

Advances in Cancer and Obesity Research

I CIBERONC - CIBEROBN Joint Conference

February 13th – 14th, 2025
Sevilla



ciber | **OBN** | **ONC**

Day 1: Joint session OBN-ONC

Venue: Hotel Silken Al Andalus, Avenida de la Palmera s/n, esq. C/ Paraná
Descubrimiento Room

10:00 - 10:15

Welcome

10:15 - 11:50 Scientific Session I

Chairs: Manuel Tena (OBN), Roger Gomis (ONC)

10:15 - 10:50 - CIBERONC-OBN Talk

"Molecular Insights into Cancer Cachexia: Dissecting the Underlying Mechanisms"

Joan Seoane - CIBERONC

Miguel López - CIBEROBN

10:50 - 11:15 - CIBEROBN Talk

"Immuno-nutrition and cancer"

Estefanía Toledo Atucha – CIBEROBN (Miguel Ángel Martínez Gonzalez)

11:15- 11:50 - CIBERONC-OBN Talk

"Endocrine-related Cancers: Splicing makes the difference"

Jesús Paramio – CIBERONC

Raúl Luque - CIBEROBN

11:50 - 12:20

Coffee Break

12:20 – 14:05 Scientific Session II

Chairs: Guillermo Sánchez Delgado(OBN), Natalia Martín (ONC)

12:20 - 12:45 - CIBERONC Talk

"Effect of an oncogenic mutation in the splicing factor U1 on growth and metabolism"

Xose Puente - CIBERONC

12:45 - 13:10 - CIBEROBN Talk

"Multidisciplinary prehabilitation and rehabilitation based on lifestyle changes for improving surgical prognosis in patients with colon cancer"

Francisco J Amaro-Gahete - CIBEROBN

13:10 - 13:45 - CIBERONC-OBN Talk

"Deterministic Epigenetic Reprogramming of Tumor-Associated Macrophages in Obesity and Cancer"

Silvia Guil-Luna - CIBERONC

Hatim Boughanem – CIBEROBN

13:45 - 14:05 - CIBERONC Talk

"Transcriptional analyses of metabolic genes for identification of new targets and biomarkers in patients with hematological malignancies"

Xabier Agirre - CIBERONC

14:05 – 15:05

Lunch

Day 1: Joint session OBN-ONC

Descubrimiento Room

15:05 - 16:35 Scientific Session III

Chairs: Irene Ferrer (ONC), Manuel Macías (OBN)

15:05 - 15:30 - CIBERONC-OBN Talk:

“Evaluation of Changes in the Methylome and Prognosis of Obesity-related Breast Cancer After Nutritional Intervention-induced Weight Loss During the Oncological Treatment: Study protocol and preliminary results”

Ana B Crujeiras - CIBEROBN

15:30 - 15:55 - CIBERONC Talk

“Metabolic adaptations in prostate cancer”

Arkaitz Carracedo - CIBERONC

15:55 - 16:35 – Invited speaker

Chair: Amaia Zabala – CIBERONC

“Emerging roles of lipid metabolism in cancer metastasis”

Patricia Altea-Manzano - CABIMER

16:35 – 17:00

Break

17:00 – 18:00 Round Table

Chair: Carlos Dieguez (OBN)

“Challenges and opportunities for Nutrition, Obesity and Cancer Metabolism Research”

María Puy Portillo – Scientific director CIBEROBN

Anna Bigas Salvans – Scientific director CIBERONC

18:00 – 18:45 Plenary Talk

Chair: Laura Valle - CIBERONC

“Integration of omics data into metabolic flux models: towards tumour metabolic stratification and the design of personalized therapies.”

Marta Cascante - CIBEREHD

18:45 - 19:00 Closing Remarks

Day 2: CIBEROBN session

Descubrimiento Room

8:00 – 9:00 Obesity & Nutrition IP's meeting

Meeting restricted to Group Leaders (PI) and Co-PIs

9:00 - 10:00 Nutrition Symposium

Chair: Jonatan R Ruiz

9:00 – 9:20

“Building healthy bodies: Linking exercise, fat depots, and cardiometabolic risk and insulin resistance in children with overweight/obesity” - Cristina Cadenas-Sanchez, Sport and Health University Research Institute (iMUDS)

9:20 – 9:40

“Nutritional determinants of metabolic health: new insights from precision nutrition approaches” - Carmen Piernas, Center for Biomedical Research (CIBM)

9:40 – 10:00

“Ultraprocessed Food Consumption and Obesity in Children”

Luis A. Moreno - Instituto Agroalimentario de Aragón (IA2)

10:00 - 11:00 Oral presentations

Chair: Alfredo Martínez

10:00 – 10:10

“Ultraprocessed Food Consumption and Cardiometabolic Risk Factors in Children From the CORALS Cohort” - Nancy Elvira Babio Sánchez, Fundación Instituto de Investigación Sanitaria Pere Virgili

10:10 – 10:20

“Time-restricted feeding prevents body weight gain, improves glucose tolerance and restores circulating corticosterone's circadian rhythm in males fed a high-fat high-sucrose diet” - Maria del Mar Romero Romero. Facultad de Farmacia. Universidad de Barcelona

10:20 – 10:30

“Adipocyte-specific deletion of Prdm1 confers resistance to diet-induced obesity and type 2 diabetes in mice” - María Jesús Moreno Aliaga, Centro de Investigación en Nutrición (CIN), Universidad de Navarra

10:30 – 10:40

“A role for brown adipose tissue activation in the prevention of hepatocarcinogenesis promoted by metabolic lipotoxicity” - Peyrou Marion, Facultad de Biología, Universidad de Barcelona

10:40 – 10:50

“Sustainable insect-based protein supplement in the elderly: a pilot study” - Gemma Chiva-Blanch Fundación de Investigación Clínic Barcelona-Instituto de Investigaciones Biomédicas August Pi i Sunyer

Day 2: CIBEROBN session

Descubrimiento Room

11:00 – 11:30

Active coffee break + group picture

11:30 – 12:30 Obesity Symposium

Chair: Chiqui Aguilera

11:30 – 12:00

“Adiposity status, biomarkers and cancer risk” - Aurora Pérez Cornago, European Commission, Joint Research Centre (JRC)

12:00 – 12:30

“AI and Machine Learning for the holistic study of childhood obesity”
Augusto Anguita – ISGlobal

12:30 – 13:15 Plenary talk

Chair: Marijana Todorcevic

“Human adipose tissue fat storage: a neglected target for metabolic health?”

Fredrick Karpe - Oxford Centre for Diabetes, Endocrinology and Metabolism (OCDEM), Radcliffe Department of Medicine, University of Oxford, UK

13:15 – 13:30 Best Oral Presentation Award

13:30 – 14:30 XXXI “Premio a la trayectoria científica Dr. Carles Martí Henneberg” - Danone Institute, Spain

14:30 – 15:30

Lunch

Detailed Program

Friday, February 14th

Day 2: CIBERONC session

Sevilla & Triana Room

8:00 – 9:30 IP's meeting

Meeting restricted to Group Leaders (PI) and co-PIs

9:30 - 10:00 Welcome & CIBERONC Session

Anna Bigas, CIBERONC Scientific Director

10:00 - 11:00 New groups in CIBERONC

10:00 - 10:20

Iñaki Martín Subero

10:20 - 10:40

Marcos Malumbres

10:40 – 10:50

Pilar Garrido

10:50 – 11:00

Clara Montagut

11:00 – 11:30

Coffee Break

11:30 – 11:45 CIBERONC platforms

Spanish variant database for hereditary cancer (SPADA Hc)

Conxi Lázaro

11:45 – 14:15 Research Programs

11:45 - 12:10 - Tumors of the Digestive Tract

“METACC: Leveraging ctDNA analysis to Identify Omic Biomarkers of Therapy Resistance in Metastatic Colorectal Cancer” - Daniel González

12:10 - 12:35 - Breast and Gynecological Cancer

“SMAD4 in Human NK Cells: Less Is More for Enhancing Adoptive NK Cell Therapy” - Aura Muntasell

12:35 - 13:00 - Tumors of the Respiratory Tract

“CDK7 as a novel therapeutic target in HNSCC” - Francisco Hermida

13:00 - 13:25 - Hematological Tumors:

“Epigenetic Regulation of Therapy Responses in Hematological Malignancies” - Gerardo Ferrer

13:25 - 13:50 - Cancer Molecular Mechanisms

“Five latent factors underlie response to immunotherapy” - Abel González - Pérez

13:50 - 14:15 - Precision Diagnostic and Therapies:

“Polypeptide-based Nanomedicines: Unraveling Tropism and Overcoming Biological Barriers” -

María Jesús Vicent

14:15 – 14:30 Training and Mobility Program

Gema Moreno - Program Coordinator

14:30 – 15:30

Lunch