



## 8<sup>th</sup> MetNet International Annual Meeting: Metabolism and disease: new perspectives

October 17- 18<sup>th</sup> 2022.

Sala Prat de la Riba, Institut d'Estudis Catalans. Carrer del Carme, 47. Barcelona.

### Monday, October 17th, 2022.

9:00 – 9:25 Registration

9:30 – 9:40 Welcome

#### SESSION 1.

Chair: *María Isabel Hernández-Alvarez*

9:40 – 10:40 Carles Cantó. École polytechnique fédérale de Lausanne. Switzerland.

##### *The social life of mitochondria*

10:40 – 11:10 Meritxell Espino. Sidra Medicine, Qatar.

##### *Immunoprofiling of childhood onset diabetes*

11:10 – 11:30 Marijana Todorovic. Oxford Centre for Diabetes, United Kingdom.

##### *Should we trust the mainstream media?*

11:30 – 11:50 Ivonne Palacios Marín. Institut de Recerca Sant Joan de Déu, Spain.

*Neonatal overfeeding permanently programs hypertrophic adiposity: potential implications of adipose tissue turnover*

11:50 – 12:30 Coffee break | **Posters Session 1**

#### SESSION 2.

Chair: *Tania Paloma Quesada-López*

12:30 – 13:00 Thomas Kreig. Cambridge, United Kingdom.

##### *Mitochondrial metabolism as a treatment target in ischemia*

13:00 – 13:30 Rui Eduardo Castro. Universidade de Lisboa, Portugal.

##### *microRNAs in NAFLD: metabolic drivers and therapeutic targets*

13:30 – 13:50 Jorge Infante Menéndez. Universidad Complutense de Madrid, Spain.

*Role of let-7d-5p in the onset of insulin resistance in Non-Alcoholic Fatty Liver Disease and its potential as a biomarker for non-invasive diagnosis*

13:50 – 14:10 Albert Blasco-Roset. Universitat de Barcelona, Spain.

*Acyl-CoA Binding Protein (ACBP/DBI) protects against cardiac hypertrophy in association to lipid metabolism modulation*

14:10 – 15:30 Finger lunch | **Posters Session 1**

#### SESSION 3.

Chair: *Susanna Bodoy*

15:30 – 16:00 Guillaume Bidault. Cambridge, United Kingdom.

##### *Adipose tissue lipotoxicity and metabolic syndrome*

16:00 – 16:30 Ana Paula Arruda. University of California Berkeley, USA.

##### *Remodeling of endoplasmic reticulum shape in metabolic health and disease*

16:30 – 17:00 Mayka Sánchez-Fernández. Universitat Internacional de Catalunya, Spain.

##### *Iron metabolism and iron-related diseases*

17:00 – 17:20 Naroa Goikoetxea. CIC bioGUNE and CIBEREHD, Spain.

*Senescence and iron accumulation, hand in hand during the progression of nonalcoholic fatty liver disease*

17:20 – 17:40 Ignasi Barba. Vall d'Hebron Institut d'Oncologia (VHIO), Spain.

##### *The effects of LIF on tumour microenvironment metabolism*

- 17:40– 18:00** Anna Marsal-Beltran. Pere Virgili Health Research Institute (IISPV), Spain.  
***Sucnr1 deficiency alleviates fibrosis but worsens hepatic steatosis and glycogen storage in diet-induced NASH***
- 18:00 – 18:20** Josep Julve. Fundació Institut de Recerca de l'Hospital de la Santa Creu i Sant Pau, Spain.  
***Ceramide signature as a mediator of non-alcoholic fatty liver disease and associated diabetic cardiomyopathy***
- 18:20** Scientific networking and refreshments | **Posters Session 2**

## Tuesday, October 18th, 2022.

### SESSION 4.

- Chair:** *María Isabel Hernández-Alvarez*
- 9:30 – 10:00** María Jesús Moreno-Aliaga. Universidad de Navarra, Spain.  
***DHA-derived specialized pro-resolving lipid mediators and brown adipose tissue function***
- 10:00 – 10:20** Ana Vujic. Cambridge, United Kingdom.  
***Interference with mitochondrial RET-ROS generation results in metabolic changes and heart failure with preserved ejection fraction***
- 10:20 – 10:40** Maria Jurado Pueyo, Spain. Promega Biotech Ibérica.  
***Bioluminescent tools to interrogate Metabolism and Oxidative Stress***
- 10:40 – 11:10** Coffee break | **Posters Session 2**
- 11:10 – 11:40** Marc Liesa. Institut de Biologia Molecular de Barcelona, Spain.  
***Mechanisms of mitochondrial adaptation and maladaptation to metabolic diseases***
- 11:40 – 12:00** Francesc Josep García García. Cellex-IDIBAPS, Spain.  
***Mitochondrial and metabolic effect of Omega-3 diet in a rabbit model of intrauterine growth restriction***
- 12:00 – 13:00** Stephen Forrow. Institut de Recerca Biomèdica, Barcelona.  
***Workshop: Recent techniques to generate gene mutations in mice***
- 13:00** Concluding remarks and scientific communication awards.

### MetNet Organizing Committee 2022:

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### THANKS TO:

