**NMS Research at EASD 2022**

**Programme Committee**

**M Paula Macedo**

**Invited Talks**

**Session: Diabetes, comorbidities and the importance of interorgan cross talk**

**Paula Macedo**: NAFLD spectrum in diabetes settings: from clinical to molecular mechanisms

**Session: From models to clinic: much more than just a catwalk**

**João F Raposo**, Portugal: The path from clustering in type 2 diabetes to healthbased value

**Chairs**

**M Paula Macedo**

Session: From models to clinic: much more than just a catwalk

Session: Hepatokines: Do they play a role in diabetes and NAFLD?

Session Short Oral Discussion 67: Flames and scars in NAFLD: pathogenesis and therapy

**R Machado de Oliveira**

Session Short Oral Discussion Incretins everywhere

**Oral presentation**

**Thursday 14:30 – 16:00**

**OP 34 Insulin signalling, novelties from the petri dish!**

204 Abrogation of circular dorsal ruffles by hyper insulinemia impairs insulin receptor internalisation and recycling

**A. Teshima, M.A. Correia, L.M. Oliveira, D.C. Barral, R.M. De Oliveira, M.P. Macedo**, Portugal

**Friday 11:00 – 12:00**

OP 46 Profiling human diabetes risk

253 Clustering analysis based on parameters of glucose metabolism shows different lipidomic profile among men and women

**A. Pina, M.J. Meneses, R. Ribeiro, R. Patarrão**, F. Carli, J. Boavida, **J.F. Raposo**, A. Gastaldelli, **M.P. Macedo**, Portugal, Italy

**Short Oral Discussions**

**Short Oral Discussions Event A Tuesday, 11:45 - 12:45**

492 Gut derived extracellular vesicles have high affinity to the liver and their enrichment in lipids is associated to the development of metabolic diseases

**R.M. De Oliveira, I. Ferreira, I. Coelho**, F. Carli, B. Costa-Silva, A. Gastaldelli, **P. Macedo**, Portugal, Italy

**Short Oral Discussions Event C Wednesday, 12:00 - 13:00**

845 Insulin resistence in obstructive sleep apnea: Is there a role for mitochondrial dysfunction in the liver?

**J.L. Fernandes, F.O. Martins, B.F. Melo**, E. Olea, J. Prietro-Lloret, A. Obeso, A. Rocher, **J.F. Sacramento, S.V. Conde**, Portugal, Spain

**Short Oral Discussions Event D Wednesday 13:15 – 14:15**

516 Adenosine: a new functional marker and therapeutic target for the link insulin resistance-non-alcoholic fatty liver disease

**R.E. Figueiredo, F.O. Martins, R.O. Oliveira, S.V. Conde, Portugal**

517 Disturbance of hepatic tight junctions by hypercaloric diets precedes intestinal barrier disruption

**M.J. Meneses**, B. Patrício, G.D. Belew, F. Carli, J.G. Jones, A. Gastaldelli, **M.P. Macedo**, Portugal, Italy

**Short Oral Discussions Event E Thursday, 12:00 – 13:00**

474 Carotid body: a new intervenient of GLP-1 effects in cardiometabolic homeostasis

**D. Sampaio-Pires, F.O. Martins, B.F. Melo, J.F. Sacramento, S.V. Conde, Portugal**

478 Pentose phosphate pathway utilisation of gluconeogenic glucose-6-phosphate is increased in mice fed a high-fat/highfructose diet compared to high-fructose alone

G. Belew, A. Costa, **M. Meneses**, I. Viegas, L. Tavares, P. Oliveira, **M. Macedo**, J. Jones, Portugal

624 Caffeine ameliorates diet-induced insulin resistance by impacting brown adipose tissue function

**A.C. Soares, I.B. Martins, S.M. Farreca, F.O. Martins, A. Capucho, B.F. Melo, S.V. Conde, Portugal**