



14th IMIBIC YOUNG INVESTIGATORS MEETING

PROGRAMME

Day 1 (16th OCT)

08:30 – 09:00

Registration and Poster display

09:00 – 09:30

**Opening ceremony
(IMIBIC Assembly Hall)**

09:30 – 10:45

**Session I. Cancer I
(IMIBIC Assembly Hall)**

**Chairs: Dr. Henning Kirst & Dr.
Yolanda Jiménez**

- **Ia. 09:30 – 09:45**
Metabolic shift underlies tumor progression and immune evasion in S-nitrosoglutathione reductase-deficient cancer. **Ana Mantrana Soldado**
- **Ib. 09:45 – 10:00**
Targeting glycogen synthase kinase 3 as an effective therapeutic strategy against tumor budding and immune evasion in human colorectal cancer. **Carmen Navarrete Sirvent**
- **Ic. 10:00 – 10:15**
B-RAF oncogene regulation by dual-specificity tyrosine-regulated kinase 2. **Miguel Torres Ramos**
- **Id. 10:15 – 10:30**
The splicing machinery represents a targetable vulnerability in bladder cancer. **Antonio Jesús Montero Hidalgo**

→ **Ie. 10:30 – 10:45**

Memory Universal CAR T cells: A new strategy against B-cell malignancies. **Kristina Pavlovic Pavlovic**

10:45 – 11:45

Coffee Break (IMIBIC Cafeteria)

11:45 – 12:45

**Session II. Multidisciplinary I
(IMIBIC Assembly Hall)**

**Chairs: Dr. M^a Carmen Vázquez
& Dr. Fernando Leiva**

→ **IIa. 11:45 – 12:00**

Circadian rhythm disruption in cardiovascular and trauma severe patients admitted to ICU: Influence of environmental conditions. **Luna López Coletto**

→ **IIb. 12:00 – 12:15**

VCE-004.8, a novel PP2A/B55 α activator, promoted angiogenesis and arteriogenesis in critical limb ischemia. **María Eugenia Prados González**

→ **IIc. 12:15 – 12:30**

Worsening of Heart Failure with Reduced Ejection Fraction: Impact of the number of previous hospital admissions. **Jorge Perea Armijo**

→ **IId. 12:30 – 12:45**

VCE-009.1, a novel formulation of natural products with positive allosteric modulators for CB1R. **Francisco José Ponce Díaz**

12:45 – 13:45

**Poster session I (IMIBIC
Meeting & Multipurpose Room)**

**Chairs: Dr. Mario Frías, Dr.
Marisol Avendaño & Dr. Iván
Arias**

13:45 – 15:45

Lunch (IMIBIC Cafeteria)



15:45 – 17:00

**Session III. Nutrition, Endocrine and metabolic diseases
(IMIBIC Assembly Hall)**

Chairs: Dr. Lourdes Ladehesa & Dr. María Isabel Martínez

- **IIIa. 15:45 – 16:00**
Analysis of metabolites from the intestinal microbiota and their role as modulators of coronary heart disease as a function of the sex of the patient. **Helena García Fernández**
- **IIIb. 16:00 – 16:15**
Characterization of a novel molecular mechanism inhibiting the secretory capacity of arcuate Kiss1 neurons in conditions of metabolic stress. **Miguel Ruiz Cruz**
- **IIIc. 16:15 – 16:30**
Mediterranean diet preserves kidney function in coronary heart disease patients with type 2 diabetes and obesity: An Analysis of the CORDIOPREV Randomized Controlled Trial. **Alicia Podadera Herreros**
- **IIId. 16:30 – 16:45**
PCSK9 levels and their correlation with the genetic variants present in heterozygous familial hypercholesterolemia. **Alberto Díaz Cáceres**
- **IIIe. 16:45 – 17:00**
Characterisation of the somatostatin system in chronic liver disease: potential therapeutic role of neuronostatin receptor GPR107. **Antonio García Estrada**

17:00 – 18:15

**Session IV. Multidisciplinary II
(IMIBIC Assembly Hall)**

Chairs: Dr. Belén Pastor & Dr. André Sarmiento

- **IVa. 17:00 – 17:15**
Supervised versus home-based programs in kidney transplant recipients: a non-randomized single-

center prospective trial. **Anna Crepaldi**

- **IVb. 17:15 – 17:30**
Beneficial effect of recombinant Klotho administration in acute kidney injury associated with intravascular hemolysis. **Mercedes Vallejo Mudarra**
- **IVc. 17:30 – 17:45**
Magnesium supplementation reduces the development of renal and cardiac fibrosis present in chronic kidney disease: In vivo and in vitro studies. **Teresa Obrero Sojo**
- **IVd. 17:45 – 18:00**
Characteristics and outcomes of transcatheter mitral valve edge to edge repair according to mitral etiology. **Luis Carlos Maestre Luque**
- **IVe. 18:00 – 18:15**
High levels of FGF23 induce experimental hypertension and vascular remodeling. **Raquel María García Sáez**

Day 2 (17th OCT)

08:00 – 08:30

Registration and Poster display

08:30 – 09:45

**Session V. Cancer II
(IMIBIC Assembly Hall)**

Chairs: Dr. Cristian Rodelo Haad & Dr. Silvia León

- **Va. 08:30 – 08:45**
High-Throughput Sequencing reveals recurrent mutations in RNUs in pancreatic tumors. **Clara González Pérez**
- **Vb. 08:45 – 09:00**
Prospective feasibility study of localization of lung nodules for sublobar VATS resections by using a novel Computed Tomography (CT) –



guided radiopharmaceutical labelling system. **Alba María Fernández González**

- **Vc. 09:00 – 09:15**
Liquid biopsy-based epigenetic biomarkers for prognosis and monitoring of metastatic pancreatic cancer. **Pablo Francisco Cano Ramírez**
- **Vd. 09:15 – 09:30**
Clinical, transcriptomic, and functional characterization of telomerase/shelterin system in endocrine intracranial tumors. **Ana S. de la Rosa Herencia**
- **Ve. 09:30 – 09:45**
Deciphering the mechanisms of somatostatin analogue resistance in pheochromocytomas and paragangliomas. **Víctor García Vioque**

09:45 – 10:30

Coffee Break (IMIBIC Cafeteria)

10:30 – 11:30

Poster sesión II (IMIBIC Meeting & Multipurpose Room)

Chairs: Dr. Mario Frías, Dr. Marisol Avendaño & Dr. Iván Arias

11:30 – 12:45

Session VI. Infectious and immunological diseases (IMIBIC Assembly Hall)

Chairs: Dr. Ignacio Gómez & Dr. Antonio Romero

- **VIa. 11:30 – 11:45**
SARS-CoV-2 accessory proteins induce mitochondrial dysfunction and impair cellular metabolism. **Raúl Fernández Rodríguez.**
- **VIb. 11:45 – 12:00**
Clinical factors and the role of bacterial load in long-term eradication of intestinal colonization by KPC-producing *Klebsiella pneumoniae* in an endemic nosocomial setting:

results from a prospective observational study (KLEBCOM). **Alejandra Méndez Natera**

- **VIc. 12:00 – 12:15**
Prevalence and Factors Associated with Multimorbidity in Patients with Rheumatoid Arthritis. Data from the Cordobesian Rheumatoid Arthritis Registry. **Santiago Dans Caballero.**
- **VId. 12:15 – 12:30**
Early postoperative complications of lung transplantation. **Patricia Victoria Childers Canduela.**
- **VIe. 12:30 – 12:45**
Genomic epidemiology study of hospital-acquired, community-acquired and healthcare-related KPC-producing *Klebsiella pneumoniae* infections at Reina Sofia University Hospital reveals clonal dissemination of ST512/KPC-3 high-risk clone over a 10-year period (KLEBMAN study). **Víctor Gálvez Soto.**

12:45 – 14:00

Plenary Lecture: “Towards tailored antitumor T-cell therapies”. Dr. Alena Gros Vidal (Vall d’Hebron Research Institute).

14:00 – 14:30

Awards and Closing ceremony.



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