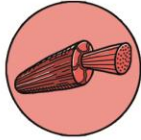


12TH ANNUAL METNET INTERNATIONAL MEETING  
**FROM METABOLIC CROSSTALK TO  
THERAPEUTIC INNOVATION**



BARCELONA, SPAIN  
OCTOBER 29-30, 2026



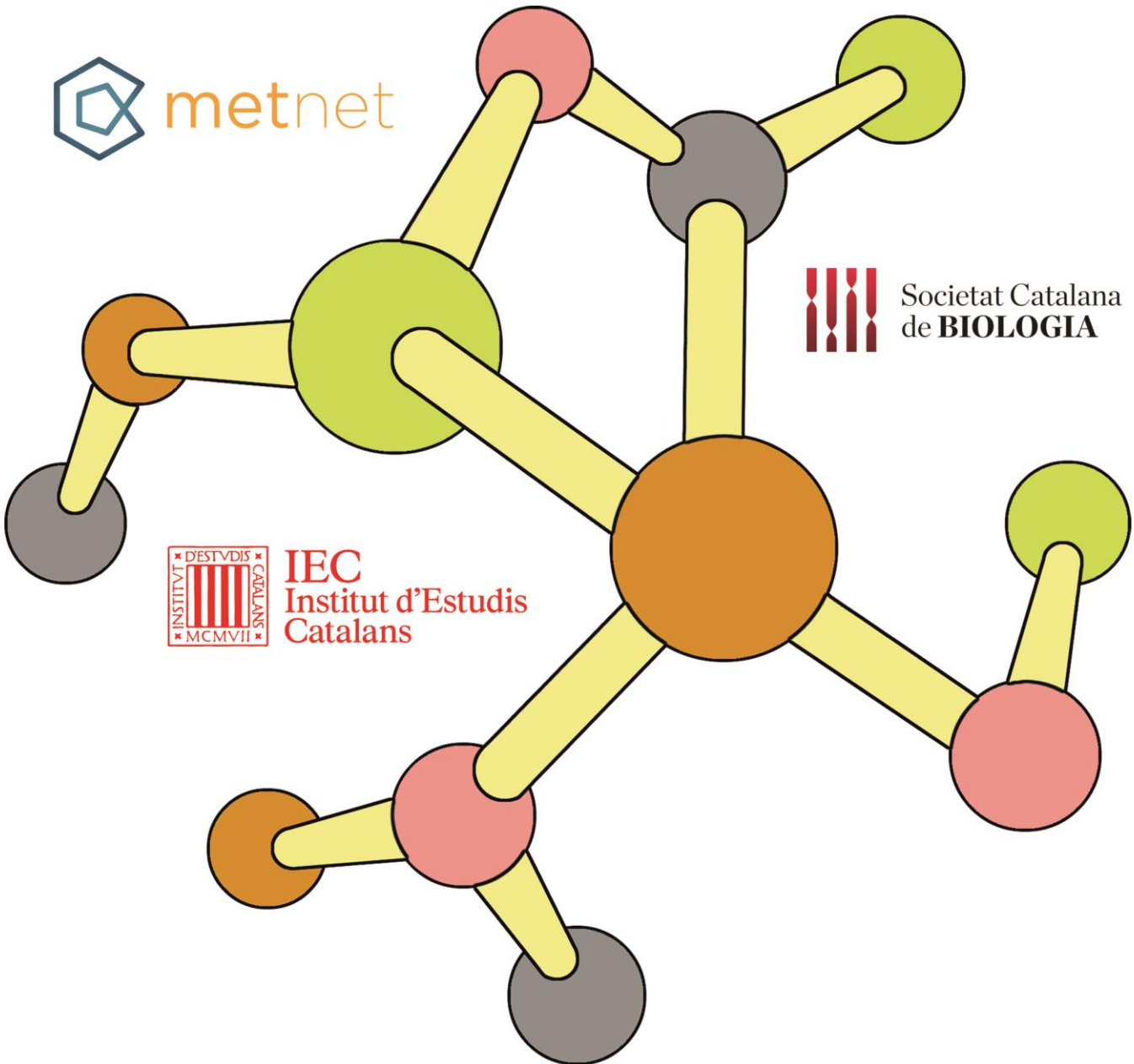
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Societat Catalana  
de **BIOLOGIA**



**IEC**  
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Catalans





## **DAY 1 | 29<sup>th</sup> October 2026**

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8:15-9:00 **Registration**

9:00-9:15 **Welcome**

### **Session 1 | Adipose tissue-islet communication: mechanisms and therapeutic insights | Chair: Rebeca Fernandez**

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9:15 - 9:45 **Estela Lorza Gil**, Institute for Diabetes Research and Metabolic Diseases of the Helmholtz Center Munich at University of Tübingen (IDM), Germany.

**Title: Molecular crosstalk between pancreatic adipose tissue and islets**

9:45- 10:15 **Fawaz Alzaid**, INSERM Institut Necker, Paris, France-Dasman Diabetes Institute, Kuwait City, Kuwait.

**Title: Energetic and transcriptional control of inflammation in diabetes**

10:15-10:45 **Short talks session selected from abstracts and flash poster presentations**

10:45–11:15 **Coffee Break + Sponsor stands**

### **The EMBO Keynote Lecture**

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11:15–12:00 - EMBO Keynote speaker: **Susanne Mandrup**, University of Southern Denmark, Denmark

**Title: Adipose tissue plasticity at single cell resolution**

### **Session 2 | Adipose tissue crosstalk across the lifespan and sexual dimorphism | Chair: Marijana Todorovic**

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12:00-12:30 **Fredrik Karpe**, University of Oxford, United Kingdom

**Title: Metabolic fuel trafficking as signals for tissue metabolic homeostasis**

12:30-13:00 **Kathrin Landgraf**, University of Leipzig, Germany

**Title: Drivers of adipose tissue dysfunction during the development of obesity in children**

13:00–15:00 **Finger food lunch + Sponsor stands**

14:00: **Visit to the Royal Academy of Medicine of Catalonia** (Optional; prior registration required)

### **Session 3 | Advanced methodologies in metabolic research | Chair: Chair: Joel Montané**

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15:00–16:30 - Industry & Technology Session

**Advanced Imaging Solutions: Spatial Biology and Multiplexing (Leica microsystems)**

**AI Tools in Biomedical Research: From prediction to prevention: lessons from 20 years of digital phenotyping and AI in translational medicine (Aleksandar Matic, Koa Health)**

**Omics & Bioinformatics: Inflammation-induced chromatin remodeling reveals beta cell vulnerabilities (Lorenzo Pasquali, Universitat Pompeu Fabra, Spain)**

**3D Biology 2.0: Innovación, aplicaciones y casos prácticos con Seahorse, xCELLigence eSight y Cytation (Agilent)**

16:30-17:00 **Short talks session selected from abstracts**

17:00-19:00 **Wine & cheese networking reception**

**DAY 2 | 30<sup>th</sup> October 2026**

**Session 4 | Novel therapies for metabolic and rare diseases | Chair: Marijana Todorcevic**

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09:00–09:30 **Jorge Ivan Álvarez**, University of Pennsylvania, USA

**Title: Neurovascular Metabolic Susceptibility in a Human Genetic Model of Psychiatric Disease**

9:30–10:00 **Cristina Fornaguera**, IQS, Universitat Ramon Llull, Spain

**Title: Engineering RNA Nanomedicines for Rare Vascular-Metabolic Diseases**

10:00–11:00 Short talks session selected from abstracts

11:00–11:30 Coffee & refreshments + Workshops + Sponsor stands

**Session 5: Fuel flux and organ dialogues: brown adipose tissue, liver and pancreas | Chair: Rebeca Fernandez**

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11:30–12:00 **Ángela Valverde**, Instituto de Investigaciones Biomedicas Sols-Morreale (Centro Mixto CSIC-UAM) and CIBERDEM (ISCIII), Madrid, Spain.

**Title: Inter-organ crosstalk in metabolic reprogramming induced by incretin multiagonism to tackle obesity and co-morbidities**

12:00–12:30 **Marta Giralt Oms**, Universitat de Barcelona, Spain. Novogene Technology Olink

**Title: Brown adipose tissue: a source of metabolic regulators.**

12:30–13:30 Short talks session selected from abstracts and flash poster presentations

13:30–15:00 Finger food lunch + Sponsor stands

14:00: Visit to the Royal Academy of Medicine of Catalonia (Optional; prior registration required)

**Session 6: Lifestyle, environment and metabolic health | Chair: Joel Montané**

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15:00–15:30 **Javier Botella**, University of Lausanne, Switzerland

**Title: Mitochondrial regulation in human skeletal muscle: the role of exercise intensity**

15:30–16:00 **David Sebastián**, Universitat de Barcelona, Spain

**Title: Temporal mapping of mitochondrial fitness in obesity-related metabolic disease**

16:00–17:00 Short talks session selected from abstracts

17:00–17:30 Concluding remarks and farewell



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**Organizing Committee:** Rebeca Fernández (IDIBAPS, CIBERDEM), Joel Montané (Blanquerna, URL), Marijana Todorovic (UB)

**Secretariat:** Maria Àngels Gallego and Paqui Lorite, SCB-IEC, Barcelona (Spain): [scb@iec.cat](mailto:scb@iec.cat)

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