

**Tuesday, 26 OCTOBER 2021**

**Online (CIBEROBN Platform)**

**15:50-16:00 Opening**

Cristobal Belda. *General Director ISCIII.*  
Manuel Sánchez. *General Manager.*  
Carlos Diéguez. *Scientific Director.*

**16:00-16:45 OPENING LECTURE**

**Chair:** Manuel Tena-Sempere

The year in Obesity Research... COVID19 and beyond

*Suggested speakers: Fernando Fernández-Aranda and Amaia Rodriguez*

**16:45-18:45 Symposium 1: Tissue cross-talk in obesity and metabolic diseases.**

**Chair:** Emilio Ortega

16:45 *Dr. Marc Claret (CIBERDEM)*

Mitochondrial cristae-remodeling protein OPA1 in POMC neurons couples Ca<sup>2+</sup> homeostasis with adipose tissue lipolysis.

17:15 *Dra. Gemma Chiva-Blanch (CIBEROBN)*

Changes in circulating microvesicles in response to diet.

17:45 *Dra. Maria Pardo (CIBEROBN)*

Human obese white adipose tissue sheds depot-specific extracellular vesicles and reveals candidate biomarkers for monitoring obesity and its comorbidities.

Oral Comunicación

18:15 *D. Kevin Ibeas*

Deletion of Cpt1a in AgRP neurons improves physical activity by myofiber remodeling in gastrocnemius and tibialis anterior muscles

18:30 *D<sup>a</sup> Marta López Yus*

Identification of novel targets in adipose tissue involved in non-alcoholic fatty liver disease progression

## Wednesday, 27 OCTOBER 2021

### Online (CIBEROBN Platform)

**16:00-17:30 Symposium 2: Obesity and cognition**

**Chair:** Dr. JM Fernández-Real

**16:00 Dr. Jordi Mayneris-Perxachs (CIBEROBN)**

Obesity and cognition: The microbiota connection

**16:30 Dra. Stephanie Nishi (University of Toronto)**

Nutrition, dietary patterns and cognition

### Oral Comunicación

**17:00 D. Ignacio Manuel Giménez**

Epigenome-Wide Study of DNA methylation in relation to socio-economic status in high cardiovascular risk subjects with obesity/overweight: sex-specific analysis

**17:15 D<sup>a</sup> Marina Mora**

Metabolomics analysis of T2D remission dietary induced: from the CORDIOPREV study.

**17:30-19:00 Symposium 3: Hot topics in obesity and nutrition research**

**Chair:** Luisa M<sup>a</sup> Seoane

**17:30 Dr. M. Lopez (CIBEROBN)**

Driving thermogenesis for the treatment of obesity

**18:00 Dr. Perder L Myhe (OMEMI investigator)**

Effects of n-3 Fatty Acid Supplements on cardiovascular disease: are all equals?

### Oral Comunicación

**18:30 D<sup>a</sup>. Sabela Casado**

LEAP-2 IN ENERGY HOMEOSTASIS AND LIVER METABOLISM

**18:45 D. Roberto Collado**

Modifications in the crosstalk between astrocyte and neurons via exosomes and miRNAs in response to the nutritional environment

**Thursday, 28 OCTOBER 2021**

**Online (CIBEROBN Platform)**

**16:00-18:00 Symposium 4: Obesity and nutrition research: Exercise, diet and rhythms**

**Chair: Dra. Catalina Picó**

16:00 *Dr. Jonatan. R. Ruiz (University of Granada)*

Promoting fitness and health through physical activity -Focus on brown adipose tissue.

16:30 *Dr. Jordi Salas-Salvadó (CIBEROBN)*

Recent progress in the Predimed Plus study

17:00 *Dra. Marie-Pierre St-Onge (Sleep Center, Columbia University)*

Sleep, diet and obesity

Oral Communication

17:30 *D<sup>a</sup> Catalina Amadora Pomar*

Dietary improvement during lactation in rats attenuates early adverse metabolic effects in the offspring associated with maternal intake of an obesogenic diet. Putative relationship with milk hormone levels and protein content.

17:45 *D<sup>a</sup> Jadwiga Konieczna*

Longitudinal association of dietary carbohydrates' quality with visceral fat deposition and other adiposity indicators: analysis within the PREDIMED-Plus trial

**18:00-18:45 CLOSING LECTURE**

**Chair: Dr.Lluis Serra**

**Sustainable food systems and nutrition - Challenges for the present and future**

***Dr. Sandro Dernini***

**18:45 Closing of the annual meeting**