



EASD-EGIR MEETING

MAY 9-10 2019 **LISBON**
NOVA Medical School | Faculdade de Ciências Médicas

New Voyages of Discovery Towards
Understanding Insulin Action

Abstract Submission Deadline:
March 1, 2019

Information
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Registration fee
50€ limited places



Organization



Dear Colleagues,

It is our great pleasure to welcome you to the inaugural EASD-European Group for the study of Insulin Resistance (EASD-EGIR) Study Group meeting. This meeting will be held in the heart of Lisbon, a city that reeks of history and previous glories of Portugal, but also of the melancholies of the people who had to leave, or were left behind, in order for this to be accomplished. You will be among magnificent buildings and palaces that testify the former, and within earshot of the sad Fado music that captures the latter. You will experience great food and drink in scenic cafes and restaurants.

You will also be at the birthplace of the first Diabetes Patients Association (APDP). Founded in 1926 by Dr. Ernesto Roma, it made accessible to the poor and disadvantaged a newly discovered wonder drug -insulin - that abolished the death sentence of Type 1 Diabetes. It is therefore fitting for Lisbon to host the inaugural EASD-EGIR meeting. We look forward to sharing with you new insights on many facets of Insulin Resistance while enjoying the charm of Lisbon!

With very best regards from the Organizing Committee,

John G. Jones
Maria Paula Macedo
Amalia Gastaldelli

Thursday
May 9

- 14:00-15:00 **REGISTRATION**
15:00-15:15 Welcome Address: John Jones and Amalia Gastaldelli
- Session 1: Glucoregulatory hormones and the Central Nervous System**
Chairs: Y-B. Kim and Joao Duarte
- 15:15 - 15:45 **Hypothalamic ataxin-2, resetting the clock on insulin sensitivity**
Sara Silva (Portugal)
- 15:45-16:00 **Short Talks Chosen from Abstracts**
Prevalence of neuropathy in prediabetes and healthy volunteers by quantitative assessment of sudomotor function.
Rafael Gabriel (Spain)
- 16:00-16:15 **The beneficial effects of carotid sinus nerve resection on obesity and glucose homeostasis are related with adipose tissue browning**
Bernadete Melo (Portugal)
- 16:15-16:30 **Tissue-dependent role of adenosinergic system on insulin resistance**
Fatima Martins (Portugal)
- 16:30-17:00 **Brain energy metabolism in insulin resistant diabetes**
Joao Duarte (Sweden)
- 17:00-17:15 **Short Talks Chosen from Abstracts**
Metabolic profile alterations in the hippocampus and memory impairment in mice exposed to high-fat and high-sucrose diet during 4 months are reversed by diet normalization
Alba Garcia-Serrano (Sweden)
- 17:15-17:30 **Early prevention of microvascular complications in prediabetes: ePREDICE trial**
Rafael Gabriel (Spain)
- 17:30-17:45 **Renal function abnormalities and albuminuria in the early prevention of diabetes complications in people with hyperglycemia in Europe. The ePREDICE trial**
S. Mas (Spain)
- 17:45-18:00 **Coffee Break**
- 18:00-19:00 **Keynote Lecture**
Energy sensors, glucoregulatory hormones and the central nervous system.
Carlos Dieguez (Spain)
- 19:00-19:45 RISC Investigators Meeting and EASD-EGIR AGM
- 21:00 **Dinner**

Friday
May 10

- Session 2: Insulin Secretion and Clearance: the Yin and Yang of Insulinemia**
Chairs: M. Paula Macedo and Andrea Mari
- 09:15- 09:45 **Hepatic insulin clearance: Its multiple faces in dysmetabolism**
Maria Paula Macedo (Portugal)
- 09:45- 10:15 **Cause-effect relationship between impaired insulin clearance and insulin resistance**
Sonia Najjar (USA)
- 10:15-10:30 **Coffee Break**
- 10:30-10:45 **Short Talks Chosen from Abstracts**
Hyperinsulinemia decreases circular dorsal ruffle-mediated insulin receptor internalization
Margarida Araujo-Correia (Portugal)
- 10:45 - 11:00 **Tackling multiple therapeutic targets of type 2 diabetes with a natural glucose-containing compound: key findings in liver, kidney and pancreas of prediabetic DIO C57BL/6 mice**
Ana Marta de Matos (Portugal)
- 11:00 - 11:15 **Inhibition of the glucose transporter SGLT2 in human intestinal organoids triggers GLP1 secretion**
Chiara Saponaro (France)
- 11:15 - 11:45 **Insulin clearance: its determinants are coming to light**
Roberto Bizzotto (Italy)
- 11:45-12:00 **Short Talks Chosen from Abstracts**
SGLT2 expression in human pancreatic islets: The alpha cell in the spotlight
Markus Mühlemann (France)
- 12:00-12:15 **Mutations in hepatocyte nuclear factor 1A (HNF1A) alters pancreatic hormone secretion**
Ana Acosta Montalvo (France)
- 12:15-14:00 **Lunch**
- Session 3: Insulin, glucagon and Lipid Homeostasis**
Chairs: John Jones & Ele Ferrannini
- 14:00 - 14:30 **The crosstalk between liver-pancreas-gut: effect on hepatic glucose metabolism**
Amalia Gastaldelli (Italy)
- 14:30 - 14:45 **Short Talks Chosen from Abstracts**
Roux-en-Y gastric bypass is better than gastric sleeve to reduce insulin resistance of obese patients.
M.M. Silva (Portugal)
- 14:45 - 15:00 **Palmitoleic acid is independently associated with insulin sensitivity, cell function and glucose tolerance in non-diabetic individuals**
Domenico Tricò (Italy)
- 15:00 - 15:15 **Loss of fasting and post-load glucose control in non-diabetic subjects are largely independent and are caused by distinct cell function defects**
Alessandro Mengozzi (Italy)
- 15:15 - 15:30 **Coffee Break**
- 15:30 - 16:00 **SGLT inhibition and cardiorenal protection**
Ele Ferrannini (Italy)
- 16:00 - 16:30 **Effects of glucagon on human adipocytes**
Maria Joao Pereira (Sweden)
- 16:30 - 17:00 **Presentation of best abstract award, final remarks and close of meeting**