

10TH IMIBIC YOUNG INVESTIGATORS

MEETING IMIBIC BUILDING / CONFERENCE ROOM
CÓRDOBA, 16-17 MAY, 2019

Programme I

Day 1 (16th May)

08:00 - 08:30 **Registration and Poster display**

08:30 - 08:50 **Opening ceremony**

08:50 - 10:20 **SESSION I. Nutrition, Endocrine and metabolic diseases**

Chairs: María de los Ángeles Gálvez Moreno and Antonio Rodríguez Ariza.

Ia. 08:50 - 09:05 Adipose tissue extracellular matrix remodeling in obesity. **Carmen Tercero Alcázar.**

Ib. 09:05 - 09:20 Novel mechanisms for pubertal control - GRK2 in GnRH neurons regulates puberty onset: Implications for metabolic and pharmacological modulation of pubertal timing. **M^a Soledad Avendaño Herrador.**

Ic. 09:20 - 09:35 Healthy dietary pattern improves microvascular endothelial function in patients with atherosclerotic coronary disease from the CORDIOPREV study. **Marta Millán Orge.**

Id. 09:35 - 09:50 Effectiveness of physical activity interventions on obese children evaluated by accelerometer: systematic review and meta-analysis. **José Manuel Jurado Castro.**

Ie. 09:50 - 10:05 Identification of molecular signature of subcutaneous adipose tissue from obese patients in response to bariatric surgery using SWATH-MS proteomic analysis. **Julia Sánchez Ceinos.**

If. 10:05 - 10:20 Diminished secretory capacity of KNDy neurons in conditions of acute energy deficiency: Implications for reproductive dysfunction in conditions of malnutrition. **Miguel Ruiz Cruz.**

10:20 - 10:50 **Coffee Break**

10:50 - 12:20 **SESSION II. Cancer**

Chairs: Marina Álvarez de Benito and Feliciano Priego Capote.

Ila. 10:50 - 11:05 The splicing factor SF3B1 is overexpressed in hepatocellular carcinoma and could represent a new therapeutic target. **Juan Luis López Cánovas.**

Ilb. 11:05 - 11:20 Phosphorylation-dependent regulation of NOTCH1 intracellular domain by dual-specificity tyrosine-regulated kinase 2. **Rosario Morrugares Carmona.**

Ilc. 11:20 - 11:35 Pladienolide B exerts anti-tumoral actions in pancreatic ductal adenocarcinoma by targeting altered spliceosome component SF3B1. **Ricardo Blázquez Encinas-Rey.**

Ild. 11:35 - 11:50 Urine ghrelin O-acyltransferase (GOAT) enzyme as a useful biomarker for the diagnosis of significant prostate cancer. **Antonio Jesús Montero Hidalgo.**

Ile. 11:50 - 12:05 The different tumor budding status in colorectal cancer is associated with molecular subtypes and specific immune profiles. **Silvia Guil Luna.**

Ilf. 12:05 - 12:20 The splicing factor NOVA1 is overexpressed in pancreatic neuroendocrine tumors and increases aggressiveness and malignancy features in vitro. **Sergio Pedraza Arévalo.**

12:20 - 13:50 **SESSION III. Chronic and Inflammatory diseases**
Chairs: María del Mar Malagón Poyato and Miguel González Andrades.

Illa. 12:20 - 12:35 Characterization of the molecular serum profile related to the increased cardiovascular risk in Rheumatoid Arthritis patients. Modulation by biological drugs. **María Luque Tévar.**

Illb. 12:35 - 12:50 FGF23 produces arterial stiffness through changes in vascular smooth muscle cell phenotype. **María Encarnación Rodríguez Ortiz.**

Illc. 12:50 - 13:05 Nrf2 plays a protective role against intravascular hemolysis-mediated acute kidney injury. **Cristina García Caballero.**

Illd. 13:05 - 13:20 Comparative study of characterization and determination of immunomodulatory efficacy of bone marrow-derived mesenchymal stem cells expanded with platelet lysate or fetal bovine serum supplemented medium. **Kristina Pavlovic Pavlovic.**

Ille. 13:20 - 13:35 Impact of clostridium difficile infection in patients hospitalized with ulcerative colitis. **Beatriz Gros Alcalde.**

Illf. 13:35 - 13:50 Systemic inflammation in preterm newborn and in necrotizing enterocolitis. **Cristina Pérez Garía.**

13:50 - 15:20 **Lunch**

15:20 - 16:20 **Poster session I**

Chairs: Manolo Tena Sempere, María Dolores Fernández García and Alejandro Ibáñez Costa.

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Programme II

16:20 - 17:50 SESSION IV. Multidisciplinary

Chairs: María Elena Mateos González and Juan Ruano Ruiz.

Ma. 16:20- 16:35 Potential therapeutic role of Neuronostatin and the G protein-coupled receptor GPR107 in Prostate Cancer. **Prudencio Sáez Martínez.**

Mb. 16:35 - 16:50 Age-dependent effect of metabolic phenotypes on carotid atherosclerosis in patients with coronary heart disease (CORDIOPREV study). **M^a Magdalena Pérez Cardelo.**

Mc. 16:50 - 17:05 Evaluation of hepatitis E virus genotype 3 in semen and testis during the acute phase: results from humans and naturally infected wild boar. **Pedro López López.**

Md. 17:05 - 17:20 MGRNA-Seq: A light-weight, portable and scalable RNA-Seq analysis pipeline for biomedical research. **Martín Garrido Rodríguez-Córdoba.**

Me. 17:20 - 17:35 Presence and pathophysiological role of the truncated SST5TMD4 splicing variant of the somatostatin receptor subtype 5 in human high-grade astrocytomas. **Jesús Miguel Pérez Gómez.**

Mf. 17:35 - 17:50 Fibroblast growth factor 23 (FGF23) is regulated by nutrient availability. **Ángela Vidal Carrascosa.**

Day 2 (17th May)

08:30 - 09:00 Registration and Poster display

09:00 - 10:30 SESSION V. Nutrition, Endocrine and metabolic diseases

Chairs: Mariano Rodríguez Portillo and Elena Pérez Nadales.

Va. 09:00 - 09:15 Postprandial lipemia modulates alpha cell function in the prediction of type 2 diabetes development: from CORDIOPREV study. **Isabel Pozuelo Sánchez.**

Vb. 09:15 - 09:30 Impact of obesogenic extracellular cues on lipid accumulation. **Jaime David López Alcalá.**

Vc. 09:30 - 09:45 Ablation of AMP-Activated Protein Kinase (AMPK) in GnRH neurons produces reproductive and metabolic alterations: Implications for the metabolic control of reproduction. **Alexia Barroso Romero.**

Vd. 09:45 - 10:00 Effect of dietary intervention on the expression profiles of miRNAs involved in the progression and regression of atherosclerosis in patients with cardiovascular disease **Yelizaveta Krylova.**

Ve. 10:00 - 10:15 Automated method for quantitative determination of steroids in serum by SPE-LC-MS/MS. **Diego Luque Córdoba.**

Vf. 10:15 - 10:30 Lipid biomarkers of the adipose tissue in obesity-induced insulin resistance. **Alejandro Fernández Vega.**

10:30 - 11:00 Coffee Break

11:00 - 12:00 Poster session II

Chairs: Manolo Tena Sempere, María Dolores Fernández García and Alejandro Ibáñez Costa

12:00 - 13:00 Plenary lecture. "Neurons without batteries: Chasing a cure for mitochondrial encephalopathy". Dr. Albert Quintana. Institut de Neurociències. Universitat Autònoma de Barcelona.

13:00 - 13:30 Awards and Closing ceremony