

Organizers:
Paulo J Oliveira
(Coimbra, Portugal)
Catarina R Oliveira
(Coimbra, Portugal)



Coimbra, Portugal, 22-24 May 2019



Symposium 4 | Nutrition and Hepatology

Organizer: Piero Portincasa (Bari, Italy)
Joana Espírito Santo (Coimbra, Portugal)
Armando Carvalho (Coimbra Portugal)
M Paula Macedo (Lisbon, Portugal)

Day: Thursday 23 all day and Friday 24 morning

Meeting room: Thursday 23 and Friday 24: Meeting Room S. Clara & D. Pedro, Hotel Dona Inés (Congress venue 2)

Wednesday, 22 May

14.00-16.00 **Session 1 : FOIE-GRAS: Translational Focus on NAFLD & Mitochondria (I)**

Joint session with Symposium 1: Mitochondria

Chairs: Paulo Oliveira (Coimbra, Portugal)
Carlos Palmeira (Coimbra, Portugal)

14:00-14:30 **Non-alcoholic fatty liver disease - from the bedside to the bench**
Piero Portincasa (Bari, Italy)

14:30-15:00 **Role of mitochondria in de novo lipogenesis and fatty liver disease**
John Jones (Coimbra, Portugal)

15:00-15:30 **Alterations in the mitochondrial function and proteome in Non-Alcoholic Fatty Liver Disease**
Mariusz Wieckowski (Warsaw, Poland)

15:30-16:00 **Developmental programming of NAFLD in rodents and primates**
Peter Nathanielsz (Laramie, WY, USA)

16:00-16:30 Coffee-break

16.30-18.00 **Session 2 : FOIE-GRAS: Translational Focus on NAFLD & Mitochondria (II)**

Joint session with Symposium 1: Mitochondria

Chairs: Piero Portincasa (Bari, Italy)
Mariusz Wieckowski (Warsaw, Poland)

16:30-17:00 **Mitochondrial ALDH2 modulation in fatty liver preservation**
Joan Rosselo-Catafau (Barcelona, Spain)

17:00-17:15 Speaker selected from submitted abstracts

17:15-17:45 **Hydrogen sulfide and mitochondrial function in Non-Alcoholic Fatty Liver Disease**
Carina Prip-Buus (Paris, France)

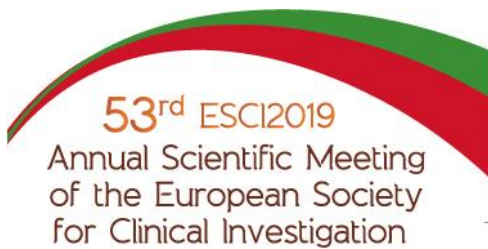
17:45-18:00 Speaker selected from submitted abstracts (10')

18.00 - 19.00 Opening Ceremony

19.00 - 20.00 Opening lecture by a Key-note speaker

20.00 - 21.00 Welcome drink

21.00 - 22.00 Champions League in Biomedicine and Experimental Biology



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Thursday, 23 May

08.30-10.00 **Session 3: The burden of metabolic disorders in the Society**

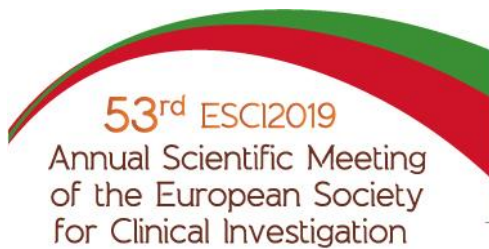
Chairs: Piero Portincasa (Bari, Italy)
Paula Macedo (Lisbon, Portugal)

- 08.30-08.40 **Forewords: why we are here**
Piero Portincasa (Bari, Italy), Paula Macedo (Lisbon, Portugal)
- 08.40-09.05 **Multiple facets of the gut-liver dialogue in dysmetabolism**
Paula Macedo (Lisbon, Portugal)
- 09.05-09.30 **Can we undo our fat future?**
Gema Fruhbeck (Pamplona, Spain)
- 09.30-10.00 3 Speaker selected from submitted abstracts (10' each)
- 10.00-10.30 Coffee-break

10.30-12.30 **Session 4: Gastrointestinal and nutritional aspects**

Chairs: Armando Carvalho (Coimbra, Portugal)
Joana Espírito Santo (Coimbra, Portugal)

- 10.30-10.55 **Hepatic outcomes of Metabolic surgeries**
Mariana Monteiro (Porto, Portugal)
- 10.55-11.20 **NAFLD and nutritional aspects**
Jorge Leitão (Coimbra, Portugal)
- 11.20-11.45 **Nutrition and Mitochondria**
Hans Zischka (Munich, Germany)
- 11.45-11.55 Speaker selected from submitted abstracts (10' each)
- 11.55-12.05 Speaker selected from submitted abstracts (10' each)
- 12.05-12.15 Speaker selected from submitted abstracts (10' each)
- 12.15-12.25 Speaker selected from submitted abstracts (10' each)
- 12.30-14.00 Poster session 1 and lunch



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14.00-16.00 Session 5: Lipids and metabolism

Chairs: Paulo Oliveira (Coimbra, Portugal)
Fabrizio Montecucco (Homburg, Germany)

- 14.00-14.25 **Epicardic fat assessment: a clue to metabolic syndrome**
Federico Carbone (Genoa, Italy)
- 14.25-14.50 **Clinical relevance of genetic modifiers of chronic liver injury**
Marcin Krawczyk (Homburg, Germany)
- 14.50-15.15 **Neuroprotective effects of anthocyanins are mediated by gut microbiota**
Claudia Marques
- 15.15-15.40 **Role of maternal obesity in fetal mitochondrial function in sheep model**
Susana Pereira (Coimbra, Portugal)
- 15.40-16:00 **Therapy of hypercholesterolemia, PCR and CV risk**
~~Aldo Bonaventura (Genoa, Italy)~~
- 16:00-16:30 Coffee-break

16.30-18.00 Session 6: Fat, HDL, iron and the liver

Joint session with Symposium 3: Cardiovascular diseases

Organizer: Robin Dullaart
Chairs: Piero Portincasa (Bari Italy)
Margery Connelly (Raleigh, USA)

- 16.30-17.00 **Vitamin A metabolism in liver disease**
Klaas Nico Faber (University of Groningen, Netherlands)
- 17.00-17.15 **Hepcidin and the liver: friend or foe?**
Michele Eisenga (University of Groningen, Netherlands)
- 17.15-17.30 **NAFLD: the metabolic syndrome and beyond**
E. van den Berg (University of Groningen, Netherlands)
- 17.30-17.40 Speakers selected from submitted abstracts (10' each)
17.40-17.50 Speakers selected from submitted abstracts (10' each)
17.50-18.00 Speakers selected from submitted abstracts (10' each)
- 18.00-19.30 Poster session 2
20.30 Congress dinner



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Friday, 24 May

08.30-10.00 **Session 7: Novel aspects of liver steatosis**

Chairs: Marcin Krawczyk (Homburg, Germany)

08.30-08.55 **The potential of circulating MtDNA as a biomarker of liver dysfunction and other metabolic disorders**

Afshan Malik (London, UK)

08.55-09.20 **Alterations of lipid metabolism and oxidation in NAFLD**

Amalia Gastaldelli (Pisa, Italy)

09.20-09.45 **Oxidative stress in development of NAFLD**

Mariusz Wieckowski (Warsaw, Poland)

09.45-10.00 **Metabolic disorders in Romania: emerging trends**

Dan L. Dumitrascu (Cluj-Napoca, Romania)

10:00-10:30 Coffee-break

10.30-12.30 **Session 8: Metabolism, gastrointestinal, liver and more**

Chairs: Giuseppe Calamita (Bari, Italy)

Afshan Malik (London, UK)

10.30-10.45 **Liver and exosomes**

Bruno Costa-Silva (Lisboa, Portugal)

10.45-11.00 **Aquaglyceroporins: drug targets for metabolic diseases**

Giuseppe Calamita (Bari, Italy)

11.00-11.15 **Physical activity in the liver: an update from the FOIE GRAS project**

Emilio Molina (Bari, Italy)

11.15-11.25 Speaker selected from submitted abstracts

11.25-11.35 Speaker selected from submitted abstracts

11.35-11.45 Speaker selected from submitted abstracts

11.45-11.55 Speaker selected from submitted abstracts

11.55-12.05 Speaker selected from submitted abstracts

12.05-12.15 Speaker selected from submitted abstracts

12.15-12.25 Speaker selected from submitted abstracts

12.25-12.30 **Take Home message**

Piero Portincasa (Bari, Italy)

12.30-14.00 Poster session 3 and lunch

14.00-16.30 Multi-focus plenary session, ESCI Prizes and Closing Ceremony