Program

8:30-9:00  Registration and documentation pickup

9:00-9:10  Welcome

**Session I**
Chair: Joan-Marc Servitja

9:10-9:50  **Marc Donath** (University of Basel, Switzerland)
Crosstalk between resident immune cells and endocrine cells in pancreatic islets

9:50-10:30 **Maria Mittelbrunn** (CBMSO, Madrid)
Immunometabolism in inflammatory diseases and aging

*Short talks:*

10:30-10:45 **OP1 Carlos Castaño** (CIBERDEM-IDIBAPS)
Obesity-associated exosomal miRNAs modulate glucose and lipid metabolism in mice

10:45-11:00 **OP2 David Sebastian** (IRB)
Regulation of mitochondrial plasticity by Mfn2 drives metabolic flexibility

11:00-11:30 Coffee Break
Session II
Chair: Laura Herrero

11:30-12:10 Paula Mera (Facultat de Farmàcia, UB, IBUB)
Bone endocrine regulation of energy metabolism

12:10-12:50 Manolo Tena-Sempere (IMIBIC, Córdoba)
Metabolism and reproductive function

Short talks:

12:50-13:05 OP3 Rebeca Fernández-Ruiz (CIBERDEM-IDIBAPS)
Identification of wisp-1 as a young blood-borne factor that promotes adult pancreatic β cell proliferation

13:05-13:20 OP4 Melisa Morcillo (Facultat de Farmàcia, UB, IBUB)
Activation of the Jun NH2-terminal (JNK) in pancreatic β cells protects against obesity-induced insulin resistance

13:30-15:00 Lunch

Session III
Chair: Rosa Gasa

15:00-15:40 Sylvia Boj (Foundation Hubrecht Organoid Technology, Utrecht, the Netherlands)
Organoids as model systems for the study of metabolism

15:40-16:20 Josep C. Jiménez-Chillarón (IRSJD, Barcelona)
Epigenome-wide association study in childhood obesity: Searching for new causal markers

16:20-17:00 Mariona Graupera (IDIBELL, Barcelona)
Role of the endothelium in the control of metabolism

Short talks:

17:00-17:15 OP5 Alicia G Gómez-Valadés (IDIBAPS)
Mitochondrial fusion protein Opa1 links mitochondrial dynamics in POMC neurons with fasting-induced adipose tissue lipolysis

17:15-17:30 OP6 Marion Peyrou (IBUB)
Kininogen is involved in the remodeling of fat tissue

17:30-17:40 Closing act

17:40-19:30 Drinks and networking