

LIPID SIGNALING AND OXIDATIVE STRESS IN PATHOLOGY SYMPOSIUM

December 1-2, 2022. AUDITORIUM. Institutional Delegation of CSIC in Cataluña.
C/Egipcíaques 15-Barcelona (Spain)

Preliminary Program

Thursday December 1st

09:00 *Welcome Greetings*

José Carlos Fernández-Checa. IIBB-CSIC

09:05 *Opening remarks*

Carmen García-Ruiz. IIBB-CSIC

09:15 *Keynote Lecture*

Neil Kaplowitz. University of Southern California (USA)

“Dealing with stress”

10:15-11:15 **SESSION 1**

Lipids in health and disease (I)

Jesús Balsinde. IBGM (Valladolid-Spain)

“Stories About Plasmalogens”

Ina Bergheim. University of Vienna (Austria)

“Effects of fructose and NO homeostasis on intestinal barrier function in the development non-alcoholic fatty liver disease (NAFLD)”



Fabián Arenas. Institute of Biomedical Research August Pi I Sunyer. Barcelona (Spain)

“Mitochondrial Cholesterol: a silent death in Alzheimer Disease”

11:15-11:45 **Coffee break**

11:45-12:45 **SESSION 1**

Lipids in health and disease (II)

Isabel Mérida. CNB (Madrid-Spain)

Lipid-based signals: from liver disease to tumor immune evasion

Gemma Fabriás. IQAC-CSIC (Barcelona-Spain)

Chemical tools to study acid ceramidase



Vicent Ribas. Institut of Biomedical Research August Pi I Sunyer. Barcelona (Spain)

Cholesterol in hepatocellular carcinoma: not just a neutral fat

12:45-15:00 Lunch & Posters view

15:00-16:00 SESSION 2

Reactive Oxygen Species: Role in Physiological and Pathological Processes

Cecilia Rodrigues. University of Lisbon (Portugal)

Metabolic liver disease: leaping forward

Matias Ávila. CIMA-Universidad de Navarra (Spain)

Epigenetics in chronic liver injury and cancer

Pilar Navarro. IIBB-CSIC. (Barcelona-Spain)

Bringing light to pancreatic cancer darkness: novel selective PARP2-targeted therapies

16:00-16:30 Coffee Break

16:30-16:50 Plenary Lecture

We-Xing Ding. University of Kansas Medical Center (USA)

Autophagy and lysosome biogenesis in acetaminophen-induced liver injury

16:50-18:00 SESSION 3

Drug-Induced Liver Injury Session

Francisco Javier Cubero. University Complutense of Madrid (Spain)

Role of Endoplasmic Reticulum (ER) stress in acetaminophen (APAP)-mediated toxicity

Raúl Andrade. University of Malaga (Spain)

Challenges in Diagnosis and management in drug-induced liver injury

Einar Stefan Bjornsson. Landspítali University Hospital (Iceland)

DILI due to biological agents

José Carlos Fernández-Checa. Spanish National Research Council (Spain)

Cholesterol and DILI

Friday December 2nd

09:00-09:50 *Plenary Lecture*

Miles Cabot. University of East Carolina (USA)

Blocking ceramidase and glucosylceramide synthase elicits a ceramide tsunami
– therapeutic approaches in chemotherapy resistant acute myeloid leukemia

09:50-11:15 **SESSION 4**

Lipids and metabolism

Marc Claret. Institute of Biomedical Research August Pi I Sunyer. Barcelona (Spain)

Vascular mitohormesis couples Mfn2 with improved systemic metabolism and healthspan

Maria Angeles Balboa. IBGM-CSIC (Valladolid-Spain)

Lipins in Innate Immunity and Inflammation

José Juan García Marín. University of Salamanca (Spain)

A novel peroxisomal alteration affecting bile acid side chain shortening:
ACOX2-deficiency associated hypertransaminasemia (ADAH)



Sandra Torres Núñez. Institute of Biomedical Research of Barcelona (Spain)

The complex functional interplay between mitochondrial cholesterol and NLRP3 inflammasome

11:15-11:45 **Coffee break**

11:45- 13:30 **Postdoctoral and Predoctoral Fellows Free Oral Communications**



13:30-16:00 **Lunch and Posters view**

16:00 **Concluding Remarks and Distinguished Awards**