

# VI YOUNG RESEARCHERS MEETING

6th-7th November 2023

Faculty of Medicine, University of Málaga

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Welcome to the VI Young Researchers Meeting that will take place on 6<sup>th</sup>-7<sup>th</sup> November 2023.

This meeting will serve as a platform for young and senior scientists to share their projects, and advancements in the fields of oncology/cancer and nutrition/obesity.

Over the meeting days, we will witness a series of oral and poster presentations, in which young researchers will share the results of their studies. These encompass a wide range of areas, such as new technologies, new therapeutic strategies, several mechanisms of cancer development or adipose tissue formation, also topics related to inflammation and lifestyles related to cancer and obesity as well.

In addition to the presentations, we will have keynote lectures and round tables by renowned experts, who will share their experiences, knowledge, and advice to inspire the young researchers present. There will also be panel sessions and debates, where relevant and challenging topics facing the current scientific community will be discussed.

During this meeting, we will be recognizing outstanding contributions with awards for the best post-doctoral and pre-doctoral oral presentations, as well as the best poster presentation.

To stay updated on all the information related to the event, please regularly visit our website. Make sure to mark the VI Young Researchers Meeting on your calendars, as we hope to have an in-person gathering held in MALAGA.

Thank you, and we look forward to your participation in this exciting event!

## Organizing Committee



Patricia Prada: *Project Manager, ICO-IDIBELL*



Connor Welch: *PhD Candidate, CIMA – UNAV*



Miguel Álvarez: *PhD Candidate, ISPA-IUOPA*

Isaac Vieco Marti: *PhD Candidate, INCLIVA, Valencia*



Carmen Ramos Nebot: *PhD Candidate, MD Anderson Cancer Center, Madrid*

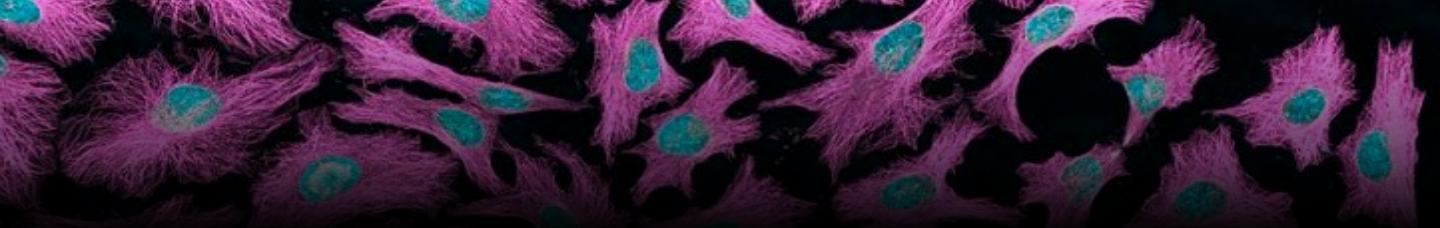


Carmen Sayón-Orea: *Researcher, Public Health Institute, UNAV*



Hatim Boughanem: *Postdoctoral Researcher, IMIBIC, Córdoba*





# Monday 6th November

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09:00 – 10:00: Registration

10:00 – 10:30: Welcome

Gema Moreno: Training and Mobility coordinator of CIBERONC

10:30 – 11:30: PLENARY LECTURE

Salvatore Simmini PhD, STEMCELL Technologies, Cambridge UK

*"The use of complex organoid models in biomedical research"*

11:30 – 12:00: Session 1: New therapeutic strategies in cancer treatment (part 1)

Chairs: Miguel Álvarez González / Isaac Vico Martí

Laura Lobo Selma: *Desmoplastic small round cell tumor: Unraveling gene fusion dependent transcription factors.*

Llora Prieto Fernández: *Targeting tumor-driven CAF invasion in head and neck tumor microenvironment: Mechanistic insights by phosphoproteomics*

Inés Romero Pérez: *Therapeutic efficacy of TGF $\alpha$ -targeting in kidney and pancreatic cancer.*

12:00 – 12:30: Session 2: Mechanism of immune escape in cancer development

Chairs: Patricia Prada Dacasa / Carmen Ramos Nebot

Susana Torres Martínez: *Galectin-3 as a microenvironment-relevant immunoregulator through regulatory T cells in lung adenocarcinoma patients*

Noelia Sandoval Hellin: *Fibrogen-like protein 2 (FGL2) is a multifaceted immune checkpoint with potential therapeutic application in B-cell non-Hodgkin lymphomas.*

Ana Mantrana Soldado: *Attacking metabolic vulnerabilities associated with GSNOR deficiency to boost immune therapy efficacy in colorectal cancer.*

12:30 – 12:45: FLASH TALKS (Miguel Álvarez González, María Otero Rosales, Inmaculada Conejos Sánchez, Ariadna Grinyó Escuer)

12:45 – 13:45: Lunch (1hr)

13:45 – 14:45: PLENARY LECTURE

Alejo Efeyan PhD, Head of Metabolism and Cellular Signaling Group, CNIO, Madrid

*"Autonomous and non-autonomous cellular roles of nutrient signalling in disease"*

14:45 – 15:15: Session 3: Inflammation and Obesity

Chairs: Hatim Boughanem Lakhal / Carmen Sayón Orea

Alejandro Rego Calvo: *The emerging role of epitranscriptome (m<sup>6</sup>A) in dysregulation of the splicing machinery and inflammatory response in obesity-associated colorectal cancer.*

María José García López: *Gut microbiota is implicated in the weight loss achieved with diets that are able to increase ketone bodies.*

Alba Subiri Verdugo: *Changes in microbiota profile persist after a year of having completed the dietary intervention with ketogenic diet.*

15:15 – 16:15: ROUND TABLE:

LIFESTYLE AND DIET IN CANCER DEVELOPMENT

Chairs: Connor Welch / Hatim Boughanem Lakhal

- Rocio Barragan, PhD: Assistant Professor, Universidad de Valencia
- Dr. Pedro Robledo: Head of Clinical Nutrition and Dietetics Unit, MD Anderson Cancer Center, Madrid
- Raúl Durán, PhD: Group Leader of Metabolism and Cell Signaling, CABIMER, Sevilla

16:15 – 16:30: FLASH TALKS (Regina Peña Enríquez, Libia Alejandra García, Gema Gómez Casado, Andrea Olarte San Juan)

16:30 – 17:00: Break (30 mins)



17:00 – 17:30: Session 4: New technologies in biomedical research.

Chairs: Carmen Ramos Nebot / Miguel Álvarez González

Andrea Estrella Arias Días: *Ascites-Derived Organoids to Depict Platinum Resistance in Gynaecological Serous Carcinomas*

Lucía Trilla Fuertes: *Metaproteomics identified microbiota proteins related to prognosis in colon cancer paraffin samples.*

Isaac Vieco Marti: *Voronoi diagram proves the architectural connection between vascular structures and territorial areas of vitronectin in Neuroblastoma.*

17:30 – 18:00: Session 5: Reducing clinical toxicities in combination therapies

Chairs: Connor Welch / Patricia Prada Dacasa

Pablo Francisco Cano Ramírez: *Utility of liquid biopsy-based epigenetic biomarkers for monitoring disease evolution and response to treatment in metastatic pancreatic cancer patients.*

Camila Guerrero De Blois: *Predictors of unsustained measurable residual disease (MRD) negativity in transplant-eligible multiple myeloma (MM) patients.*

Miguel Bastos Boento: *Generation and independent validation of a new clinic-biological prognostic index or mantle cell lymphoma.*

18:00 – 18:30: Session 6: New therapeutic strategies in cancer treatment (part 2)

Chairs: Carmen Ramos Nebot / Miguel Álvarez González

Carmen Martín-Hernández: *Nanoparticle drug vehiculation for the treatment of Head and Neck Squamous Cell Carcinoma*

Sonia López Landrove: *Global methylation profiling of Uterine Aspirates from endometrial cancer patients identifies GABA pathway as a potential therapeutic target*

Carmen Navarrete Sirvent: *Clinical significance of glycogen synthase kinase 3 (GSK-3) expression and tumour budding grade in colorectal cancer: Implications for targeted therapy*

18:30 – 18:40: Group Photo

19:00 – End: Poster Party and networking session

## Tuesday 7th November

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08:45 – 09:00: Welcome

09:00 – 10:00: PLENARY LECTURE

María Jesús Ledesma, PhD, Full Professor, Universidad Politécnica de Madrid

*"Multimodal Artificial Intelligence in diagnosis, prognosis and treatment"*

10:00 – 10:15: FLASH TALKS (Beatriz Fernandez Blanco, Carmen Gonzalez Díaz-Cano, Igor de la Torre Loizaga, Nerea Hongfen Vidaña Bedera)

10:15 – 10:45: Break (30 mins)

10:45 – 11:45: PLENARY LECTURE

Dr. José Manuel García Almeida, Medical Endocrinologist, Director of Endocrinology and Nutrition, University Hospital of Malaga

*"Ecografía nutricional"*

11:45 – 12:45: ROUND TABLE:

MENTAL HEALTH DURING PRE-/POST- DOCTORAL STAGES

Chair: Carmen Sayón Orea / Isaac Vieco Marti

- Irene Perez Esteban: Psychologist specializing in addiction
- Raúl Durán, PhD: Group Leader of Metabolism and Cell Signaling, CABIMER, Sevilla
- Marta de la Fuente: Health psycho-oncologist, A Coruña

12:45 – 13:30: Lunch (45 mins)

13:30 – 14:00: Quiz

14:00 – 14:15: Awards (poster, oral and flash talk)

14:14 – 14:30: Closing remarks

