**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**. Landspitality 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-defficiency 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**