

SHAPING THE FUTURE OF CANCER: TRANSFORMING CANCER DETECTION WITH ADVANCED TECHNOLOGIES

A Symposium on the exploration of Next-Gen Strategies in Early-Detection and Prevention of Cancer

CRIS Scientific Conference 17th April 2024

Location: Fundación Ramón Areces | C/ Vitruvio 5 | 28006 | Madrid

SCHEDULE:

The event will be structured in sessions combining keynote lectures and flash talks by young researchers to encourage the exchange of knowledge, foster collaborations and integrate new generations with leading researchers in their fields.

9:30 | Introduction and welcome

10:00 | Presentation of the Event and words by the CRIS President

10:30 | SESSION 1: PERSPECTIVES FROM COMPUTATIONAL SCIENCES

10:30 | Keynote Talk 1 (40' + 10' questions)
Impact of AI in cancer clinical settings

Prof. Miguel Luengo Oroz
Spotlab, Universidad Politécnica de Madrid.

11:20 | Flash Talk 1 (10' + 5' questions)

Dra. Isabel Mendizábal
CIC bioGUNE - Centro de Investigación Cooperativa en Biociencias.
(CRIS Post-Doc Talent Programme Awardee)

11:35 | Flash Talk 2 (10' + 5' questions)

Dra. Raquel Pérez
Vall d'Hebrón Institute of Oncology.
(CRIS Traslational Physician Talent Programme Awardee)

11:50 | COFFEE BREAK

12:00 | SESSION 2: PERSPECTIVES FROM ENGINEERING AND TECHNOLOGY

12:00 | Keynote Talk 2 (40' + 10' questions)
Present and future of preventive cancer vaccines

Prof. Sarah Blagden
University of Oxford.

12:50 | Flash Talk 3 (10' + 5' questions)

Dr. Bruno Paiva
Clínica Universidad de Navarra.
(CRIS Excellence Programme Awardee)

13:05 | Flash Talk 4 (10' + 5' questions)

Dra. Meritxell Rovira
Instituto de Investigación Biomédica de Bellvitge.
(CRIS Excellence Programme Awardee)

13:30 | LUNCH – CATERING

14:30 | SESSION 3: PERSPECTIVES FROM PRECISION MEDICINE AND GENETICS

14:30 | Keynote Talk 3 (40' + 10' questions)

Present and future of liquid biopsy in cancer early diagnosis

Prof. Catherine Alix Panabières
Centre Hospitalier Universitaire de Montpellier.

15:20 | Flash Talk 5 (10' + 5' questions)

Dra. Ceres Fernández
Instituto de Investigación de Santiago.
(CRIS Post-Doc Talent Awardee)

15:35 | Flash Talk 6 (10' + 5' questions)

Dra. Clara Montagut
Hospital del Mar Research Institute Barcelona.
(CRIS Excellence Programme Awardee)

16:00 | Round table with keynote speakers (40')

16:45 | One to One Sessions

18:00 | CLOSURE

19:00 | CRIS Research Programmes Award Ceremony

KEYNOTE TALKS:

I Prof. Miguel Luengo Oroz:

Founder of Spotlab.ai, Professor at the Electronic Systems Engineering PhD, Universidad Politécnica de Madrid Dr. Luengo-Oroz, a visionary scientist and entrepreneur, is dedicated to advancing responsible AI for global health impact. As the founder and CEO of Spotlab.ai, an innovative AI platform specializing in clinical research and universal diagnosis, he brings expertise at the intersection of technology and healthcare. Formerly the Chief Data Scientist at the United Nations, Dr. Luengo-Oroz advises on the transformative potential of emerging technologies.

I Prof. Sarah Blagden:

Professor of Experimental Oncology at the University of Oxford. Prof. Blagden is renowned for her research on post-transcriptional mechanisms in ovarian cancer behaviour and her leadership in clinical trials of innovative therapies. As co-founder of the LARP Society and founder of RNA Guardian, she has made a significant impact on cancer research. Currently, she is focused on clinical trials to develop preventive immunotherapy-based cancer vaccines.

I Prof. Catherine Alix Panabières:

Full Professor at the Faculty of Medicine of the University of Montpellier, France. Leading expert in the field of liquid biopsy, with more than two decades of experience. A pioneer in techniques for enrichment, detection and characterization of circulating tumor cells (CTCs), together with Prof. Pantel, she coined the term 'Liquid Biopsy' in 2010. With over 135 scientific publications, 15 book chapters and three patents in the field, she has demonstrated the clinical utility of CTCs in cancer. Her leadership is reflected in the organization of international events and her participation in national and European projects, consolidating her as a key figure in liquid biopsy research.