

6th MetNet International Annual Meeting 2020
The key role of Crosstalk in Metabolic control
28-29th September



SEPTEMBER 28th ROUND TABLE AND OPEN DEBATE:

16-19h **HOW –OMICS AND BIG DATA ANALYSIS HAVE IMPACTED METABOLISM RESEARCH?**

SEPTEMBER 29th THE KEY ROLE OF CROSSTALK IN METABOLIC CONTROL

1. ORGAN, TISSUE AND CELLULAR CROSSTALK

9.30-9.45h Welcome

9.45-10.20h **Sonia Fernández Veledo** (IISPV-CIBERDEM-URV) **Succinate/SUCNR1 axis: at the crossroad between immunity and metabolism**

10.20-10.55h **Joan Villarroya** (UB) **Batokines: where we are?**

10.55-11.30h **Gemma Chiva Blanch** (IDIBAPS) **Extracellular vesicles as biomarkers of cardiometabolic diseases**

11.30-11.45h **SHORT TALKS:** **Kevin Ibeas** (IBUB) **CPT1A in AgRP neurons as a modulator of endurance, muscle mass and locomotor activity** **Marianela Bastías-Pérez** (IBUB) **In vivo activation of lipid metabolism in brown adipose tissue with CPT1AM** **M Carmen Soler-Vázquez** (IBUB) **Transplantation of a functional adipose tissue with enhanced lipid oxidation reduces obesity and glucose intolerance**

11.45-12.15h Pause

2. HOST-MICROBIOTA CROSSTALK

12.15-12.50h **Marc Noguera Julian** (IrsiCaixa) **The Gut Metabolome in HIV infection**

12.50-13.25h **Óscar Yanes** (URV-CIBERDEM) **Exploring the microbiota-host epigenetics axis in diet-induced obese mice upon lifestyle intervention**

13.25-14.00h **M^a Carmen Collado** (IATA) **Implications of Microbiota-diet interactions on the maternal-neonatal interface**

14.00-14.15h **SHORT TALKS** **Anna Fosch** (UIC) **Differential effects of saturated and unsaturated fatty acids on central regulation of brown fat thermogenesis**

Ana Cristina Reguera (UIC) **Neuron-specific CPT1C regulates the activity of the endocannabinoid hydrolase ABHD6 depending on nutrient availability** **Sebastian Zagmutt** (UB) **AGRP neurons-specific CPT1A deletion increases energy expenditure by enhancing brown adipose tissue activity**

14.15-15.45h Lunch break

3. INTRACELLULAR CROSSTALK

15.45-16.20h **Sara Cogliati** (CNIC-Madrid) **The electron transport chain organization shapes metabolism**

16.20-16.55h **Rossella Venditti** (TIGEM-Naples) **Function and regulation of endoplasmic reticulum-Golgi contact sites: roles and perspectives in cellular metabolism**

16.55-17.30h **Estela Area Gómez** (Columbia University, NY, USA) **The Alzheimer's disease-associated C99 fragment of APP regulates cellular cholesterol trafficking**

17.30-17.50h Awards and closing remarks