Wednesday 20 NOVEMBER 2019

11:30-12:00 Registration

12:00-12:15 Opening Ceremony
Manuel Sánchez. *General Manager.*
Carlos Diéguez. *Scientific Director.*

12:15-14:00 Symposium 1: *Adipobiology at the crossroad of Obesity research*
Chair: Marta Giralt

12:15 ***Mª Jesús Moreno-Aliaga***, CIBEROBN Universidad de Navarra
Metabolic effects of omega-3 PUFA derivatives on adipose tissues and insulin sensitivity in obesity

12:45 **Sonia Fernández-Veledo**, Institut d´Investigació Sanitària Pere Virgili (IISPV). Universitat Rovira i Virgili. Hospital Universitario de Tarragona Joan XXIII
Immunometabolism: Implications for obesity

13:15 ***OC-1:*** **Cairó et al. (#52)** Parkin controls brown adipose tissue adaptive plasticity in response to thermal adaptations and obesogenic diet.

13:30 ***OC-2:*** **Becerril et al. (#48)** Role of leptin in hepatic inflammation and extracellular remodelling via nitric oxide

13:45 ***OC-3:*** **Comás et al. (#16)** H2S-synthesising enzymes modulate cellular senescence and adipogenesis in human adipose-derived mesenchymal stem cells

14:00-15:45 Lunch y Posters

15:45-17:30 Symposium 2: Get nutrition moving - Diet-exercise interactions and other life factors
Chair: Fernando Fernández Aranda

15:45 ***Pablo García-Rovés***. Facultad de Medicina y Ciencias de la Salud, Universitat de Barcelona. IDIBELL.
Effects of diet and exercise interventions on metabolic plasticity: Studies in preclinical models

16:15 ***Mª Rosa Bernal López.*** CIBEROBN. Instituto de Investigación Biomédica de Málaga (IBIMA).
Life style modification via Mediterranean diet (MedDiet) and physical activity in infantile populations

16:45 ***OC-4:*** **Cofán et al. (#28)** *Effects of a walnut-enriched diet for 2 years on circulating inflammatory biomarkers of atherosclerosis*

17:00 ***OC-5:*** **Mena et al. (#45)** Association Between dairy product consumption and hyperuricemia in an elderly population with metabolic síndrome

17:15 ***OC-6:*** **Hernáez et al. (#71)** Mediterranean Diet improves thrombosis biomarkers in high cardiovascular risk individuals: a randomized controlled trial

17:30-18:00 Break

18:00-19:00 *PLENARY LECTURE 1*
Chairs: Carlos Diéguez / Gema Frühbeck

Geltrude Mingrone, Department of Internal Medicine, Catholic University of Rome. member of SAB CIBEROBN

Long term remission of type 2 diabetes after metabolic surgery and mechanisms of action

19:00-20:00 Timeslot for inter-group or program meetings

20:30 Dinner

Thursday 21 NOVEMBER 2019

9:00-11:00 **Symposium 3**: *Omic approaches in Nutrition and Obesity research*
Chair: *María del Mar Malagón*

9:00 ***Lidia Daimiel***. Instituto IMDEA-Food (IMDEA Alimentación)
Nutritional modulation of the epigenome

9:30 ***Ana Belén Crujeiras***. Molecular Endocrinology group – CHUS/IDIS
Genomics and Epigenomics in Obesity and Cancer

10:00 ***OC-7:*** **Perdices-Lopez et al. (#12)** Obesity-induced hypogonadism: Pathophysiological role of a novel hypothalamic miRNA/ Kisspeptin pathway and potential therapeutic implications

10:15 ***OC-8:*** **Martínez-Lacruz et al. (#57)** A polygenic risk score including olfactory receptor genes is strongly associated with the olfactory function and with cognitive performance in older subjects using Mendelian randomization

10:30 ***OC-9:*** **Gutiérrez et al. (#40)** Mucosa-associated microbiota in the jejunum of patients with morbid obesity: Alterations in states of insulin resistance and metformin treatment

Jejunal microbiota in morbid obesity

10:45 ***OC-10:*** **Palou et al. (#77)** Metabolomic approach in milk from moderate calorie-restricted rats during lactation: a potential link to the programming of a healthy phenotype in offspring

11:00-11:30 **Break**

11:30-13:30 **Symposium 4**: *Biomarkers in Nutrition and Obesity research*
Chair: *Andreu Palou*

11:30 **Catalina Picó**. CIBEROBN – Universitat Illes Balears
From classical to next-generation biomarkers in obesity and nutrition research

12:00 **Dolores Corella**. CIBEROBN – Universidad de Valencia
Predictive genetic markers

12:30 ***OC-11:*** **Camino et al. (#24)** Human obese white adipose tissue secretes functional depot-specific extracellular versicles containing candidate abesity biomarkers

12:45 ***OC-12:*** **Martos-Moreno et al. (#33)** Late hyperinsulinemic response in the OGTT is associated to lower insuline sensitivity and a worse metabolic profile in obese children

13:00 ***OC-13:*** **Rangel et al. (#53)** Use of miRNAs to select a dietary model to prevent the development of type 2 diabetes mellitus in patients with cardiovascular disease: from the CORDIOPREV study

13:15 ***OC-14:*** **Santos-Lozano et al. (#59)** Safety of oleanolic acid administration in prediabetic patients the prediabole trial

13:30-15:00 Lunch y Posters

15:00-16:00 *PLENARY LECTURE 2*

Chair: Jordi Salas-Salvado/Francisco Tinahones

Lluis Fajas Coll, Center for Integrative Genomics, CIG, Lausanne. member of SAB CIBEROBN
Metabolic pathways: highway to hell or stairway to heaven

16:00-18:00 Symposium 5: *Cohort Studies at and around CIBEROBN*
Chair: *Estefanía Toledo*

16:00 ***Mercedes Gil-Campos***. CIBEROBN/HURS/IMIBIC/Universidad de Cordoba
The CORALS study-Seeking the risk factors for obesity research

16:30 ***Miguel Ángel Martínez***. Universidad de Navarra & CIBEROBN
Revisiting PREDIMED and PREDIMED-Plus

17:00 ***Javier Delgado Lista***. CIBEROBN/HURS/IMIBIC
The CORDIOPREV study: Results so far

17:30 Closing of the annual meeting