quality control, planning, and monitoring in radiotherapy applications.

Scientific production

12

Nº of papers (WoS)

33%(4)

% Open Access (Nº)

12

Nº of papers JCR indexed

67%(8)

% Citable Items (Nº)

50%(4)

Q1 (citable items)

13%(1)

D1 (citable items)

25.40

Cumulative IF

3.17

Average IF

Selected Publications

LÓPEZ HERRAIZ, JOAQUÍN, Lopez-Montes, Alejandro, Badal, Andreu. MCGPU-PET: An open-source real-time Monte Carlo PET simulator. COMPUTER PHYSICS COMMUNICATIONS. 2024. 296. DOI: 10.1016/j.cpc.2023.109008. IF: 7,2. (D1).

Onecha, V. V., Espinosa-Rodriguez, A., Briz, J. A., ESPAÑA PALOMARES, SAMUEL, Garcia, G., Garcia-Diez, M., IBAÑEZ GARCIA, PAULA BEATRIZ, Nouvilas, V. M., SÁNCHEZ PARCERISA, DANIEL, UDIAS MOINELO, JOSE MANUEL, Vinals, S., FRAILE PRIETO, LUIS MARIO. Reaction yields and angular distributions of prompt γ -rays for range verification in proton therapy using ^{18}O . RADIATION PHYSICS AND CHEMISTRY. 2024. 217. DOI: 10.1016/j.radphyschem.2023.111485. IF: 2,8. (Q1).

GALVE LAMMOZ, PABLO, Arias-Valcayo, Fernando, Villa-Abaunza, Amaia, IBAÑEZ GARCIA, PAULA BEATRIZ, UDIAS MOINELO, JOSE MANUEL. UMC-PET: a fast and flexible Monte Carlo PET simulator. PHYSICS IN MEDICINE AND BIOLOGY. 2024. 69(3). DOI: 10.1088/1361-6560/ad1cf9. IF: 3,3. (Q1).

Awards

Researcher aware: Pablo Cabrales. Award: Micheal Goitein Award Winner for Physics of the 63rd Annual PTCOG Conference, taking place 2-7 June 2025 in Buenos Aires, Argentina. Awarded work: Mapping tumor heterogeneity through pet-derived washout following proton therapy. Pablo Cabrales, David Izquierdo-García, Víctor V. Onecha, Mailylyn Perez-Liva, José M. Udías, Luis Mario Fraile, Joaquin L. Herraiz.

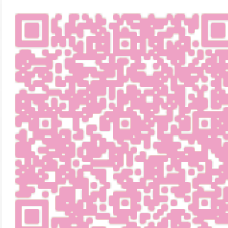
New Competitive Funding

SOCIEDAD ESPAÑOLA DE ELECTROMEDICINA Y CALIDAD (695-2023). PET Cerebral. PI: Jose Manuel Udías.

Doctoral theses

Candidate: Fernando Arias Valcayo. Thesis title: Métodos avanzados de reconstrucción y procesamiento de datos en tomografía por emisión de positrones. Director(s): Jose Manuel Udías Moinele. University: Universidad Complutense de Madrid.

Scan me!



TEC.10

Clinical Pharmacology

Leading researcher

Emilio Vargas Castrillón

Members

Alexandra Domingo Fernández	Juan Carlos Rodriguez Molina
Ana Ascaso Del Río	Laura Galán Caballero
Ana Belén Rivas Paterna	Leonor María Laredo Velasco
Ana Isabel Terleira Fernández	Lourdes Cabrera Garcia
Ángeles Ramírez Tabernero	Manuel Sánchez Craviotto
Antonio Portolés Pérez	María Del Mar García Arenillas
Carla Pérez Ingidua	María Del Rosario Salas Butrón
Carlos María Elvira Martínez	Marina Gómez Esteban
Carmen Sanz Nieto	Natali Giselle Lara González
Cristina Cuesta Mínguez	Natalia Pérez Macías
Enrique Pacheco Del Cerro	Natalia Rodríguez Galan
Esperanza González Rojano	Pedro Pablo Bermejo Martínez
Eva Mª Martín Nieto	Sergio Mosquera Ferrer
Fernando De Andrés Rodríguez-Trelles	Sonia Domínguez Muñoz
Irene Pita Martín	Susana García Ramos
Iván Alejandro Díaz Rengifo	Teresa Iglesias Hernangómez
José Antonio Gil Marín	Tomás Lahoz Hormigos



Lines of research

- Pharmacokinetics/pharmacodynamics: Study of the pharmacokinetic and bioavailability characteristics of medicinal products, as well as their comparisons and/or modifications/interactions/factors that influence them. Study of effect or response variables.
- Pharmacoepidemiology: Evaluations relating to the safety, effectiveness, usefulness, resource consumption, and/or quality of use of medicines.
- Evaluation of the methodological, ethical and regulatory characteristics of clinical research.

Scientific production

18

Nº of papers (WoS)

44%⁽⁸⁾

% Open Access (Nº)

16

Nº of papers JCR indexed

44%⁽⁷⁾

% Citable Items (Nº)

86%⁽⁶⁾

Q1 (citable items)

14%⁽¹⁾

D1 (citable items)

27.50

Cumulative IF

3.93

Average IF

Selected Publications

Garcia-Perez, Javier, Borobia, Alberto M., Perez-Olmeda, Mayte, PORTOLÉS PÉREZ, ANTONIO, Castano, Luis, Campins-Arti, Magdalena, Bertran, Maria Jesus, Bermejo, Mercedes, Arribas, Jose Ramon, Lopez, Andrea, ASCASO DEL RÍO, ANA, Arana-Arri, Eunete, Camps, Inmaculada Fuentes, Vilella, Anna, Cascajero, Almudena, Garcia-Morales, Maria Teresa, de la Osa, Maria Castillo, PÉREZ INGÍDUA, CARLA, Lora, David, Jimenez-Santana, Paloma, Pino-Rosa, Silvia, de la Camara, Agustin Gomez, de la Torre-tarazona, Erick, Calonge, Esther, Cruces, Raquel, Belda-Iniesta, Cristo bal, Alcamí, Jose, Frias, Jesus, Carcas, Antonio J., Díez-Fuertes, Francisco, CombiVacS Study Grp. Immunogenicity of a third dose with mRNA-vaccines in the ChAdOx1-S/ BNT162b2 vaccination SARS-CoV-2 variants. iScience. 2024. 27(9). DOI: 10.1016/j.isci.2024.110728. IF: 4,6. (Q1).

Sanchez-Fernandez, David, Eguibar, Aritz, Lopez, Cristina, CUESTA MARTÍNEZ, ÁNGEL, Albinana, Virginia, Rogers-Ezewuiké, Soline, GOMEZ RIVAS, JUAN, Saldana, Laura, Botella, Luisa M., MOSQUERA FERRER, SERGIO. Effect of 5 β -dihydrotestosterone on vasodilator function and on cell proliferation. Plos One. 2024. 19(10). DOI: 10.1371/journal.pone.0312080. IF: 2,9. (Q1).

PÉREZ INGÍDUA, CARLA, RIVAS PATERNA, ANA BELÉN, Gonzalez-Perrino, C., ALEO LUJAN, ESTHER, ASCASO DEL RÍO, ANA, LAREDO VELASCO, LEONOR MARÍA, PORTOLÉS PÉREZ, ANTONIO, VARGAS CASTRILLÓN, EMILIO. Adverse drug reactions in paediatric surgery: prospective study on frequency and risk related factors. BMC PEDIATRICS. 2024. 24(1). DOI: 10.1186/s12887-024-04803-1. IF: 2. (Q2).

Awards

Researcher aware: Natalia Rodriguez Galan, Miriam Castro Castro. Award: Los premios New Medical Economics, con el premio en la categoría: III Reconocimiento a las mejores prácticas en la experiencia del paciente en el servicio madrileño de salud". Awarded work: Programa proactivo de identificación y notificación de reacciones adversas a medicamentos por enfermería de practica avanzada y evaluacion del impacto en la experiencia del paciente relacionada con el uso seguro de los medicamentos.

New competitive funding

TEC-2024/BIO-307) acrónimo (BICAROBESITY-CM) Organismo Coordinador: Fundación IMDEA Alimentación. FUNCIONALIZACIÓN DE BIGELES BASADOS EN SUBPRODUCTOS DE ALGARROBA PARA LA FORMULACIÓN DE ALIMENTOS CÁRNICOS: EVALUACIÓN PRECLÍNICA Y CLÍNICA EN LA DIABESIDAD. PI: ANTONIO PORTOLÉS PÉREZ.

PT23/00162. Plataforma ISCIII de soporte para la Investigación Clínica. UICEC Unidad de Investigación clínica y ensayos clínicos. PI: Antonio Portoles Perez; IC: Leonor Laredo Velasco; Ana Ascaso Del Rio; Ana Belen Rivas; Emilio Vargas Castrillón.

New non competitive funding

ECL.23/775. ESTUDIO ALEATORIZADO, CRUZADO, DOS PERIODOS, DOS TRATAMIENTOS, DE BIODISPONIBILIDAD COMPARADA DE IBUPROFENO (ARGININA) GRÁNULOS PARA SOLUCIÓN ORAL, DESARROLLADO POR FARMALIDER, S.A., Y ESPIDIFEN® GRÁNULOS PARA SOLUCIÓN ORAL, ADMINISTRADOS EN DOSIS ÚNICA DE 600 MG A VOLUNTARIOS SANOS EN CONDICIONES DE AYUNO. PI: ANTONIO PORTOLÉS PÉREZ.

ECL.23/821. ENSAYO CLÍNICO DE FASE 1, DE DOSIS ÚNICA, ABIERTO, EN GRUPOS PARALELOS PARA INVESTIGAR LA FARMACOCINÉTICA Y LA SEGURIDAD DE RUPATADINA (10 MG) Y SUS METABOLITOS ACTIVOS EN SUJETOS CON INSUFICIENCIA HEPÁTICA EN COMPARACIÓN CON SUJETOS CON FUNCIÓN HEPÁTICA NORMAL. PI: ANTONIO PORTOLÉS PÉREZ.

ECL.24/438. ESTUDIO ALEATORIZADO, CRUZADO, DE DOS PERIODOS, DE BIODISPONIBILIDAD COMPARADA ENTRE DOS FORMULACIONES DE IBUPROFENO (ARGINATO), ADMINISTRADAS EN FORMA DE SOLUCIÓN POR VÍA ORAL EN DOSIS ÚNICA DE 400 MG A VOLUNTARIOS SANOS EN AYUNAS. PI: ANTONIO PORTOLÉS PÉREZ."

ECL.24/471. ESTUDIO FASE 1B, ABIERTO, DE ESCALADO DE DOSIS PARA EVALUAR LA SEGURIDAD, TOLERABILIDAD, FARMACOCINÉTICA Y EFECTO FARMACOLÓGICO DE UNA ÚNICA INFUSIÓN INTRAVENOSA DE BELANTAMAB EN PACIENTES CON LUPUS ERITEMATOSO SISTÉMICO DE MODERADO A GRAVE. PI: ANTONIO PORTOLÉS PÉREZ."

Cinnamon VH4004280. A Randomized, Double-Blind (Sponsor Unblinded), Placebo-Controlled, Study to Investigate the Antiviral Effect, Safety, Tolerability and Pharmacokinetics of VH4524184 in HIV-1 Infected Treatment Naïve Adults. PI: COIP Antonio Portoles.

Medicina de precisión: Farmacogenética en la práctica clínica de los hospitales del SERMAS. Coordinado por Hospital Clínico San Carlos. IP coordinador: Emilio Vargas Castrillón. Medicina de precisión: Farmacogenética en la práctica clínica de los hospitales del SERMAS. Coordinado por Hospital Clínico San Carlos. PI: Emilio Vargas Castrillón.

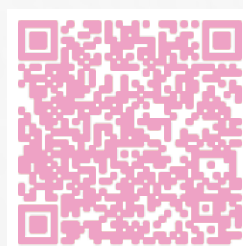
22/486. Estudio de 52 semanas, aleatorizado, con enmascaramiento doble, con doble simulación, de grupos paralelos, multicéntrico y de no inferioridad para evaluar la tasa de agravamiento, las medidas adicionales para el control del asma y la seguridad en participantes adultos y adolescentes con asma grave con un fenotipo eosinofílico tratados con GSK3511294 en comparación con mepolizumab o benralizumab. PI: Celia Pinedo Sierra, Antonio Portoles Perez.

Doctoral Theses

Candidate: Ana Ascaso del Río. Thesis title: Inmunogenicidad y reactividad tras la tercera y cuarta dosis de refuerzo de una vacuna de ARNm contra la COVID-19: estudio RescueVacs. Director(s): Antonio Portoles Perez. University: Universidad Complutense de Madrid.

Candidate: Natalia Rodríguez Galán. Thesis title: Estudio de efectividad de un programa de identificación de sospechas de reacciones adversas a medicamentos para potenciar su notificación entre profesionales sanitarios y ciudadanos. Director(s): Emilio Vargas Castrillón. University: Universidad Complutense de Madrid."

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OTHER LARGE SYSTEMS AREA

OTHER LARGE SYSTEMS AREA (OGS)



OTHER LARGE SYSTEMS AREA

Groups

- OGS.6 Diabetes and obesity
- OGS.9 Endocrinology of Metabolic Diseases
- OGS.15 Aging
- OGS.18 Health Care Research
- OGS.19 Epidemiology and Health Services and Socioeconomic Health Determinants
- 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.28 Clinical Research Associates
- OGS.35 Research in the critical patient

Annual Goals

Leading researcher	
Strengthen cooperation in related sectors	Completed ☑
Increase communication between the groups in the area	Completed ☑
To promote transversal training in research	Completed ☑

173

Selected 5 publications

Diez-Alonso, Laura, Falgas, Aida, Arroyo-Rodenas, Javier, Romencin, Paola A., Martinez, Alba, Gomez-Rosel, Marina, Blanco, Belen, Jimenez-Reinoso, Anais, Mayado, Andrea, Perez-Pons, Alba, Aguilar-Sopena, Oscar, Ramirez-Fernandez, Angel, Segura-Tudela, Alejandro, Perez-Amill, Lorena, Tapia-Galisteo, Antonio, Dominguez-Alonso, Carmen, Rubio-Perez, Laura, Jara, Maria, Sole, Francesc, Hangiu, Oana, Almagro, Laura, Albitre, Angela, Penela, Petronila, Sanz, Laura, ANGUITA MANDLY, EDUARDO, Valeri, Antonio, Garcia-Ortiz, Almudena, Rio, Paula, Juan, Manel, Martinez-Lopez, Joaquin, Roda-Navarro, Pedro, Martin-Antonio, Beatriz, Orfao, Alberto, Menendez, Pablo, Bueno, Clara, alvarez-Vallina, Luis. Engineered T cells secreting anti-BCMA T cell engagers control multiple myeloma and promote immune memory in vivo. SCIENCE TRANSLATIONAL MEDICINE. 2024. 16(734). DOI: 10.1126/scitransmed.adg7962. IF: 15,8. (D1).

Boeddinghaus, Jasper, Doudesis, Dimitrios, Lopez-Ayala, Pedro, Lee, Kuan Ken, Koechlin, Luca, Wildi, Karin, Nestelberger, Thomas, Borer, Raphael, Miro, Oscar, MARTÍN SÁNCHEZ, FRANCISCO JAVIER, Strebel, Ivo, Gimenez, Maria Rubini, Keller, Dagmar I., Christ, Michael, Bularga, Anda, Li, Ziwen, Ferry, Amy V., Tuck, Chris, Anand, Atul, Gray, Alasdair, Mills, Nicholas L., Mueller, Christian. Machine Learning for Myocardial Infarction Compared With Guideline-Recommended Diagnostic Pathways. Circulation. 2024. 149(14):1090-1101. DOI: 10.1161/CIRCULATIONAHA.123.066917. IF: 35,5. (D1).

Gonzalez-de-la-Flor, Angel, VALERA CALERO, JUAN ANTONIO, GARCÍA FERNÁNDEZ, PABLO, LÓPEZ DE URALDE VILLANUEVA, IBAI, Fernandez-de-las-Penas, Cesar, PLAZA MANZANO, GUSTAVO. Clinical Presentation Differences Among Four Subtypes of Femoroacetabular Impingement: A Case-Control Study. PHYSICAL THERAPY. 2024. 104(4). DOI: 10.1093/ptj/pzad179. IF: 3,5. (D1).

de la O, Victor, Fernandez-Cruz, Edwin, MATÍA MARTÍN, MARÍA PILAR, LAR-RAD SÁINZ, ANGÉLICA, Espadas Gil, Jose Luis, BARABASH BUSTELO, ANA MARÍA, Fernandez-Díaz, Cristina M., CALLE PASCUAL, ALFONSO LUIS, RUBIO HERRERA, MIGUEL ÁNGEL, Martinez, J. Alfredo. Translational Algorithms for Technological Dietary Quality Assessment Integrating Nutrimental Data with Machine Learning Methods. NUTRIENTS. 2024. 16(22). DOI: 10.3390/nu16223817. IF: 4,8. (Q1).

Montero-Calle, Ana, Garranzo-Asensio, Maria, POVES FRANCES, CARMEN, Sanz, Rodrigo, DZIAKOVA, JANA, Pelaez-Garcia, Alberto, de los Rios, Vivian, Martinez-Useros, Javier, FERNANDEZ ACEÑERO, MARÍA JESUS, Barderas, Rodrigo. In-Depth Proteomic Analysis of Paraffin-Embedded Tissue Samples from Colorectal Cancer Patients Revealed TXNDC17 and SLC8A1 as Key Proteins Associated with the Disease. JOURNAL OF PROTEOME RESEARCH. 2024. 23(11):4802-4820. DOI: 10.1021/acs.jproteome.3c00749. IF: 3,8. (Q1).

OGS.6

Diabetes and obesity

Leading researcher

Carlos Guillen Viejo

Members

Ana García Aguilar

Gema García Gómez

Ángela Cristina Lockwood López

Manuel Román Benito De Las Heras

Carlos González Blanco

Olga María Palomino Ruiz-Poveda

Elena González Trujillos

Silvia Fernández López

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Lines of Research

Molecular mechanisms in the progression of type II diabetes

- To study the role of the TSC2/mTORC1 complex, autophagy and reticulum stress in the control of pancreatic beta-cell expansion and failure using in vitro and in vivo models.
- Determine the role of human amylin in the progression to type 2 diabetes using in vitro and in vivo models, as well as the connection between type 2 diabetes and neurodegeneration.
- To analyse the elimination of protein aggregates and/or altered organelles by using plant extracts through the potentiation of autophagy.
- To study the role of different modulators of signalling pathways involved in ageing (SIRT1, AMPK, mTOR) and progression to diabetes.

Scientific production

4

Nº of papers
(WoS)

100% (4)

% Open
Access (Nº)

4

Nº of papers
JCR indexed

100% (4)

% Citable
Items (Nº)

100% (4)

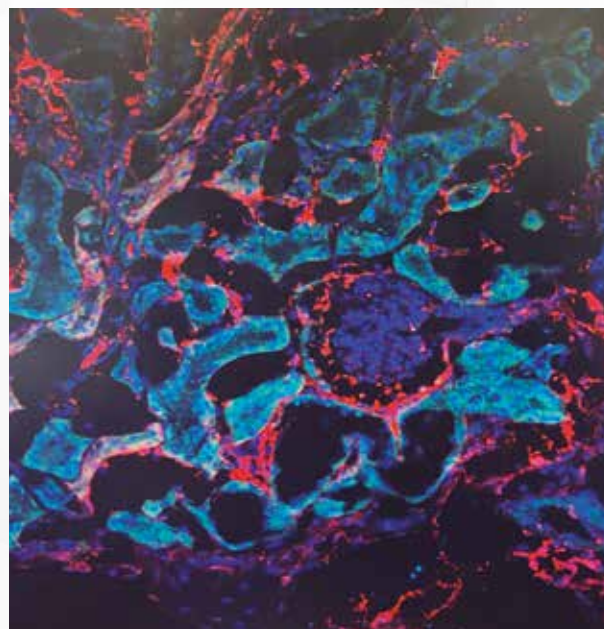
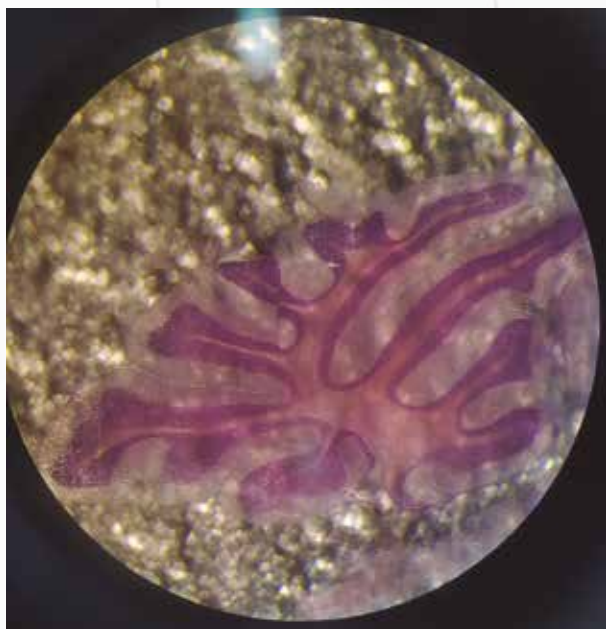
Q1 (citable items)

15.30

Cumulative IF

3.82

Average IF



Selected Publications

GONZÁLEZ BLANCO, CARLOS, Iglesias-Fortes, Sarai, LOCKWOOD LOPEZ, ÁNGELA CRISTINA, Figaredo, Cesar, Vitulli, Daniela, GUILLÉN VIEJO, CARLOS. The Role of Extracellular Vesicles in Metabolic Diseases. *Biomedicines*. 2024. 12(5). DOI: 10.3390/biomedicines12050992. IF: 3,9. (Q1).

Marques, Patricia, Burillo, Jesus, Gonzalez-Blanco, Carlos, Jimenez, Beatriz, Garcia, Gema, Garcia-Aguilar, Ana, Iglesias-Fortes, Sarai, Lockwood, Angela, GUILLÉN VIEJO, CARLOS. Regulation of TSC2 lysosome translocation and mitochondrial turnover by TSC2 acetylation status. *SCIENTIFIC REPORTS*. 2024. 14(1). DOI: 10.1038/s41598-024-63525-7. IF: 3,8. (Q1).

Iglesias-Fortes, S., GONZÁLEZ BLANCO, CARLOS, Garcia-Carrasco, A., Izquierdo-Lahuerta, A., Garcia, G., GARCÍA AGUILAR, ANA, LOCKWOOD LOPEZ, ÁNGELA CRISTINA, PALOMINO RUIZ-POVEDA, OLGA MARÍA, Medina-Gomez, G., BENITO DE LAS HERAS, MANUEL ROMAN, GUILLÉN VIEJO, CARLOS. The overexpression of human amylin in pancreatic β cells facilitate the appearance of amylin aggregates in the kidney contributing to diabetic nephropathy. *SCIENTIFIC REPORTS*. 2024. 14(1). DOI: 10.1038/s41598-024-77063-9. IF: 3,8. (Q1).

Doctoral Theses

Candidate: Carlos González-Blanco. Thesis title: Mecanismos moleculares implicados en el procesamiento de la amilina humana y su relación con las complicaciones de la diabetes Mellitus, tipo II. Director(s): Carlos Guillén Viejo. University: Universidad Complutense de Madrid.

Scan me!



OGS.9

Endocrinology of Metabolic Diseases

Leading researcher

Alfonso Luis Calle Pascual

Members

Alejandra Durán Rodríguez-Hervada	María Arnoriaga Rodríguez
Ana Isabel Esquifino Parras	María Concepción Sanabria Pérez
Ana María Barabash Bustelo	María Del Carmen Montañez Zorilla
Ana María Ramos Levi	María Del Pilar Fernandez Mateos
Angélica Larrad Sáinz	María Gemma Hernández Nuñez
Elena Bordiú Obanza	María Juliana Perez De Miguelsanz
Isabelle Runkle De La Vega	María Ortiz Ramos
Johanna Josefina Valerio Deogracia	María Paz De Miguel Novoa
Jorge Gabriel Ruiz Sanchez	María Pilar Cano Barquilla
José Ángel Díaz Pérez	María Pilar Matía Martín
Jose Luis Espadas Gil	Mario Pazos Guerra
José Ramón Calle Fernández	Miguel Ángel Rubio Herrera
Laura Del Valle Díez	Natalia Pérez Ferre
Laura Romero Pérez	Nuria García De La Torre Lobo
Leire Virto	Rocío Martín O'connor
Lucio Cabrerizo García	Vanessa Jiménez Ortega
Mª Soledad Fernández Alfonso	Verónica Melero Álvarez
Macarena Torrego Ellacuria	

Scientific production

36

Nº of papers
(WoS)

78% (28)

% Open
Access (Nº)

35

Nº of papers
JCR indexed

91% (32)

% Citable
Items (Nº)

63% (20)

Q1 (citable items)

9% (3)

D1 (citable items)

134.30

Cumulative IF

4.20

Average IF

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Lines of Research

- Epidemiology of diabetes mellitus and its complications.
- Efficacy of the Mediterranean diet in the prevention of gestational diabetes and associated metabolic diseases.
- Long-term evolution of patients with gestational diabetes, considering the clinical repercussions in their offspring.
- Evolution of the metabolic syndrome after an intervention based on a Mediterranean diet.
- Biomarkers associated with food intake.

- Modifications of gastrointestinal hormone- and neuropeptide-mediated signals in appetite control mechanisms after bariatric surgery.
- Factors influencing body weight regulation in obesity: analysis of gastrointestinal hormones and coding genes.
- Implication of bariatric surgery in the treatment of morbid obesity and in the remission of diabetes mellitus.
- Evolution of body composition and prevalence of sarcopenic obesity in patients after bariatric surgery.
- Inflammation and oncogenesis in metabolic diseases.
- Molecular biology related to obesity, diabetes, vascular risk and cancer
- Pharmacogenetics of somatostatin analogues in patients with gastroenteropancreatic neuroendocrine tumours: study of polymorphisms, somatic mutations and proteins involved in tumour response.
- Therapeutic optimisation protocols in clinical nutrition in inpatients and outpatients.
- Prevalence of disease-related malnutrition in oncological patients.
- Clinical nutrition interventions and their impact on clinical evolution, physical function and body composition.
- Metabolic changes that occur after hormone treatment in transgender and gender-diverse populations.
- Causes and consequences of hyponatremia and body water alterations.
- Thyroid nodule: benign and oncological pathology
- Hyperaldosteronism: characterisation and treatment
- Molecular Chronobiological Mechanisms Research Line
- Chemical chronodisruptors.
- Molecular and chronobiotic mechanisms of obesity and its comorbidities.
- Nutrition and nutritional alterations.
- Chronobiotic protectors.

Selected Publications

ARNORIAGA RODRÍGUEZ, MARÍA, SERRANO GARCÍA, IRENE, PAZ CABEZAS, MATEO, BARABASH BUSTELO, ANA MARÍA, VALERIO DEOGRACIA, JOHANNA JOSEFINA, DEL VALLE DÍEZ, LAURA, O'Connors, Rocío, MELERO ÁLVAREZ, VERÓNICA, DE MIGUEL NOVOA, MARÍA PAZ, Díaz, Angel, FAMILIAR CASADO, CRISTINA, MORAGA GUERRERO, INMACULADA, Pazos-Guerra, Mario, MARTINEZ-NOVILLO GONZALEZ, MERCEDES, RUBIO HERRERA, MIGUEL ÁNGEL, Marcuello, Clara, RAMOS LEVI, ANA MARIA, MATÍA MARTÍN, MARÍA PILAR, CALLE PASCUAL, ALFONSO LUIS. A Simplified Screening Model to Predict the Risk of Gestational Diabetes Mellitus in Caucasian and Latin American Pregnant Women. GENES. 2024. 15(4). DOI: 10.3390/genes15040482. IF: 2,8. (Q2).

MARTÍN O'CONNOR, ROCÍO, RAMOS LEVI, ANA MARIA, MELERO ÁLVAREZ, VERÓNICA, ARNORIAGA RODRÍGUEZ, MARÍA, BARABASH BUSTELO, ANA MARÍA, VALERIO DEOGRACIA, JOHANNA JOSEFINA, DEL VALLE DÍEZ, LAURA, DE MIGUEL NOVOA, MARÍA PAZ, DÍAZ GÓMEZ, ÁNGEL GABRIEL, FAMILIAR CASADO, CRISTINA, MORAGA GUERRERO, INMACULADA, DURÁN RODRÍGUEZ-HERVADA, ALEJANDRA, CUESTA HERNANDEZ, MARTIN, TORREJÓN MARTÍNEZ, MARÍA JOSÉ, MARTINEZ-NOVILLO GONZALEZ, MERCEDES, MARCUELLO FONCILLAS, CLARA, PAZOS GUERRA, MARIO, RUBIO HERRERA, MIGUEL ÁNGEL, MATÍA MARTÍN, MARÍA PILAR, CALLE PASCUAL, ALFONSO LUIS. Early Mediterranean-Based Nutritional Intervention Reduces the Rate of Gestational Diabetes in Overweight and Obese Pregnant Women: A Post-Hoc Analysis of the San Carlos Gestational Prevention Study. NUTRIENTS. 2024. 16(14). DOI: 10.3390/nu16142206. IF: 4,8. (Q1).

RAMOS LEVI, ANA MARIA, MARTÍN O'CONNOR, ROCÍO, BARABASH BUSTELO, ANA MARÍA, DE MIGUEL NOVOA, MARÍA PAZ, DÍAZ PÉREZ, ALBERTO, MARCUELLO FONCILLAS, CLARA, FAMILIAR CASADO, CRISTINA, MORAGA GUERRERO, INMACULADA, ARNORIAGA RODRÍGUEZ, MARÍA, VALERIO DEOGRACIA, JOHANNA JOSEFINA, DEL VALLE DÍEZ, LAURA, MELERO ÁLVAREZ, VERÓNICA, Zulueta, Mirella, Mendizabal, Leire, TORREJÓN MARTÍNEZ, MARÍA JOSÉ, RUBIO HERRERA, MIGUEL ÁNGEL, MATÍA MARTÍN, MARÍA PILAR, CALLE PASCUAL, ALFONSO LUIS. Maternal genomic profile, gestational diabetes control, and Mediterranean diet to prevent low birth weight. iScience. 2024. 27(12). DOI: 10.1016/j.isci.2024.111376. IF: 4,6. (Q1).

New Competitive Funding

AC23_2/00037. Vascular age as a key for a Team-based approach to manage blood pressure and cardiovascular risk between community pharmacists and Primary Health Care Centers. PI: M^a SOLEDAD FERNÁNDEZ ALFONSO.

New Non Competitive Funding

ECL.24/550. ESTUDIO OBSERVACIONAL MULTICÉNTRICO NACIONAL RETROSPECTIVO PARA DESCRIBIR LA TOLERABILIDAD Y MANEJO DE LAS COMPLICACIONES EN PACIENTES QUE RECIBEN NUTRICIÓN ENTERAL (NE) POR Sonda DE LA GAMA NUTRISON EN LA PRÁCTICA CLÍNICA HABITUAL EN ESPAÑA. PI: MARÍA ARNORIAGA RODRÍGUEZ.

ECL.23/619. ANÁLISIS DE LOS FACTORES ETIOLÓGICOS DE DESNUTRICIÓN: INFLAMACIÓN E INGESTA. PI: MARÍA PILAR MATÍA MARTÍN.

ECL.24/307. AVAILABILITY OF OBESITY MANAGEMENT RESOURCES IN SPAIN: OBERVIEW360 STUDY. PI: MIGUEL ÁNGEL RUBIO HERRERA.

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OGS.14

Aging

Leading researchers

Federico Miguel Cuesta Triana

Pedro Gil Gregorio

Members

Ana Méndez Juárez

Jesús Mora Fernández

Andrés Burillo Pérez

Lara Guardado Fuentes

Blanca Garmendia Prieto

María Aurora Viloria Jiménez

Carmen Terrón Morgado

Mario Salas Carrillo

Constanza Ciriza De Los Rios

Marta Vígara García

Daniel Padrón Guillén

Montserrat Lázaro Del Nogal

Isabel Lozano Montoya

Patricia Blazquez Simón

Isabel Rodríguez Sánchez

Lines of Research

- Mild Cognitive Impairment, prognostic markers.
- Prodromal Alzheimer's disease, clinical categorisation
- Sarcopenia and dependence
- Orthogeriatrics and functional impairment
- Heart failure
- Urinary incontinence
- Abuse

Scientific production

18

Nº of papers
(WoS)

61%(11)

% Open
Access (Nº)

16

Nº of papers
JCR indexed

75% (12)

% Citable
Items (Nº)

42%(5)

Q1 (citable items)

8% (1)

D1 (citable items)

48.87

Cumulative IF

4.07

Average IF

Selected Publications

FERNÁNDEZ LUCAS, ALBERTO, CUESTA PRIETO, PABLO, MARCOS DOLADO, ALBERTO, Montenegro-Pena, Mercedes, YUS FUERTES, MIGUEL, Rodríguez-Rojo, Inmaculada Concepcion, BRUÑA FERNÁNDEZ, RICARDO, MAESTU UNTURBE, FERNANDO, LOPEZ GARCIA, MARIA EUGENIA. Sex differences in the progression to Alzheimer's disease: a combination of functional and structural markers. *Geroscience*. 2024. 46(2):2619-2640. DOI: 10.1007/s11357-023-01020-z. IF: 5,3. (Q1).

El Assar, Mariam, RODRÍGUEZ SÁNCHEZ, ISABEL, Alvarez-Bustos, Alejandro, Rodríguez-Manas, Leocadio. Biomarkers of frailty. *MOLECULAR ASPECTS OF MEDICINE*. 2024. 97. DOI: 10.1016/j.mam.2024.101271. IF: 8,7. (D1).

Pigłowska, Malgorzata, Corsonello, Andrea, Kostka, Tomasz, Roller-Wirnsberger, Regina, Arnlov, Johan, Wirnsberger, Gerhard, Carlsson, Axel C., Tap, Lisanne, Mattace-Raso, Francesco, Formiga, Francesc, Moreno-Gonzalez, Rafael, Kob, Robert, Sieber, Cornel, GIL GREGORIO, PEDRO, Martinez, Sara Lainez, Ben-Romano, Ronit, Melzer, Itshak, Fabbietti, Paolo, Lattanzio, Fabrizia, Guligowska, Agnieszka, SCOPE Investigators. Limited predictive value of bioelectrical phase angle for the development of sarcopenia in older Europeans. *JOURNAL OF NUTRITION HEALTH & AGING*. 2024. 28(12). DOI: 10.1016/j.jnha.2024.100386. IF: 4,3. (Q1).

New non competitive funding

ECL.23/521. ESTUDIO PARA EL DESARROLLO DE MODELOS DEEP-LEARNING/INTELIGENCIA ARTIFICIAL PARA EL ESTUDIO DE LA MOTILIDAD DIGESTIVA: MANOMETRÍA ESOFÁGICA, MANOMETRÍA ANORRECTAL, IMPEDANCIA Y PLANIMETRÍA, PARA AUMENTAR LA PRECISIÓN DIAGNÓSTICA. PI: CONSTANZA CIRIZA DE LOS RIOS."

ECL.23/077. UN MODELO MULTIFACTORIAL DE ENVEJECIMIENTO COGNITIVO EXITOSO: BÚSQUEDA DE LOS DETERMINANTES DE LA SALUD COGNITIVA EN LOS MÁS MAYORES (MUSCA-OO). PI: MARIO SALAS CARRILLO.

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OGS.18

Health Care Research

Leading researchers

Ismael Ortuño Soriano Daniel Muñoz Jiménez

Members

Adoración González Román	Maria Alonso Casasus
Alba María García Cuesta	Maria Antonia Cubero Perez
Angélica Sánchez García	María Del Rosario Zamora Arjona
Araceli Faraldo Cabana	Maria Dolores Gomez Barriga
Beatriz Rivas Eguia	Maria Josefa Rodriguez Machuca
Beatriz Solas Gómez	María Montealegre Sanz
Carlos Lorenzo García	Marina Isabel Sanjurjo Morote
Cristina Nieto Martínez	Mónica Esther Jesús Tesouro
Elda Baigorri Ruiz	Nuria Navarro Siguero
Encarnación Fernández Del Palacio	Paloma Arenas López
Eva Villaseñor Muñoz	Raquel Valera Monsalve
Ismael Ortuño Soriano	Rosa María Moreno Rodríguez
Juan Ignacio Torres González	Rubén Sánchez Gómez
Lucía Orta Galindo	Sandra López Martín
Mª Juliana Gonzalez Martin	Sara Gil Useros
Mª Paloma Posada Moreno	Verónica Gimeno Hernán



Lines of research

- Patient and professional safety: optimising and/or improving the use and design of medical devices aimed at reducing iatrogenic morbidity.
- Therapeutic education: investigating best practices to ensure adherence to treatment and health outcomes.

Scientific production

12

Nº of papers (WoS)

75%⁽⁹⁾

% Open Access (Nº)

9

Nº of papers JCR indexed

89%⁽⁸⁾

% Citable Items (Nº)

38%⁽³⁾

Q1 (citable items)

19.70

Cumulative IF

2.46

Average IF

Selected Publications

Gomez-Carrion, Alvaro, Medina-Reguera, Jose Manuel, Ayerra-Andueza, Ignacio, Cortes-Moran, Juan Francisco, Martinez-Nova, Alfonso, SÁNCHEZ GÓMEZ, RUBÉN. The effect of varus rearfoot wedges on hallux dorsiflexion resistance. BMC MUSCULOSKELETAL DISORDERS. 2024. 25(1). DOI: 10.1186/s12891-024-07182-x. IF: 2,2. (Q2).

Mateos-Arroyo, Julio Alberto, Zaragoza-Garcia, Ignacio, SÁNCHEZ GÓMEZ, RUBÉN, POSADA MORENO, M^a PALOMA, Garcia-Almazan, Sara, ORTUÑO SORIANO, ISMAEL. Gender Differences among Nurses in Managing Arterial Puncture-Related Pain: A Multicenter Cross-Sectional Study. Healthcare. 2024. 12(5). DOI: 10.3390/healthcare12050531. IF: 2,4. (Q2).

Cabana, Araceli Faraldo, Hernan, Veronica Gimeno, MORENO RODRÍGUEZ, ROSA MARÍA, del Pino Jurado, Maria Rosario, Arredondo, Sara Asensio, Jimenez, Daniel Munoz, ORTUÑO SORIANO, ISMAEL. Description of the falls produced in nephrology during 10 years. REVISTA DE NEFROLOGIA DIALISIS Y TRASPLANTE. 2024. 44(1):24-30. IF: 0,2. (Q4).

Awards

Researcher aware: DANIEL MUÑOZ JIMÉNEZ. Award: MEJOR COMUNICACIÓN ORAL - XVII CONGRESO ANECORM. Awarded work: MAS ALLÁ DEL MATERIAL. LA ENFERMERA GESTORA DE RECURSOS MATERIALES COMO FACILITADORA DE LA EXCELENCIA EN CUIDADOS.

Clinical Practical Guidelines

VELASCO SANZ T, Jiménez Herrera MJ, Valverde Jerez MJ, Meneses Jiménez MT, Escribano Martínez S, Gómez Martínez CS, Martínez García E, Trespaderne Barcierto I, Alonso Jiménez ME, Resano Gurpegui A. . CONSIDERACIONES SOBRE EL EJERCICIO DE LA OBJECCIÓN DE CONCIENCIA DE LAS ENFERMERAS EN LA INTERRUPCIÓN VOLUNTARIA DEL EMBARAZO.. Consejo General de Enfermería (CGE). 2024.

VELASCO SANZ T, Jiménez Herrera MJ, Valverde Jerez MJ, Meneses Jiménez MT, Escribano Martínez S, Gómez Martínez CS, Martínez García E, Trespaderne Barcierto I, Alonso Jiménez ME, Resano Gurpegui A. RECOMENDACIONES PARA REALIZAR EL PROCEDIMIENTO POR INFRACCIÓN DE NORMAS DEONTOLÓGICAS.. Consejo General de Enfermería (CGE). 2024.

Cabrejas Casero AM, Guerra Llamas MI, VELASCO SANZ T, Rodríguez González Y, Barbado Albadalejo JA.7. LEY ORGÁNICA 3/2021 DE REGULACIÓN DE LA EUTANASIA: CÓMO EJERCER LA OBJECCIÓN DE CONCIENCIA. Colegio Oficial de Enfermería de Madrid (CODEM). 2024.

Cabrejas Casero AM, Guerra Llamas MI, VELASCO SANZ T, Rodríguez González Y, Barbado Albadalejo JA. . CONSIDERACIONES DE LA COMISIÓN DEONTOLÓGICA DE ENFERMERÍA DEL CODEM ANTE LAS SUJECIONES FÍSICAS. . Colegio Oficial de Enfermería de Madrid (CODEM). 2024.

New Competitive Funding

N.501. LA SIMULACIÓN CLÍNICA COMO HERRAMIENTA DOCENTE PARA ABORDAR LA DEONTOLOGÍA EN ESTUDIANTES DE CIENCIAS DE LA SALUD. PI: TAMARA RAQUEL VELASCO SANZ.

Theses doctorate

Candidate: NELVA GARCÍA GARCÍA. Thesis title: SEGURIDAD DEL PACIENTE Y GESTIÓN DEL RIESGO: ANÁLISIS MODAL DE FALLOS Y EFECTOS (AMFE) EN LA ATENCIÓN AL PACIENTE EN HELICÓPTERO SANITARIO. Director(s): VELASCO SANZ, TAMARA RAQUEL. University: Universidad Complutense de Madrid.

Candidate: NATALIA RODRÍGUEZ GALÁN. Thesis title: EESTUDIO DE EFECTIVIDAD DE UN PROGRAMA DE IDENTIFICACIÓN DE SOSPECHAS DE REACCIONES ADVERSAS A MEDICAMENTOS PARA POTENCIAR SU NOTIFICACION ENTRE PROFESIONALES SANITARIOS Y CIUDADANOS. Director(s): EMILIO VARGAS CASTRILLÓN. University: Universidad Complutense de Madrid.

Candidate: VERÓNICA GIMENO HERNÁN. Thesis title: PROPUESTA Y VALIDACIÓN DE UN MODELO PREDICTIVO DE DISFUNCIÓN EN CATÉTERES VENOSOS CENTRALES TUNELIZADOS PARA HEMODIÁLISIS. Director(s): JUAN VICENTE BENEIT MONTESINOS. University: Universidad Complutense de Madrid.

Mobility of researchers

Researcher: RUBÉN SÁNCHEZ-GÓMEZ. Destination country: FINLANDIA. Center: UNIVERSIDAD METROPOLIA Date of arrival: Date of departure:

Researcher: RUBÉN SÁNCHEZ-GÓMEZ. Destination country: SINGAPUR. Center: UNIVERSIDAD DE NANG-YANG Date of arrival: Date of departure:

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OGS.19

Epidemiology and Health Services

Leading researchers

Carmen de Burgos Lunar José Pulido Manzanero

Members

Agustín Turrero Nogués	Juana María Santos Sancho
Ana Capapé Aguilar	Julio César Legido Arce
Ana María Humanes Navarro	Karina Davila Merizalde
Aranzazu Lana Gómez	Lucia Cea Soriano
Beatriz Pelaez Ros	Luis Sordo Del Castillo
Carmen Yolanda Fuentes Rodríguez	Mª Mercedes Lucas Barajas
Carolina Del Valle Giráldez García	Mª Paz Monleón Herrero
Cruz Pascual Nobajas	María Carmen Mestre González
David Martínez Hernández	María De Los Ángeles Díaz Sotero
Enrique Regidor Poyatos	María Teresa Alonso Cobo
Francisco Miguel Tobal	Mercedes Galindo Canales
Ignacio Bardón Fernández-Pacheco	Pilar Martín Escudero
Irene Serrano García	Rafael Sánchez Del Hoyo
Isabel Rita Gómez Parra	Silvia O'Connor Pérez



Lines of research

- Technology assessment
- Population epidemiology studies
- Mathematical modelling for epidemiological patterns
- Non-commercial experimental studies
- New vaccine against herpes zoster, in adults over 50 years of age, to assess the prophylactic efficacy, safety and immunogenicity of the vaccine (Pharmaceutical Industry).
- Prevention of psychosocial risk, with the application of mediation methodology to Public Health, assessing the impact on the quality of health care and coexistence in the hospital context (in collaboration with the Complutense University).
- Exercise Physiology

Scientific production

24

Nº of papers (WoS)

71% (17)

% Open Access (Nº)

23

Nº of papers JCR indexed

74% (17)

% Citable Items (Nº)

53% (9)

Q1 (citable items)

12% (2)

D1 (citable items)

56.56

Cumulative IF

3.33

Average IF

- Doping
- Sports Medicine
- Diagnosis in Sport
- Exercise Prescription

Epidemiology and Socioeconomic Determinants of Health

- Identification of the risk factors that explain the relationship between the socioeconomic position of subjects and the appearance of health problems.
- Evaluation of health interventions aimed at reducing health problems in different socio-economic groups.
- Epidemiology and prevention of substance use
- Drug-facilitated sexual violence
- Pharmacoepidemiology: Drug utilisation studies and observational epidemiological studies to assess the causal relationship between drugs and events
- Use of electronic health records that collect data from millions of patients for study.

Selected Publications

Varaona, Andrea, Alvarez-Mon, Miguel Angel, SERRANO GARCÍA, IRENE, DÍAZ MARSÁ, MARINA FRANCISCA, Looi, Jeffrey C. L., MOLINA RUÍZ, ROSA MARÍA. Exploring the Relationship Between Instagram Use and Self-Criticism, Self-Compassion, and Body Dissatisfaction in the Spanish Population: Observational Study. JOURNAL OF MEDICAL INTERNET RESEARCH. 2024. 26. DOI: 10.2196/51957. IF: 5,8. (D1).

Donat, Marta, Politi, Julieta, Guerras, Juan Miguel, SORDO DEL CASTILLO, LUIS, CEA SORIANO, LUCIA, Pulido, Jose, Ronda, Elena, REGIDOR POYATOS, ENRIQUE, Barrio, Gregorio, Belza, Maria Jose. Changes in Alcohol Intake by Educational Level Among Older Men and Women in Spain During the 21st Century. Innovation in Aging. 2024. 8(12). DOI: 10.1093/geroni/igae097. IF: 4,9. (D1).

Iriarte-Campo, V., DE BURGOS LUNAR, CARMEN, Mostaza, J., Lahoz, C., Cardenas-Valladolid, J., Gomez-Campelo, P., Taulero-Escalera, B., San-Andres-Rebollo, F. J., Rodriguez-Artalejo, F., Salinero-Fort, M. A., SPREDIA-2 Grp. Incidence of T2DM and the role of baseline glycaemic status as a determinant in a metropolitan population in northern Madrid (Spain). DIABETES RESEARCH AND CLINICAL PRACTICE. 2024. 209. DOI: 10.1016/j.diabres.2024.111119. IF: 6,1. (Q1).

New Non Competitive Funding

CBL.P04.UAMI.24. Ayuda para favorecer los análisis transcriptómicos; metagenómicos, de automatización de procesos y metodologías de Data Science que impulsen la actividad en estos campos innovadores en el IdISSC (bioinformática IdISSC). PI: CARMEN DE BURGOS LUNAR.

Theses doctorate

Candidate: Aíram de Burgos Gonzalez. Thesis title: EVALUACIÓN DE LA EFECTIVIDAD Y SEGURIDAD DE LOS ANTICOAGULANTES ORALES DIRECTOS EN PACIENTES CON FIBRILACIÓN AURICULAR NO VALVULAR. Director(s): Lucía Cea Soriano; Consuelo Huerta Álvarez. University: Universidad Complutense de Madrid.

Candidate: Mercedes Mota Pérez. Thesis title: Evaluación del impacto de la pandemia de COVID-19 en embarazadas: Análisis de riesgo de infección y Manejo farmacológico. Director(s): Lucía Cea Soriano. University: Universidad Complutense de Madrid.

Visiting

Visiting researcher: Ana Julia del Río. Country of origin: México. Center: Instituto Tecnológico y de Estudios Superiores de Monterrey. Project: Publicación en una revista científica, en fase de análisis. Period:

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OGS.22

Contemporary Physiotherapy Research (InPhysio)

Leading researchers	
Gustavo Plaza Manzano	Patricia Martín Casas
Members	
Emma Cabezas Moreno	Juan Antonio Valera Calero
Gustavo Plaza Manzano	Marcos José Navarro Santana
Ibai López De Uralde Villanueva	María José Díaz Arribas
Isidro Fernández López	Pablo García Fernández
José Calvo Paniagua	Raul Fabero Garrido
José Javier López Marcos	Rosa María Ortiz Gutiérrez
José María Pérez Redondo	



Lines of research

- Clinical, neurophysiological, and biomechanical effects of physiotherapy interventions in patients with musculoskeletal and neuropathic conditions.
- Study of pain modulation and sensory-motor control in patients with pain and/or musculoskeletal and/or neurological pathology.
- Validation and development of instruments and scales for sensory, functional, and psychological assessment in patients with pain and/or disability.
- Effects of respiratory muscle training on quality of life and function in patients with respiratory, neurological, and/or musculoskeletal pathology.
- Effects of physiotherapy interventions on the improvement of quality of life in patients with persistent Covid.

Scientific production

41

Nº of papers (WoS)

73% (30)

% Open Access (Nº)

40

Nº of papers JCR indexed

100% (40)

% Citable Items (Nº)

73% (29)

Q1 (citable items)

18% (7)

D1 (citable items)

124.57

Cumulative IF

3.11

Average IF

Selected Publications

VALERA CALERO, JUAN ANTONIO, Lopez-Zanoni, Dario, Sanchez-Jorge, Sandra, Fernandez-de-las-Penas, Cesar, NAVARRO SANTANA, MARCOS JOSÉ, Calvo-Moreno, Sofia Olivia, PLAZA MANZANO, GUSTAVO. A novel mobile phone and tablet application for automatized calculation of pain extent. *COMPUTERS IN BIOLOGY AND MEDICINE*. 2024. 168. DOI: 10.1016/j.combiomed.2023.107699. IF: 7. (D1).

LÓPEZ DE URALDE VILLANUEVA, IBAI, Fernandez-de-las-Penas, Cesar, Cleland, Joshua A., Cook, Chad, de-la-Llave-Rincon, Ana I., VALERA CALERO, JUAN ANTONIO, PLAZA MANZANO, GUSTAVO. Minimal Clinically Important Differences in Hand Pain Intensity (Numerical Pain Rate Scale) and Related-Function (Boston Carpal Tunnel Questionnaire) in Women With Carpal Tunnel Syndrome. *ARCHIVES OF PHYSICAL MEDICINE AND REHABILITATION*. 2024. 105(1):67-74. DOI: 10.1016/j.apmr.2023.07.018. IF: 3.6. (D1).

LÓPEZ DE URALDE VILLANUEVA, IBAI, FABERO GARRIDO, RAUL, de Rivera, Elena Alonso Rodríguez, Santana, Rafael, Gotera-Rivera, Carolina, Peces-Barba, German, DEL CORRAL NUÑEZ-FLORES, TAMARA. New Protocol for Evaluating Maximum Inspiratory Pressure: Concurrent Validity and Test-Retest Reliability. *PHYSICAL THERAPY*. 2024. 104(11). DOI: 10.1093/ptj/pzae124. IF: 3.5. (D1).

Awards

Researcher aware: Raúl Fabero Garrido. Award: 2º mejor comunicación oral del "22º Curso Teórico Práctico Sorecar - Actualización de Rehabilitación Cardíaca". Awarded work: Análisis de la validez discriminante y establecimiento de puntos de corte del "Multidimensional Fatigue Inventory" en personas con enfermedades cardíacas.

Researcher aware: Raúl Fabero Garrido. Award: Mejor comunicación tipo póster del "22º Curso Teórico Práctico Sorecar - Actualización de Rehabilitación Cardíaca". Awarded work: Datos sobre eficiencia mecánica y metabolismo de musculatura periférica que aporta la ergoespirometría en insuficiencia Cardíaca" en personas con enfermedades cardíacas.

Researcher aware: Patricia Martín Casas, Rosa Mª Ortiz Gutiérrez. Award: mejor comunicación en las 34 jornadas de fisioterapia de la once. Awarded work: Control postural en niños de 3-6 años con Trastorno de Espectro Autista: estudio descriptivo.

Researcher aware: Patricia Martín Casas. Award: Segunda Mejor Comunicación. Awarded work: ¿Cómo afectan las exacerbaciones en niños de 6 a 13 años con Fibrosis Quística?

Researcher aware: Patricia Martín Casas, Rosa Mª Ortiz Gutiérrez. Award: Premio a iniciativas emprendedoras en preincubadoras 2024 de la universidad complutense de madrid. Awarded work: Proyecto VR-HEART.

Researcher aware: Juan Antonio Valera Calero. Award: I Premio de Innovación y Transformación Digital Aplicada al Cuidado de la Salud. Awarded work: Desarrollo de aplicaciones móviles para la evaluación de la extensión y distribución del dolor y soporte diagnóstico para la identificación de puntos gatillo en el síndrome del dolor miofascial.

New Non Competitive Funding

GPM.CFM.23. ESTUDIO DE LAS CARACTERÍSTICAS ANATÓMICAS MUSCULARES MEDIANTE RESONANCIA MAGNÉTICA Y ECOGRAFÍA EN DOLOR CERVICAL CRÓNICO. PI: GUSTAVO PLAZA MANZANO.

PI23/00816. Efectos del entrenamiento de la musculatura respiratoria domiciliario mediante telerrehabilitación sobre la calidad de vida, unión cardiopulmonar, y el estado físico y psicológico en cardiopatía isquémica. PI: GUSTAVO PLAZA MANZANO. IBAI LÓPEZ DE URALDE VILLANUEVA.

TCN.CFM.23. Validación experimental y pragmática de un protocolo de evaluación de las presiones inspiratoria y espiratoria máximas basado en el test de una repetición máxima en pacientes con Esclerosis Múltiple. PI: TAMARA DEL CORRAL NUÑEZ-FLORES.

PMC.CFM.24. Influencia de la adherencia terapéutica, la alianza terapeuta-paciente y el abordaje centrado en la persona en la rehabilitación

del ictus subagudo: estudio observacional prospectivo. PI: PATRICIA MARTÍN CASAS.

Theses doctorate

Candidate: Pablo Delgado de la Serna. Thesis title: Efectividad de la terapia manual aplicada a la región orofacial y cervical en pacientes con disfunción temporomandibular y tinnitus asociado. Director(s): María José Díaz Arribas. University: Universidad Complutense de Madrid.

Candidate: Daniel Albert Lucena. Thesis title: Evaluación y tratamiento de la mecanosensibilidad del nervio radial en pacientes con dolor lateral de codo. Director(s): Gustavo Plaza Manzano. University: Universidad Complutense de Madrid.

Candidate: Youssef Rahou El Bachiri. Thesis title: Efectos de la punción seca de los puntos gatillo en el manejo de los síndromes dolorosos de la rodilla: Revisión sistemática y metaanálisis. Director(s): Ricardo Ortega Santiago. University: Universidad Rey Juan Carlos.

Candidate: Sandra Aguilar Zafra. Thesis title: Implicaciones del suelo pélvico y del sistema respiratorio en la capacidad física funcional en personas con Esclerosis Múltiple. Director(s): Ibai López de Uralde Villanueva. University: Universidad Autónoma de Madrid.

Candidate: Javier López Ruiz. Thesis title: Validez y fiabilidad de la versión española de la escala de evaluación del control de tronco trunk control measurement scale en población pediátrica con parálisis cerebral. Director(s): Patricia Martín Casas. University: Universidad Complutense de Madrid.

Candidate: Paula María Blanco Orive. Thesis title: Evaluación de la calidad de vida y la tolerancia al ejercicio en niños y adolescentes con fibrosis quística. Director(s): Patricia Martín Casas. University: Universidad Complutense de Madrid.

Candidate: Guillermo Ceniza Bordallo. Thesis title: Validación de instrumentos para evaluar los dominios clave del dolor pediátrico en España. Director(s): Patricia Martín Casas. University: Universidad Complutense de Madrid.

Candidate: Sofía Olivia Calvo Moreno. Thesis title: La estabilidad postural como indicador multimodal en entornos académicos, deportivos y clínicos. Director(s): Elena Sonsoles Rodríguez López. University: Universidad Camilo José Cela.

Technology Transfer

Software MyofAPPcial: Juan Antonio Valera; Mª José Díaz; Gustavo Plaza; Umut Varol; Marcos J. Navarro; Ricardo Ortega. Licence date: 15/10/2024.

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OGS.23

The Digestive System

Leading researcher

Enrique Rey Díaz-Rubio

Members

Ángel Álvarez Sánchez

Mª Concepción Sevilla Mantilla

Carlos Taxonera Samsó

María José Devesa Medina

Cristina Alba López

María Luz Del Castillo González

Francisca Cuenca Alarcón

Natalia López Palacios

Juan Luis Mendoza Hernández

Lines of research

- Functional Digestive Disorders
- Hepatology
- Inflammatory Bowel Disease
- Physiology and pathophysiology of motor activity in the digestive system

Selected Publications

Nodal, Ignacio Blanco, Gomez, Valentin Roales, OLIVARES QUINTANAR, DAVID, Martinez, Elena Velasco, Tejedor, Sara Molina, ESTEBAN LÓPEZ-JAMAR, JOSÉ MIGUEL, REY DÍAZ-RUBIO, ENRIQUE. Coffee ground emesis and early endoscopy: Is timing actually relevant?. GASTROENTEROLOGIA Y HEPATOLOGIA. 2024. 47(5):457-462). DOI: 10.1016/j.gastrohep.2023.09.010. IF: 2,2. (Q3).

TAXONERA SAMSÓ, CARLOS, Lopez, Daniel Carpio, Manas, Ana Cabeza, del Val, Joaquin Hinojosa. Clinical settings with tofacitinib in ulcerative colitis. REVISTA ESPAÑOLA DE ENFERMEDADES DIGESTIVAS. 2024. 116(9):484-492). DOI: 10.17235/reed.2022.8660/2022. IF: 2,7. (Q2).

TAXONERA SAMSÓ, CARLOS, GARCÍA BRENES, MIGUEL ÁNGEL, OLIVARES QUINTANAR, DAVID, Lopez-Garcia, Olga N., Zapater, Raul, ALBA LÓPEZ, CRISTINA. Darvadstrocel for complex perianal fistulas in Crohn's disease: A systematic review and meta-analysis. UNITED EUROPEAN GASTROENTEROLOGY JOURNAL. 2024. 13(3):416-426). DOI: 10.1002/ueg2.12673. IF: 5,8. (Q1).

Scientific production

17

Nº of papers (WoS)

35%₍₆₎

% Open Access (Nº)

17

Nº of papers JCR indexed

53%₍₉₎

% Citable Items (Nº)

56%₍₅₎

Q1 (citable items)

11%₍₁₎

D1 (citable items)

40.80

Cumulative IF

4.53

Average IF

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OGS.24

Hematology

Leading researchers

Celina Benavente Cuesta

Fernando Ataúlfo González Fernández

Members

Alejandro Manuel Bobes Fernández

María Del Carmen Vicente Ayuso

Alexandra C. Pedraza

María García Roa

Ascensión Peña Cortijo

Marta Mateo Morales

Begoña Navas Elorza

Marta Polo Zarzuela

Cristina García Sánchez

Miguel Gómez Álvarez

Cristina Perez Lopez

Paloma Ropero Gradilla

Eduardo Anguita Mandly

Purificación Pérez Martínez

Eloy Del Potro Gómez

Rafael Benigno Martínez Martínez

Estefanía Bolaños Calderon

Rafael López Del Amo

Fiorella Medina Salazar

Roberto Trelles Martinez

Isabel Saez Serrano

Rosa María Tarradas Valero

Jorge Martínez Nieto

Sara Ferrer Benito

Laura Huerta Pantoja

Silvia Escribano Serrat

María Asunción Mora Casado

Susana Asenjo Correa

María Belén Iñigo Rodríguez



Lines of research

- Estudio molecular y celular oncohematológico y tratamiento de hemopatías malignas.
- Eritropatología.

Scientific production

29

Nº of papers
(WoS)

34%(10)

% Open
Access (Nº)

29

Nº of papers
JCR indexed

59%(17)

% Citable
Items (Nº)

88%(15)

Q1 (citable items)

29%(5)

D1 (citable items)

173.70

Cumulative IF

10.22

Average IF

Selected Publications

ESCRIBANO SERRAT, SILVIA, Rodriguez-Lobato, Luis Gerardo, Charry, Paola, Martinez-Cibrian, Nuria, Suarez-Lledo, Maria, Rivero, Andrea, Moreno-Castano, Ana Belen, Solano, Maria Teresa, Arcarons, Jordi, Nomdedeu, Meritxell, Cid, Joan, Lozano, Miquel, Pedraza, Alexandra, Rosinol, Laura, Esteve, Jordi, Urbano-Ispizua, Alvaro, Palomo, Marta, Fernandez-Aviles, Francesc, Martinez, Carmen, Diaz-Ricart, Maribel, Carreras, Enric, Rovira, Montserrat, Salas, Maria Queral. Endothelial Activation and Stress Index in adults undergoing allogeneic hematopoietic cell transplantation with post-transplant cyclophosphamide-based prophylaxis. *Cytotherapy*. 2024. 26(1):73-80. DOI: 10.1016/j.jcyt.2023.10.008. IF: 3,7. (Q1).

RAMOS ACOSTA, CARLOS, HUERTA PANTOJA, LAURA, SALAZAR HIDALGO, MILTON EDUARDO, Mayol, Elsa, JIMENEZ VEGA, SELENE, GARCÍA PEÑA, PABLO, Jordi-Cruz, Jenifeer, BAQUERO MAYO, CRISTINA, PORRAS GALLO, ALMUDENA, IÑIGO RODRIGUEZ, MARIA BELEN, BENAVENTE CUESTA, CELINA, RAPOSO LÓPEZ-PASTOR, ANDREA, GÓMEZ DELGADO, IRENE ISABEL, URCELAY GARCÍA, ELENA, CANDEL GONZÁLEZ, FRANCISCO JAVIER, ANGUITA MANDLY, EDUARDO. Tigecycline Opposes Bortezomib Effect on Myeloma Cells Decreasing Mitochondrial Reactive Oxygen Species Production. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*. 2024. 25(9). DOI: 10.3390/ijms25094887. IF: 4,9. (Q1).

Vazirani, Ravi, FELTES GUZMÁN, GISELA ILEANA, SÁNCHEZ DEL HOYO, RAFAEL, Viana-Llamas, Maria C., Raposeiras-Roubin, Sergio, Romero, Rodolfo, Alfonso-Rodriguez, Emilio, Uribarri, Aitor, Santoro, Francesco, Becerra-Munoz, Victor, Pepe, Martino, Castro-Mejia, Alex F., Signes-Costa, Jaime, GONZÁLEZ FERNÁNDEZ, FERNANDO ATAÚLFO, Marin, Francisco, Lopez-Pais, Javier, CERRATO MERA, CRISTINA, Vazquez-Cancela, Olalla, ESPEJO PAERES, CAROLINA, Masjuan, Alvaro Lopez, Velicki, Lazar, El-Battrawy, Ibrahim, Ramakrishna, Harish, FERNÁNDEZ ORTIZ, ANTONIO IGNACIO, NÚÑEZ GIL, IVÁN JAVIER. Elevated Troponins after COVID-19 Hospitalization and Long-Term COVID-19 Symptoms: Incidence, Prognosis, and Clinical Outcomes-Results from a Multi-Center International Prospective Registry (HOPE-2). *Journal of Clinical Medicine*. 2024. 13(9). DOI: 10.3390/jcm13092596. IF: 3. (Q1).

New Competitive Funding

PRG.FMM.24. AMPLIACIÓN Y VALIDACIÓN DEL DIAGNÓSTICO PRENATAL NO INVASIVO DE LA ENFERMEDAD DE CÉLULAS FALCIFORMES MEDIANTE PCR DIGITAL Y SECUENCIACIÓN DE NANOPORO. PI: PALOMA ROPERO GRADILLA.

New Non Competitive Funding

ECL.24/469. EL REGISTRO DE LA HPN DEL INTERNATIONAL PNH INTEREST GROUP THE INTERNATIONAL PNH INTEREST GROUP PNH REGISTRY. PI: MIGUEL GÓMEZ ÁLVAREZ.

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Leading researchers

Francisco Javier Martín Sánchez

Juan María González Del Castillo

Members

Alejandra Ortega Duarte

José Antonio Bustamante Mandrón

Ana María Mañas Hernández

José Luis Fernández Rueda

Antonio Trino Salto Ariza

José María Leal Pozuelo

Cesáreo Fernández Alonso

Juan Jorge González Armengol

David Chaparro Pardo

Laura Galván Herraiz

Eduardo Solís Vaquero

María De Los Ángeles Cuadrado Cenzual

Éric Jorge García Lamberechts

María Dolores Ortega De Heredia

Esther Rodríguez Adrada

María Reinales Sánchez

Francisco Javier Candel González

Miguel Ángel García Briñón

Irene García España

Pedro Villarroel González-Elipe

Jaime Antonio Abelaira Freire

Víctor Hernández Martín-Romo

Lines of research

- Epidemiology of acute processes, vulnerable population at risk of adverse events or high resource consumption and medical-legal aspects related to EM.
- Research studies to develop and validate diagnostic tests, intervention strategies and prognostic markers in time-dependent pathologies and vulnerable population.
- Research into the improvement of care and communication with patients and their carers in the emergency department and its implementation.
- Promote and evaluate the application of new technologies to clinical care practice in the field of EM.
- Development of tools to assist in the evaluation of management, safety and quality in the emergency department.
- Consensus documents on the main EM syndromes
- Bibliometric analysis of EM research and strategies for disseminating its results

Scientific production

60

Nº of papers
(WoS)

53% (32)

% Open
Access (Nº)

53

Nº of papers
JCR indexed

83% (44)

% Citable
Items (Nº)

52% (23)

Q1 (citable items)

27% (12)

D1 (citable items)

212.96

Cumulative IF

4.84

Average IF

Selected Publications

Clemente, Carlota, Fuentes Ferrer, Manuel Enrique, ORTEGA DE HEREDIA, MARÍA DOLORES, Julian-Jimenez, Agustin, MARTÍN SÁNCHEZ, FRANCISCO JAVIER, GONZÁLEZ DEL CASTILLO, JUAN MARÍA. Usefulness of combining inflammatory biomarkers and clinical scales in an emergency department to stratify risk in patients with infections. EMERGENCIAS. 2024. 36(1):9-16). DOI: 10.55633/s3me/04.2023. IF: 5,4. (D1).

Julian-Jimenez, Agustin, Eduardo Garcia, Dariprimeo, de Guadiana-Romualdo, Luis Garcia, Merinos-Sanchez, Graciela, CANDEL GONZÁLEZ, FRANCISCO JAVIER. Models to predict bacteremia in the emergency department: a systematic review. EMERGENCIAS. 2024. 36(1):48-62). DOI: 10.55633/s3me/06.2023. IF: 5,4. (D1).

FERNÁNDEZ ALONSO, CESÁREO, Vargas Lobe, Sara, Fernandez Garcia, Laura, Fuentes Ferrer, Manuel, Quintela Jorge, Oscar, Bravo Serrano, Begona, GONZÁLEZ ARMENGOL, JUAN JORGE, SANTIAGO SAEZ, ANDRES SEBASTIÁN. Differences in toxicology reports and hospital emergency care for patients suspected of experiencing drug-facilitated crimes: an analysis according to gender. EMERGENCIAS. 2024. 36(4):249-256). DOI: 10.55633/s3me/024.2024. IF: 5,4. (D1).

New Non Competitive Funding

24/635-E. EVALUATION OF 3 DIFFERENT STRATEGIES FOR REQUESTING NON-URGENT HIV SEROLOGY IN EMERGENCY DEPARTMENTS. PI: JUAN MARÍA GONZÁLEZ DEL CASTILLO.

24/393-E. PERFIL DE LOS PACIENTES CON UN NUEVO DIAGNÓSTICO DE VIH REALIZADO EN URGENCIAS. PI: JUAN MARÍA GONZÁLEZ DEL CASTILLO.

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OGS.27 The Interdisciplinary Study Group
of Diabetic Foot

Leading researcher

José Luis Lázaro Martínez

Members

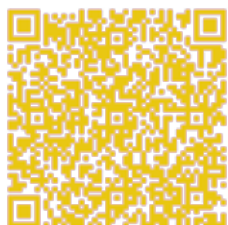
Aroa Tardaguila García	José Luis Lázaro Martínez
Carmen Blasco Fanlo	Juan Vicente Beneit Montesinos Del Olmo
Elpidio Calvo Manuel	María Del Carmen García Carrión
Esther Alicia García Morales	Marta García-Madrid Martín De Almagro
Francisco Javier Álvaro Afonso	Mateo López Moral
Irene Sanz Corbalan	Raúl Juan Molines Barroso
José Luis García Klepzig	Yolanda García Álvarez



Lines of research

PATHOPHYSIOLOGY, DIAGNOSIS, TREATMENT, AND PREVENTION OF DIABETIC FOOT SYNDROME[®]; Microbiology, Surgery, Endocrinology, Preventive medicine. Key words: Lower limb amputation. Biomechanics. Peripheral vascular disease. Limited joint mobility. Diabetic neuropathy. Osteomyelitis. Diabetic foot ulcer. Diabetic foot.

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Scientific
production

22

Nº of papers
(WoS)

68% (15)

% Open
Access (Nº)

20

Nº of papers
JCR indexed

100% (20)

% Citable
Items (Nº)

70% (14)

Q1 (citable items)

15% (3)

D1 (citable items)

71.88

Cumulative IF

3.59

Average IF

Selected Publications

Amo-Navarrete, Jessica, Garcia-Oreja, Sara, Leon-Herce, Diego, Navarro-Perez, David, LÁZARO MARTÍNEZ, JOSÉ LUIS, ÁLVARO AFONSO, FRANCISCO JAVIER. Cantharidin (1%), podophyllin (5%), and salicylic acid (30%) formulation in recalcitrant plantar warts: Analysis of 48 patients. JOURNAL OF MEDICAL VIROLOGY. 2024. 96(9). DOI: 10.1002/jmv.29925. IF: 6,8. (D1).

LÓPEZ MORAL, MATEO, GARCÍA-MADRID MARTÍN DE ALMAGRO, MARTA, MOLINES BARROSO, RAÚL JUAN, SANZ CORBALÁN, IRENE, TARDÁGUILA GARCÍA, AROA, LÁZARO MARTÍNEZ, JOSÉ LUIS. Clinical Efficacy of a Contralateral Shoe Lift in Patients with Diabetic Foot Ulcers and Induced Limb-Length Discrepancies: A Randomized Controlled Trial. Advances in Wound Care. 2024. 14(5):251-259. DOI: 10.1089/wound.2024.0151. IF: 5,8. (D1).

Navarro-Perez, David, LÁZARO MARTÍNEZ, JOSÉ LUIS, Garcia-Oreja, Sara, Perez-Perez, Teresa, ÁLVARO AFONSO, FRANCISCO JAVIER, TARDÁGUILA GARCÍA, AROA. Prevalence and Risk Factors Predicting Onychomycosis in Patients with and Without Diabetes Mellitus in Spain: A Cross-Sectional Study. Journal of Fungi. 2024. 10(11). DOI: 10.3390/jof10110790. IF: 4,2. (Q1).

Awards

Researcher aware: JOSÉ LUIS LÁZARO MARTÍNEZ. Award: RECONOCIMIENTO A LA VISIBILIDAD DEL PIE DIABÉTICO A NIVEL NACIONAL E INTERNACIONAL, OTORGADO POR EL CONSEJO GENERAL DE COLEGIOS DE PODOLOGÍA DE ESPAÑA.

Clinical Practical Guidelines

GARCÍA-MADRID MARTÍN DE ALMAGRO, MARTA, LÓPEZ MORAL, MATEO, TARDÁGUILA GARCÍA, AROA, MOLINES BARROSO, RAÚL JUAN, GARCÍA ÁLVAREZ, YOLANDA, LÁZARO MARTÍNEZ, JOSÉ LUIS. Disease Knowledge and Behavior Regarding the Diabetic Foot in Persons at Different Risks for Foot Ulceration According to the International Working Group on the Diabetic Foot Guidelines. JOURNAL OF THE AMERICAN PODIATRIC MEDICAL ASSOCIATION. 2024. DOI: 10.7547/22-087.

Nicolaas C. Schaper, Jaap J. van Netten, Jan Apelqvist, Sicco A. Bus, Robert Fitridge, Fran Game, Matilde Monteiro-Soares, Eric Senneville, on behalf of the IWGDF Editorial Board (para la traducción colaboraron: Lázaro Martínez JL, García Morales EA, García Álvarez Y, Álvaro Afonso FJ, Molines Barroso RJ, Sanz Corbalán I, Tardáguila García A, López Moral M, García Madrid M). Guía práctica del IWGDF para la prevención y el tratamiento de la enfermedad del pie relacionada con la diabetes (Como parte de las Guías Prácticas del 2023 del IWGDF para la Prevención y el Manejo de la enfermedad de Pie Diabético). International Working Group of the Diabetic Foot (IWGDF). 2024.

Sicco A. Bus, Isabel C.N Sacco, Matilde Monteiro-Soares, Anita Raspovic, Joanne Paton, Anne Rasmussen, Larry A. Lavery, Jaap J. van Netten, on behalf of the International Working Group on the Diabetic Foot (para la traducción colaboraron: Lázaro Martínez JL, García Morales EA, García Álvarez Y, Álvaro Afonso FJ, Molines Barroso RJ, Sanz Corbalán I, Tardáguila García A, López Moral M, García Madrid M). Guía del IWGDF sobre la prevención de úlceras del pie en personas con diabetes (Como parte de las Guías Prácticas del 2023 del IWGDF para la Prevención y el Manejo de la enfermedad de Pie Diabético). International Working Group of the Diabetic Foot (IWGDF). 2024.

Matilde Monteiro-Soares, Emma J. Hamilton, David A. Russel, Gulapar Srisawasdi, Ed J. Boyko, Joseph L. Mills, William Jeffcoat, Fran Game, on behalf of the International Working Group on the Diabetic Foot (para la traducción colaboraron: Lázaro Martínez JL, García Morales EA, García Álvarez Y, Álvaro Afonso FJ, Molines Barroso RJ, Sanz Corbalán I, Tardáguila García A, López Moral M, García Madrid M). Guía del IWGDF sobre la clasificación de úlceras del pie en personas con diabetes (Como parte de las Guías Prácticas del 2023 del IWGDF para la Prevención y el Manejo de la enfermedad de Pie Diabético). International Working Group of the Diabetic Foot (IWGDF). 2024.

Éric Senneville, Zaina Albalawi, Suzanne A. van Asten, Zulfiqarali G. Abbas, Geneve Allison, Javier Aragón-Sánchez, John M. Embil, Lawrence A. Lavery, Majdi Alhasan, Orhan Oz, Ilker Uçkay, Vilma Urbančič-Rovan, Zhang-Rong Xu, Edgar J.G. Peters, on behalf of the International Working Group on the Diabetic Foot (para la traducción colaboraron: Lázaro Martínez JL, García Morales EA, García Álvarez Y, Álvaro Afonso FJ, Molines Barroso RJ, Sanz Corbalán I, Tardáguila García A, López Moral M, García Madrid M). Guía del

IWGDF sobre el diagnóstico y el tratamiento de la infección del pie en personas con diabetes (Como parte de las Guías Prácticas del 2023 del IWGDF para la Prevención y el Manejo de la enfermedad de Pie Diabético). International Working Group of the Diabetic Foot (IWGDF). 2024.

Robert Fitridge, Vivienne Chuter, Joseph L. Mills, Robert J. Hinchliffe, Nobuyoshi Azuma, Christian-Alexander Behrendt, Edward J Boyko, Michael S. Conte, Misty Humphries, Lee Kirksey, Katharine McGinagle, Sigrid Nikol, Joakim Nordanstig, Vincent Rowe, David A. Russell, Jos van den Berg, Maarit Venermo, Nicolaas C. Schaper (para la traducción colaboraron: Lázaro Martínez JL, García Morales EA, García Álvarez Y, Álvaro Afonso FJ, Molines Barroso RJ, Sanz Corbalán I, Tardáguila García A, López Moral M, García Madrid M). Guías intersocietarias del IWGDF, la ESVS y la SVS sobre la enfermedad arterial periférica en pacientes con diabetes mellitus y úlceras en el pie (Como parte de las Guías Prácticas del 2023 del IWGDF para la Prevención y el Manejo de la enfermedad de Pie Diabético). International Working Group of the Diabetic Foot (IWGDF). 2024.

Sicco A. Bus, David G. Armstrong, Ryan T. Crews, Catherine Gooday, Gustav Jarl, Klaus Kirketerp-Moller, Vijay Viswanathan, Peter A. Lazzarini, on behalf of the International Working Group on the Diabetic Foot (para la traducción colaboraron: Lázaro Martínez JL, García Morales EA, García Álvarez Y, Álvaro Afonso FJ, Molines Barroso RJ, Sanz Corbalán I, Tardáguila García A, López Moral M, García Madrid M). Guía sobre la descarga de las úlceras del pie en personas con diabetes (Como parte de las Guías Prácticas del 2023 del IWGDF para la Prevención y el Manejo de la enfermedad de Pie Diabético). International Working Group of the Diabetic Foot (IWGDF). 2024.

Pam Chen, Nalini Campillo Vilorio, Ketan Dhatriya, William Jeffcoat, Ralf Lobmann, Caroline McIntosh, Alberto Piaggese, John Steinberg, Prash Vas, Vijay Viswanathan, Stephanie Wu, Fran Game, on behalf of the International Working Group on the Diabetic Foot (para la traducción colaboraron: Lázaro Martínez JL, García Morales EA, García Álvarez Y, Álvaro Afonso FJ, Molines Barroso RJ, Sanz Corbalán I, Tardáguila García A, López Moral M, García Madrid M). Guía sobre intervenciones para mejorar la cicatrización de las úlceras del pie en personas con diabetes (Como parte de las Guías Prácticas del 2023 del IWGDF para la Prevención y el Manejo de la enfermedad de Pie Diabético). International Working Group of the Diabetic Foot (IWGDF). 2024.

Dane K. Wukich, Nicolaas C. Schaper, Catherine Gooday, Arun Bal, Robert Bem, Avneesh Chhabra, Mary Hastings, Crystal Holmes, Nina L. Petrova, Maria Gala Santini Araujo, Eric Senneville, Katherine M. Raspovic, on behalf of the International Working Group on the Diabetic Foot (para la traducción colaboraron: Lázaro Martínez JL, García Morales EA, García Álvarez Y, Álvaro Afonso FJ, Molines Barroso RJ, Sanz Corbalán I, Tardáguila García A, López Moral M, García Madrid M). Guía sobre el diagnóstico y tratamiento de la neuroosteoartropatía de Charcot en personas con Diabetes mellitus (Como parte de las Guías Prácticas del 2023 del IWGDF para la Prevención y el Manejo de la enfermedad de Pie Diabético). International Working Group of the Diabetic Foot (IWGDF). 2024.

Sicco A. Bus, Matilde Monteiro-Soares, Fran Game, Jaap J. van Netten, Jan Apelqvist, Robert Fitridge, Eric Senneville, Nicolaas C. Schaper, on behalf of the IWGDF Editorial Board (para la traducción colaboraron: Lázaro Martínez JL, García Morales EA, García Álvarez Y, Álvaro Afonso FJ, Molines Barroso RJ, Sanz Corbalán I, Tardáguila García A, López Moral M, García Madrid M). Directrices para la elaboración y metodología de las Guías del 2023 del IWGDFs (Como parte de las Guías Prácticas del 2023 del IWGDF para la Prevención y el Manejo de la enfermedad de Pie Diabético). International Working Group of the Diabetic Foot (IWGDF). 2024.

New Non Competitive Funding

24/007-E. Diagnóstico de la infección en las úlceras de pie diabético mediante imagen termográfica. PI: JOSÉ LUIS LÁZARO MARTÍNEZ.

195-2024. A randomised, double blind, active controlled, paralalled group clinical trial to assess the safety and efficacy of Nanordica antibacterial wound dressing in patients with DFUs. PI: JOSÉ LUIS LÁZARO MARTÍNEZ.

609-2023. Assessment of URGO AWC_008 and URGOAWC_022 dressing in local management of acute and chronic wounds at risk of local infection or with clinical signs of local infection. PI: JOSÉ LUIS LÁZARO MARTÍNEZ.

Leading researcher

Miguel Sánchez García

Members

Antonio Dámaso Núñez Reiz

Juan Carlos Martín Benítez

Belén De La Hera Hernanz

Manuel Álvarez González

Eva María Columna Cid

Mercedes Nieto Cabrera

Fernando Martínez Sagasti

Sandra García Pintado

Gabriel Parra Gonzalez

Lines of research

- Sepsis
- Prevention and treatment of nosocomial infection and resistance.
- Refractory cardiogenic shock.
- Oxidative stress associated with severe infection, ischaemia-reperfusion and haemorrhage.
- Safety of the critically ill patient.
- Efficacy and safety of suctioning respiratory secretions in intubated patients
- Detection and correction of asynchronies in mechanical ventilation
- Status post cardiorespiratory arrest: early cerebral cooling. EEG neurological prognosis

Scientific production

8

Nº of papers
(WoS)

38%₍₃₎

% Open
Access (Nº)

8

Nº of papers
JCR indexed

88%₍₇₎

% Citable
Items (Nº)

43%₍₃₎

Q1 (citable items)

14%₍₁₎

D1 (citable items)

29.70

Cumulative IF

4.24

Average IF

Selected Publications

SÁNCHEZ GARCÍA, MIGUEL, ÁLVAREZ GONZÁLEZ, MANUEL, DOMINGO MARIN, SARA, DEL PINO RAMIREZ, ANGELA, MARTÍNEZ SAGASTI, FERNANDO, GONZALEZ ARENAS, PALOMA, CARDENAL SÁNCHEZ, CARLOS, VELASCO LOPEZ, MARIA ELENA, NÚÑEZ REIZ, ANTONIO DÁMASO. Comparison of Mechanical Insufflation-Exsufflation and Hypertonic Saline and Hyaluronic Acid With Conventional Open Catheter Suctioning in Intubated Patients. RESPIRATORY CARE. 2024. 69(5):575-585). DOI: 10.4187/respcare.11566. IF: 2,4. (Q2).

Reijnders, Tom D. Y., Laterre, Pierre-Francois, Francois, Bruno, SÁNCHEZ GARCÍA, MIGUEL, van Engelen, Tjitske S. R., Sie, Daoud, Scicluna, Brendon P., Ostanin, Dmitry, Galinsky, Kevin J., Butler, Joe M., Lombardo, Eleuterio, van der Poll, Tom, SEPCELL Study Grp. Effect of mesenchymal stem cells on the host response in severe community-acquired pneumonia. Thorax. 2024. 79(10):1086-1090). DOI: 10.1136/thorax-2024-222026. IF: 9. (D1).

Reta-Perez, Olivia, Colmenero-Ruiz, Manuel, Hernandez-Socorro, Carmen Rosa, Saavedra, Pedro, FEBRIANNY MAICHLE, SILMARY, Portugal, Esther, Cerezo-Arias, Mariola, Sanchez Ales, Laura, Martinez-Carmona, Juan F., Mateu-Campos, Lidon, Lorencio-Cardenas, Carol, Garcia-Miguel, Ana, Sosa-Durr, Maria, San Martin-Bragado, Maria, Ruiz-Santana, Sergio. Trophic Nutrition in ICU Patients Undergoing High-Flow Oxygen Therapy and/or Noninvasive Mechanical Ventilation: The Nutri-Trophic Study. NUTRIENTS. 2024. 16(9). DOI: 10.3390/nu16091366. IF: 4,8. (Q1).

Clinical Practical Guidelines

Miguel Sánchez García, Inés García González, Candido Pardo rey, Silmary Maichle Febrianny. Código Crisis. SERMAS. 2024.

New Non Competitive Funding

MSG.M01HAM. Colaboración económica para la realización del proyecto “ENSAYO CLÍNICO CONTROLADO DEL EFECTO DEL AJUSTE AUTOMÁTICO CON LA HERRAMIENTA INTELLISYNC+® (RESPIRADORES HAMILTON) SOBRE LA DENSIDAD DE INCIDENCIA DE ASINCRONÍAS DURANTE LA VENTILACIÓN MECÁNICA INVASIVA COMPARADO CON EL AJUSTE MANUAL DE LOS PARÁMETROS VENTILATORIOS”. PI: MIGUEL SÁNCHEZ GARCÍA.

ECL.23/757. ENSAYO CLÍNICO EXPLORATORIO, MULTICÉNTRICO, DE INTERVENCIÓN, PROSPECTIVO, ALEATORIZADO, CON DOBLE ENMASCARAMIENTO Y CONTROLADO CON PLACEBO PARA EVALUAR LA SEGURIDAD Y LA EFICACIA DE AON-D21 EN PACIENTES CON NEUMONÍA EXTRAHOSPITALARIA GRAVE. PI: MIGUEL SÁNCHEZ GARCÍA.”

ECL.24/282. ESTUDIO DE FASE II, ALEATORIZADO, DOBLE CIEGO Y CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE LA GELSOLINA PLASMÁTICA HUMANA RECOMBINANTE ADYUVANTE CON EL TRATAMIENTO DE REFERENCIA PARA EL SDRA DE MODERADO A GRAVE DEBIDO A NEUMONÍA U OTRAS INFECCIONES. PI: MIGUEL SÁNCHEZ GARCÍA.

Technology Transfer

Utility model EQUIPO PARA TRATAMIENTO DE LA INFECCIÓN RESPIRATORIA EN PACIENTES INTUBADOS. Miguel Sánchez García. Licence date: 11/10/2024.

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CORE FACILI TIES

CORE FACILITIES

UTS.1 UCIF

Flow Cytometry Unit



Coordinator Dulcenombre Gómez Garre

Member Adriana Ortega Hernández

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
- Separation of cell samples by sorting.
- 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



Other activity



UTS.2A LABMIC

Genomics Unit: Microbiota Laboratory



Coordinator	Dulcenombre Gómez Garre
Member	Adriana Ortega Hernández
Member	Javier Modrego Martín (CIBER)

Contact

mgomezgarre@salud.madrid.org
913303000 Ext. 482455

Location

Hospital Clínico San Carlos, 2ª planta, ala Norte

Services offered

- Bacterial DNA extraction DNA from various niches (faeces, intestine, air, etc) from various niches (faeces, gut, air, etc).
- Sample preparation, library generation and 16S ribosomal gene sequencing (DNA and RNA) using massive sequencing equipment.
- Analysis and integration of bacterial sequence data by bioinformatics analysis. Quantification of bacterial products in blood and urine (SCFA, p-Cresol, TMAO, etc).
- Quantification of markers of inflammation (IL-1 β , IL-18, TNF α , etc.) and immune activation (CD4+/CD38+, CD8+/CD38+, CD8+/CD38+/HLADR+).
- Quantification of markers of intestinal barrier permeability (lactulose/mannitol ratio) and bacterial translocation (LPS, CD14s).

Activity register



Other activity



UTS.2B LABGEN

Genomics Unit: Genomics and Microarrays Laboratory



Coordinator Beatriz Pérez-Villamil Salgado

Contact

bperezvillamil.hcsc@salud.madrid.org
913303000 Ext. 484823

Location

Hospital Clínico San Carlos, Planta baja, ala Sur.

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
Análisis de resultados de la secuenciación NGS de 140 genes de la vía del TGF- β	Merck y S. Oncología Médica	Determinación del número de mutaciones relevantes
Análisis de las inmunohistoquímicas de los TMAs teñidos con el anticuerpo PA5-98288 contra la Activina A	Colaboración con Biobanco y con Anatomía Patológica	Análisis de datos y asociación a parámetros clínico-biológicos y subtipos del cáncer colorrectal
Filtrado de mutaciones en genes de TGF- β en muestras de colon normal obtenidos de COLONOMICS	S. Oncología Médica	Determinación de mutaciones relevantes asociadas a parámetros clínico-biológicos

UTS.2C LABONC

Genomics Unit: Oncology Laboratory



Coordinator	Guillermo Velasco Díez
Member	Inmaculada Bando Polaino
Member	Ines Bartolomé Asensio
Member	Sandra Gutierrez García
Member	Paula Diaque García
Member	Ada Esteban-Sánchez
Member	Pilar Garre Rubio
Member	Vanesa García Barberán
Member	Alicia Gómez Sanz
Member	Miguel De La Hoya Mantecón
Member	Víctor Lorca Castellanos
Member	Lobna Ramadane

Contact

gvd@bbm1.ucm.es
913303000 Ext. 484822

Location

Hospital Clínico San Carlos, Planta baja, ala Sur.

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
- Microsatellite study, sequencing, HRM, fragments.
- Purification of DNA, RNA, cDNA from blood, tissues, and paraffin-embedded tumour tissues
- Digital PCR, NGS Detection of circulating tumour cells.

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=464)	Cáncer Familiar
Estudio de mutaciones BRCA1 y BRCA2 (centro de referencia ID.BRCA)	ASTRA ZENECA (N=244)	NGS HRD (cáncer de ovario)
Estudio de mutaciones en KRAS, NRAS y BRAF (centro de referencia PrecisaRas)	MERCK KRAS (N=427) NRAS, BRAF (M=210)	Cáncer Colorrectal (CRC)
Estudio de mutaciones en KRAS (centro de referencia NK-RAS)	AMGEN KRAS (N=167) NRAS, BRAF (N=99)	Cáncer Colorrectal (CRC)
Estudio de mutaciones BRAF en tejido	NOVARTIS N=21	Melanoma, Tiroides, Endometrio, Metástasis Pulmonar
Estudio de mutaciones BRAF en biopsia líquida	HCSC N=7	Melanoma
Estudio de mutaciones PIK3CA en biopsia líquida	HCSC N=3	Cáncer de Mama

UTS.2D LABINMUNO

Genomics Unit: Immunogenetics and Sequencing Laboratory

Coordinator Miguel Fernández Arquero

Member Raquel Gil Laborda



Services offered

- Quantification of nucleic acids and proteins.
- Fragment analysis, SNP studies, MLPA and Sanger sequencing.
- Study of genetic markers and specific gene expression.
- Characterisation of nucleic acids and proteins using imaging techniques.

Contact

mfarquero@salud.madrid.org / 913303000 Ext, 484695/484699

Location

Hospital Clínico San Carlos, Planta 1, ala Sur.

Activity register

Activity	Clients	Description
Servicio tecnológico	Investigadores del Hospital Clínico San Carlos:	
Estudio genético de muestras ADN	Análisis Clínico	
Estudio genético de muestras Secuenciación	Anatomía Patología	
Estudio genético de muestras MLPA	Cardiología	
Estudio genético de muestras Fragmentos	Hematología	
Estudio genético de muestras PCR Real time	Inmunología	
	Microbiología	
	Neurología	
	Oncología	
	Pediatría	

UTS.3 UMECE

Experimental Surgery and Medicine Unit
(Animal facilities, Laboratories and Operating rooms)



Coordinator	María Cruz Rodríguez-Bobada González del Campo
Member	Patricia Quesada Manzano
Member	Paloma Peón Ruiz
Member	Gemma Martín Trillo

Contact

mrbbadagonzalezcampo@salud.madrid.org
91 3303000 Ext. 484313

Location

Hospital Clínico San Carlos, Sótano, ala Sur.

Services offered

- Service of anaesthesia and analgesia in experimental animals.
- Washing and sterilisation of surgical and research laboratory equipment.
- In vivo imaging service in mice to detect fluorescent or luminescent cells.
- Surgical facilities and animal house.

Activity register



Other activity

Activity
Practices for handling and performing procedures involving animals for scientific purposes and obtaining training in functions a, b, and c for the design of projects and procedures involving experimental animals.
Members of the Animal Experimentation Ethics Committee and Authorised Body
Evaluation of projects and procedures involving animals used for scientific or experimental purposes.
Spare cages for rats and spare cages for self-ventilated racks.
Updating of the rules for the use of laboratories, animal facilities and operating theatres.
Health checks on all animals in the UMECE animal facility twice a year.
Design of standardised working protocols for the unit to carry out the various procedures with animals.
Acquisition of new equipment and training of staff.

UTS.4 UAMI

Methodological Support Unit



Coordinator	Carmen de Burgos Lunar
Member	Irene Serrano García
Member	Rafael Sánchez del Hoyo
Member	Rodrigo López
Member	Mateo Paz Cabezas

Contact

uami@salud.madrid.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 Variant Calling in DNASeq.
 - Functional analysis of genomic data: GSEA Data collection from genomic repositories.
 - Mutation screening and visualisation (SNP).

Activity register



Other activity



UTS.5 BIOBANCO

Biobank



Chief Scientific Officer	Luis Ortega Medina
Coordinator	Laura del Río Álvarez
Member	Sara Centeno Alonso
Member	Luis González Valle
Member	Julia Cayetana Sorokowski Agudo



Hospital Clínico San Carlos
BIOBANCO



PLATAFORMA ISCIII
BIOBANCOS Y
BIOMODELOS



Contact

biobanco.hcsc@salud.madrid.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
- 3Security, Certification process quality for ISO 9001:2015

Activity register



UTS.6 UI

Innovation Support Unit



Coordinator María Luaces Méndez

Member Julio Mayol

Member Macarena Torrego

Member Laura Llorente

Member Jorge Nieto

Member Joan Chafer

Member Enrique Caso Onzain

Member Milagros Merino

Contact

innovacion.hcsc@salud.madrid.org
91 3303000 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



UTS.7 UACE

Support Unit for Research Ethics Committees and Clinical Trial Coordination



Hospital Clínico San Carlos
UNIDAD DE APOYO A COMITÉS ÉTICOS
DE INVESTIGACIÓN Y DE COORDINACIÓN
DE ENSAYOS CLÍNICOS

Coordinator	M ^a Mar García Arenillas
Member	Elena Sánchez García
Member	Berta Orellana Suárez
Member	Lourdes Cabrera García
Member	M ^a Ángeles Torres Mora
Member	Cristina Romero Peces

Contact

ceic.hcsc@salud.madrid.org
913303000 Ext. 484159-484160

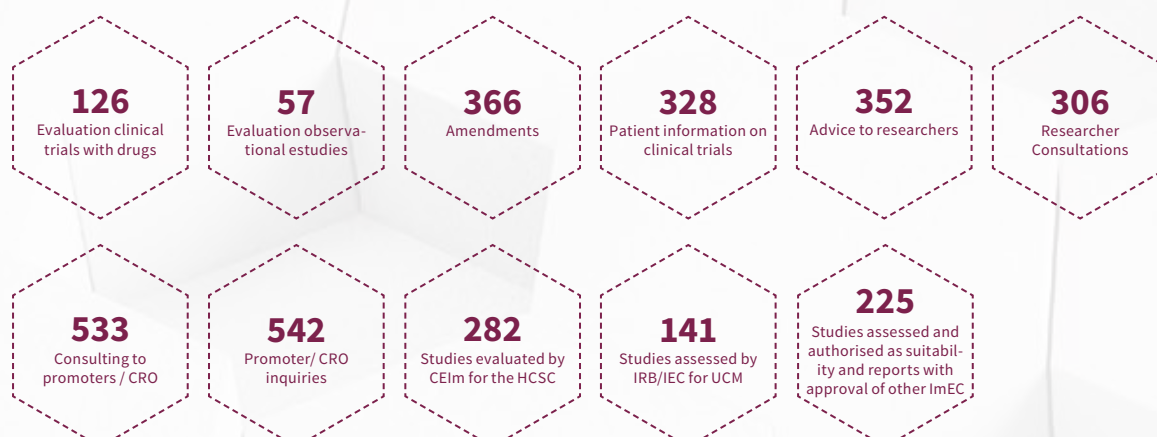
Location

Hospital Clínico San Carlos, 4^a planta, ala norte.

Services offered

- Information to patients on their participation in clinical trials.
- Counselling to IdISSC researchers on consultations carried out and for the drafting, execution, and implementation of research protocols.
- Counselling and consultancy for sponsors 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 authorised research projects.
- Monitoring 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 ETHICS COMMITTEE ON ANIMAL EXPERIMENTATION.
- Administrative support to the Authorised Body of the Ethics Committee on Animal Experimentation.

Activity register



UTS.8 UICEC

Clinical Research and Clinical Trial Unit



Coordinator	Antonio Portolés Pérez
Member	Ana Belén Rivas Paterna
Member	Natalia Pérez Macías
Member	Alexandra Domingo Fernández
Member	Cristina Cuesta Mínguez
Member	Leticia Cebrián Reviejo
Member	Arancha Rodríguez Sanz
Member	Carmen Sanz Nieto
Member	Ana Ascaso del Rio
Member	Emilio Vargas Castrillón
Member	Carla Pérez Ingidúa
Member	Leonor Laredo Velasco
Member	Lourdes Cabrera García
Member	Rosario Salas Butrón
Member	Cristina del Hoyo Navalon

Contact

fibucicec.hcsc@salud.madrid.org
913303000 Ext. 482459-482462

Location

Hospital Clínico San Carlos, 4ª planta, ala norte.

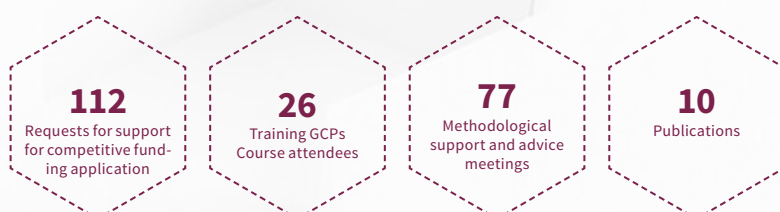
Services offered

- Design
- Regulatory
- Monitoring
- Project management
- Pharmacovigilance services

Activity register



Other activity



UTS.9 UFAR

Pharmacy Support Unit: Research Drug Management



Hospital Clínico San Carlos
UNIDAD DE APOYO A FARMACIA:
GESTIÓN DE MEDICACIÓN
DE INVESTIGACIÓN



Coordinator	María Teresa Benítez Giménez
Member	Adoración de la Santísima Trinidad Maqueda
Member	Cristián Gabriel Luengo Molero
Member	Gonzalo Hernando Llorente
Member	José Julio Gómez Castillo
Member	Iván Larrosa Espejo
Member	Lidia Ybañez García
Member	Natalia Sanchez-Ocaña

Contact

ensayosclnicosf.hcsc@salud.madrid.org
91 330 32 98

Location

Hospital Clínico San Carlos, planta baja, ala norte.

Services offered

- Masking, reception, custody and correct storage of the drugs in the conditions required by the sponsor.
- Preparation of the medication in laminar flow safety cabinets for those drugs that require it, guaranteeing the correct management and traceability of the research samples throughout the process.

Activity register



UTS.10 CLEAN ROOM

Cell therapy Unit. Clean room



Coordinator Cristina Ujaldón Miró
Member Beatriz Rodera Meléndez

Contact

upcelular.hcsc@salud.madrid.org
913303000 Ext. 482466

Location

Hospital Clínico San Carlos, 6ª planta, ala norte.

Services offered

- Procurement of GMP-quality mesenchymal stem cells from different tissues.
- Allogeneic biobank of mesenchymal stem cells for potential use in certain diseases.
- Research on vehicles and transporters of mesenchymal stem cells in tissues.

Activity register

Activity

Manufacturing Advanced Therapy products.

Course on Microbiology in Advanced Therapy Medicinal Product Manufacturing Units

UTS.12 UFARCLI

Phase I and Clinical Pharmacology Studies Unit



Hospital Clínico San Carlos
UNIDAD DE FASE I Y ESTUDIOS
DE FARMACOLOGÍA CLÍNICA



Contact

ufase1fc.hcsc@salud.madrid.org
913303000 Ext. 484145/484146

Location

Hospital Clínico San Carlos, 1ª planta, ala norte.

Coordinator	Antonio Portolés Pérez
Member	Emilio Vargas Castrillón
Member	Ana Ascaso del Río
Member	Carla Pérez Ingidua
Member	Leonor Laredo Velasco
Member	Natalia Rodríguez Galán
Member	Sonia Domínguez Muñoz
Member	Susana García Ramos
Member	Miriam Castro Castro
Member	María del Rosario Salas Butrón
Member	Teresa Iglesias Hernangómez

Services offered

- Design and execution of phase I clinical trials and clinical pharmacology studies.
- Pharmacokinetic analysis.
- Healthy volunteers screening.
- Biological sample management.
- Pharmacoeconomic analysis.
- Drafting of Protocols and final reports.

Activity register

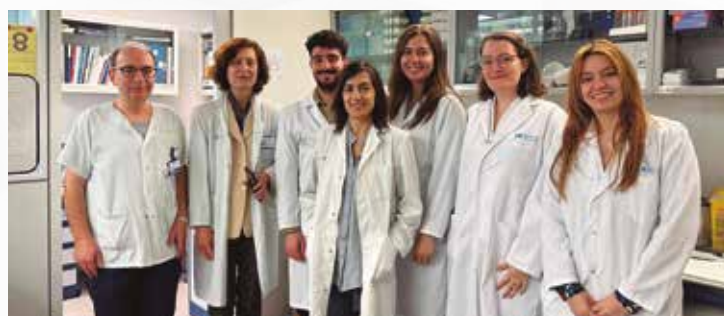


Other activity

Activity
Assessment of additional costs incurred in clinical studies.
Advice on the design and development of clinical trials.
Maintenance and re-accreditation of GCPs.
Maintenance and renewal of ISO 9001:2015.
Dissemination of knowledge generated in clinical research.
Knowledge generation.

UTS.13 URECEL

Cellular Response and Function Unit



Coordinator	Elena Urcelay García
Coordinator	Eduardo Anguita Mandly
Member	Adela González Jiménez
Member	Concepción Núñez
Member	Sara Gómez Aguililla
Member	Andrea Raposo López-Pastor
Member	Irene Gómez Delgado
Member	Jorge Infante Menéndez
Member	Roberto Álvarez Lafuente
Member	María Inmaculada Domínguez Mozo
Member	María Ángel García Martínez
Member	Stefano Ruberto

Contact

elena.urchay@salud.madrid.org
 eduardo.anguita@salud.madrid.org
 913303000 Ext. 482452/482453

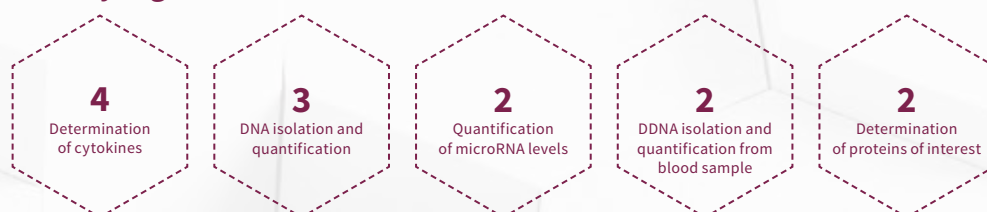
Location

Hospital Clínico San Carlos, planta baja, ala sur.

Services offered

- Preparation of biological samples for research projects (serum extraction, isolation, PBMCs and DNA, platelet-rich plasma – PRPs...).
- Pharmacogenetic research studies.
- Determination for research projects of: ApoE risk genetics, intraepithelial lymphogram (from duodenal biopsy), T CD8+ lymphocytes activated in peripheral blood directed to the intestine.
- Quantification of soluble proteins from various sources: serum, plasma, urine, tears, CSF, etc., for research projects, using Olink Signature Q100 technology and ELISA; and protein expression levels by Western blot.
- Messenger RNA expression levels by quantitative real-time PCR for research purposes.
- Research studies on mitochondrial activity using Agilent Seahorse technology.

Activity register



Other activity



UTS15.UICPI

Cancer and Immune-Mediated Pathologies

Immunomonitoring Unit

Coordinator	Silvia Sánchez Ramón
Member	Alberto Ocaña
Member	Miguel Fernández Arquero
Member	Pedro Pérez Segura
Member	Alejandro Pereiro Rodríguez
Member	Teresa Guerra Galán
Member	Nabil Alberto Shubi-Issa Marín

Contact

ssramon@salud.madrid.org
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

Service	Customer
Estudios de inmunodeficiencias secundarias y primarias asociadas a malignidad	Interno (Servicio)
Respuesta humoral frente a fármacos	Farmacología
Centralización de resultados y soporte en el análisis de datos.	Interno (Unidad)
Análisis fenotípico y phosphoflow	Interno (Servicio)
Inmunofenotipaje y estudio funcional de subpoblaciones antígeno-específicas	Servicio de Oncología
Estudio de la respuesta inmunológica específica frente a antígenos diana	Interno (Unidad)

UTS16.UTEC

Experimental Cancer Therapies Unit



Coordinator Alberto Ocaña Fernández

Member Cristina Nieto Jiménez

Member Lucía Paniagua Herranz

Member Adrián Sanvicente García

Member Cristina Díaz-Tejero Rodríguez

Member Pablo Rodríguez Olmedo

Member Cristian Privat Contreras

Member Natàlia de Moya Valenzuela

Contact

alberto.ocana@salud.madrid.org
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



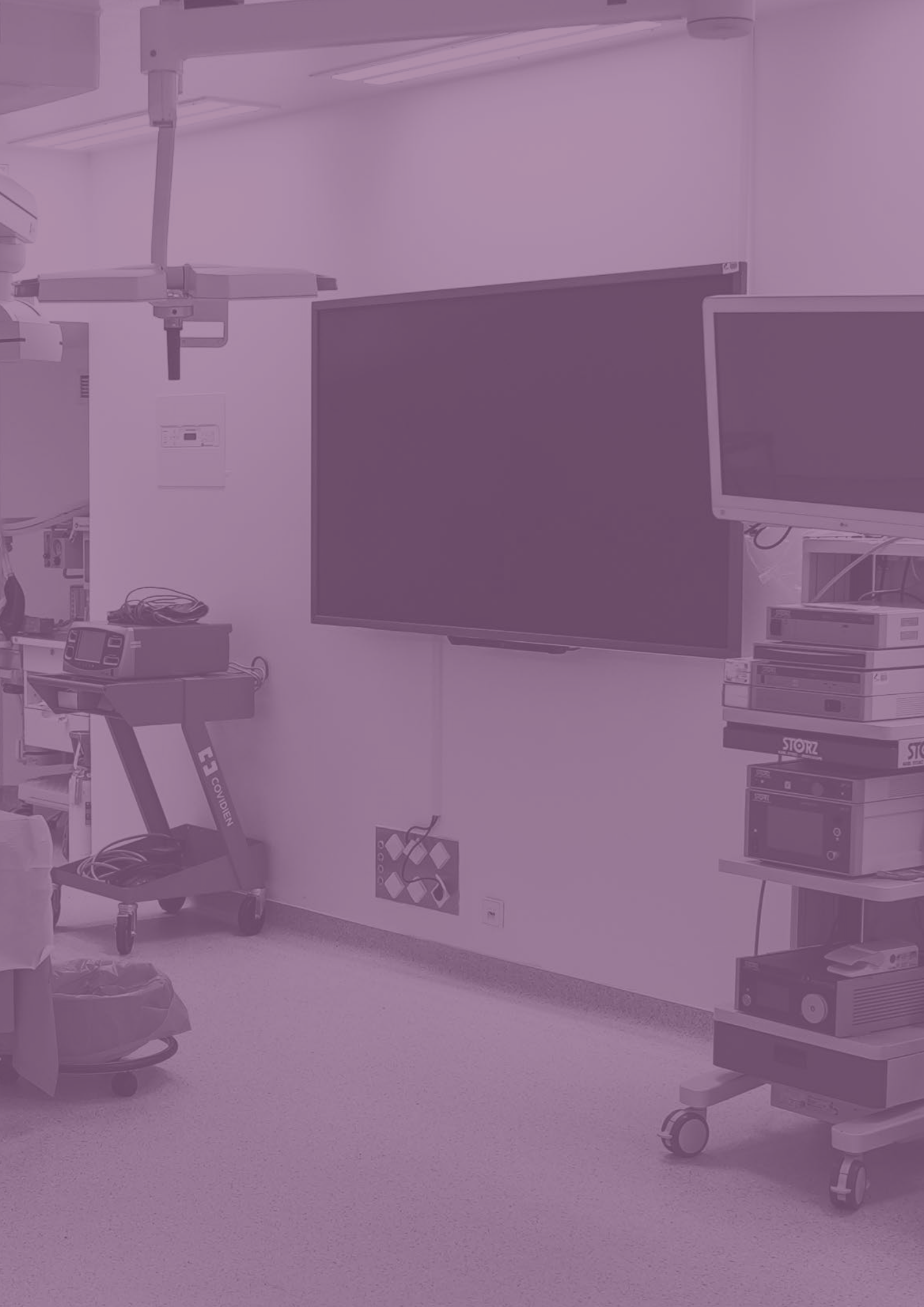
Please, click here for more information on support units

<https://www.idissc.org/espacios-de-apoyo-a-la-investigacion/>



APPENDIX
I
II
III
IV
V





Appendix I - OGS.28

Clinical research associate

Members	
ADRIAN MACHO GONZALEZ	JORGE ARTURO SANTOS LOPEZ
AKRAM LAHRIFA HAJ HAMMOU	JORGE MORENO MARTÍN
ALBA CRUZ GALBÁN	JOSÉ ÁNGEL DELGADO MARTÍN
ALBA GARCIMARTÍN ÁLVAREZ	JOSE ANTONIO VALLE CRUZ
ALBERTO GARCÍA SÁEZ	JOSE JAVIER ARIÑO IRUJO
ALONSO MATEOS RODRIGUEZ	JOSÉ MIGUEL ESTEBAN LÓPEZ-JAMAR
ANA FERNÁNDEZ RUIZ-MORÓN	JUAN MIGUEL RUIZ ALBUSAC
ANA GÓMEZ POLO	JUANA BENEDÍ GONZALEZ
ANA ISABEL ALGUACIL PAU	JULIA SAGRARIO BUENO
ANA MARÍA LOPEZ PARRA	JULIÁN HERNÁNDEZ MONTERO
ANA PATRICIA MOYA RUEDA	LAURA GARCÍA PÉREZ
ANDREA DÍEZ NAVARRO	LUCÍA RODRÍGUEZ VÁZQUEZ
ANDRES CAMILO VARGAS JIMENEZ	LUIS SANTE SERNA
ANTONIA RODRÍGUEZ DE LA PEÑA	LYDIA MARÍA SUÁREZ LARA
ANXELA DOVAL GONZALEZ	Mª ÁNGELES NAVAS HERNÁNDEZ
ARANTZAZU ÁLVAREZ DE ARCAVA VICENTE	Mª JESÚS GÓMEZ NEBREDÁ
ARÁNZAZU BOCANEGRA DE JUANA	Mª LUZ CAPOTE TOLEDO
BARBARA ROMERO GOMEZ	Mª TERESA DE MIGUEL DEL HOYO
CARLA PEINADO ESCOBAR	MANUEL CARNERO ALCAZAR
CARLOS FERNÁNDEZ GALVÁN	MANUELA ROLDÁN PALLARES
CARMEN HERNÁNDEZ PÉREZ	MARÍA DEL CARMEN SANZ MIGUEL
CESAR LOPEZ MATAYOSHI	MARÍA DEL MAR FENOLLAR CORTÉS
CHRISTIAN BENGUA TERRERO	MARÍA DEL PINO ALCÁNTARA CARRIO
CLARA MARCUELLO FONCILLAS	MARÍA JOSÉ JIMÉNEZ MARTÍN
CLAUDIA LOPES GOMES	MARIA JOSE VILCHEZ LARA
CLAUDIA RENATA ILAS	MARÍA MARTÍN CALVO
CRISTINA DEL HOYO NAVALÓN	MARÍA MONTSERRAT GONZÁLEZ ESTECHA
EDUARDO ARROYO PARDO	MARÍA TERESA REINA GUTIÉRREZ
EDUARDO LÓPEZ BRAN	MARÍA TERESA SANZ CASLA
EDUARDO MARTÍNEZ GÓMEZ	MARTA ARROYO GALLEGU
ELENA GONZALEZ GUERRA	MIGUEL VÁZQUEZ VELASCO
ELENA HERNANDEZ ALVAREZ	MÓNICA ANTOÑANZAS BASA
ELVIRA LÓPEZ-OLIVA MUÑOZ	NOELIA SANMAMED SALGADO
ENCARNACIÓN LOZANO PEREZ	OSCAR ÁNGEL VEDIA CRUZ
ENRIQUE BLÁZQUEZ FERNÁNDEZ	PABLO PÉREZ ALONSO
ESTHER VELÁZQUEZ SÁNCHEZ	PABLO TALAVERA EGUIZABAL
EULOGIO GARCIA FERNANDEZ	PALOMA CELADA RODRIGUEZ
FERNANDO RODRÍGUEZ GÓMEZ	PATRICIA VÁZQUEZ PÉREZ
FRANCISCA ARRANZ GARCIA	PEDRO ESPINO HURTADO
FRANCISCO JAVIER CARRICONDO OREJANA	PEDRO SÁEZ RODRÍGUEZ
FRANCISCO JOSÉ DEL RÍO GALLEGOS	RAFAEL LUQUE PEREZ
FRANCISCO JOSE SÁNCHEZ MUNIZ	RAFAEL MARTÍN -GRANIZO LÓPEZ
FRANCISCO VICENTE MARTÍN	RAFAEL OTERO FERNÁNDEZ
GLORIA MATO CHAIN	RAQUEL MERINO CAÑIZAL
GUSTAVO ADOLFO GOMEZ BUSTAMANTE	ROSALIA NAVARRO PEREZ
GUSTAVO LÓPEZ ALONSO	SANDRA GÓMEZ PASCUAL

Scientific production

90

Nº of papers
(WoS)

41% (37)

OA

80

Nº of papers
JCR indexed

64%

% AR&RE

51

Nº AR&RE

53%

% Q1 (AR&RE)

27

Nº Q1 (AR&RE)

Scientific production

Members

ISABEL DIGES ARTESERO	SARA BASTIDA CODINA
JAVIER PEDRAZ MUÑOZ	SARA PALOMO DÍEZ
JAVIER PEREIRO DE LAMO	SOFIA RODENAS DE LA ROCHA
JESÚS ENRIQUE FLORES SOLER	VERONICA HURTADO CARNEIRO
JESÚS GIMENO HERNÁNDEZ	VICTOR MANUEL MAOJO GARCÍA
JOAQUÍN CALATAYUD GASTARDI	VICTORIA ISABEL DEL SANTO O'NEILL

12%

%D1 (AR&RE)

6

Nº D1 (AR&RE)

229.80

IF

4.51

AVERAGE IF

Appendix II - Scientific Production

CV.1

Article

ASAD, SHABBIR, MEJÍA RENTERÍA, HERNÁN DAVID, Travieso, Alejandro, Espejo-Paeres, Carolina, GONZALO LÓPEZ, MARÍA NIEVES, Banning, Adrian P., Serruys, Patrick W., ESCANED BARBOSA, JAVIER. Coronary Physiology as Part of a State-of-the-Art Percutaneous Coronary Intervention Strategy: Lessons from SYNTAX II and Beyond. *CARDIOLOGY CLINICS*. 2024. 42(1):147-158). DOI: 10.1016/j.ccl.2023.07.001. IF: 2,6. (Q2).

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Correction

MARTÍNEZ GÓMEZ, EDUARDO, Solar, Ximena, CANDEIAS FARIA, DANIEL ALEXANDRE, NOMBELA FRANCO, LUIS, JIMÉNEZ QUEVEDO, PILAR, TIRADO CONTE, GABRIELA, POZO OSINALDE, EDUARDO, OLMOS BLANCO, CARMEN, MAHIA CASADO, PATRICIA, MARCOS-ALBERCA MORENO, PEDRO, LUCAS MÉNDEZ, MARÍA, GÓMEZ DE DIEGO, JOSÉ JUAN, Yurrita, Luis Collado,

Letter

PARDES VÁZQUEZ, JOSE GILDARDO, TIRADO CONTE, GABRIELA, JIMÉNEZ QUEVEDO, PILAR, MON NOBOA, MATÍAS RAFAEL, POZO OSINALDE, EDUARDO, NÚÑEZ GIL, IVÁN JAVIER, GONZALO LÓPEZ, MARÍA NIEVES, FERNÁNDEZ ORTIZ, ANTONIO IGNACIO, ESCANED BARBOSA, JAVIER, NOM-

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Book / Chapter

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Meeting Abstract

Diaz-Caneja, C. M., Donaire, L., Cavone, V., Andreu-Bernabeu, A., Gonzalez-Penas, J., DÍAZ MARSÁ, MARINA FRANCISCA, Rodriguez-Jimenez, R., Ibanez, A., Baca-Garcia, E., Leza, J. C., Bravo-Ortiz, M. F., Ayuso-Mateos, J. L., Arango, C. Association between loneliness in childhood and first episode psychosis. *EUROPEAN PSYCHIATRY*. 2024. 67():88-89. IF: 7,2. (D1).

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Mercedes Molero-Senosiaín, Stefano Barabino, José Manuel Benitez-del-Castillo. Capítulo 14. Nueva clasificación aplicada de las lágrimas artificiales. Moduladores de Superficie Ocular. Comunicación solicitada SEO.

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Meeting Abstract

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Article

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OGS.35

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Paloma González Arenas; María Calle Romero. Monitorización de la función respiratoria en ventilación mecánica. Asincronías. Ventilación mecánica en recién nacidos, niños y lactantes. A- Martínez Azagra; A. Serrano; J Casado Flores. Ed Ergon. ISBN: 978841995507.

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Appendix III: Research Group Activity

CV.1

Assessment of Diagnostic and Therapeutic Technologies in Coronary Arteriosclerosis

Competitive Funding

INT22/00088. Contrato para la Intensificación de la Actividad Investigadora en el SNS - Javier Escaned. PI: JAVIER ESCANED BARBOSA.

PI21/01481. Diagnóstico y manejo clínico de la disfunción microcirculatoria en pacientes con síndrome COVID crónico con dolor torácico de nueva aparición. PI: JAVIER ESCANED BARBOSA; HERNÁN DAVID MEJÍA RENTERÍA.

Non Competitive Funding

ECL.17/189. Registro multicéntrico de REVascularización SECundaria. REGISTRO REVASEC. PI: PABLO SALINAS SANGUINO.

ECL.19/093. Registro Global SYMPlicity. PI: HERNÁN DAVID MEJÍA RENTERÍA.

ECL.21/612. NON-INFERIORITY OF ANGIOGRAPHY-DERIVED PHYSIOLOGY GUIDANCE VERSUS USUAL CARE IN AN ALL-COMERS PCI POPULATION TREATED WITH UNRESTRICTED USE OF THE HEALING-TARGETED SUPREME (HT SUPREMETM) DRUG-ELUTING STENTANDP2Y12 INHIBITOR MONOTHERAPY AFTER 1-MONTH OF DUAL-ANTIPLATELET THERAPY:THE PIONEER IV TRIAL. PI: JAVIER ESCANED BARBOSA."

ECL.22/562. EQUIPO EUROPEO DE RESISTENCIA MICROCIRCULATORIA Y FLUJO ABSOLUTO. REGISTRO EURO-CRAFT. PI: JAVIER ESCANED BARBOSA.

ECL.22/573. COMBINED ISCHEMIA AND VULNERABLE PLAQUE PERCUTANEOUS INTERVENTION TO REDUCE CARDIOVASCULAR EVENTS. PI: JAVIER ESCANED BARBOSA; MARÍA NIEVES GONZALO LÓPEZ; PABLO SALINAS SANGUINO.

ECL.23/203. ESTUDIO POST COMERCIALIZACIÓN DE XIENCE SKYPOINT PARA VASOS DE GRAN LONGITUD. PI: MARÍA NIEVES GONZALO LÓPEZ.

ECL.23/346. EQUIDAD EN LA MODIFICACIÓN DE LA PLACA EN MUJERES CON CORONARIOPATÍA CALCIFICADA INFRATATADA (EMPOWER CAD). PI: MARÍA NIEVES GONZALO LÓPEZ."

Ensayo aleatorizado en el contexto nórdico y español sobre los efectos del tratamiento médico óptimo o revascularización de las oclusiones coronarias totales crónicas con isquemia miocárdica (ISQUEMIA CTO) Clinical Trials. gov NCT03563417. PI: JAVIER ESCANED BARBOSA.

The OPTIMAL study is a randomized, controlled, multicentre, international study. A total of 800 patients will be randomized in a 1:1 fashion to IVUS-guided PCI versus qualitative angio-guided PCI. Patients will be consented prior to the PCI procedure and then followed up to 2 years after the index procedure. PI: JAVIER ESCANED BARBOSA.

An Observational Study of the Neovasc Reducer™ System. The Reducer is intended for patients with refractory angina pectoris despite medical therapy, who are either not amenable or are at high risk for revascularization by coronary artery bypass grafting (CABG) or by percutaneous coronary intervention (PCI). The Reducer is designed to create a narrowing in the coronary sinus (CS) after implantation. CS narrowing improves perfusion to ischemic myocardium in the presence of reversible ischemic heart disease to alleviate the symptoms of refractory angina pectoris. PI: JAVIER ESCANED BARBOSA.

FlowTrier All-Comer Registry for patient Safety and Hemodynamics (FLASH). PI: PABLO SALINAS SANGUINO.

Registro IMPACT TIMING-GO: IMPACT of Time of Intervention in patients with Myocardial Infarction with Non-ST segment elevation. Management and Outcomes. PI: PABLO SALINAS SANGUINO.

Estudio prospectivo, multicéntrico y aleatorizado (stent sin polímero liberador de Sirolimus vs stent con polímero liberador de Zotarolimus) en el tratamiento percutáneo de pacientes diabéticos con enfermedad coronaria. PI: PABLO SALINAS SANGUINO.

Ensayo Clínico aleatorizado internacional iniciado por investigadores, que compara la revascularización coronaria guiada por QFR con revascularización coronaria guiada por FFR en pacientes con enfermedad arterial coronaria estable con estenosis intermedias (FAVOR III). PI: HERNÁN DAVID MEJÍA RENTERÍA.

Registry of Catheter Intervention in Pulmonary Embolism. PI: PABLO SALINAS SANGUINO."

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

Rotational Atherectomy Elective Renal.Arterioctomía Rotacional electiva vs de rescate en pacientes con lesiones coronarias calcificadas graves e insuficiencia renal crónica. PI: PABLO SALINAS SANGUINO.

Distal Evaluation of Functional performance with Intravascular sensors to assess the Narrowing Effect: Guide Physiologic Stenting. PI: JAVIER ESCANED BARBOSA.

Functional versus Culprit-only Revascularization in Elderly Patients with Myocardial Infarction and Multivessel Disease (FIRE). PI: JAVIER ESCANED BARBOSA.

ICP ÓPTIMA Comparación entre la tomografía de coherencia óptica (TCO) y la angiografía como métodos de implante de un stent coronario: ensayo multicéntrico aleatorizado en una ICP (ILUMIEN IV). PI: MARÍA NIEVES GONZALO LÓPEZ.

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

Estudio LUDICO "Eficacia y seguridad del uso de laser coronario en lesiones "incruzables" o "indilatables. PI: JAVIER ESCANED BARBOSA."

PPG global Registry: Prospective multicenter evaluation of the PPG index. PI: JAVIER ESCANED BARBOSA.

CV.2

Cardiovascular Imaging and Valvular Pathology and Large Vessels

COMPETITIVE FUNDING

EUR.GRAVITATE. Empowering and Equipping Europeans with health information for Active Personal Health Management and Adherence to Treatment. PI: MARÍA LUACES MÉNDEZ.

EUR.ODIN. Leveraging AI based technology to transform the future of health care delivery in Leading Hospitals in Europe. PI: MARÍA LUACES MÉNDEZ.

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: MARÍA LUACES MÉNDEZ.

ECL.21/340. LEVERAGING AI BASED TECHNOLOGY TO TRANSFORM THE FUTURE OF HEALTH CARE DELIVERY IN LEADING HOSPITALS IN EUROPE. PI: MARÍA LUACES MÉNDEZ.

ECL.21/351. EMPOWERING AND EQUIPPING EUROPEANS WITH HEALTH INFORMATION FOR ACTIVE PERSONAL HEALTH MANAGEMENT AND ADHERENCE TO TREATMENT. PI: MARÍA LUACES MÉNDEZ.

CV.4

Arrhythmia

COMPETITIVE FUNDING

EUR.STOPSTORM. A PROSPECTIVE EUROPEAN VALIDATION COHORT FOR STEREOTACTIC THERAPY OF REENTRANT TACHYCARDIA. PI: DAVID CALVO CUERVO."

23/194-E. Integración de puntuaciones de riesgo poligénico con información multiparamétrica en la predicción-paciente específica de la aparición, progresión y respuesta terapéutica a la fibrilación auricular. PI: Ricardo Salgado Aranda.

NON COMPETITIVE FUNDING

DFR.M01ABB. Financiación por Abbottestudio "Patient-TAILORed ablation of atrial fibrillation drivers in persistent stages based on instantaneous amplitude and frequency modulation criteria (TAILOR-AF)". Promotores FIB-HCSC /CNIC. PI: DAVID FILGUEIRAS RAMA.

NPC.M01BOS. Financiación estudio "Economic impact of the use of Heart-Logic™ in the Spanish National Healthcare System compared with the standard care in heart failure patients.". PI: NICASIO PÉREZ CASTELLANO.

JPD.M01FIC. Colaboración para la ejecución del proyecto "Desarrollo de un modelo organizativo para dar soporte a la Red Cardiovascular Cardiore1". PI: JULIÁN PÉREZ-VILLACASTÍN DOMÍNGUEZ.

NPC.C01MIC. Colaboración económica para la realización del Proyecto "REGISTRO DE PROCEDIMIENTOS DE RESONANCIA MAGNÉTICA EN PORTADORES DE DISPOSITIVOS IMPLANTABLES". PI: NICASIO PÉREZ CASTELLANO.

ECL.23/648. REGISTRO DE PROCEDIMIENTOS DE RESONANCIA MAGNÉTICA EN PORTADORES DE DISPOSITIVOS IMPLANTABLES. PI: NICASIO PÉREZ CASTELLANO.

ECL.23/075. INICIO TEMPRANO DE CANDESARTÁN VS PLACEBO EN PORTADORES GENÉTICOS DE MUTACIONES CAUSALES DE MCD SIN EVIDENCIA DE ENFERMEDAD (EARLY-GENE TRIAL). PI: MARIA ALEJANDRA RESTREPO CORDOBA.

ECL.23/305. HERMES: EFECTOS DE ZILTIVEKIMAB FRENTE A PLACEBO SOBRE LA MORBIMORTALIDAD EN PACIENTES CON INSUFICIENCIA CARDÍACA CON FRACCIÓN DE YECCIÓN LEVEMENTE REDUCIDA O PRESERVADA E INFLAMACIÓN SISTÉMICA. PI: MARIA ALEJANDRA RESTREPO CORDOBA.

ECL.22/565. MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE FOR EARLY DETECTION OF STROKE AND ATRIAL FIBRILLATION (MAESTRIA). PI: DAVID FILGUEIRAS RAMA.

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

ECL.23/219. ESTUDIO PROSPECTIVO, ALEATORIZADO, MULTICÉNTRICO, ABIERTO, GUIADO POR EVENTOS, PARA EVALUAR LA NO INFERIORIDAD DE UNA ESTRATEGIA PERSONALIZADA DE PRECISIÓN PARA LA PREVENCIÓN DE LA MUERTE SÚBITA EN PACIENTES CON MIOCARDIOPATÍA DILATADA NO ISQUÉMICA - ESTUDIO CIBER-SPANISH I. PI: MARIA VICTORIA CAÑADAS GODOY.

ECL.23/439. ESTUDIO BOCADOS-IC: ENSAYO CLÍNICO ALEATORIZADO PROSPECTIVO MULTICÉNTRICO SOBRE EL ABORDAJE NUTRICIONAL EN ADULTOS SEGUIDOS EN HOSPITALES ESPAÑOLES POR INSUFICIENCIA CARDIACA. PI: JOSEBE GOIRIGOLZARRIARTAZA.

14/273-E. 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.. PI: Nicasio Pérez Castellano.

ECL.15/398. Apixabán para la reducción de tromboembolismo en pacientes con fibrilación auricular subclínica detectada por un dispositivo. PI: Nicasio Pérez Castellano.

14/428-R. Ensayo clínico aleatorizado para estudio de cardioversión farmacológica efectiva de fibrilación auricular paroxística mediante bloqueo de las corrientes iónicas atrioselectivas por tratamiento con Vernakalant vs Flecainida. PI: Nicasio Pérez Castellano.

ECL.15/444. Valor del despistaje y tratamiento del S. apnea-hipopnea del sueño en el manejo de candidatos a ablación de fibrilación auricular. PI: Nicasio Pérez Castellano.

ECL.21/450. Seguridad y rendimiento de las sondas DF4 ventriculares in-victa con fijación activa. PI: Nicasio Pérez Castellano.

ECL.21/641. Boston scientific rhythm management registry. PI: Nicasio Pérez Castellano.

Valor predictivo de los electrogramas intracavitarios en la aparición de eventos arrítmicos ventriculares y/u hospitalizaciones en pacientes portadores de desfibrilador. PI: David Filgueiras Rama, José María Lillo Castellano.

15/324-E. Crioablación de fibrilación auricular bajo sedación consciente. PI: Ricardo Salgado Aranda.

22/713-E. Evaluation of electrocardiographic data from high-risk cardiac patients using WillemTM cardiologist level artificial intelligence software. PI: David Filgueiras Rama.

23/194-E. Integración de puntuaciones de riesgo poligénico con información multiparamétrica en la predicción-paciente específica de la aparición, progresión y respuesta terapéutica a la fibrilación auricular. PI: Ricardo Salgado Aranda.

CV.6

Group on Predictive Biomedicine and Translational Research of Respiratory, Cardiovascular and Metabolic Diseases

NON COMPETITIVE FUNDING

JZL.M01BAY. Colaboración económica para la ejecución del estudio "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: JOSÉ JAVIER ZAMORANO LEÓN.

ECL.19/128. Fabricación de prototipos para formación clínica mediante tecnología de impresión 3D. PRINT-BONE. PI: Mª CRUZ IGLESIAS MORENO.

ECL.23/031. ACTIVE SEARCH FOR SEVERE EMPHYSEMA WITH PULMONARY HYPERINSUFLACION PULMONAR AS A TREATABLE FEATURE. PI: MYRIAM

CALLE RUBIO.

20/615-E. ESTUDIO SOBRE LA CARGA QUE SUPONE PARA EL SISTEMA SANITARIO Y LOS PACIENTES LA TOS CRÓNICA REFRACTARIA O INEXPLICADA. PI: JUAN LUIS RODRIGUEZ HERMOSA.

ESTUDIO EPOCONSUL. PI: MYRIAM CALLE RUBIO.

C.I. 22/254-E. PASEOS TERAPÉUTICOS EN DEFICIENCIA DE ALFA 1 ANTI-TRIPSINA. PI: MYRIAM CALLE RUBIO.

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CV.8

Translational Research in Acute Myocardial Syndromes (INTEGRA)

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.

NON COMPETITIVE FUNDING

Clinical trial of atrial fibrillation patients comparing left atrial appendage occlusion therapy to non-vitamin K antagonist oral anticoagulants (CATALYST Trial). PI: DAVID VIVAS.

Keep Bifurcation Single Stenting Simple (KISS). PI: ANTONIO IGNACIO FERNÁNDEZ ORTIZSEC.

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. (SOS AMI). PI: ANTONIO IGNACIO FERNÁNDEZ ORTIZ.

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 GOLDILOX. PI: ANTONIO IGNACIO FERNÁNDEZ ORTIZ.

A Prospective, Randomized, Non-Inferiority Trial to Determine the Safety and Efficacy of the Biolimus A9TM Drug Coated Balloon for the Treatment of In-Stent Restenosis: First-in-Man Trial (REFORM). PI: ANTONIO IGNACIO FERNÁNDEZ ORTIZ.

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: ANTONIO IGNACIO FERNÁNDEZ ORTIZ.

ECL.19/093. Registro Global SYMPPLICITY. PI: IVÁN JAVIER NÚÑEZ GIL.

ECL.22/573. COMBINED ISCHEMIA AND VULNERABLE PLAQUE PERCUTANEOUS INTERVENTION TO REDUCE CARDIOVASCULAR EVENTS. PI: ANTONIO IGNACIO FERNÁNDEZ ORTIZ.

ECL.23/063. ESTUDIO DE FASE III, ALEATORIZADO, DOBLE CIEGO, CONTROLADO CON PLACEBO Y MOTIVADO POR LOS ACONTECIMIENTOS PARA DEMOSTRAR LA EFICACIA Y SEGURIDAD DE MILVEXIAN, UN INHIBIDOR ORAL DEL FACTOR XIA, DESPUÉS DE PADECER UN SÍNDROME CORONARIO AGUDO RECIENTE. PI: ANTONIO IGNACIO FERNÁNDEZ ORTIZ."

ECL.22/573. COMBINED ISCHEMIA AND VULNERABLE PLAQUE PERCUTANEOUS INTERVENTION TO REDUCE CARDIOVASCULAR EVENTS. PI: IVÁN JAVIER NÚÑEZ GIL. PI: ANTONIO IGNACIO FERNÁNDEZ ORTIZ.

CV.10

Myocardial regeneration therapy and structural pathology

NON COMPETITIVE FUNDING

ECL.20/576. Discontinuation of Antithrombotic Treatment Following Patent Foramen Ovale Closure in Young Patients with Cryptogenic Stroke. The HALTI trial. PI: LUIS NOMBELA FRANCO.

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: LUIS NOMBELA FRANCO.

ECL.21/393. ESTUDIO OBSERVACIONAL POSTERIOR A LA COMERCIALIZACIÓN EN LA UE DE SAPIEN 3 ULTRA PARA EVALUAR LOS RESULTADOS EN EL MUNDO REAL DEL SISTEMA DE VÁLVULA CARDÍACA TRANSCATÉTER (THV) SAPIEN 3 ULTRA EN CENTROS DE IMPLANTACIÓN DE VÁLVULAS AÓRTICAS TRANSCATÉTER (TAVI) QUE ESTÁN IMPLEMENTANDO PRÁCTICAS PERIOPERATORIAS MINIMALISTAS Y FACILITANDO EL ALTA TEMPRANA. PI: LUIS NOMBELA FRANCO.

ECL.22/132. VALIDACIÓN CLÍNICA Y EVALUACIÓN PRONÓSTICA DEL ALINEAMIENTO COMISURAL PRECISO DURANTE EL IMPLANTE DE PRÓTESIS AÓRTICA TRANSCATÉTER (ACA). PI: LUIS NOMBELA FRANCO.

ECL.22/573. COMBINED ISCHEMIA AND VULNERABLE PLAQUE PERCUTANEOUS INTERVENTION TO REDUCE CARDIOVASCULAR EVENTS. PI: PILAR JIMÉNEZ QUEVEDO; LUIS NOMBELA FRANCO; GABRIELA TIRADO CONTE.

ECL.23/011. OBJETIVO 2024: PREVALENCIA EN ESPAÑA DE MAL CONTROL DE LA ANTICOAGULACIÓN EN PACIENTES CON FIBRILACIÓN AURICULAR 'NO VALVULAR' TRATADOS CON ANTAGONISTAS DE LA VITAMINA K. PI: JUAN CARLOS GOMEZ POLO.

ECL.23/191. INVESTIGACIÓN DE LA SEGURIDAD Y RENDIMIENTO DEL SISTEMA NVT ALLEGRA THV CON UN NUEVO SISTEMA DE COLOCACIÓN EN PACIENTES CON ESTENOSIS AÓRTICA CALCIFICADA GRAVE O BIOPRÓTESIS AÓRTICA QUIRÚRGICA FALLIDA (EMPIRE). PI: PILAR JIMÉNEZ QUEVEDO.

ECL.23/323. ESTUDIO PIVOTAL/DE VIABILIDAD DE PRIMERA APLICACIÓN EN SERES HUMANOS (PASH) EN DOS FASES DEL SISTEMA AUTOEXPANDIBLE DE VÁLVULA AÓRTICA VIENNA VIVA. PI: LUIS NOMBELA FRANCO.

ECL.23/542. EVALUACIÓN DE LOS RESULTADOS CLÍNICOS DE LOS PACIENTES A QUIENES SE LES REALIZA OTRO PROCEDIMIENTO DE TAVI; REGISTRO DE OBSERVACIÓN, PROSPECTIVO, MULTICÉNTRICO. PI: LUIS NOMBELA FRANCO.

CV.11

Cardiovascular Risk

COMPETITIVE FUNDING

PI21/00838. Comunicación huésped-microbiota intestinal a través de vesículas extracelulares en el desarrollo y progresión de la insuficiencia cardíaca. Búsqueda de nuevos biomarcadores. PI: DULCENOMBRE GÓMEZ GARRE.

PI22/01608. 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. PI: NIEVES MARTELL CLAROS.

PI22/01608. 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. PI: ARTURO CORBATÓN ANCHUELO.

NON COMPETITIVE FUNDING

ECL.19/093. Registro Global SYMPPLICITY. PI: JOSE ANTONIO GARCIA DONAIRE.

ECL.23/206. ESTUDIO MULTICÉNTRICO, ALEATORIZADO, DOBLE CIEGO Y CONTROLADO CON PLACEBO EN EL QUE SE EVALÚA EL EFECTO DE INCLISIRÁN EN LA PREVENCIÓN DE ACONTECIMIENTOS CARDIOVASCULARES ADVERSOS MAYORES EN PACIENTES DE ALTO RIESGO EN PREVENCIÓN PRIMARIA (VICTORION-1 PREVENT). PI: JOSE ANTONIO GARCIA DONAIRE.

ECL.22/635. 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. PI: ARTURO CORBATÓN ANCHUELO.

DGG.SEA.23. PAPEL DE LA EXPOSICIÓN AMBIENTAL INTRAHOSPITALARIA SOBRE LA ARTERIOSCLEROSIS. INTERACCIÓN ENTRE LA MICROBIOTA INTESTINAL Y EL EXPOSOMA. PI: DULCENOMBRE GÓMEZ GARRE.

ACA.C01FEMI19. ESTUDIO PILOTO EN TRES CENTROS DE LA PROVINCIA DE SEGOVIA DE UNA COHORTE EN SEGUIMIENTO. ESTUDIO DE SÍNDROME METABOLICO, DIETA Y CARACTERIZACIÓN DE LA MICROBIOTA INTESTINAL. PI: ARTURO CORBATÓN ANCHUELO.

MMB.C01FEMI19. Estratificación pronóstica y terapéutica mediante la escala PROFUND en pacientes pluripatológicos con Insuficiencia Cardíaca. Registro PROFUND-IC. PI: MANUEL MENDEZ BAILON.

IIIA.1

Allergy

COMPETITIVE FUNDING

FIS.191095. Gravedad de las reacciones alérgicas: del fenotipo al endotipo. PI: MARÍA MONTSERRAT FERNÁNDEZ RIVAS.

NON COMPETITIVE FUNDING

ECL.20/140. Estimación de las necesidades de valoración alergológica urgente durante los ingresos hospitalarios en pacientes diagnosticados previamente de alergia a antibióticos. PI: LETICIA SANCHEZ MORILLAS.

ECL.23/156. ESTUDIO DE EXTENSIÓN MULTICÉNTRICO, DOBLE CIEGO Y DE TRES AÑOS DE DURACIÓN EN EL QUE SE EVALÚAN LA SEGURIDAD Y LA EFICACIA A LARGO PLAZO DE LIGELIZUMAB EN PACIENTES QUE HAYAN COMPLETADO ESTUDIOS DE FASE III DE LIGELIZUMAB EN ALERGIA ALIMENTARIA. PI: MARÍA MONTSERRAT FERNÁNDEZ RIVAS.

IIIA.2

Genetics and molecular bases of complex diseases

COMPETITIVE FUNDING

CNP.ACSG.21. Caracterización de la enfermedad celíaca no HLA-DQ2.5. PI: MARÍA CONCEPCIÓN NÚÑEZ PARDO DE VERA.

CNP.FACE.22. Estudio prospectivo en enfermedad celíaca potencial: búsqueda de biomarcadores de evolución a atrofia vellositaria y respuesta a dieta sin gluten. PI: MARÍA CONCEPCIÓN NÚÑEZ PARDO DE VERA.

FPU20/03387. FPU Adela González Jiménez. PI: ELENA URCELAY GARCÍA.

ICI21/00022. Eficacia y seguridad del Cromoglicato en como nuevo tratamiento sintomático en pacientes con Esclerosis Múltiple: ESTUDIO CAMINA. PI: CELIA OREJA GUEVARA.

PI20/01634. Explorando los orígenes del daño en Esclerosis Múltiple. PI: ELENA URCELAY GARCÍA.

PI21/00271. Enfoque multifactorial frente al diagnóstico del amplio espectro de la enfermedad celíaca. PI: MARÍA CONCEPCIÓN NÚÑEZ PARDO DE VERA.

LEP.C01EME. MECANISMOS FUNCIONALES EN LAS INTERACCIONES GEN-AMBIENTE EN ESCLEROSIS MÚLTIPLE PRIMARIA PROGRESIVA: VIRUS EPSTEIN-BARR Y POLIMORFISMOS GENÉTICOS DE RIESGO. PI: RAPOSO LÓPEZ-PASTOR, ANDREA.

RD21/0002/0038. Redes de Investigación Cooperativa Orientadas a Resultados en Salud (RICORS).. PI: ELENA URCELAY GARCÍA.

NON COMPETITIVE FUNDING

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: CELIA OREJA GUEVARA.

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 EVALUATE THE LONG-TERM SAFETY AND EFFICACY OF

SATRALIZUMAB IN PATIENTS WITH NEUROMYELITIS OPTICA SPECTRUM DISORDER (NMOSD). PI: CELIA OREJA GUEVARA."

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: MARÍA CONCEPCIÓN NÚÑEZ PARDO DE VERA.

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

IIIA.3

Musculoskeletal Pathology

COMPETITIVE FUNDING

EUR_SPIDERR. Stratification of Patients using advanced Integrative modeling of Data Routinely acquired for diagnosing Rheumatic complaints. PI: LUIS RODRÍGUEZ RODRÍGUEZ.

FMM.CPP.22. Contratos de Personal Investigador predoctoral 2022: María López Ramos. PI: FERNANDO MARCO MARTÍNEZ.

YLM.FMM.23. AUGMENTACIÓN BIOLÓGICA DE LA REPARACION QUIRÚRGICA DE LAS ROTURAS CRÓNICAS DEL MANGUITO ROTADOR MEDIANTE FIBROÍNA DE SEDA CON DOBLE FUNCIONALIZACIÓN. PI: YAIZA LOPIZ MORALES.

PI21/00858. Regeneración del Cartílago articular mediante terapia celular basada en hidrogeles termosensibles. PI: YAIZA LOPIZ MORALES.

PI21/00781. Evaluación de aproximaciones terapéuticas para artrosis de rodilla mediante modelos in vitro 'tissue in a chip' e in vivo. PI: BENJAMÍN FERNÁNDEZ GUTIÉRREZ.

CM22/00044. Contrato Rio Horteaga - Ines Perez San Cristobal. PI: LUIS RODRÍGUEZ RODRÍGUEZ.

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-THEIA (CombinationTherapy with mEthotrexate and adalimumAb for uveitis) -- 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. PI: LUIS RODRÍGUEZ RODRÍGUEZ.

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: LUIS RODRÍGUEZ RODRÍGUEZ.

NON COMPETITIVE FUNDING

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: LYDIA ABÁSULO ALCAZAR.

ECL.21/145. Curso clínico de pacientes con enfermedad pulmonar intersticial difusa (EPID) de origen autoinmune: Registro multicéntrico NEREA. PI: LYDIA ABÁSULO ALCAZAR.

ECL.23/136. ESTUDIO DE DOS COHORTES, DE FASE II, MULTICÉNTRICO, ALEATORIZADO, DOBLE CIEGO, DE GRUPOS PARALELOS Y CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE VIXARELIMAB EN COMPARACIÓN CON UN PLACEBO EN PACIENTES CON FIBROSIS PULMONAR IDIOPÁTICA Y EN PACIENTES CON ENFERMEDAD PULMONAR INTERSTICIAL ASOCIADA A ESCLERODERMIA GENERALIZADA. PI: LYDIA ABÁSULO ALCAZAR.

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: YAZA LOPEZ MORALES.

PMP22/00101. Validación clínica del algoritmo OPTIBIO para predecir permanencia en remisión en pacientes con artritis reumatoide a tratamiento con terapia biológica (REMRABIT-plus). PI: LUIS RODRÍGUEZ RODRÍGUEZ.

PI21/00858. Regeneración del Cartílago articular mediante terapia celular basada en hidrogeles termosensibles. PI: FERNANDO MARCO MARTÍNEZ.

LLM.P01.IR.23. Programa Investigación Responsable 2023: Impacto del género en variables de resultado de artritis reumatoide (GENERAR). PI: LETICIA LEÓN MATEOS.

ECL.21/133. Evaluación de aproximaciones terapéuticas para artrosis de rodilla mediante modelos in vitro 'tissue in a chip' e in vivo. PI: BENJAMÍN FERNÁNDEZ GUTIÉRREZ.

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: LUIS RODRÍGUEZ RODRÍGUEZ.

CEEA.13/1-II. ESTUDIO DE LA REPARACIÓN DE LAS LESIONES DEL MANGUITO ROTADOR MEDIANTE COMPUESTOS TRANSPORTADOR-RH-BMP-CELULAS. PI: FERNANDO MARCO MARTÍNEZ.

ECL.23/028. SURVEY ON PULMONARY HYPERTENSION IN DIFFUSE RESPIRATORY DISEASES (SUPPORT). PI: MARÍA ASUNCIÓN NIETO BARBERO.

ECL.23/029. COMBINED PULMONARY FIBROSIS AND EMPHYSEMA WITH PULMONARY HYPERTENSION: ADVANCED PHENOTYPING. PI: MARÍA ASUNCIÓN NIETO BARBERO.

ECL.23/030. EPIDEMIOLOGÍA DE LA HIPERTENSIÓN PULMONAR DE GRUPO 3 EN ESPAÑA. PI: MARÍA ASUNCIÓN NIETO BARBERO.

IIIA.7

Molecular and Epidemiological Study of Resistant Microorganisms of Clinical Interest

NON COMPETITIVE FUNDING

ECL.23/034. ESTUDIO DE FASE III, MULTICÉNTRICO, ALEATORIZADO, SIMPLE CIEGO, QUE EVALÚA LA EFICACIA Y SEGURIDAD DE CEFEPIMA/NACUBACTAM Y AZTREONAM/NACUBACTAM FRENTE AL MEJOR TRATAMIENTO DISPONIBLE EN ADULTOS CON INFECCIÓN COMPLICADA DE LAS VÍAS URINARIAS, PIELONEFRITIS AGUDA SOBREAÑADIDA, NEUMONÍA BACTERIANA NOSOCOMIAL, NEUMONÍA BACTERIANA ASOCIADA A VENTILACIÓN MECÁNICA E INFECCIÓN INTRAABDOMINAL COMPLICADA POR ENTEROBACTERIAS RESISTENTES A LOS CARBAPENÉMICOS. PI: LAURA LOPEZ GONZALEZ.

PI: LAURA LOPEZ GONZALEZ.

IIIA.8

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

COMPETITIVE FUNDING

BRC.CHIESI.23. HUMANIZACIÓN DE LA UNIDAD DE TRASPLANTE RENAL. PI: BEATRIZ RODRÍGUEZ CUBILLO.

PI22/00837. Estudio del efecto renoprotector de los ISGLT2 en la enfermedad renal diabética: mecanismos antiinflamatorios y modificación de la actividad mitocondrial. PI: CLARA GARCÍA CARRO.

PI22/00837. Estudio del efecto renoprotector de los ISGLT2 en la enfermedad renal diabética: mecanismos antiinflamatorios y modificación de la

actividad mitocondrial. PI: ANA ISABEL SÁNCHEZ FRUCTUOSO.

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: ANA ISABEL SÁNCHEZ FRUCTUOSO.

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: ISABEL PÉREZ FLORES.

NON COMPETITIVE FUNDING

ECL.23/278. ESTUDIO DE FASE IIB, ALEATORIZADO, CONTROLADO, DOBLE CIEGO Y MULTICENTRICO PARA COMPARAR LA EFICACIA Y LA SEGURIDAD DEL ZETOMIPZOMIB (KZR-616) 30 MG O 60 MG FRENTE A UN PLACEBO EN PACIENTES CON NEFRITIS LUPICA ACTIVA. PI: CLARA GARCÍA CARRO.”

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

ECL.23/319. ESTUDIO DE FASE 2B, ALEATORIZADO, CONTROLADO Y ABIERTO PARA EVALUAR LA RESPUESTA INMUNITARIA Y LA SEGURIDAD DE LA VACUNA EN INVESTIGACIÓN RSVREF3 OA EN ADULTOS (=50 AÑOS DE EDAD) CUANDO SE ADMINISTRA A RECEPTORES DE TRASPLANTE PULMONAR Y

RENAL COMPARANDO 1 FRENTE A 2 DOSIS Y EN COMPARACIÓN CON SUJETOS SANOS (=50 AÑOS DE EDAD) QUE RECIBEN 1 DOSIS COMO CONTROL. PI: ANA ISABEL SÁNCHEZ FRUCTUOSO.

ECL.23/673. ESTUDIO EN FASE IV, ABIERTO, ALEATORIZADO, DEL USO CONTINUADO DE CICLOSILICATO DE SODIO Y ZIRCONIO (CSZ) DESPUÉS DEL ALTA HOSPITALARIA EN PARTICIPANTES CON NEFROPATÍA CRÓNICA TRATADOS POR HIPERPOTESEMIA. AN OPEN-LABEL, RANDOMISED, PHASE 4 STUDY OF CONTINUING SODIUM ZIRCONIUM CYCLOSILICATE (SZC) AFTER DISCHARGE IN PARTICIPANTS WITH CHRONIC KIDNEY DISEASE TREATED FOR HYPERKALAEMIA. PI: MARTA CALVO AREVALO.

IIIA.9

Infectious Diseases/HIV

NON COMPETITIVE FUNDING

ECL.20/647. SEROCONVERSIÓN DE PACIENTES CON PCR POSITIVA PARA SARS-CoV-2 EN POBLACIÓN PEDIÁTRICA. PI: JOSE TOMAS RAMOS AMADOR.

ECL.22/166. RESPUESTA INMUNOLÓGICA TRAS VACUNACIÓN FRENTE SARS-COV-2 EN NIÑOS MENORES DE 12 AÑOS: COMPARACIÓN ENTRE PACIENTES CON INFECCIÓN VIH Y NIÑOS INMUNOCOMPETENTES. PI: JOSE TOMAS RAMOS AMADOR.

IIIA.12

Immunology

COMPETITIVE FUNDING

FI20/00246. CONTRATO PFIS: SUBHI-ISSA MARIN, NABIL ALBERTO. PI: SILVIA SÁNCHEZ RAMÓN.

JR22/00018. Contrato Juan Rodés - Kissy Guevara Hoyer. PI: KISSY ANNET MARÍA GUEVARA HOYER.

NON COMPETITIVE FUNDING

SSR.M01GRI. Colaboración económica para la realización del Estudio Multicéntrico de Inmunodeficiencia Secundaria sobre la producción de anticuerpos frente a la Vacuna de Salmonella Typhi (SIMPATYH). PI: SILVIA SÁNCHEZ RAMÓN.

SSR.PHAR.23. Financiación del estudio “Artificial Intelligence Model for Signature Profile of Secondary Immunodeficiency to B-Cell Lymphoproliferative Disorders for Early Diagnosis and Tailored Therapies”. PI: SILVIA SÁNCHEZ RAMÓN.

ECL.19/478. ADVANCING ON PRECISION MEDICINE IN THE RECURRENT GESTATIONAL FAILURE OF INFLAMMATORY CAUSE- . AVANCES EN ME-

DICINA DE PRECISIÓN EN FALLO GESTACIONAL RECURRENTE DE ORIGEN INFLAMMATARIO. PI: SILVIA SÁNCHEZ RAMÓN.

SSR.M01TAK. Colaboración económica para la realización del estudio Biomarcadores de la respuesta a la terapia de reemplazo con Inmunoglobulinas en pacientes con malignidad hematológica. Evaluación del efecto de la terapia de reemplazo con Ig sobre la susceptibilidad a infecciones, progresión tumoral y calidad de vida. PI: SILVIA SÁNCHEZ RAMÓN.

ECL.23/066. ESTUDIO DE FASE III, PROSPECTIVO, ALEATORIZADO, DOBLE CIEGO Y CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE PANZYGA EN LA PROFILAXIS PRIMARIA DE LA INFECCIÓN EN PACIENTES CON LEUCEMIA LINFOCÍTICA CRÓNICA (ESTUDIO «PRO-SID»). PI: SILVIA SÁNCHEZ RAMÓN.

SSR.M02GRI. Colaboración económica para la realización por la IP/Promotor del Proyecto “Smart-Cvid: Smart Health Care Quality Of Life Tool In Common Variable Immunodeficiency”. PI: SILVIA SÁNCHEZ RAMÓN.

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

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: BLANCA RENESES PRIETO.

ECL.20/706. ESTUDIO LONGITUDINAL DE UNA COHORTE DE PRIMEROS EPISODIOS PSICÓTICOS (COHORTE COPEP-CIBERSAM). PI: DAVID FRAGUAS HERRAEZ.

NEC.2

Advanced Research in Personality Disorders, Aggression and Impulse Control

COMPETITIVE FUNDING

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: MARINA FRANCISCA DÍAZ MARSÁ.

PI20/01471. Investigación de la asociación fenotípica y endofenotípica del trastorno límite de la personalidad y los trastornos del espectro autista. PI: JOSÉ LUIS CARRASCO PERERA.

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: MARINA FRANCISCA DÍAZ MARSÁ.

NON COMPETITIVE FUNDING

ECL.19/394. SUICIDE PREVENTION AND INTERVENTION (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 controlados anidados de programas de prevención secundaria para intentos de suicidio. PI: MARINA FRANCISCA DÍAZ MARSÁ.

ECL.23/071. AMBIENTE Y GENES EN ESQUIZOFRENIA (AGES-CM 3). PI: MARINA FRANCISCA DÍAZ MARSÁ.

NEC.3

Psychoneuroendocrinology, Molecular Neuroimaging and Genetics in Neuropsychiatric Diseases

COMPETITIVE FUNDING

HORIZON-INFRA-2021-TECH-01 101058516. EBrain-Health: Actionable Multilevel Health Data. PI: FERNANDO MAESTU / PETRA RITTER. Funding organisation: Unión Europea.

National Institute of Health-1RF1A G079324-01. Digital Biomarkers for Vascular Cognitive Decline in Patients with Minor Stroke. PI: FERNANDO MAESTU / ELISABETH MARSH. Funding organisation: NIH.

National Institute of Health PAR-19-070-RO1. Digital Technology for Early Detection of Alzheimer's Disease and Related Dementias. PI: FERNANDO MAESTU / JOHN MOSHER. Funding organisation: NIH.

Collaborative Research in Computational Neuroscience (CRCNS). Interpreting MEG Biomarkers of Alzheimer's Progression with Human Neocortical Neurosolver. PI: FERNANDO MAESTU / STEPHANIE JONES. Funding organisation: European Union – National Science Foundation (USA) (NIH).

PID2021-122979OB-C21. Eficacia de la intervención combinada en cognición y neuromodulación en familiares de EA y ancianos con QSC (CogNe). PI: FERNANDO MAESTU. Funding organisation: Ministerio de ciencia.

NEC.6

Neurological Diseases

COMPETITIVE FUNDING

SCS.CPP.22. Contratos de personal investigador predoctoral 2022: Irene García Toledo. PI: SILVIA CORROCHANO SÁNCHEZ.

SCS.TALENTO.22. Talento Quinto Año - Silvia Corrochano. PI: SILVIA CORROCHANO SÁNCHEZ.

JMG.YEI.21. Ayudas para la Contratación de Ayudantes de Investigación y Técnicos de Laboratorio 2021. PI: JORGE MATÍAS-GUIU GUIA.

ICI20/00074. AMANTADINA Y ESTIMULACIÓN MAGNÉTICA TRANSCRANEAL PARA FATIGA EN LA ESCLEROSIS MÚLTIPLE: ENSAYO FASE III, CONTROLADO, RANDOMIZADO, CRUZADO Y DOBLE CIEGO. PI: JORGE MATÍAS-GUIU GUIA.

PI21/01614. PET para el estudio de la mielina en la esclerosis múltiple. PI: MARIA NIEVES CABRERA MARTIN.

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: ULISES ALFONSO GÓMEZ PINEDO.

CD22/00043. Contrato Sara Borrell - María Díez Cirarda. PI: JORDI MATÍAS-GUIU ANTEM.

NON COMPETITIVE FUNDING

ECL.19/126. Evaluación neuropsicológica transcultural. Adaptación, normalización y validación de instrumentos neuropsicológicos transculturales para la evaluación del rendimiento cognitivo. PI: JORDI MATÍAS-GUIU ANTEM.

ECL.23/350. UN ESTUDIO ALEATORIZADO, DOBLE CIEGO Y CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA, SEGURIDAD Y TOLERABILIDAD DE LA GANAXOLONA POR VÍA INTRAVENOSA COMO TRATAMIENTO COMPLEMENTARIO AL TRATAMIENTO DE REFERENCIA DEL ESTADO EPILEPTICO REFRACTARIO. PI: IRENE GARCÍA MORALES.

ECL.21/207. PET PARA EL ESTUDIO DE LA MIELINA EN LA ESCLEROSIS MÚLTIPLE. PI: MARIA NIEVES CABRERA MARTIN.

ECL.22/541. ESTUDIO DE LOS FACTORES PREDICTORES DE EVOLUCIÓN MEDIANTE LA APLICACIÓN DE LA INTELIGENCIA ARTIFICIAL EN LA AMILOIDOSIS HEREDITARIA POR TRANSTIRRETINA (ATTRV). PI: LAURA MARTÍNEZ VICENTE.

ECL.22/541. ESTUDIO DE LOS FACTORES PREDICTORES DE EVOLUCIÓN MEDIANTE LA APLICACIÓN DE LA INTELIGENCIA ARTIFICIAL EN LA AMILOIDOSIS HEREDITARIA POR TRANSTIRRETINA (ATTRV). PI: LAURA MARTÍNEZ VICENTE, ALEJANDRO HORGA HERNÁNDEZ.

FI20/00145. CONTRATOS PFIS: MARIA VALLES SALGADO. PI: JORDI MATÍAS-GUIU ANTEM.

PI22/00677. ENSAYO CLINICO RANDOMIZADO Y DOBLE CIEGO DE ESTIMULACION MAGNETICA TRANSCRANEAL A LARGO PLAZO EN LA AFASIA PROGRESIVA PRIMARIA (RECONNECT-PPA). PI: JORDI MATÍAS-GUIU ANTEM.

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: SILVIA CORROCHANO SÁNCHEZ.

SEP.MICINN.21. Desarrollo de tecnologías para farmacocinética no invasiva en medicina nuclear. PI: MARIA NIEVES CABRERA MARTIN.

LMV.PFIZER.22. Colaboración económica proyecto "APPLICATION OF ARTIFICIAL INTELLIGENCE (AI) IN THE STUDY OF PREDICTIVE FACTORS OF EVOLUTION IN HEREDITARY TRANSTHYRETIN AMYLOIDOSIS (ATTRv)". PI: LAURA MARTÍNEZ VICENTE.

LMV.PFIZER.22. Colaboración económica proyecto "APPLICATION OF ARTIFICIAL INTELLIGENCE (AI) IN THE STUDY OF PREDICTIVE FACTORS OF EVOLUTION IN HEREDITARY TRANSTHYRETIN AMYLOIDOSIS (ATTRv)". PI: ALEJANDRO HORGA HERNÁNDEZ.

ECL.21/731. ENSAYO CLÍNICO RANDOMIZADO Y DOBLE CIEGO DE ESTIMULACIÓN MAGNÉTICA TRANSCRANEAL A LARGO PLAZO EN LA AFASIA PROGRESIVA PRIMARIA (RECONNECT-PPA). PI: JORDI MATÍAS-GUIU ANTEM."

ECL.22/233. ESTUDIO EN FASE 1B/2, MULTICÉNTRICO, ADAPTATIVO, CON DOBLE ENMASCARAMIENTO, ALEATORIZADO Y CONTROLADO CON PLACEBO PARA EVALUAR LA SEGURIDAD, LA TOLERABILIDAD, LA INMUNOGENICIDAD Y LOS EFECTOS FARMACODINÁMICOS DE LA ACI-24.060 EN SUJETOS CON ENFERMEDAD DE ALZHEIMER EN FASE PRODRÓMICA Y EN ADULTOS CON SÍNDROME DE DOWN (ABATE). PI: JORDI MATÍAS-GUIU ANTEM."

ECL.23/221. TIMELY DIAGNOSIS OF DEMENTIA IN MINORITY ETHNIC GROUPS IN EUROPE (TIMING). PI: JORDI MATÍAS-GUIU ANTEM.

ECL.23/484. A PHASE 2A, RANDOMIZED, PLACEBO-CONTROLLED, DOUBLE-BLIND STUDY TO INVESTIGATE REM0046127 IN MILD TO MODERATE ALZHEIMER'S DISEASE. PI: JORDI MATÍAS-GUIU ANTEM.

ECL.23/419. ESTUDIO OBSERVACIONAL DE LOS RESULTADOS Y SEGURIDAD DE LA TALAMOTOMÍA BILATERAL SOBRE VIM EN PACIENTES CON TEMBLOR ESENCIAL. PI: ROCÍO GARCÍA-RAMOS GARCÍA.

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: ROBERTO ÁLVAREZ LAFUENTE.

EUR.HHV.IDM.22. ULTRASENSITIVE DETECTION OF ANTI-HHV-6 MAJOR

CAPSID PROTEIN IGG IN MULTIPLE SCLEROSIS PATIENTS. PI: MARÍA INMACULADA DOMÍNGUEZ MOZO.

RAL.MICINN.21. Factores ambientales y sistema inmune de los pacientes con esclerosis múltiple. Una aproximación global. PI: ROBERTO ÁLVAREZ LAFUENTE.

NON COMPETITIVE FUNDING

RAG.F02LAIR. MARCADORES PRONÓSTICOS EN PACIENTES CON SÍNDROME CLÍNICAMENTE AISLADO. CONVERSIÓN EN ESCLEROSIS MÚLTIPLE DEFINIDA Y EVOLUCIÓN DE LA ENFERMEDAD. PI: ROBERTO ÁLVAREZ LAFUENTE.

RAG.F01MERCK. ANTICUERPOS NEUTRALIZANTES (AcN) EN PACIENTES CON ESCLEROSIS MÚLTIPLE TRATADOS CON INTERFERON BETA Y SU APLICACIÓN EN LA PRÁCTICA CLÍNICA DIARIA. PI: ROBERTO ÁLVAREZ LAFUENTE.

RAL.C01SAN. Colaboración 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. IP Roberto Alvarez Lafuente. PI: ROBERTO ÁLVAREZ LAFUENTE.

ECL.21/232. 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: ROBERTO ÁLVAREZ LAFUENTE.

ECL.21/268. 3TR - IDENTIFICACIÓN DE LOS MECANISMOS MOLECULARES DE LA AUSENCIA DE RESPUESTA A TRATAMIENTOS, BROTES Y REMISIÓN EN LA ESCLEROSIS MÚLTIPLE. TITLE: 3TR - IDENTIFICATION OF THE MOLECULAR MECHANISMS OF NON-RESPONSE TO TREATMENTS, RELAPSES AND REMISSION IN MULTIPLE SCLEROSIS. PI: ROBERTO ÁLVAREZ LAFUENTE.

ECL.22/011. FACTORES AMBIENTALES Y SISTEMA INMUNE DE LOS PACIENTES CON ESCLEROSIS MÚLTIPLE. UNA APROXIMACIÓN GLOBAL. PI: ROBERTO ÁLVAREZ LAFUENTE.

ECL.22/452. ESTUDIO DE LA RESPUESTA INMUNITARIA HUMORAL FRENTE A HERPESVIRUS Y DE LA TRANSACTIVACIÓN DEL RETROVIRUS ENDÓGENO HUMANO W EN PACIENTES DE ESCLEROSIS MÚLTIPLE EN TRATAMIENTO INMUNOSUPRESOR Y SU RELACIÓN CON LA RESPUESTA INMUNITARIA FRENTE A SARS-CoV2. PI: ROBERTO ÁLVAREZ LAFUENTE.

ECL.22/580. ULTRASENSITIVE DETECTION OF ANTI-HHV-6 MAJOR CAPSID PROTEIN IGG IN MULTIPLE SCLEROSIS PATIENTS. PI: MARÍA INMACULADA DOMÍNGUEZ MOZO.

NEC.9

Brain Mapping

NON COMPETITIVE FUNDING

CP21/00020. Contratos Miguel Servet: Pablo Bascuñana Almarcha. PI: PABLO BASCUÑANA ALMARCHA.

COMPETITIVE FUNDING

ECL.23/282. EVALUACIÓN DE CAMBIOS METABÓLICOS TEMPRANOS COMO BIOMARCADOR DE NEURODEGENERACIÓN. PI: PABLO BASCUÑANA ALMARCHA.

PI22/00446. Evaluación de cambios metabólicos tempranos como biomarcador de neurodegeneración. PI: PABLO BASCUÑANA ALMARCHA.

NEC.13

Neurotransmission and Neuromodulation

COMPETITIVE FUNDING

PID2020-114030RB-I00. Estrategias de rescate de la plasticidad sináptica y función cerebelar en un ratón modelo del síndrome de X frágil. PI: IP1:Magdalena Torres Molina, IP2:Ricardo Martín Herranz.

PID2023-146614OB-I00. Alteraciones de la plasticidad sináptica y función hippocampal e identificación de dianas terapéuticas en el síndrome del X frágil. PI: IP1:Ricardo Martín Herranz, IP2: Alberto Sánchez-Aguilera López.

PID2021-122723OAI00. Contribución del corte de ectodominios proteicos a la fisiopatología y tratamiento de trastornos del espectro autista. PI: María Dolores Martín de Saavedra.

UCJC 2023-10. Colesterol Nitronas para la Isquemia Cerebral y Enfermedades Neurodegenerativas. PI: IP: María Jesús Oset Gasque.

PR27/21-016. Disección del circuito hipocámpal: excitabilidad neuronal y conectividad sináptica en el eje superficial-profundo. PI: IP: Alberto Sánchez-Aguilera López.

UCJC 2022-12. Neuroactive Steroid Nitrones. PI: IP: María Jesús Oset Gasque. IP: José Luis Marco Contelles.

PID2022-138073OB-I00. Nuevas estrategias basadas en la señalización purinérgica para abordar el deterioro motor y cognitivo asociado a las proteopatías. PI: Felipe Ortega de la O.

PID2020-113270RA-I00. Cambios en proteomas de diferentes tipos celulares con la agregación de proteínas (AGGREGPROTEOSTASIS). PI: Beatriz Alvarez Castela.

PID2021-125364OB-I00. Investigando nuevas estrategias terapéuticas para tratar las Taupatías Investigating new therapeutic strategies to treat Tauopathies. PI: Miguel Díaz Hernández.

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: IMPLICACIONES DIAGNÓSTICAS Y TERAPÉUTICAS. PI: JOSÉ MARÍA MARTÍNEZ DE LA CASA FERNÁNDEZ BORRELLA.

PI22/00080. Microesferas biodegradables como estrategia innovadora para la liberación subconjuntival controlada de fármacos moduladores de la cicatrización en cirugía de glaucoma. PI: JULIÁN GARCÍA FEIJOÓ. VAN-ESSA ANDRÉS GUERRERO.

PI22/01695. ENSAYO CLÍNICO MULTICENTRICO, 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. PI: PEDRO ARRIOLA VILLALOBOS.

ECL.22/563. ESTUDIO EN FASE III MULTICÉNTRICO, ALEATORIZADO, CON DOBLE ENMASCARAMIENTO CONTROLADO CON PROCEDIMIENTO SIMULADO PARA INVESTIGAR LA EFICACIA, SEGURIDAD, FARMACOCINÉTICA Y FARMACODINÁMICA DE ROT200220 ADMINISTRADO EN INYECCIÓN INTRA-VÍTREA EN PACIENTES CON EDEMA MACULAR. PI: BORREGO SANZ, LARA.

NON COMPETITIVE FUNDING

21098. A Phase 3, Two-part (Open-label Followed by Randomized Double-masked Active Controlled) Study to Compare the Efficacy and Safety of HLX04-O Administered by Intravitreal Injection with Ranibizumab in Subjects with wet Age-related Macular Degeneration (wAMD). PI: JUAN DONATE LÓPEZ Y LORENZO LOPEZ GUAJARDO.

01-DIMS-2021. Ensayo clínico aleatorizado paralelo postcomercialización, para determinar la eficacia y seguridad de atropinay lentes dims en el control de la miopía en población pediátrica.. PI: NOEMI GÜEMES VILLAHOZ.

89-2022. PI: ANA I. RAMIREZ SEBASTIAN - JUAN J. SALAZAR.

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

ECL.20/068-R. Eficacia, seguridad y farmacocinética de 3 dosis de colirio REC 0/0559 para el tratamiento de la queratitis neurotrófica en estadio 2 (moderada) y 3 (grave) en pacientes adultos (REC 0559). PI: BENÍTEZ DEL CASTILLO SÁNCHEZ, JOSÉ MANUEL.

ECL.20/621. REGISTRO DE INFECCIONES CORNEALES ASOCIADAS AL USO DE LENTES DE CONTACTO. PI: PEDRO ARRIOLA VILLALOBOS.

ECL.21/623. CARACTERIZACIÓN DE LOS PUNTOS HIPERREFLECTIVOS COMO BIOMARCADOR EN OCT EN PATOLOGÍAS RETINIANAS. ESTUDIO CLÍNICO Y EXPERIMENTAL (CON-OCT). PI: ALICIA VALVERDE MEGÍAS.

ECL.22/381. ESTUDIO MULTICENTRICO DE GLAUCOMA QUE INVESTIGA LA CANALOPLASTIA COMO PROCEDIMIENTO ÚNICO. PI: JOSÉ MARÍA MARTÍNEZ DE LA CASA FERNÁNDEZ BORRELLA.

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 TÓPICOS Y DIAGNÓSTICO DE CATARATAS OPERABLES RELACIONADAS CON LA EDAD. PI: JULIÁN GARCÍA FEIJOÓ.

ECL.23/062. ESTUDIO CLÍNICO MULTICÉNTRICO, NO ALEATORIZADO, PARA EVALUAR LA EFICACIA Y SEGURIDAD DE UN DISPOSITIVO DE INTERPOSICIÓN CILIOESCLERAL ("CID") V2.2 EN CIRUGÍA DE GLAUCOMA. PI: JULIÁN GARCÍA FEIJOÓ.

ECL.23/176. ESTUDIO CLÍNICO POSCOMERCIALIZACIÓN PARA RECOGER DATOS SOBRE LA SEGURIDAD Y LAS PRESTACIONES DE PRODUCTOS DE JOHNSON & JOHNSON SURGICAL VISION. PI: JULIÁN GARCÍA FEIJOÓ.

ECL.23/374. ESTUDIO DE FASE III, MULTICÉNTRICO, ALEATORIZADO, CON DOBLE ENMASCARAMIENTO, CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA, SEGURIDAD, FARMACOCINÉTICA Y FARMACODINAMIA DE SATRALIZUMAB EN PACIENTES CON ORBITOPATÍA TIROIDEA DE MODERADA A SEVERA. PI: ANGEL ROMO LOPEZ."

JGF.M02ALC. Colaboración económica para la ejecución del estudio "Estabilidad y resultados visuales obtenidos por una nueva lente intraocular trifocal tórica, clareon panoptix, en cirugía de cataratas" (Código interno CEIm 22/405-O_P). PI: JULIÁN GARCÍA FEIJOÓ.

JGF.M10SANTEN. Colaboración económica (y financiación de material) para la realización del proyecto de investigación "Estudio de los niveles de citoquinas y resultado quirúrgico del implante PRESERFLO Microshunt en la cirugía de glaucoma. PI: JULIÁN GARCÍA FEIJOÓ.

JMC.M01ALL. Financiación del ESTUDIO PROSPECTIVO NO ALEATORIZADO DE CASOS CONSECUTIVOS PARA EVALUAR LA EFICACIA Y SEGURIDAD DEL IMPLANTE XEN63 EN PACIENTES SOMETIDOS A CIRUGÍA AISLADA O COMBINADA CON CIRUGÍA DE CATARATA. PI: JOSÉ MARÍA MARTÍNEZ DE LA CASA FERNÁNDEZ BORRELLA.

ECL.22/268. ESTUDIO DE FASE IIB PIVOTAL PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE IZOKIBEP EN SUJETOS CON UVEÍTIS INTERMEDIA, POSTERIOR, NO INFECCIOSA O PANUVEÍTIS (ACELYRIN INC 21103). PI: ARRIOLA VILLALOBOS, PEDRO.

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 (KC-DBM). PI: CUIÑA SARDIÑA, RICARDO.

ECL.22/723. INVESTIGACIÓN CLÍNICA MULTICÉNTRICA SOBRE EL USO DE UNA SOLUCIÓN OFTÁLMICA DE HIALURONATO SÓDICO Y GOMA XANTANA SIN CONSERVANTES PARA EL TRATAMIENTO DE LAS MOLESTIAS OCULARES, EN PARTICULAR EN CASOS DE SEQUEDAD OCULAR. PI: BURGOS BLASCO, BARBARA/MERCEDES MOLERO SENOSIAIN.

ECL.22/457. ENSAYO CLÍNICO ALEATORIZADO, DOBLE CIEGO (CON EVALUADOR CIEGO), PARALELO, PARA DETERMINAR LA EFICACIA Y SEGURIDAD DEL COLIRIO DE INSULINA EN EL TRATAMIENTO DEL OJO SECO EN PACIENTES CON HIPOTENSORES TÓPICOS. PI: BURGOS BLASCO, BARBARA.

NEC.22

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

COMPETITIVE FUNDING

EUR.M01TRECOPA. Prophylactic treatment of the ductus arteriosus in pre-term infants by acetaminophen. PI: ARACELI CORREDERA SANCHEZ.

JMO.YEI.21. Ayudas para la Contratación de Ayudantes de Investigación y Técnicos de Laboratorio 2021. PI: JOSÉ MARTÍNEZ ORGADO.

CSB.YEI.21. Ayudas para la Contratación de Ayudantes de Investigación y Técnicos de Laboratorio 2021. PI: CARMEN SOTO BEAUREGARD.

FIS.190927. LA UNIDAD NEUROVASCULAR COMO DIANA TERAPEUTICA PARA PREVENIR LAS SECUELAS DEL INFARTO ARTERIAL CEREBRAL ISQUEMICO NEONATAL EN UN MODELO EN RATA. PI: JOSÉ MARTÍNEZ ORGADO.

PI22/01016. Estudio preclínico en cerdo recién nacido de la eficacia cardioprotectora del cannabidiol para el daño miocárdico secundario a asfixia en tratamiento con hipotermia. PI: LUIS ARRUZA GÓMEZ.

NON COMPETITIVE FUNDING

EAL.M01CHI. Patrocinio del proyecto "Desarrollo de un modelo de recogida de información sanitaria relativa a los procesos de la Unidad de Hospitalización Domiciliaria Neonatal (NEO DAT)". PI: MARTA ORDAX SOLER.

JMO.M01DEC. Colaboración para la realización del proyecto "Pharmacological and safety study of the lipid emulsion of omega-3 diglycerides (THDG3) in newborn piglets". PI: JOSÉ MARTÍNEZ ORGADO.

ECL.23/133. ESTUDIO DE FASE III, SIN ENMASCARAMIENTO, DE UN ÚNICO GRUPO, MULTICÉNTRICO PARA EVALUAR LA FARMACOCINÉTICA, LA FARMACODINÁMICA, LA EFICACIA, LA SEGURIDAD Y LA INMUNOGENICIDAD DEL RAVULIZUMAB ADMINISTRADO POR VÍA INTRAVENOSA EN PARTICIPANTES PEDIÁTRICOS (DE 6 A <18 AÑOS DE EDAD) CON MIASTENIA GRAVE GENERALIZADA (MGG). PI: TERESA DE SANTOS MORENO.

ECL.20/567. Implantación de una nueva técnica quirúrgica para el tratamiento de la apendicitis aguda en niños y adolescentes en el Hospital Clínico San Carlos. Apendicectomía transumbilical videoasistida frente a laparoscopia convencional. PI: LUIS FELIPE ÁVILA RAMÍREZ.

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: RAQUEL VECINO LOPEZ.

ONC.1

Clinical and Translational Research in Oncology

COMPETITIVE FUNDING

EUR.M01NIH. BRCA1/2 and Hereditary Breast, Ovarian and Pcreatic (HBOP) Cancer Variant Curation Expert Panels. PI: MIGUEL DE LA HOYA MANTECÓN.

F120/00186. CONTRATOS PFIS: ADRIÁN SANVICENTE GARCIA. PI: ALBERTO OCAÑA FERNANDEZ.

FIS.191366. Diagnóstico molecular avanzado de la poliposis adenomatosa tipo X: análisis de mosaicismo genético. PI: PILAR GARRE RUBIO.

JGL.FMM.23. Investigación de la Microbiota en relación con la respuesta a la Inmunoterapia en pacientes afectados de Cáncer No Microcítico de Pulmón avanzado. PI: JOSÉ LUÍS GONZÁLEZ LARRIBA.

JMS.C01FIU. Estilos de vida y nutrición asociados a la Hiperplasia Benigna de Próstata. Estudio caso control de base poblacional. PI: JESÚS MORENO SIERRA.

PGR.YEI.21. Ayudas para la Contratación de Ayudantes de Investigación y Técnicos de Laboratorio 2021. PI: PILAR GARRE RUBIO.

PI20/00110. Regulación del splicing en respuesta a daños en el DNA: implicaciones clínicas en cáncer de mama y ovario hereditario. PI: MIGUEL DE LA HOYA MANTECÓN.

PI22/00916. Recuperación de la función eréctil y de la continencia urina, trasla prostatectomía radical para el tratamiento del cáncer de próstata, utilizando materiales biohíbridos. Estudio in vitro. PI: JESÚS MORENO SIERRA; JUAN GOMEZ RIVAS.

PPS.F01SEOM21. SEROCONVERSIÓN E IMPACTO INMUNOLÓGICO TRAS VACUNACIÓN CONTRA EL SARS-COV-2 EN PACIENTES CON TUMORES SÓLIDOS EN TRATAMIENTO ACTIVO. PI: PEDRO PÉREZ SEGURA.

VGB.MICINN.22. Seguimiento personalizado con biopsia líquida para monitorizar la respuesta y evolución en carcinoma de mama localmente avanzado HER+ y TN. PI: JOSÉ ÁNGEL GARCÍA SÁENZ; VANESA GARCÍA BARBERÁN.

NON COMPETITIVE FUNDING

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) (KEY-NOTE-991). PI: JAVIER PUENTE VÁZQUEZ.

ECL.20/152. ENSAYO CLÍNICO ALEATORIZADO FASE I/II DE SELINEXOR MÁS GEMCITABINA EN DETERMINADOS SARCOMAS DE PARTES BLANDAS AVANZADOS. PI: ANTONIO CASADO HERRÁEZ.

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: BEATRIZ GARCÍA PAREDES.

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). PI: ANTONIO CASADO HERRÁEZ.

ECL.20/316. RADIOTERAPIA A DOSIS BAJAS EN EL MANEJO DE LA NEUMONÍA POR COVID-19. PI: MANUEL GONZALO VÁZQUEZ MASEDO.

ECL.20/619. ESTUDIO DE IDENTIFICACIÓN DE BIOMARCADORES EN MUESTRAS SECUENCIALES DE PACIENTES CON CÁNCER RENAL. PI: JAVIER PUENTE VÁZQUEZ.

ECL.20/645. ESTUDIO DE FASE 3, ABIERTO Y ALEATORIZADO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE PEMBROLIZUMAB (MK-3475) EN COMBINACIÓN CON BELZUTIFÁN (MK-6482) Y LENVATINIB (MK-7902), O MK-1308A EN COMBINACIÓN CON LENVATINIB, EN COMPARACIÓN CON PEMBROLIZUMAB Y LENVATINIB, COMO TRATAMIENTO DE PRIMERA LÍNEA EN PARTICIPANTES CON CARCINOMA RENAL DE CÉLULAS CLARAS (CRCC) AVANZADO. PI: JAVIER PUENTE VÁZQUEZ.

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

ECL.21/488. OBSERVATIONAL STUDY TO DESCRIBE GENOTYPIC CHARACTERISTICS AND RESISTANT MUTATIONS IN NSCLC ALK+. PI: CARLOS AGUADO DE LA ROSA.

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: JOSÉ ÁNGEL GARCÍA SÁENZ.

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 (MK-7684A-007/KEYVIBE-007). PI: CARLOS AGUADO DE LA ROSA."

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: BEATRIZ GARCÍA PAREDES.

ECL.22/168. ESTUDIO PILOTO DE EVALUACIÓN DE LA EXPERIENCIA DE LOS PACIENTES ONCOLÓGICOS QUE RECIBEN INMUNOTERAPIA EN SU DOMICILIO. PI: PEDRO PÉREZ SEGURA.

ECL.22/429. STUDY OF ctDNA AS PROGNOSTIC FACTOR ON RESECTABLE STAGE IIIA NSCLC PATIENTS TREATED WITH NEOADJUVANT TREATMENT IN REAL WORLD. PI: CARLOS AGUADO DE LA ROSA.

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 (KEY-MAKER-U04): SUBESTUDIO 04A. PI: JAVIER PUENTE VÁZQUEZ.

ECL.22/601. CAMBRIA-1: A PHASE III, OPEN-LABEL, RANDOMISED STUDY TO ASSESS THE EFFICACY AND SAFETY OF EXTENDED THERAPY WITH CAMIZESTRANT (AZD9833, A NEXT GENERATION, ORAL SELECTIVE ESTROGEN RECEPTOR DEGRADER) VERSUS STANDARD ENDOCRINE THERAPY (AROMATASE INHIBITOR OR TAMOXIFEN) IN PATIENTS WITH ER+/HER2- EARLY BREAST CANCER AND AN INTERMEDIATE OR HIGH RISK OF RECURRENCE WHO HAVE COMPLETED DEFINITIVE LOCOREGIONAL THERAPY AND AT LEAST 2 YEARS OF STANDARD ADJUVANT ENDOCRINE-BASED THERAPY WITHOUT DISEASE RECURRENCE. PI: JOSÉ ÁNGEL GARCÍA SÁENZ.

ECL.22/630. ESTUDIO ALEATORIZADO TIPO PARAGUAS DE FASE 1/2 PARA EVALUAR LA SEGURIDAD Y LA EFICACIA DE PEMBROLIZUMAB MÁS ENFORTUMAB VEDOTINA (EV) EN COMBINACIÓN CON MEDICAMENTOS EN INVESTIGACIÓN FRENTE A PEMBROLIZUMAB MÁS EV COMO TRATAMIENTO DE PRIMERA LÍNEA PARA PARTICIPANTES CON CARCINOMA UROTELIAL AVANZADO (KEYMAKER-U04): SUBESTUDIO 04B. PI: JAVIER PUENTE VÁZQUEZ.

ECL.22/680. ESTUDIO EPIDEMIOLÓGICO OBSERVACIONAL DESCRIPTIVO SOBRE LAS CARACTERÍSTICAS DEL CÁNCER DE TIROIDES EN PACIENTES ATENDIDOS EN SERVICIOS DE ONCOLOGÍA DE CENTROS ESPAÑOLES: REGISTRO NACIONAL DE CÁNCER DE TIROIDES – DIFERENCIADO, MEDULAR Y ANAPLÁSICO. PI: GLORIA MARQUINA OSPINA.

ECL.22/710. ENSAYO CLÍNICO DE FASE II PARA ESTUDIAR LA EFICACIA Y SEGURIDAD DE PEMBROLIZUMAB (MK-3475) Y PEMBROLIZUMAB EN COMBINACIÓN CON OTROS AGENTES EN INVESTIGACIÓN EN SUJETOS CON

CÁNCER DE VÉJIGA NO MÚSCULO-INVASIVO (CVNMI) DE ALTO RIESGO QUE NO RESPONDEN A TERAPIA CON BACILO CALMETTE-GUÉRIN (BCG). PI: JAVIER PUENTE VÁZQUEZ.

ECL.22/711. ENSAYO DE FASE I/II MULTICÉNTRICO Y ABIERTO QUE EVALÚA LA SEGURIDAD, TOLERABILIDAD Y EFICACIA DE MORAB-202, UN CONJUGADO ANTICUERPO-FÁRMACO (ADC) DIRIGIDO A RECEPTORES ALFA DE FOLATO (FR?), EN PACIENTES CON DETERMINADOS TIPOS DE TUMORES. PI: ANTONIO CASADO HERRÁEZ.

ECL.22/736. MULTICENTER, RANDOMIZED, NON-DRUG RELATED STUDY TO EVALUATE THE IMPACT OF LIFESTYLE CHANGES IN PATIENTS WITH METASTATIC HORMONE SENSITIVE PROSTATE CANCER (PROSFIT). PI: JAVIER PUENTE VÁZQUEZ; JUAN GOMEZ RIVAS.

ECL.23/008. IDENTIFICACIÓN Y VALIDACIÓN DE FIRMAS GENÓMICAS PREDICTIVAS DE RESPUESTA A INMUNOTERAPIA EN CÁNCER DE MAMA Y MELANOMA. PI: ALBERTO OCAÑA FERNÁNDEZ.

ECL.23/019. ESTUDIO DE FASE IIIB, MULTICÉNTRICO, ABIERTO Y DE UN SOLO GRUPO DE DURVALUMAB Y TREMELIMUMAB COMO TRATAMIENTO DE PRIMERA LÍNEA EN PARTICIPANTES CON CARCINOMA HEPATOCELULAR AVANZADO (SIERRA). PI: BEATRIZ GARCÍA PAREDES.

ECL.23/052. ESTUDIO ALEATORIZADO Y ABIERTO DE FASE 3 EN EL QUE SE COMPARA TARLATAMAB CON EL TRATAMIENTO ESTÁNDAR EN SUJETOS CON CÁNCER DE PULMÓN MICROCÍTICO EN RECAÍDA DESPUÉS DE RECIBIR QUIMIOTERAPIA DE PRIMERA LÍNEA BASADA EN PLATINO (DELLPHI-304). PI: JOSÉ LUÍS GONZÁLEZ LARRIBA.

ECL.23/073. ESTUDIO MULTICÉNTRICO, ABIERTO, DE FASE I/II DE EOS884448 EN COMBINACIÓN CON EL TRATAMIENTO ESTÁNDAR Y/O TERAPIAS EXPERIMENTALES EN PARTICIPANTES CON TUMORES SÓLIDOS AVANZADOS. PI: JORGE BARTOLOMÉ ARCILLA.

ECL.23/074. ESTUDIO FASE III DE POST-NEOADYUVANCIA QUE EVALÚA SACITUZUMAB GOVITECAN, UN ANTICUERPO CONJUGADO, EN PACIENTES CON CÁNCER PRIMARIO DE MAMA HER2 NEGATIVO CON ALTO RIESGO DE RECAÍDA TRAS EL TRATAMIENTO NEOADYUVANTE ESTÁNDAR - SASCIA. PI: FERNANDO MORENO ANTÓN.

ECL.23/102. ESTUDIO INTERNACIONAL DE VALIDACIÓN DE LA BIOPSIA DEL GANGLIO CENTINELA EN EL CÁNCER DE CUELLO UTERINO PRECOZ. PI: ANTONIO CASADO HERRÁEZ.

ECL.23/123. ENSAYO EN FASE III, ALEATORIZADO, ABIERTO DE DATO-DXD MÁS PEMBROLIZUMAB FRENTE A PEMBROLIZUMAB EN MONOTERAPIA EN PACIENTES SIN TRATAMIENTO PREVIO CON CÁNCER DE PULMÓN NO MICROCÍTICO AVANZADO O METASTÁSICO CON PD-L1 ALTO (PPT ≥50 %) SIN ALTERACIONES GENÓMICAS SUSCEPTIBLES DE SER DIANAS TERAPÉUTICAS (TROPION-LUNG08). PI: JOSÉ LUÍS GONZÁLEZ LARRIBA.

ECL.23/167. INVESTIGACIÓN DE LA MICROBIOTA EN RELACIÓN CON LA RESPUESTA A LA INMUNOTERAPIA EN PACIENTES AFECTADOS DE CÁNCER NO MICROCÍTICO DE PULMÓN AVANZADO. PI: JOSÉ LUÍS GONZÁLEZ LARRIBA.

ECL.23/193. PRIMARY PULMONARY SARCOMA (PPS). PI: GLORIA MARQUINA OSPINA.

ECL.23/208. ESTUDIO DISTRIBUIDO AL AZAR, DOBLEMENTE CIEGO, MULTICÉNTRICO, DE FASE III DE AK12 O PLACEBO COMBINADO CON PEMTRETREXED Y CARBOPLATINO EN PACIENTES CON CÁNCER DE PULMÓN DE CÉLULAS NO PEQUEÑAS (NSCLC, POR SU SIGLA EN INGLÉS) LOCALMENTE AVANZADO O METASTÁSICO NO ESCAMOSO CON MUTACIÓN DEL RECEPTOR DEL FACTOR DE CRECIMIENTO EPIDÉRMICO (EGFR, POR SU SIGLA EN INGLÉS) QUE NO RESPONDIERON AL TRATAMIENTO CON INHIBIDORES DE LA TIROSINA CINASA (TKI, POR SU SIGLA EN INGLÉS) DEL EGFR (HARMONI). PI: JOSÉ LUÍS GONZÁLEZ LARRIBA.

ECL.23/212. ANÁLISIS DE POLIMORFISMOS DE UGT1A1 Y RIESGO DE TOXICIDAD POR TRASTUZUMAB-DERUXTECAN. PI: ALFONSO LÓPEZ DE SÁ LORENZO.

ECL.23/215. ESTUDIO EN FASE II, MULTICÉNTRICO Y SIN ENMASCARAMIENTO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE LA MONOTERAPIA CON OLAPARIB Y LA COMBINACIÓN DE OLAPARIB JUNTO CON DURVALUMAB COMO TRATAMIENTO NEOADYUVANTE EN PACIENTES CON MUTACIONES BRCA Y CÁNCER DE MAMA HER2 NEGATIVO EN FASE TEMPRANA (OLYMPIAN). PI: JOSÉ ÁNGEL GARCÍA SÁENZ.

ECL.23/238. ESTUDIO EN FASE II ABIERTO DE SACITUZUMAB GOVITECAN EN EL CANCER UROTELIAL METASTASICO O LOCALMENTE AVANZADO IR-RESECABLE. PI: JAVIER PUENTE VÁZQUEZ.

ECL.23/241. HEALTH-RELATED QUALITY OF LIFE MEASUREMENT STRATEGY FOR SOLID RARE CANCERS. PI: GLORIA MARQUINA OSPINA.

ECL.23/248. ESTUDIO DE FASE III, ALEATORIZADO, ABIERTO, DE SACITUZUMAB GOVITECAN FRENTE AL TRATAMIENTO DE ELECCIÓN DEL MÉDICO EN PACIENTES CON CÁNCER DE MAMA CON RECEPTOR HORMONAL POSITIVO (HR+)/RECEPTOR 2 DEL FACTOR DE CRECIMIENTO EPIDÉRMICO HUMANO NEGATIVO (HER2-) (HER2 IHC0 O BAJA EXPRESIÓN DE HER2 [IHC 1+, IHC 2+/ISH-] LOCALMENTE AVANZADO O METASTÁSICO, INOPERABLE, QUE HAN RECIBIDO HORMONOTERAPIA. PI: JOSÉ ÁNGEL GARCÍA SÁENZ.

ECL.23/277. ESTUDIO DE FASE III, ALEATORIZADO, DOBLE CIEGO Y CONTROLADO CON PLACEBO PARA EVALUAR ATEZOLIZUMAB Y BEVACIZUMAB, CON O SIN TIRAGOLUMAB, EN PACIENTES CON CARCINOMA HEPATOCELULAR LOCALMENTE AVANZADO O METASTÁSICO NO TRATADO. PI: JAVIER SASTRE VALERA.

ECL.23/316. ESTUDIO DE FASE 3, ALEATORIZADO, ABIERTO, MULTICÉNTRICO DE ARV-471 (PF-07850327) MÁS PALBOCICLIB EN COMPARACIÓN CON LETROZOL MÁS PALBOCICLIB PARA EL TRATAMIENTO DE PARTICIPANTES CON CÁNCER DE MAMA CON RECEPTOR ESTROGÉNICO POSITIVO Y HER2 NEGATIVO QUE NO HAN RECIBIDO NINGÚN TRATAMIENTO ANTINEOPLÁSICO SISTÉMICO PREVIO PARA LA ENFERMEDAD AVANZADA (VERITAC-3). PI: FERNANDO MORENO ANTÓN.

ECL.23/326. ESTUDIO DE FASE II, INTERVENCIONISTA, ABIERTO, MULTICÉNTRICO, ALEATORIZADO, DE FULVESTRANT CON O SIN SAMURACICLIB EN PARTICIPANTES CON CÁNCER DE MAMA METASTÁSICO O LOCALMENTE AVANZADO, POSITIVO PARA RECEPTORES HORMONALES Y NEGATIVO PARA EL RECEPTOR 2 DEL FACTOR DE CRECIMIENTO EPIDÉRMICO HUMANO. PI: FERNANDO MORENO ANTÓN.

ECL.23/343. ESTUDIO ABIERTO EN FASE IB/II DE SAMURACICLIB EN COMBINACIÓN CON ELACESTRANT EN PACIENTES CON CÁNCER DE MAMA METASTÁSICO O LOCALMENTE AVANZADO CON RECEPTOR HORMONAL POSITIVO Y RECEPTOR DEL FACTOR DE CRECIMIENTO EPIDÉRMICO HUMANO 2 NEGATIVO. PI: JOSÉ ÁNGEL GARCÍA SÁENZ.

ECL.23/356. DESARROLLO Y VALIDACIÓN DE UN CUESTIONARIO DE DETECCIÓN DE MALESTAR PSICOLÓGICO (PROM) PARA SUJETOS CON CÁNCER DE PRÓSTATA: ESTUDIO OBSERVACIONAL Y TRANSVERSAL (HRQOL CAP). PI: MANUEL GONZALO VÁZQUEZ MASEDO.

ECL.23/365. ESTUDIO DE SEGURIDAD POSAUTORIZACIÓN DE FASE IV PARA INVESTIGAR LA SEGURIDAD A LARGO PLAZO DE LUTECIO (177Lu) VIPIVOTIDA TETRAXETANO EN PARTICIPANTES ADULTOS CON CÁNCER DE PRÓSTATA. PI: JAVIER PUENTE VÁZQUEZ.

ECL.23/371. ESTUDIO DE FASE 2, ABIERTO, CON VARIOS GRUPOS, DE TISLELIZUMAB EN COMBINACIÓN CON AGENTES EN FASE DE INVESTIGACIÓN, COMO TRATAMIENTO DE PRIMERA LÍNEA EN PACIENTES CON CARCINOMA EPIDERMÓIDE DE CABEZA Y CUELLO RECURRENTE O METASTÁSICO. PI: SANTIAGO CABEZAS CAMARERO.

ECL.23/424. ESTUDIO DE FASE 2 MULTICÉNTRICO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE CETUXIMAB EN COMBINACIÓN CON ENCORAFENIB Y BINMETINIB COMO TRATAMIENTO DE INDUCCIÓN EN EL CÁNCER COLORRECTAL AVANZADO INICIALMENTE RESECABLE O POTENCIALMENTE RESECABLE CON MUTACIÓN BRAF (V600E) Y MSS: ESTUDIO CEBBRA. PI: JAVIER SASTRE VALERA.

ECL.23/451. PRIMER ESTUDIO EN HUMANOS DE STX-478, UN INHIBIDOR SELECTIVO DE MUTACIONES DE PI3Ka, UTILIZADO EN MONOTERAPIA Y EN COMBINACIÓN CON OTROS AGENTES ANTINEOPLÁSICOS EN PARTICIPANTES CON TUMORES SÓLIDOS AVANZADOS. PI: JORGE BARTOLOMÉ ARCILLA.

ECL.23/468. OBSERVATIONAL STUDY FOR THE EXPLORATION OF NTRK1/2/3 GENE REARRANGEMENTS IN LOCALLY ADVANCED OR METASTATIC SOFT TISSUE SARCOMAS. PI: GLORIA MARQUINA OSPINA.

ECL.23/474. ENSAYO DE FASE I-II DE SUNITINIB Y/O NIVOLUMAB MÁS QUIMIOTERAPIA EN SARCOMAS AVANZADOS DE TEJIDOS BLANDOS Y ÓSEOS. PI: ANTONIO CASADO HERRÁEZ.

ECL.23/530. ESTUDIO EN FASE III ALEATORIZADO DE DATOPOTAMAB DERUXTECAN (DATO-DXD) Y PEMBROLIZUMAB, CON O SIN QUIMIOTERAPIA CON PLATINO, EN SUJETOS SIN TRATAMIENTO PREVIO PARA CÁNCER DE PULMÓN AVANZADO O METASTÁSICO CON TPS PD-L1. PI: JOSÉ LUIS GONZÁLEZ LARRIBA.

ECL.23/569. ESTUDIO CLÍNICO DE FASE 2, ALEATORIZADO, DOBLE CIEGO Y COMPARATIVO CON PLACEBO Y CON TRATAMIENTO ACTIVO, DE V940 (MRNA-4157) ADYUVANTE MÁS PEMBROLIZUMAB EN COMPARACIÓN CON UN PLACEBO ADYUVANTE MÁS PEMBROLIZUMAB EN PARTICIPANTES CON CARCINOMA UROTELIAL CON INVASIÓN MUSCULAR DE ALTO RIESGO TRAS UNA RESECCIÓN RADICAL. PI: JAVIER PUENTE VÁZQUEZ.

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 datos de pacientes". PI: JAVIER PUENTE VÁZQUEZ.

JPV.F01MER. Financiación proyecto "proyecto Reingeniería del proceso asistencial de pacientes con cáncer de vejiga en el Hospital Clínico San Carlos". PI: JAVIER PUENTE VÁZQUEZ.

PPS.C01BRI. Colaboración económica para la ejecución del proyecto "ESTUDIO PILOTO DE EVALUACIÓN DE LA EXPERIENCIA DE LOS PACIENTES ONCOLÓGICOS QUE RECIBEN INMUNOTERAPIA EN SU DOMICILIO". PI: PEDRO PÉREZ SEGURA.

ONC.2

Cancer and Obesity

COMPETITIVE FUNDING

AGB.AEC.23. VOLUMEN ESPLÉNICO COMO BIOMARCADOR DE DAÑO HEPÁTICO TRAS QUIMIOTERAPIA EN METÁSTASIS HEPÁTICAS DE CÁNCER COLORRECTAL (BioVes). PI: ALEJANDRA GARCIA BOTELLA.

NON COMPETITIVE FUNDING

ECL.23/214. VOLUMEN ESPLÉNICO COMO BIOMARCADOR DE DAÑO HEPÁTICO TRAS QUIMIOTERAPIA EN METÁSTASIS HEPÁTICAS DE CÁNCER COLORRECTAL (BioVes). PI: ALEJANDRA GARCIA BOTELLA.

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: FLORENTINO HERNANDO TRANCHO.

FIS.190073. Obesidad, microbiota y función telomérica en cáncer. Relevancia de la microbiota en el eje intestino-pulmón. PI: M^a PILAR INIESTA SERANO; ANTONIO JOSÉ TORRES GARCÍA.

ECL.19/549. Obesidad, Microbiota y Función Telomérica en Cáncer. Relevancia de la Microbiota intestinal en el eje intestino-pulmón. PI: ANTONIO JOSÉ TORRES GARCÍA.

ECL.23/049. ESTUDIO CLÍNICO MULTICÉNTRICO, PROSPECTIVO, ALEATORIZADO BASADO EN UN REGISTRO 'REAL-WORLD' PARA EVALUAR LA

FRECUENCIA DE LAS COMPLICACIONES TRAS UNA LAPAROSCOPIA O LAPAROTOMIA DE URGENCIA O ELECTIVA USANDO LA SUTURA NOVOSYN CHD FRENTE A LA SUTURA DE POLIGLACTINA 910 PARA EL CIERRE DE LA INCISIÓN. PI: ANTONIO JOSÉ TORRES GARCÍA.

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

APG.MICINN.22. Comprendiendo la radioterapia flash con dispositivos de tejido-on-chip y resonancia magnética mejorada con hiperpolarización: FLASHOnChip. PI: ALMUDENA PORRAS GALLO.

PID2022-137717OB-C21. Entender cómo regula C3G el metabolismo hepático y tumoral, y su impacto en el microentorno tumoral. Mediadores del efecto del C3G. PI: ALMUDENA PORRAS GALLO (Co-IP: ANGEL CUESTA MARTINEZ).

S2022-BMD-7434. plaquetario en cáncer de hígado. PI: ALMUDENA PORRAS GALLO.

PID2022-136959OB-I00. Role of the Microenvironment in the Regulation of Survival, Latency, and Reactivation of Disseminated Tumor Cells. PI: BRAGADO DOMINGO PALOMA.

PID2020117650RAI00. Using CRISPR/Cas9 Technology to Identify New Biomarkers in Metastatic Prostate Cancer (CRISPCAN. PI: GUTIERREZ UZQUIZA ÁLVARO.

PID2021-124830OB-I00. The liver progenitor cells as target for the HGF/Met pathway alone or in crosstalk with TGF- β pathway in the intersection between liver regeneration and progression of chronic liver injury. PI: SÁNCHEZ MUÑOZ, ARÁNZAZU (Co-ip: BLANCA HERRERA GONZÁLEZ).

ONC.5

Cannabinoid Signaling in Tumor Cells

COMPETITIVE FUNDING

FI22/00233. Contrato PFIS: "Elena Tovar Ambel". PI: GUILLERMO VELASCO DÍEZ.

PI21/00343. Hacia el Desarrollo de terapias individualizadas en gliomas basadas en el bloqueo del eje MDK/ALK y la utilización de cannabinoides. PI: GUILLERMO VELASCO DÍEZ.

FJC.21/047424. Contrato Juan de la Cierva - Formación: "Angélica Martínez López". PI: GUILLERMO VELASCO DÍEZ.

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: GUILLERMO VELASCO DÍEZ.

ONC.6

Women's Health Research Group

NON COMPETITIVE FUNDING

ECL.21/009. ESTILO DE VIDA Y FACTORES PREDICTIVOS DE AUMENTO PONDERAL EN PACIENTES CON CÁNCER DE MAMA. PI: JUANA MARIA BRENES SANCHEZ.

ECL.21/029. 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 METASTASIS FROM PATIENTS WITH BREAST CANCER: A STRATEGY FOR ITS DEACTIVATION. PI: MARIA JOSEFA HERRERA DE LA MUELA."

ECL.21/201. IMPLICACIONES PSICOLÓGICAS DE LAS CIRUGÍAS REDUCTORAS DE RIESGO EN PROCESOS ONCOLÓGICOS DE CÁNCER HEREDOFAMILIAR. PI: M^a EUGENIA OLIVARES CRESPO.

ECL.21/460. PROYECTO DE MEJORA DE LA EXPERIENCIA DE LAS PACIENTES CON CÁNCER DE MAMA MEDIANTE CODISEÑO BASADO EN LA EXPERIENCIA. PI: MARIA JOSEFA HERRERA DE LA MUELA.

ECL.22/003. IMPACTO DEL COVID-19 EN LA ATENCIÓN SANITARIA Y EL RIESGO DE CÁNCER DE CÉRVIX EN MADRID, ESPAÑA. PI: IGNACIO CRISTOBAL GARCÍA.

ECL.23/188. ESTUDIO GLI-112: EVALUACIÓN DE LA EFICACIA DE LA COMBINACIÓN DE GLIZIGEN® SOLUCIÓN ORAL 1/DÍA Y GEL VAGINAL 1/NOCHE DURANTE 2 MESES EN PACIENTES CON NEOPLASIAS INTRAEPITELIALES CERVICALES DE GRADO 1 (LSIL/CIN-1) CAUSADAS POR VIRUS DEL PAPILOMA HUMANO DE ALTO RIESGO (VPH-AR). PI: PLUVIO JESÚS CORONADO MARTÍN.

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: IGNACIO CRISTOBAL GARCÍA.

T69_23R. INGENIERÍA Y CIENCIA DE DATOS APLICADA. PI: RICARDO SAVIRÓN CORNUDELLA.

TEC.1

Cell-biomaterial Interactions (BIO UCM)

COMPETITIVE FUNDING

NeuroStimSpinal, Referencia 829060. A step forward to spinal cord injury repair using innovative stimulated nanoengineered scaffolds". PI: María Teresa Portolés Pérez. Funding organisation: European Union.

Nano & Niche. Biocerámicas nanoestructuradas con aplicaciones en infección ósea y neoplasia hematológica. PI: Daniel Arcos Navarrete / Isabel Izquierdo Barba. Funding organisation: Ministerio de Ciencia e Innovación.

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TEC.2

Organ and tissue on chip group and In-Vitro detection

COMPETITIVE FUNDING

PT23/00167. Red de biobancos y biomodelos del ISCII. PI: Luis Ortega Medina.

ind2023/IND2023/BMD-28229. CONVOCATORIA DE AYUDAS PARA LA REALIZACIÓN DE DOCTORADOS INDUSTRIALES EN LA COMUNIDAD DE MADRID (CM). PI: Miguel Holgado Bolaños.

TEC.3

Pharmaceutical Innovation in Ophthalmology

COMPETITIVE FUNDING

MSCA-ITN (Marie Slowdowska-Curie Innovation Training Network). ORBITAL (Ocular Research By Integrated Training and Learning) network (EU813440). PI: ROCÍO HERRERO VANRELL. Funding organisation: UNIÓN EUROPEA.

MSCA-RISE-2016 3D NEONET. (Drug Discovery and Delivery NETWORK for ONcology and Eye Therapeutics. Grant Agreement # 734907. PI: ROCÍO HERRERO VANRELL. Funding organisation: UNIÓN EUROPEA.

PR38/21-17. ANTICIPACIÓN Y PREVENCIÓN DE COVID-19 EN LA COMUNIDAD DE MADRID. PI: ROCÍO HERRERO VANRELL. Funding organisation: COMUNIDAD DE MADRID, FONDO EUROPEO DE DESARROLLO REGIONAL UNIÓN EUROPEA.

PID2020-113281RB-C21. Diseño y evaluación de microesferas biodegradables y multidiana para la terapia del glaucoma. PI: INVESTIGADOR PRINCIPAL HERRERO VANRELL, ROCÍO COINVESTIGADOR PRINCIPAL BRAVO OSUNA IRENE.

TEC.4

Biomaterials and Regenerative Medicine

COMPETITIVE FUNDING

GGT.YEI.21. Ayudas para la Contratación de Ayudantes de Investigación y Técnicos de Laboratorio 2021. PI: GUSTAVO VÍCTOR GUINEA TORTUERO.

101099719. THOR - building vascular networks and Blood-Brain-Barriers through a Biomimetic manufacturing Technology for the fabrication of Human tissues and Organs. PI: PÉREZ RIGUEIRO, JOSÉ.

P2022/BMD-7236. Madrid Innovative Neurotech Alliance (MINA-CM). PI: GUINEA TORTUERO, GUSTAVO VÍCTOR.

IND2023/BMD-28865. Modulación de la inflamación a través de la estimulación del nervio vago, combinada con la inyección intracerebral de células madre mesenquimales encapsuladas en fibroína de seda, para terapia de ictus isquémico. PI: GUINEA TORTUERO, GUSTAVO VÍCTOR.

101130454. ISOS - Implantable Ecosystems of Genetically Modified Bacteria for the Personalized Treatment of Patients with Chronic Diseases. PI: GUINEA TORTUERO, GUSTAVO VÍCTOR.

MUTUA-2023. Augmentación biológica de la reparación quirúrgica de las roturas crónicas del manguito rotador mediante fibroína de seda con doble funcionalización. PI: ROJO PÉREZ, FRANCISCO JAVIER.

PID2020-116403RB-I00. Modulación de la respuesta a biomateriales de titanio funcionalizados/ Modulation of the response to functionalized titanium biomaterials MODBIOMAT. PI: PÉREZ RIGUEIRO, JOSÉ.

101131612. Novel Biophysical Tools to Measure Multiple Parameters In The Same Cell (SameMultiPhys). PI: PLAZA BAONZA, GUSTAVO RAMÓN.

P2018/NMT-4443. Nuevas Tecnologías Aplicadas al Estudio de Nanomáquinas Biológicas Tec4Bio-CM. PI: PLAZA BAONZA, GUSTAVO RAMÓN.

GGT.YEI.21. Ayudas para la Contratación de Ayudantes de Investigación y Técnicos de Laboratorio 2021. PI: GUSTAVO VÍCTOR GUINEA TORTUERO.

TEC.6

Applied Research in Neuroscience (to: Neuromodulation and Neurorepair)

COMPETITIVE FUNDING

IBF.SERMEF.23. Neurorrehabilitación dirigida con apoyo de entornos virtuales en pacientes con espasticidad tratados con toxina. PI: IDOYA BARCA FERNÁNDEZ.

NON COMPETITIVE FUNDING

ECL.23/588. NEUROREHABILITACION DIRIGIDA CON APOYO DE ENTORNOS VIRTUALES EN PACIENTES CON ESPASTICIDAD TRATADOS CON TOXINA. PI: IDOYA BARCA FERNÁNDEZ.

TEC.7

Innovation: Surgery, Pharmaceuticals and Neuroengineering

COMPETITIVE FUNDING

CGP.P01.CON.23. I Concurso "Tu idea, su salud": diploma innovador propuesta "Domotizando la adherencia". PI: CRISTINA GONZÁLEZ PÉREZ.

GIS21/00013. Contratos de gestión en investigación en salud en los IIS: MILAGROS MERINO. PI: MILAGROS MERINO FERNÁNDEZ.

NON COMPETITIVE FUNDING

ECL.20/387. Salud Individual y Colectiva, evaluación del desarrollo y aplicación de la Telefarmacia (#TeleFarmaciaHCSC #QuedateEnCasa). PI: MARIA TERESA BENITEZ GIMENEZ.

ECL.20/435. COvidMedicaTion (COMET) study; a retrospective cohort study: rationale and design. ABSTRACT ESTUDIO COMET. PI: MARIA TERESA BENITEZ GIMENEZ.

CPP2022-009935. Asistente de Inteligencia Artificial para la verificación de comprensión de consentimientos informados audiovisuales securizados con tecnología blockchain - AICIBLOCK. PI: ANDRES SEBASTIÁN SANTIAGO SAEZ.

ECL.21/175. MODELO INNOVADOR EN PACIENTES CON ENFERMEDAD INFLAMATORIA INTESITAL EN VIDA REAL MEDIANTE ATENCIÓN FARMACÉUTICA (PROYECTO MINERVA). PI: CRISTINA GONZÁLEZ PÉREZ; PI: MIGUEL ÁNGEL RODRÍGUEZ CABEZAS.

TEC.8

Radiology Research

COMPETITIVE FUNDING

JFS.CSN.22. Dosis Ocupacionales Para la Optimización en Intervencionismo Médico (DOPOIM). PI: JOSÉ MIGUEL FERNÁNDEZ SOTO.

TEC.9

Nuclear Techniques and Instrumentation in Biomedicine

COMPETITIVE FUNDING

PDC2022-133057-I00. 3PET. Software para el Uso de Coincidencias Triples en Tomografía por Emisión de Positrones. PI: Joaquín López Herraiz.

S2022/BMD-7434 ASAP-CM. ASAP-CM. Advanced Strategies and new approaches for Protontherapy. PI: Luis Mario Fraile.

UNA4CAREER-2021-ATLAS4000069474. EDISON Exploring Deformed Intruder States around Ni-68. PI: Luis Mario Fraile y Andrés Illana.

PR27/21-009. FarmaPET Farmacocinética PET no invasiva para estudios clínicos y preclínicos. PI: Samuel España y Pablo Galve Lahoz.

PID2021-126998OB-I00. FASCINA Estructura nuclear y aplicaciones con centelleadores rápidos. PI: Luis Mario Fraile y Joaquín López Herraiz.

PLEC2022-009256. FLASHonChip Comprendiendo la radioterapia flash con dispositivos de tejido-en-chip y resonancia magnética mejorada con hiperpolarización. PI: Daniel Sánchez Parcerisa e Irene Marco (IBEC).

RED2022-134749-T - TOMAS RAUL RODRIGUEZ. FNUC Red Temática de Física Nuclear. PI: Tomás Rodríguez.

964644 GAMMA-MRI. Gamma-MRI: The future of molecular imaging. PI: Luis Mario Fraile.

PR38/23 HISTARS (MRR). HISTARS-MRR · Desarrollo de proyectos en el ámbito experimental de la física de partículas y nuclear, asociados a grandes experimentos en el CERN. PI: Luis Mario Fraile.

IND2023/BMD-28275. Reducción de dosis durante procedimientos de imagen médica de fluoroscopia de rayos X mediante técnicas de inteligencia artificial. PI: Joaquín López Herraiz.

PID2022-137114OA-I00. INVENTOR. Exploración in vivo de la respuesta tisular a la radiación. PI: Paula B. Ibañez y Maily Pérez Liva.

1RQ1EB033000-01A1 MULTICOLORPET. MULTICOLOR PET · Multicolor PET to interrogate cancer biology. PI: Joaquín López Herraiz.

PID2021-127890NB-I00. NEPTUNE. PI: Tomás Rodríguez.

PID2021-127098NA-I00. NEUMOCA. Nuevo método de implementación de modelos de interacción de neutrinos en generadores de eventos Monte Carlo. PI: Raúl González-Jiménez.

NON COMPETITIVE FUNDING

GMV Soluciones Globales Internet, SAU (38-2023). Asesoramiento sobre cálculo de dosis y espacios de fase en radioterapia intraoperatoria de electrones. PI: José Manuel Udías.

MASSACHUSETTS GENERAL HOSPITAL (466/2020). Consortium Agreement between The General Hospital Corporation Massachusetts General Hospital and Complutense University of Madrid. PI: José Manuel Udías.

CPP2021-008751. NewMBI. Nueva Generación de Dispositivos de Imagen Molecular en Mama. PI: José Manuel Udías.

TED2021-129933B-C21. NINPHA. Desarrollo de tecnologías para farmacocinética no invasiva en medicina nuclear. PI: Samuel España.

FEI21/13. Phase space generator from dose data. PI: José Manuel Udías.

PR27/21-014. Protonterapia FLASH (pFLASH). Efecto diferencial de la tasa de dosis en el daño celular en modelos celulares de cáncer de pulmón. PI: Daniel Sánchez Parcerisa.

TED2021-130592B-I00. PROTOTWIN. Plataforma de Gemelo Digital basado en Inteligencia Artificial para Protonterapia. PI: Joaquín López Herraiz y Luis Mario Fraile.

PID2021-124094OA-I00. RADFLAP. Radiobiología de la protonterapia a tasas FLASH estudiada en un modelo de cáncer de pulmón. PI: Daniel Sánchez Parcerisa.

101099096 RETIMAGER. RETIMAGER. Real Time Molecular Imager With Unsurpassed Resolution. PI: José Manuel Udías.

PID2021-127033OB-C22. SNAP-PET. Imagen ultrarrápida por emisión de positrones. PI: Samuel España y Ana Espinosa.

MIA.2021.M02.0005. TARTAGLIA. Red Federada de Inteligencia Artificial para Acelerar la Investigación Sanitaria. PI: Joaquín López Herraiz.

MSCAIF. OCTOPUS · Oncological Concurrent Tomographic Optoacoustics, Pet and UltraSonography. PI: José Manuel Udías y Maily Pérez Liva.

RYC2021-032739-I. NUEVAS METODOLOGÍAS DE IMAGEN PARA MEDICINA DE PRECISIÓN. PI: Maily Pérez Liva.

PID2021-127033OB-C22. NANORADIOTHER · Estudio físico-químico del efecto radiosensibilizador de nanoestructuras metálicas y magnéticas. PI: Samuel España.

Ayuda a la movilidad. Técnicas computacionales adaptativas en microdosimetría. PI: Paula B. Ibañez.

SEP.MICINN.21. Desarrollo de tecnologías para farmacocinética no invasiva en medicina nuclear. PI: SAMUEL ESPAÑA PALOMARES.

SEDECAL MOLECULAR IMAGING, SLU (282-2023). Incorporación de algoritmos de inteligencia artificial en la electrónica avanzada para adquisición de datos en imagen molecular. PI: José Manuel Udías.

SIEMENS: mPET for Quadra. mPET for Quadra. PI: Joaquín López Herraiz.

TEC.10

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: ANTONIO PORTOLÉS PÉREZ.

EUR.TREOCAPA CTU. Prophylactic treatment of the ductus arteriosus in preterm infants by acetaminophen- CTU. PI: ANTONIO PORTOLÉS PÉREZ.

CERT22/00046. Consorcio Estatal en Red para el desarrollo de Medicamentos de Terapias Avanzadas (CERTERA). PI: Emilio Vargas Castrillón.

PI22/01695. ENSAYO CLÍNICO MULTICENTRICO, 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. PI: COIP Antonio Portoles.

TEC-2024/BIO-307) acrónimo (BICAROBESITY-CM) Organismo Coordinador: Fundación IMDEA Alimentación. FUNCIONALIZACIÓN DE BIGELES BASADOS EN SUBPRODUCTOS DE ALGARROBA PARA LA FORMULACIÓN DE ALIMENTOS CÁRNICOS: EVALUACIÓN PRECLÍNICA Y CLÍNICA EN LA DIABESIDAD. PI: ANTONIO PORTOLÉS PÉREZ.”

NON COMPETITIVE FUNDING

ECL.21/663. PROSPECTIVE STUDY TO ESTABLISH THE IMMUNE STATUS IN THE ELDERLY AFTER RECEIVING A FULL COURSE OF VACCINATION. ENE-COVID SENIOR. PI: ANTONIO PORTOLÉS PÉREZ.

Cinnamon VH4004280. A Randomized, Double-Blind (Sponsor Unblinded), Placebo-Controlled, Study to Investigate the Antiviral Effect, Safety, Tolerability and Pharmacokinetics of VH4524184 in HIV-1 Infected Treatment Naïve Adults. PI: COIP Antonio Portoles.

2021-005738-41 (CXXB750B12201). A multi-center, randomized, double-blind, parallel-group, 20-week dose-finding study to evaluate efficacy, safety, and tolerability of XXB750 in patients with resistant hypertension. PI: COIP Antonio Portoles.

Medicina de precisión: Farmacogenética en la práctica clínica de los hospitales del SERMAS. Coordinado por Hospital Clínico San Carlos. IP coordinador: Emilio Vargas Castrillón. Medicina de precisión: Farmacogenética en la práctica clínica de los hospitales del SERMAS. Coordinado por Hospital Clínico San Carlos. IP coordinador: Emilio Vargas Castrillón. PI: Emilio Vargas Castrillón.

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: Luis Rodríguez; IC: Antonio Portolés.

PT23/00162. Plataforma ISCIII de soporte para la Investigación Clínica. UI-CEC Unidad de Investigación clínica y ensayos clínicos. PI: IP: Antonio Portoles Perez; IC: Leonor Laredo Velasco; Ana Ascaso Del Rio; Ana Belen Rivas; Emilio Vargas Castrillón.

ICI20/00131.Tradol-PriME. Instituto de Salud Carlos III. IP: Francisco Abad. IC: Carla Pérez, Ana Ascaso, Rosario Salas. 01/01/2022-31/12/2024. 284.000 €. Beneficiario FIB Hospital La Princesa, Madrid. Idissc actúa como centro colaborador. Ensayo clínico aleatorizado para evaluar la utilidad del genotipado de CYP2D6 para mejorar la eficacia y la seguridad del tramadol en el tratamiento del dolor postoperatorio agudo. PI: Francisco Abad. IC: Carla Pérez, Ana Ascaso, Rosario Salas.

23/632 (ENE-COVID SENIOR-II). A prospective study to evaluate the immune status in the elderly after receiving a booster dose under the Covid-19 vaccination program in Spain. N Covid Senior II, a substudy of Covidvac@Spain. PI: Antonio Portolés; Ana Ascaso.

22/486. Estudio de 52 semanas, aleatorizado, con enmascaramiento doble, con doble simulación, de grupos paralelos, multicéntrico y de no inferioridad para evaluar la tasa de agravamiento, las medidas adicionales para el control del asma y la seguridad en participantes adultos y adolescentes con asma grave con un fenotipo eosinofílico tratados con GSK3511294 en comparación con mepolizumab o benralizumab. PI: Celia Pinedo Sierra, Antonio Portoles Perez.

2022-1-IT02-KA220-HED-000088065. “Special Needs by Placebo”: Programme to Advise, Normalize And Control its European Administration. Erasmus+ - INDIRE. PI: Antonio Portolés.

FMLD-IOTRA 2-47_FIII código interno: 21/553. Ensayo clínico aleatorizado, doble ciego, controlado con placebo y con tratamiento activo, para evaluar la eficacia analgésica y la seguridad de una combinación oral de ibuprofeno (arginina)-tramadol HCL administrada a pacientes con dolor moderado a severo tras someterse a cirugía dental”. PI: ANTONIO PORTOLÉS PÉREZ.

OGS.6

Diabetes and Obesity

COMPETITIVE FUNDING

S2022/BMD-7227. Mecanismos moleculares de regulación de la función y supervivencia de las células beta pancreáticas. PI: Carlos Guillén Viejo.

OGS.9

Endocrinology of Metabolic Diseases

COMPETITIVE FUNDING

AC21_2/00036. Dietary Assessment & Further Development of Biomarkers for All. PI: ALFONSO LUIS CALLE PASCUAL.

FI22/00175. Contrato PFIS: "Verónica Melero Álvarez". PI: ALFONSO LUIS CALLE PASCUAL.

PI20/01758. Interacción genotipo-dieta en el desarrollo de Diabetes Mellitus Gestacional y subsecuente riesgo cardiometabólico. PI: ALFONSO LUIS CALLE PASCUAL.

NON COMPETITIVE FUNDING

ECL.23/366. EFECTIVIDAD SOBRE EL ESTADO NUTRICIONAL DE UN PROGRAMA DE SOPORTE NUTRICIONAL CON RECOMENDACIONES DIETÉTICAS, EJERCICIO Y SUPLEMENTACIÓN ESPECÍFICA PARA PERSONAS CON DIABETES TIPO 2 CON O EN RIESGO DE MALNUTRICIÓN EN UN ENTORNO REAL SEGÚN PRÁCTICA CLÍNICA HABITUAL (ESTUDIO GLADIATOR). PI: MARÍA PILAR MATÍA MARTÍN.

ECL.21/364. ESTADO NUTRICIONAL DE LOS PACIENTES CON TUMOR NEUROENDOCRINO GASTROENTEROPANCREÁTICO EN ESPAÑA: NUTRIGETNE. PI: JOSÉ ÁNGEL DÍAZ PÉREZ.

OGS.18

Health Care Research

NON COMPETITIVE FUNDING

MJT.CGE.22. BENEFICIOS DE UNA INTERVENCIÓN EDUCATIVA PRECOZ BASADA EN LA EXTRACCIÓN PRECOZ Y VÍDEOS SOBRE LA LACTANCIA MATERNA EN PREMATUROS MENORES DE 32 SEMANAS DE EDAD GESTACIONAL. PI: MÓNICA ESTHER JESÚS TESOURO.

MJT.CGE.22. BENEFICIOS DE UNA INTERVENCIÓN EDUCATIVA PRECOZ BASADA EN LA EXTRACCIÓN PRECOZ Y VÍDEOS SOBRE LA LACTANCIA MATERNA EN PREMATUROS MENORES DE 32 SEMANAS DE EDAD GESTACIONAL. PI: PALOMA ARENAS LÓPEZ.

FD9/21_03. CONFLICTOS ÉTICOS Y OBJECCIÓN DE CONCIENCIA EN EL FINAL DE LA VIDA (EUTANASIA Y SUICIDIO MÉDICAMENTE ASISTIDO). PI: TAMARA RAQUEL VELASCO SANZ.

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OGS.19

Epidemiology and Health Services and socioeconomic health determinants

COMPETITIVE FUNDING

PI21/0090. Historia natural de la infección por SARS-CoV-2 en mujeres gestantes. PI: Lucía Cea Soriano.

NON COMPETITIVE FUNDING

ECL.23/319 (B). ESTUDIO DE FASE 2B, ALEATORIZADO, CONTROLADO Y ABIERTO PARA EVALUAR LA RESPUESTA INMUNITARIA Y LA SEGURIDAD DE LA VACUNA EN INVESTIGACIÓN RSV-PREF3 OA EN ADULTOS (=50 AÑOS DE EDAD) CUANDO SE ADMINISTRA A RECEPTORES DE TRASPLANTE PULMONAR Y RENAL COMPARANDO 1 FRENTE A 2 DOSIS Y EN COMPARACIÓN CON SUJETOS SANOS (=50 AÑOS DE EDAD) QUE RECIBEN 1 DOSIS COMO CONTROL. PI: IGNACIO BARDÓN FERNÁNDEZ-PACHECO."

NARY RENAL COMPARANDO 1 FRENTE A 2 DOSIS Y EN COMPARACIÓN CON SUJETOS SANOS (=50 AÑOS DE EDAD) QUE RECIBEN 1 DOSIS COMO CONTROL. PI: IGNACIO BARDÓN FERNÁNDEZ-PACHECO."

OGS.24

Hematology

COMPETITIVE FUNDING

PMPTA22/00101. ALMA. Inteligencia Artificial para diagnóstico, tratamiento y pronóstico de enfermedades hematológicas. PI: CELINA BENAVENTE CUESTA.

NON COMPETITIVE FUNDING

EAM.C05FHE. Colaboración económica para la realización del proyecto "Mitochondria envejecimiento y cáncer" Fase I. PI: EDUARDO ANGUIA MANDLY.

EAM.C06FHE. Colaboración económica para la realización del proyecto "Mitochondria envejecimiento y cáncer" Fase I. PI: EDUARDO ANGUIA MANDLY.

FGF.M01SAN. Financiación proyecto "CINETICA DE LA ACTIVIDAD DE ADAMTS13 DURANTE EL TRATAMIENTO Y EL SEGUIMIENTO DE PACIENTES CON PURPURA TROMBOTICA TROMBOCITOPENICA (código CEIC 20/087-E). PI: FERNANDO ATAÚLFO GONZÁLEZ FERNÁNDEZ.

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 CO-OPERATIVO DEL GRUPO ESPAÑOL DE AFÉRESIS (GEA) EN COLABORACIÓN

CON LA SOCIEDAD ESPAÑOLA DE HEMATOLOGÍA Y HEMOTERAPIA. PI: CELINA BENAVENTE CUESTA.

ECL.23/476. ALMA: INTELIGENCIA ARTIFICIAL PARA DIAGNÓSTICO, TRATAMIENTO Y PRONÓSTICO DE ENFERMEDADES HEMATOLÓGICAS. PI: CELINA BENAVENTE CUESTA.

ECL.20/087. CINETICA DE LA ACTIVIDAD DE ADAMTS13 DURANTE EL TRATAMIENTO Y EL SEGUIMIENTO DE PACIENTES CON PURPURA TROMBOTICA TROMBOCITOPENICA. PI: FERNANDO ATAÚLFO GONZÁLEZ FERNÁNDEZ.

ECL.18/311. Estudio epidemiológico observacional descriptivo sobre la valoración geriátrica en pacientes con enfermedades hematológicas. PI: MARIA BELEN IÑIGO RODRIGUEZ.

OGS.25

Pathology of Emergency

NON COMPETITIVE FUNDING

ECL.20/370. Factores socio-demográficos predicen los resultados adversos intrahospitalarios en los pacientes ingresados por Covid-19. PI: FRANCISCO JAVIER MARTÍN SÁNCHEZ.

ECL.16/479. Utilidad de la fosfomicina a altas dosis en el tratamiento de las infecciones por microorganismos resistentes. Registro multicéntrico de pacientes tratados con Dosis Altas de Fosfomicina. Plataforma REMDAFO. PI: FRANCISCO JAVIER CANDEL GONZÁLEZ.

25/118-E. INCIDENCIA DE INFECCIONES DE TRANSMISIÓN SEXUAL DIAGNOSTICADAS EN LOS SERVICIOS DE URGENCIAS EN EL TERRITORIO ESPAÑOL. PI: JUAN MARÍA GONZÁLEZ DEL CASTILLO.

OGS.27

Interdisciplinary Diabetic Foot Study

NON COMPETITIVE FUNDING

ECL.23/440. ESTUDIO DE FASE 3, MULTICÉNTRICO, ALEATORIZADO Y DOBLE CIEGO PARA EVALUAR LA SEGURIDAD Y LA EFICACIA DE CONTEZOLID ACEFOSAMILO Y CONTEZOLID EN COMPARACIÓN CON LINEZOLID ADMINISTRADOS POR VÍA INTRAVENOSA Y ORAL A ADULTOS CON INFECCIONES MODERADAS O GRAVES DEL PIE DIABÉTICO. PI: JOSÉ LUIS GARCÍA KLEPZIG.

OGS.28

Associated Clinicals

COMPETITIVE FUNDING

CHP.P01.IR.23. Programa Investigación Responsable 2023: ESTUDIO DE LAS RESISTENCIAS A ANTIMICROBIANOS EN TURKANA (KENIA). PI: CARMEN HERNÁNDEZ PÉREZ.

NON COMPETITIVE FUNDING

ECL.20/354. ESTUDIO COMPARATIVO DEL IMPACTO EN CALIDAD DE VIDA DE LA SBRT VS CIRUGÍA EN PACIENTES CON CARCINOMA NO MICROCÍTICO DE PULMÓN EN ESTADIOS INICIALES. PI: MARÍA DEL PINO ALCÁNTARA CARRIO.

ECL.21/355. RADIOABLACIÓN NO INVASIVA EN TAQUICARDIAS VENTRICULARES (RANIT) - STOPSTORM. PI: MARÍA DEL PINO ALCÁNTARA CARRIO.

ECL.23/597. ENCUESTA POSTCOMERCIALIZACIÓN DE DATOS CLÍNICOS AGREGADOS SOBRE LA SEGURIDAD Y EL RENDIMIENTO DE NEXPOWDER™ EN EL TRACTO DIGESTIVO INFERIOR. PI: JOSÉ MIGUEL ESTEBAN LÓPEZ-JAMAR.

ECL.23/515. CARACTERÍSTICAS DE LA DISFUNCIÓN SEXUAL EN LOS PACIENTES CON CÁNCER DE PULMÓN. PI: MÓNICA ANTOÑANZAS BASA.

ECL.23/218. ESTUDIO CONTROLADO ALEATORIZADO DE UN PROCEDIMIENTO DE REFUERZO ÓSEO LOCAL (LOEP) PARA PREVENIR FRACTURAS SECUNDARIAS DE CADERA EN MUJERES OSTEOPORÓTICAS SOMETIDAS A TRATAMIENTO DE FRACTURAS DE CADERA ÍNDICE. PI: JOSE ANTONIO VALLE CRUZ.

ECL.22/570. IMPaCT-GENÓMICA. PI: MARÍA DEL MAR FENOLLAR CORTÉS.

ECL.22/048. IMPACTO EN LA CALIDAD DE VIDA DE PACIENTES TRATADOS CON CÁNCER DE CERVIX. PI: NOELIA SANMAMED SALGADO.

19/274-E. Revisión de resultados de pruebas genéticas y datos clínicos en pacientes afectados de talla baja idiopática con sospecha de mutación en el gen SHOX (1998-2018). PI: MARÍA DEL MAR FENOLLAR CORTÉS.

21/390-E. EVALUACIÓN DE UN PROTOCOLO DE ASESORAMIENTO GENÉTICO EN LA TOMA DE DECISIONES POR PARTE DEL PACIENTE, ORIENTADO A LA POSIBLE DETECCIÓN Y COMUNICACIÓN DE RESULTADOS NO BUSCADOS AL UTILIZAR LA METODOLOGÍA DE NGS EXOMA. PI: MARÍA DEL MAR FENOLLAR CORTÉS.

21/444-E. Evaluación de un protocolo de diagnóstico genético en la atención prenatal de las gestantes en riesgo de cromosomopatías durante un periodo de 2 años. PI: MARÍA DEL MAR FENOLLAR CORTÉS.

ECL.21/459. PROYECTO DE MEJORA DE LA EXPERIENCIA DE PACIENTES CON CÁNCER DE PULMÓN MEDIANTE CODISEÑO BASADO EN LA EXPERIENCIA. PI: ANA ISABEL ALGUACIL PAU.

OGS.35

Research in the critical patient

COMPETITIVE FUNDING

EUR.COMBACTE. Combatting Bacterial Resistance in Europe. PI: SÁNCHEZ GARCÍA, MIGUEL. Funding organisation: COMISIÓN EUROPEA.

NON COMPETITIVE FUNDING

EUR.COMBACTE. Combatting Bacterial Resistance in Europe. PI: MIGUEL SÁNCHEZ GARCÍA.

ECL.22/672. ENSAYO EN FASE III ALEATORIZADO, COMPARADO CON PLACEBO, DOBLE CIEGO Y MULTICÉNTRICO, PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE LA TRIMODULINA (BT588) EN SUJETOS ADULTOS HOSPITALIZADOS CON NEUMONÍA GRAVE ADQUIRIDA EN LA COMUNIDAD (NGAC). A RANDOMIZED, PLACEBO-CONTROLLED, DOUBLE-BLIND, MULTI-CENTER, PHASE III STUDY INVESTIGATING THE EFFICACY AND SAFETY OF TRIMODULIN (BT588) AS ADD-ON THERAPY TO STANDARD CARE IN ADULT SUBJECTS WITH SEVERE COMMUNITY-ACQUIRED PNEUMONIA (SCAP). PI: MIGUEL SÁNCHEZ GARCÍA.

ECL.23/416. ESTUDIO MULTICÉNTRICO, ALEATORIZADO, DOBLE CIEGO Y CONTROLADO CON PLACEBO PARA EVALUAR LA EFICACIA Y LA SEGURIDAD DE CAL02 ADMINISTRADO POR VÍA INTRAVENOSA CONJUNTAMENTE CON EL TRATAMIENTO ESTÁNDAR EN SUJETOS CON NEUMONÍA BACTERIANA GRAVE ADQUIRIDA EN LA COMUNIDAD (SCABP). PI: MIGUEL SÁNCHEZ GARCÍA.

ECL.23/444. COMPARACIÓN DE LA PREVALENCIA DE ASINCRONÍAS DURANTE LA VENTILACIÓN MECÁNICA CON AJUSTE MANUAL DE LOS PARÁMETROS VENTILATORIOS Y CON EL AJUSTE AUTOMÁTICO MEDIANTE LA HERRAMIENTA INTELLISYNC+® (RESPIRADORES HAMILTON). ESTUDIO CLÍNICO CONTROLADO. PI: MIGUEL SÁNCHEZ GARCÍA.

ECL.23/454-O_P. IMPACTO DE LA INCORPORACIÓN DEL PANEL DE NEU-

MONÍA BIOFIRE® FILMARRAY® (FA-PNEU) EN LA OPTIMIZACIÓN DEL TRATAMIENTO ANTIBIÓTICO EN PACIENTES INGRESADOS EN LA UNIDAD DE CUIDADOS INTENSIVOS CON SOSPECHA DE INFECCIÓN RESPIRATORIA. PI: FERNANDO MARTÍNEZ SAGASTI.

Appendix IV

Balance sheet 2024.

		ACTIVO	Notas	2024	2023
N.º CUENTAS	A)	ACTIVO NO CORRIENTE		13.804.569,51	1.640.648,79
	I.	Inmovilizado intangible	6	24.908,37	10.784,91
206, (2806), (2906)	5.	Aplicaciones informáticas		24.908,37	10.784,91
	1.	Aplicaciones Informáticas		234.593,84	204.065,74
	2.	Amortización acumulada de aplicaciones informáticas		-209.685,47	-193.280,83
212, 213, 214, 215,	III.	Inmovilizado material	5	1.576.640,41	1.629.863,88
216, 217, 218, 219,	2.	Instalaciones técnicas y otro inmovilizado material		1.576.640,41	1.629.863,88
(2812), (2813), (2814), (2815),	1.	Instalaciones técnicas		259.680,13	259.680,13
(2816), (2817), (2818), (2819),	2.	Maquinaria		5.499.054,08	4.907.562,83
(2912), (2913), (2914), (2915),	4.	Otras instalaciones		611.166,27	576.091,97
(2916), (2917), (2918), (2919)	5.	Mobiliario		258.956,20	245.324,14
	6.	Equipos para procesos de información		584.776,32	522.434,13
	9.	Amortización acumulada de instalaciones técnicas		-190.880,21	-142.220,21
	10.	Amortización acumulada de maquinaria		-4.215.032,56	-3.600.258,84
	12.	Amortización acumulada de otras instalaciones		-560.710,23	-530.586,53
	13.	Amortización acumulada de mobiliario		-207.163,95	-190.265,41
	14.	Amortización acumulada de equipos procesos información		-463.205,64	-417.898,33
	VI.	Inversiones financieras a largo plazo		12.203.020,73	0
2515, 261	3.	Valores representativos de deuda		12.203.020,73	0
	3.	Valores representativos de deuda a largo plazo		12.203.020,73	0
N.º CUENTAS	B)	ACTIVO CORRIENTE		16.661.028,19	27.123.657,36
	II.	Existencias	9	37.458,17	30.266,75
407	6.	Anticipos a proveedores		37.458,17	30.266,75
	1.	Anticipos a proveedores	9	37.458,17	30.266,75
447,448, (495)	III.	Usuarios y otros deudores de la actividad propia	9	1.736.674,44	1.454.482,06
	IV.	Deudores comerciales y otras cuentas a cobrar		1.395.283,37	265.020,95
440,441,446,449	3.	Usuarios y deudores varios		102.190,94	58.251,82
	1.	Deudores		102.190,94	58.251,82
4700,4707,4708,471,472	6.	Otros créditos con las administraciones públicas		1.293.092,43	206.769,13
	3.	Hacienda Pública, deudora por subvenciones concedidas		1.292.434,43	206.769,13
	4.	Organismos de la Seguridad Social, deudores		658	0,00
	6.	Hacienda Pública, retenciones y pagos a cuenta	8.1	0	0,00
	VI.	Inversiones financieras a corto plazo		6.560.082,21	11.936.743,94
541, 546	3.	Valores representativos de deuda		6.560.082,21	11.936.743,94
	3.	Valores representativos de deuda a CP		6.560.082,21	11.936.743,94
	VIII.	Efectivo y otros activos líquidos equivalentes	11	6.931.530,00	13.437.143,66
570,571,572,573,574,575	1.	Tesorería		6.931.530,00	13.437.143,66
	1.	Caja euros		320,07	94,24
	3.	Bancos e instituciones de crédito c/c vista, euros		6.931.209,93	13.437.049,42
		TOTAL ACTIVO (A + B)		30.465.597,70	28.764.306,15

Balance sheet 2024.

N.º CUENTAS	PATRIMONIO NETO Y PASIVO		Notas	2024	2023
	A)	PATRIMONIO NETO		4.795.989,36	4.836.796,33
	A-1)	Fondos Propios		3.533.900,79	3.522.458,39
100	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
113,114,115	2.	Otras reservas		817.516,19	817.516,19
	III.	Excedentes de Ejercicios anteriores		2.674.832,42	2.586.864,61
120	1.	Remanente		2.674.832,42	2.586.864,61
(121)	2.	Excedentes negativos de ejercicios anteriores		0	0
129	IV.	Resultado del Ejercicio		11.442,40	87.967,81
	A-2)	Ajustes por cambios de valor	8.1	0	0
133	I.	Activos financieros disponibles para la venta		0	0
	A-3)	Subvenciones, donaciones y legados recibidos	17	1.262.088,57	1.314.337,94
130, 1320	I.	Subvenciones		807.313,40	697.700,38
	1.	Subvenciones oficiales de capital		783.161,21	680.637,71
	2.	Otra subvenciones		24.152,19	17.062,67
131, 1321	II.	Donaciones y legados		454.775,17	616.637,56
	1.	Donaciones y legados de capital		41.299,47	36.729,63
	2.	Otras donaciones y legados		413.475,70	579.907,93
	B)	PASIVO NO CORRIENTE		16.845.677,75	14.284.123,03
	I.	Provisiones a largo plazo		12.796.027,86	11.879.229,51
141, 142, 143	4.	Otras provisiones		12.796.027,86	11.879.229,51
	2.	Provisión para otras responsabilidades		12.796.027,86	11.879.229,51
	II.	Deudas a largo plazo		4.049.649,89	2.404.893,52
172	5.	Otros pasivos financieros		4.049.649,89	2.404.893,52
	4.	Deudas a L/P transformables en subvenciones, donaciones y legados		4.049.649,89	2.404.893,52
	C)	PASIVO CORRIENTE		8.823.930,59	9.643.386,79
	II.	Provisiones a corto plazo		2.070.704,64	2.448.364,63
499	1.	Provisiones por operaciones de la actividad		2.070.704,64	2.448.364,63
	III.	Deudas a corto plazo		5.173.812,86	5.124.210,82
522	5.	Otros pasivos financieros		5.173.812,86	5.124.210,82
	6.	Deudas a C/P transformables en subv., donaciones y legados		5.173.812,86	5.124.210,82
412	V.	Beneficiarios - Acreedores		562.500,00	773.922,32
	VI.	Acreedores comerciales y otras cuentas a pagar		1.016.913,09	1.296.889,02
400	1.	Proveedores		10.033,69	26.803,08
	1.	Proveedores		10.033,69	26.803,08
410	3.	Acreedores varios		72.848,96	39.895,92
	1.	Acreedores por prestación de servicios		72.848,96	39.895,92
465, 466	4.	Personal (remuneraciones pendientes de pago)		-1.031,34	-1.332,86
	1.	Remuneraciones pendientes de pago		0,00	-301,52
	2.	Remuneraciones mediante sistemas de aportación definida, pendientes de pago		-1.031,34	-1.031,34
4750,4751,4758,476,477	6.	Otras deudas con las Administraciones Públicas		385.835,61	338.728,20
	1.	Hacienda Pública, acreedora por IVA		49.261,58	70.739,89
	2.	Hacienda Pública, acreedora por retenciones practicadas		102.933,30	90.238,00
	4.	Hacienda Pública, acreedora por subvenciones a reintegrar		33.219,14	0,00
	5.	Organismos de la Seguridad Social, acreedores		200.421,59	177.750,31
438	70	Anticipos recibidos		49.226,17	892.794,68
		TOTAL PATRIMONIO NETO Y PASIVO (A + B + C)		30.465.597,70	28.764.306,15

Appendix IV: Methodological notes

Scientific production

Source of information: Web of Science (WoS) Core Collection.

Time frame: 2024 and 2020-2024.

Agregation level: IdISSC and scientific areas formed by the actual research groups.

Scientific production analysis:

Nº of papers WoS: This indicator includes all the scientific production of the IdISSC indexed in the WoS.

Nº of citable items: This indicator includes two document type such us 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.

Impact analysis

Most cited papers: This analysis includes the top 10 most cited papers of the IdISSC scientific production between 2019-2023. 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.

Cites by year: This indicators counts the cites of the IdISSC scientific production each year and beetwen 2020 and 2024 period.

Visibility analysis

Scientific production by quartile: Scientific production by quartile: The level of groups, the data are based on 2023 JCR and the aggregation level its by IdISSC and scientific área the data are based on 2024 JCR.

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 2024.

Top journals: This analysis includes the top of scientific journals in which ours researchers most publish during 2024 and the aggregation level its by IdISSC and scientific area. In this case the indicators included are nº of papers (WoS), nº of citable items, times cited, quartil 2024 and WoS category position, Article Influence Score, Journal Citation Indicator and Impact factor whitout self citations.

Scientific Collaboration

Aggregation level: By country, by center and by author

Keyword analysis.

Software: VOSviewer (developed by the CWTS of the University of Leiden)







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