

School 4: Personalized Medicine, the Future: from the Idea to the Product

9th December 2020

11:15-11:30 Ángela Valverde & Maria Monsalve (Coordinators, AECSIC). Opening and presentation of the event

11:30-14:00 SESSION I. Chair: Barbara Kramar (Univerza v Ljubljani)

11:30-11:45 ESR1 Vitor Da Silva Ferreira (CSIC) "Inter-organ crosstalk mediates the thermogenic and glucose homeostasis dysfunctions in the intraperitoneal treatment with Olanzapine"

11:50: 12:05 ESR2 Diana Grajales (CSIC) "Inhibition of insulin secretion by second-generation antipsychotics might mediate prediabetes development"

12:10-12:25 ESR4 Gaurangkumar Patel (CSIC) "Role of mitochondrial dysfunction in cardiovascular side effects induced by atypical antipsychotics!"

12:30-12:45 ESR5 Milica Vranic (Uppsala Universitet) "Effects of the antipsychotic drugs on the regulation of human adipose tissue metabolism"

12:50-13:05 ESR6 Assel Sanserbayeba (Uppsala Universitet) " "Drug-induced adipose tissue dysfunction: effects of second-generation antipsychotics"

13:10-13:25 ESR15 Alessandra Macaluso. (Cell Stress Discovery)

13:30-14:00 OPEN SCIENCE Maria Estrella Soria (TREATMENT Project Manager)

Lunch Break

15:30-18:30 SESSION II Chair Vitor Da Silva Ferreira (CSIC)

15:30-15:45 ESR 11 Barbara Kramar (Univerza v Ljubljani) "Aripiprazol and liver cell division"

15:50-16:05 ESR8 Giada Di Nunzio (Center for Neuroscience and Cell Biology) "Hepatic Metabolic Fluxes after Chronic Olanzapine and Aripiprazole Treatment in Mice"

16:10-16:25 ESR9 Francesca Forno (Hebrew University of Jerusalem) "Effect of Aripiprazole on ER homeostasis and protein trafficking"

16:30 -16:45 ESR 12 Dora Koller (Fundación de Investigación Biomédica del Hospital Universitario La Princesa) "My PhD journey: one step closer to implement pharmacogenetics and therapeutic drug monitoring of atypical antipsychotics in the clinical practice"

16:50-17:05 ESR 10 Priya Dipta (Hebrew University of Jerusalem) "Olanzapine indirectly induces Insulin Resistance in Human adipocytes"

17:10-17:25 ESR7 Alejandra Nunez (Center for Neuroscience and Cell Biology) "Quantifying the contributions of the fructose and glucose components of high- fructose corn syrup formulation (HFCS-55) to hepatic glycogen synthesis"

17:30-17:45 ESR 13 Mónica Ruiz Rosario (NIMGenetics) "Transcriptomic characterization of human healthy volunteers and mice models treated with aripiprazole and olanzapine"

17:50-18:05 ESR 14 Raphael Sirtoli (BNML) "A study of metabolism and behavior with 2 antipsychotics and a ketogenic diet in a MAM model of schizophrenia".

18:05-18:20 ESR 3 Ramazan Yildiz (CSIC) "Role of Mitochondria in Atypical Antipsychotic induced liver fibrosis"

18:20-18:30 Update of the Supervisory Board and Transfer Board

Conclusions and Remarks Close