

Thursday  
May 9

### Session 5: NAFLD from the Patients perspective

Chair: Maria Paula Macedo (Portugal); Luca Miele (Italy)

09:00 - 09:20 **Insights on patient empowerment**

João Filipe Raposo (Portugal)

09:20 - 09:30 **NAFLD Awareness amongst T2DM patients – A qualitative case study at the Portuguese Diabetic Association (APDP).**

Mireia Alemamy (Portugal)

### Session 6: NAFLD: heterogeneity, progression and therapeutic approaches

Chair: Amalia Gastaldelli (Italy); Melania Manco (Italy)

09:30 - 09:55 **Bariatric Surgery as an option treatment for NASH**

Geltrude Mingrone (Italy)

#### Short Talks Chosen from Abstracts >>>>>>>>>

09:55-10:05 **Effect of the GLP-1RA exenatide or diet in the metabolomic profile of morbid obese NAFLD.**

Barbara Patrício (Italy)

10:05 -10:15 **<sup>13</sup>C NMR of hepatic triglyceride from mice fed fructose plus [U-<sup>13</sup>C]glucose informs the contribution of glucose to de novo lipogenesis and elongation of specific fatty acid classes**

Getachew Belew (Portugal)

10:15-10:25 **Role of aldehyde dehydrogenase 2 (ALDH2) in fatty liver preservation**

Rui Silva (Spain/Portugal)

10:25-10:30 **General Discussion**

10:30- 11:15 **Coffee-break**

11:15-11:40 **Functional (dynamic) tests for the evaluation of the liver damage & progression?**

Piero Portincasa (Italy)

11:40-12:00 **NAFLD/NASH Controversies and new frontiers**

Helena Cortez Pinto (Portugal)

12:00-12:30 **Best Abstract Prize**

Meeting Wrap-Up and round table: Outcomes and future challenges

13:00 **Departure**

# 7<sup>th</sup> EASD NAFLD STUDY GROUP MEETING

MAY 8-9 2019 LISBON

NOVA Medical School | Faculdade de Ciências Médicas

## NAFLD/NASH Progression, New Frontiers and Controversies

### Information

[www.naflid.weebly.com](http://www.naflid.weebly.com)  
[diabetes.int@apdp.pt](mailto:diabetes.int@apdp.pt)

NOVA MEDICAL SCHOOL  
FACULDADE DE CIÊNCIAS MÉDICAS



SOCIETATE PORTUGUEZA  
DIABETOLOGIA  
PORTUGUESE  
SOCIETY OF DIABETOLOGY



Organization

NOVA MEDICAL SCHOOL  
FACULDADE DE CIÊNCIAS MÉDICAS



Dear Colleagues,

It is an honor to welcome you to Lisboa, Europe's second oldest capital, full of stories to tell and offering a wide variety of interesting attractions: wonderful architecture, unique monuments, vibrant cultural life and great natural sightseeing over the river and sea. In Lisboa you will find the much appreciated Portuguese food: fresh grilled fish, seafood and the beloved "bacalhau" (salted cod) recreated in over a thousand different ways. Not forgetting FADO, the world heritage traditional Portuguese music, filled with memories and longing for our loved ones. Lisboa, once home to the world's greatest explorers from where Vasco da Gama and Pedro Alvares Cabral left to reach India and Brazil among many other discoveries that turned the unknown world into a global village, is now becoming a privileged place to share and discuss new scientific discoveries. Please enjoy, and keep in mind that this is always a rewarding meeting, with opportunities to make new contacts, meet old friends and stimulate creative exchanges.

With very best regards from the Organizing Committee,

Maria Paula Macedo  
John G. Jones  
Amalia Gastaldelli

**Wednesday**  
May 8

09:00-09:30 REGISTRATION (EASD-NAFLD Study Group)

09:30 Welcome and Keynote Address: Maria Paula Macedo

### Session 1: Big data and patient stratification: from genetics to deep phenotyping

Chair: Norbert Stefan (Germany); Piero Portincasa (Italy)

09:50 - 10:15 Human genetics of fatty liver: from understanding susceptibility to treatment  
Stefano Romeo (Sweden)

10:15 - 10:40 NASH: Markers of disease progression  
Jean-François Dufour (Switzerland)

#### Short Talks Chosen from Abstracts >>>>>>>>>

10:40-10:50 NAFLD: A shade of grey in the diabetogenic "palette".  
Ana Pina (Portugal)

10:50-11:00 A novel deep learning algorithm to quantify liver fat content and distribution in non-alcoholic fatty liver disease in humans.  
Sami Qadri (Finland)

11:00-11:10 Longitudinal prognostic value of the most common algorithms for fibrosis in non-alcoholic fatty liver disease. an international study in non-cirrhotic, biopsy-proven patients.  
Ramy Younes (Italy)

11:10 - 11:15 General Discussion

11:15 - 11:40 **Coffee-break**

### Session 2: Why should we care about NAFLD in the context of diabetes?

Chair: M Paula Macedo (Portugal), Jean-François Dufour (Switzerland)

11:40 - 12:05 Lipotoxicity in NAFLD and Type 2 Diabetes  
Amalia Gastaldelli (Italy)

#### Short Talks Chosen from Abstracts >>>>>>>>>

12:05 - 12:15 Selenoprotein P levels are related to peripheral and adipose tissue insulin resistance and increased according to hepatic fibrosis in non-diabetic subjects with non-alcoholic fatty liver disease.  
Chiara Rosso (Italy)

12:15 - 12:25 An 8-week portfolio diet targeting multiple dietary components halves liver fat content in individuals with type 2 Diabetes  
Lutgarda Bozzetto (Italy)

12:25 - 12:35 Severity of non-alcoholic fatty liver disease is associated with both more severe  $\beta$ -cell dysfunction and reduced insulin clearance independently of body weight in a large cohort of non-diabetic subjects: further insights in the causative role of NASH in T2DM Development  
Luisa Vonghia (Belgium)

12:35 - 12:40 General Discussion

12:40- 14:00 **Lunch**

### Session 3: Intertwining inflammation and metabolism in liver disease

Chair: John Jones (Portugal); Young-Bum Kim (USA)

14:00 - 14:25 Update on Hepatokine Research

Norbert Stefan (Germany)

14:25 - 14:50 Role of the gut-liver axis in NAFLD progression and HCC development  
Gianluca Svegliati (Italy)

#### Short Talks Chosen from Abstracts >>>>>>>>>

14:50 - 15:00 Trem-2 governs macrophage populations during liver tissue repair  
Inês Coelho (Portugal)

15:00 - 15:10 Paraoxonase-1 deletion determines glucose intolerance upon hypercaloric diet in mice  
Maria João Meneses (Portugal)

15:10 - 15:20 CD26/DPP4 gene acts as a glucose sensor during post-prandial responses in normoglycemia but not in prediabetes  
Nádia Duarte (Portugal)

15:20 - 15:30 The distribution of saturated, monounsaturated and polyunsaturated unsaturated fatty acids in the sn2 and sn1,3 positions of hepatic triglyceride is not homogenous  
Ludgero Tavares (Portugal)

15:30 - 15:40 iNOS inhibits insulin-dependent circular dorsal ruffle formation in the liver  
Rita Oliveira (Portugal)

15:40 - 15:50 Marked improvement of cardiac contractility and NASH upon cessation of hypoglycemic episodes and gluten free diet

Hani Ibrahim (Egypt/USA)

15:50 - 16:00 General Discussion

16:00 - 16:30 **Coffee-break**

### Session 4: Integrated Pathways and markers of disease progression

Chair: Sonia Najjar (USA); Gianluca Svegliati (Italy)

16:00 - 16:25 Identification of Rho-kinase as a key regulator of lipogenesis

Young-Bum Kim (USA)

16:25 - 16:50 Studies of fatty acid synthesis from fructose and glucose  
John Jones (Portugal)

#### Short Talks Chosen from Abstracts >>>>>>>>>

16:50 - 17:00 Exosomes as an intermediary in gut-liver communication  
Inês Ferreira (Portugal)

17:00 - 17:10 Hepatic insulin degrading enzyme insufficiency drives glucose intolerance and liver fat deposition  
Diego Borges (Portugal)

17:10 -17:20 Carotid sinus nerve denervation ameliorates lipid profile and decreases lipid accumulation in the liver in aged animals and in animals with metabolic dysfunction exacerbated by long-term hypercaloric diet consumption  
Cláudia Baptista (Portugal)

17:20 -17:30 Mitochondria as a key player in the pathophysiology of NAFLD disease  
Inês Simões (Poland/Portugal)

17:30 -17:40 General Discussion

17:40 Update on study group activities and discussion

Amalia Gastaldelli, (Italy)

Close day 1

20:00 - 23:00 Social time - Dinner