

11th IMIBIC Young Investigators Meeting

**IMIBIC Building,
Conference Room**

**Córdoba,
29-30 oct. 2020**

PROGRAMME

Day 1 (29th OCT)

08:40 - 09:00

Opening ceremony

09:00 - 10:30

SESSION I. Cancer

Chairs: **Dr. Carlos Pérez & Dr. Juan Muñoz**

→ Ia. 09:00 - 09:15

A preclinical platform based on humanized mice for the development of personalized immunotherapeutic strategies in colorectal cancer. **Ana Mantrana Soldado.**

→ Ib. 09:15 - 09:30

Dysregulation of the splicing factor SF3B1 in pancreatic ductal adenocarcinoma empowers Pladienolide-B as a therapeutic tool. **Emilia Alors-Perez.**

→ Ic. 09:30 - 09:45

From the classical Ronnett classification to the new PSOGI classification for pseudomyxoma peritonei in a reference centre. **Blanca Rufián Andújar.**

→ Id. 09:45 - 10:00

Clearance of circulating tumor cells in patients with hepatocellular carcinoma undergoing surgical resection or liver transplantation. **Javier Manuel Zamora Olaya.**

→ Ie. 10:00 - 10:15

Somatostatin/somatostatin receptor system in rare neuroendocrine tumors: pheochromocytomas and paragangliomas. **Alejandro Ibáñez-Costa.**

→ If. 10:15 - 10:30

Quantitative proteomic analysis reveals a key role of splicing machinery in hepatocellular carcinoma. **Natalia Hermán Sánchez.**

10:30 - 11:00

Break

11:00 - 12:30

SESSION II. Nutrition and fragility

Chairs: **Dr. Lourdes Ladehesa & Dr. Silvia Guil**

→ IIa. 11:00 - 11:15

3D fibrosis model: Composition, distribution, and link with adipose tissue dysfunction. **Carmen Tercero Alcázar.**

→ IIb. 11:15 - 11:30

Influence of obesity in the miRNome: miR-4454, a key regulator of insulin response via splicing modulation in prostate. **Vicente Herrero Aguayo.**

→ IIc. 11:30 - 11:45

Novel role of hypothalamic endoplasmic reticulum stress in obesity-induced precocious puberty. **Elvira Rodríguez Vázquez.**

→ IId. 11:45 - 12:00

Clinical, cellular, and molecular evidence of the additive antitumor effects of biguanides and statins combination in prostate cancer. **Antonio Jesús Montero Hidalgo.**

→ IIe. 12:00 - 12:15

miR-223-3p as circulating biomarker and player for adipose tissue dysfunction related to type 2 diabetes onset. **Julia Sánchez Ceinos.**

→ II f. 12:15 - 12:30

Lyophilization as pre-processing for sample storage in the determination of vitamin D3 and metabolites in serum and plasma. **Laura de los Santos Castillo Peinado.**

12:30 - 14:00

SESSION III. Cancer II

Chairs: **Dr. Elena Mateos & Dr. Nuria Barbarroja**

→ IIIa. 12:30 - 12:45

Characterization of a new signalling pathway regulating the tumour suppressor FBXW7 in cancer. **Alejandro Correa Sáez.**

→ IIIb. 12:45 - 13:00

Dysregulation of the splicing machinery as a target for Pancreatic Ductal Adenocarcinoma. **Ricardo Blázquez Encinas-Rey.**

→ IIIc. 13:00 - 13:15

The splicing factor PRPF8 is overexpressed and increases aggressiveness and malignancy in hepatocellular carcinoma. **Juan Luis López Cánovas.**

→ IIId. 13:15 - 13:30

Nitric oxide and metabolic reprogramming in colorectal cancer. **Rafael Mena Osuna.**

→ IIIe. 13:30 - 13:45

Characterization and pathophysiological role of exosome component DIS3 in human high-grade astrocytomas. **Jesús Miguel Pérez Gómez.**

→ III f. 13:45 - 14:00

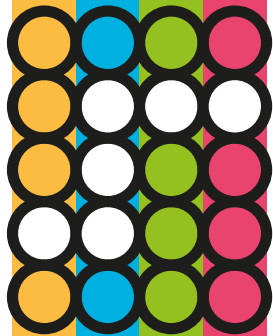
The first protein profile of Pseudomyxoma Peritonei: Ready for a molecular characterization by "omics" approaches. **Melissa Granados Rodríguez.**

14:00 - 16:00

Lunch

Meeting 11th IMIBIC Young Inves

Sigue...



16:00 - 17:30

SESSION. Oral Poster

Chairs: **Dr. Antonio Romero & Dr. Juan Moreno**

→ SPa. 16:00 - 16:10

A diet-dependent microbiota profile associated with incident type 2 diabetes: from the CORDIOPREV study. **Cristina Vals Delgado.**

→ SPb. 16:10 - 16:20

DYRK2 novel regulation mechanism determine its activity via cis-autophosphorylation compromising cell cycle, DNA damage response pathway and carcinogenesis. **Rafael Manuel Jiménez Izquierdo.**

→ SPC. 16:20 - 16:30

Evaluation of the cardiovascular risk of a Spanish population in secondary prevention and its comparison with other populations. **Marta Millán Orge.**

→ SPD. 16:30 - 16:40

Impact of distinctive autoimmune and molecular signatures of childhood- and adult-onset systemic lupus erythematosus patients in the development of lupus nephropathy and cardiovascular disease. **Alejandra María Patiño Trives.**

→ SPE. 16:40 - 16:50

Sexual dimorphism of mitochondrial complexes, autophagy markers and nutritional sensors in skeletal muscle and liver for transgenic mice overexpressing NADH-cytochrome b5 reductase-3. **Luz Marina Sánchez Mendoza.**

→ SPf. 16:50 - 17:00

Protist enteroparasite in wild boar (*Sus scrofa ferus*) and Iberian pig (*Sus scrofa domesticus*) in Southern Spain: A protective effect on Hepatitis E acquisition? **Pedro López López.**

→ SPg. 17:00 - 17:10

Sexual dysfunction, self-esteem and risk of depression in the postpartum period. **Andrea Jiménez Ruiz.**

→ SPH. 17:10 - 17:20

The effect of dietary magnesium supplementation on the endothelial dysfunction in a model of metabolic syndrome and chronic kidney disease. **Rodrigo López Baltanás.**

SPi. 17:20 - 17:30

n-3 Polyunsaturated fatty acids enhance coenzyme Q biosynthesis. **Sandra Rodríguez López.**

* Note: REGULAR POSTERS will be available at Imibox during the celebration of the Meeting.

Day 2 (30th OCT)

09:00 - 10:30

SESSION IV. Cancer III

Chairs: **Dr. Irene Gracia & Dr. Antonio Camargo**

→ IVa. 09:00 - 09:15

Circulating cell-free DNA-based liquid biopsy markers for the non-invasive prognosis and monitoring of metastatic pancreatic cancer. **Marta Toledano Fonseca.**

→ IVb. 09:15 - 09:30

New insights in the pathological association between prostate cancer and obesity: miR-107 as a novel personalized diagnostic and therapeutic tool. **Prudencio Sáez Martínez.**

→ IVc. 09:30 - 09:45

Molecular characterization of Pseudomyxoma Peritonei and development of biomarkers and target therapies in a mouse model with human xenograft. **Francisca Valenzuela Molina.**

→ IVd. 09:45 - 10:00

Splicing machinery dysregulation drives glioblastoma development and aggressiveness: oncogenic role of SRSF3. **Antonio Carlos Fuentes-Fallos.**

→ IVe. 10:00 - 10:15

Incidence and prognostic impact of cancer after liver transplantation. **Víctor Amado Torres.**

→ IVf. 10:15 - 10:30

Using autonomous AI to reduce the workload of breast cancer screening with breast tomosynthesis: a retrospective validation. **Esperanza Elías Cabot.**

10:30 - 11:00

Break

11:00 - 12:30

SESSION V. Inflammatory and Infectious diseases

Chairs: **Dr. Ana Gordon & Dr. André M. Sarmiento**

→ Va. 11:00 - 11:15

Interplay among inflammation and metabolic alterations in Psoriatic Arthritis. Effects of a novel PDE4 inhibitor and conventional therapy on the metabolic components and cardiovascular risk: cross-sectional and longitudinal studies. **Ivan Arias de la Rosa.**

→ Vb. 11:15 - 11:30

Betulinic acid hydroxamate activates the HIF pathway through post-transcriptional dephosphorylation of Prolyl Hydroxylase 2. Implications in neuroprotection in Huntington Disease. **María Eugenia Prados González.**

→ Vc. 11:30 - 11:45

Association between rectal colonization by *Klebsiella pneumoniae* carbapenemase-producing *K. pneumoniae* and mortality: a prospective, observational study. **Ángela Cano Yuste.**

→ Vd. 11:45 - 12:00

Serum inflammatory molecules and microRNAs as potential biomarkers of early and established response to TNFi therapy in rheumatoid arthritis patients. **María Luque Tévar.**

→ Ve. 12:00 - 12:15

Excimer Laser Coronary Atherectomy for Uncrossable Coronary Lesions. A multicenter registry. **Rafael González Manzanares.**

→ Vf. 12:15 - 12:30

Zoo animals as potential sentinels for zoonotic flaviviruses monitoring. **Javier Caballero Gómez.**

12:30 - 13:30

Plenary Lecture: "Computational and mathematical tools to solve biomedical problems". **Dr. Luis María Escudero. Instituto de Biomedicina de Sevilla (IBIS)**

13:30 - 14:00

Awards and Closing ceremony