



Córdoba, 28–29 oct. 2021

PROGRAMME

Day 1 (28th OCT)

08:15 – 08:45

Registration and Poster display

08:45 – 09:00

Opening ceremony (IMIBIC Assembly Hall)

09:00 – 10:45

SESSION I. Cancer (IMIBIC Assembly Hall)

Chairs: **Dr. Rocío Guzmán & Dr. Juan Moreno.**

→ **Ia. 09:00 – 09:15**

Application of a biocomputational approach to identify alterations in the spliceosomal landscape in lung carcinoids. **Victor García Vioque.**

→ **Ib. 09:15 – 09:30**

The metabolic rewiring induced by impaired denitrosylation contributes to tumor progression and immune escape in colorectal cancer. **Rafael Mena Osuna.**

→ **Ic. 09:30 – 09:45**

Unleashing the therapeutic role of somatostatin and cortistatin in prostate cancer. **Francisco Porcel Pastrana.**

→ **Id. 09:45 – 10:00**

Interval carcinomas in a Breast Cancer Screening Program: differences between women studied with digital mammography or tomosynthesis. **Cristina Pulido Carmona.**

→ **Ie. 10:00 – 10:15**

Surgical treatment of malignant pleural mesothelioma.

Multicenter study. **Eloisa Ruiz López.**

→ **If. 10:15 – 10:30**

Splicing machinery landscape in hepatocellular carcinoma: a central role of EIF4A3 in hepatocarcinogenesis. **Natalia Hermán Sánchez.**

→ **Ig. 10:30 – 10:45**

Revealing the pharmacologically regulable CDC25A/DYRK2 axis: a novel master cell cycle and survival modulator. **Alejandro Correa Sáez.**

10:45 – 11:15

Break

11:15 – 13:15

SESSION II. Multidisciplinary (IMIBIC Assembly Hall)

Chairs: **Dr. Almudena Pino & Dr. Juan Solivera.**

→ **IIa. 11:15 – 11:30**

Assessment of the liver disease risk in inflammatory arthritis. Molecular mechanisms involved in hepatocyte dysfunction in the context of psoriatic arthritis. **Cristobal Román Rodríguez.**

→ **IIb. 11:30 – 11:45**

Reduction of renal mass interferes with the phosphaturic action of rapamycin. **Azahara Espartero Castro.**

→ **IIc. 11:45 – 12:00**

Kinetics of the intestinal loads of *Klebsiella pneumoniae* producing KPC carbapenemase following selective digestive decolonization with oral gentamicin: a 1-year, prospective cohort study. **Alejandra Méndez Natera.**

→ **IIId. 12:00 – 12:15**

Unsupervised clustering analysis of the circulating inflammatory profile of Rheumatoid Arthritis patients stratify patients according to their cardiovascular risk. **Laura Muñoz Barrera.**

→ **IIe. 12:15 – 12:30**

Fibroblast growth factor 23 down-regulation by chronic metabolic acidosis in rats. **Ángela Vidal Carrascosa.**

→ **IIIf. 12:30 – 12:45**

SARS-CoV-2 ORF7a and ORF7b cooperate in multiple membrane-based processes ranging from cell adhesion, olfaction and immune response interference. **Tránsito García García.**

→ **IIIg. 12:45 – 13:00**

Association of gut microbiota and enthesitis in axial spondyloarthritis. Data from CASTRO Registry. **Ignacio Gómez García.**

13:15 – 15:30

Lunch (IMIBIC Cafeteria)

15:30 – 16:30

Poster session I (IMIBIC Meeting & Multipurpose Room)

Chairs: **Dr. María Victoria García & Dr. Carlos Pérez.**

→ **PSI.a.** Effect of the consumption of yogurt with *Bifidobacterium lactis* B420/205 and *Lactobacillus acidophilus* 207 on the parameters associated with glucose homeostasis in patients with type 2 diabetes mellitus of the Clinics Hospital from Asunción, Paraguay. **María Eugenia Ruiz Díaz Narváez.**

→ **PSI.b.** Sexual dimorphism in markers of pathways related with the hallmarks of aging in mice overexpressing CYB5R3 and fed a nicotinamide ribosidesupplemented diet. **Luz Marina Sánchez Mendoza.**



- **PSI.c.** The expression of splicing machinery components is dysregulated in human neuroendocrine lung tumors. **María Teresa Caro Cuenca.**
- **PSI.d.** TWEAK/Fn14 axis modulates acute kidney injury associated with rhabdomyolysis. **Melania Guerrero-Hue.**
- **PSI.e.** Mutations in colistin resistance genes in colistin-resistant subpopulations of wild-type *Klebsiella pneumoniae* of clinical origin. **Irene Sánchez León.**
- **PSI.f.** Glycogen synthase kinase-3 as a relevant target for the treatment of colorectal cancer. **Aurora Rivas Crespo.**
- **PSI.g.** Use of LC/MS for the identification of new allergens involved in olive pollen allergy. **Samanta Lozano de la Haba.**
- **PSI.h.** Putative pathophysiological roles of miRNAs in the regulation of pituitary expression of GnRH-R, LHB and FSHB, in the context of obesity-induced hypogonadism. **Yolanda Guerrero Ruiz.**
- **PSI.i.** A Preliminary Study of Circulating Tumour Cells in Patients with Hepatocellular Carcinoma Undergoing Neoadjuvant Transarterial Chemoembolization. **María Lola Espejo Cruz.**
- **PSI.j.** Social support in times of pandemic. Intervention study. **Elena López Cerdá.**
- **PSI.k.** In vitro evaluation of the effect of exosomes derived from umbilical cord MSCs grown in normoxia and hypoxia on cell types involved in skin regeneration. **Aina Torres Pallares.**
- **PSI.l.** Improvement of cetuximab-dependent cellular cytotoxic activity of human NK cells against colorectal cancer cells. **Carmen Navarrete Sirvent.**
- **PSI.m.** Health-Related Quality of Life in Cardiovascular Patients explicated by Positivity and Self-Efficacy. **Tamara Gutiérrez Domingo.**
- **PSI.n.** Peritonitis predictive factors in incidental patients in peritoneal dialysis. **Cayetana Moyano Peregrin.**
- **PSI.ñ.** Role of the phosphatase PNKP in temozolamide resistance. **Ariadna Muñoz Fernández.**
- **PSI.o.** Relevance of an AP lyase / DNA 3'-phosphatase pathway in the repair of abasic sites in human cells. **Marina Jordano Raya.**
- **PSI.p.** Are smoking and alcohol associated with peripheral musculoskeletal involvement in patients with Spondyloarthritis? Results from the ASASPerSpA study. **María Lourdes Ladehesa Pineda.**
- **PSI.q.** Histological changes of major pectoralis muscle fibres after breast prosthesis implantation. **Juan Cámara Pérez.**
- **PSI.r.** Inhibition of dipeptidyl peptidase 8/9 negatively affects human mesenchymal stem cell differentiation in vitro. **Bárbara Torrecillas Baena.**
- **PSI.s.** MicroRNAs involved in oxidative stress from patients with cardiovascular disease in response to two cardio-healthy diets: from CORDIOPREV study. **Maite Sánchez Giraldo.**
- **PSI.t.** Evolution of metabolic phenotypes of obesity after 5-year intervention with two healthy diets. Cordioprev study. **Laura Martín Piedra.**
- **PSI.u.** Role of intestinal microbiota in the sex-dimorphism differences in the cardiovascular diseases. **Helena García Fernández.**
- **PSI.v.** Role of DNA repair mechanisms in temozolamide resistance. **Inés Grávalos Cano.**
- **PSI.w.** Enhancing subjective well-being in cardiovascular disease patients through a mHealth psychological intervention in emotion regulation. **Naima Z Farhane Medina.**
- **PSI.x.** Medium-term clinical impact of the ejection fraction recovery in patients with severe left ventricle dysfunction. **Jorge Perea Armijo.**
- **PSI.y.** Healthy habits intervention program. WhatsApp broadcast. **Eva María Sánchez Cañete.**
- **PSI.z.** Severe aortic stenosis survival and mortality analysis, in a series of patients, clinical and economic factors. **María Teresa Conejero Jurado.**
- **PSI.aa.** Rare indications of lung transplantation in Andalucía. **David Poveda Chávez.**
- **PSI.bb.** Phase I / II single-arm efficacy and safety study of the use of neutral argon plasma in the debulking of miliary implants on the peritoneal surface. **Francisca Valenzuela Molina.**
- **PSI.cc.** Late complications in patients with Stent-treated coarctation of the aorta: Long-term follow-up. **Cristina Pericet Rodríguez.**
- **PSI.dd.** Management and knowledge of soft tissue tumors / sarcoma: Update of primary care physicians. **Raquel Gracia Rodríguez.**



16:30 – 18:15

Session III. Nutrition, Endocrine and metabolic diseases

(IMIBIC Assembly Hall)

Chairs: **Dr. Alejandra Pera & Dr. André M. Sarmiento.**

→ **IIIa. 16:30 – 16:45**

Long-term consumption of a Mediterranean diet or a low-fat diet on kidney function in coronary heart disease patients: an analysis of the CORDIOPREV randomized controlled trial. **Alicia Podadera Herreros.**

→ **IIIb. 16:45 – 17:00**

Molecular Diagnosis of Polycystic Ovary Syndrome in Obese and Non-Obese Women by Targeted Plasma miRNA Profiling. **Cecilia Perdices López.**

→ **IIIc. 17:00 – 17:15**

Evaluation of the effect of COVID-19 on body composition and the development of obesity in Spanish preschool children: Coral Study. **Laura Velarde Morales.**

→ **IIIId. 17:15 – 17:30**

Microvascular endothelial function, long-term dietary intervention and cardiovascular risk of recurrence: from the cordioprev study. **Marta Millán Orge.**

→ **IIIe. 17:30 – 17:45**

Hypothalamic lipid sensing: a new player in the metabolic control of puberty. **Elvira Rodríguez Vázquez.**

→ **IIIIf. 17:45 – 18:00**

Relationship between Physical Activity, Oxidative Stress, and Total Plasma Antioxidant Capacity in Spanish Children from the GENOBX Study. **Francisco Javier Aguilar Gómez-Cárdenas.**

→ **IIIg. 18:00 – 18:15**

Circulating miRNA profile in childhood early obesity and metabolic syndrome. **Miguel Ruiz Cruz.**

Day 2 (29th OCT)

08:30 – 09:00

Registration and Poster display

09:00 – 10:45

Session IV. Cancer II (IMIBIC Assembly Hall)

Chairs: **Dr. Oriol Rangel & Dr. Rafael Pineda.**

→ **IVa. 09:00 – 09:15**

GSK-3 inhibition as an immunotherapeutic approach in colorectal cancer. **Ana Mantrana Soldado.**

→ **IVb. 09:15 – 09:30**

SF3B1 inhibition disrupts malignancy and prolongs survival in glioblastoma patients through the imbalance of BCL2L1-splicing and

mTOR/ β catenin-pathways. **Antonio Carlos Fuentes Fayos.**

→ **IVc. 09:30 – 09:45**

The emerging role of the dual-specificity tyrosineregulated kinase 2 (DYRK2) regulating FBXW7 tumor suppressor in cancer development and progression. **Rafael Manuel Jiménez Izquierdo.**

→ **IVd. 09:45 – 10:00**

Dysregulation of the splicing machinery in rare tumors: The splicing process is altered in Pseudomyxoma Peritonei.

María Trinidad Moreno Montilla.

→ **IVe. 10:00 – 10:15**

The Combination of Neutrophil-Lymphocyte Ratio and Platelet-Lymphocyte Ratio with Liquid Biopsy Biomarkers Improves Prognosis Prediction in Metastatic Pancreatic Cancer. **Marta Toledano Fonseca.**

→ **IVf. 10:15 – 10:30**

Spliceosome dysregulation accompanies diet-induced chronic liver disease progression towards hepatocellular carcinoma in mouse models. **Antonio García Estrada.**

→ **IVg. 10:30 – 10:45**

Incidence of cancer in the native lung after single lung transplantation. **Alba María Fernández González.**

10:45 – 11:15

Break

11:15 – 12:15

Poster session II (IMIBIC Meeting & Multipurpose Room)

Chairs: **Dr. María Victoria García & Dr. Clementina López.**

→ **PSII.a.** Oncometabolism as a potential target in the poor prognosis subtype of colorectal cancer. **Ana Adela Calero García.**

→ **PSII.b.** Pharmacological inhibition of Nox4 protects against acute kidney injury associated to massive intravascular hemolysis. **Cristina García Caballero.**

→ **PSII.c.** Autophagy and mitochondrial alterations by anti-aging interventions with NAD⁺ boosters and CYB5R3 overexpression are sex dependent in mice kidney. **Miguel Pérez Rodríguez.**

→ **PSII.d.** Utility of copy number variation analysis detected by next generation sequencing in acute myeloid leukemia patients. **Kamila Janusz.**

→ **PSII.e.** SARS-CoV-2 and CMV chronic infection. **Pablo Álvarez Heredia.**

→ **PSII.f.** Circadian biorhythm and cardiometabolic risk among patients with coronary heart disease. **Juan Luis Romero Cabrera.**



- **PSII.g.** The Yin-Yang of Adipose Tissue Fibrosis. **Carmen Tercero Alcázar.**
- **PSII.h.** Improvement of “off-the-shelf” allogeneic CAR-T cells. **Kristina Pavlovic Pavlovic.**
- **PSII.i.** Alterations of mitochondrial ultrastructure due to aging and CYB5R3 overexpression. **Sara López Bellón.**
- **PSII.j.** Influence of low back pain, sequenced movement, short-term rest, and age on lumbar muscle mechanical properties. **Sandra Alcaraz Clarina.**
- **PSII.k.** Low fat diet modulates oxidative stress through FOXO1A genetic variant in coronary heart disease patients with type 2 diabetes. **Cristina Hidalgo Moyano.**
- **PSII.l.** Sensitisation Profile of Patients Allergic To Apis Mellifera. **Ana Belén Carmona Casado.**
- **PSII.m.** Impact of the use of diuretics after the onset of hemodialysis. **Victoria Eugenia García Montemayor.**
- **PSII.n.** Preliminary results on the establishment of an animal model of pseudomyxoma peritonei with human xenograft. **Blanca Rufián Andújar.**
- **PSII.ñ.** Additive antitumor effect of metformin and simvastatin combination in glioblastoma: evidence for a potential drug repurposing. **Miguel Eduardo García García.**
- **PSII.o.** Impact of the number of comorbidities on the outcome measures and on the retention rate of the first anti-TNF in patients with Ankylosing Spondylitis. Two-year follow-up REGISPONSER-AS. **María Ángeles Puche Larrubia.**
- **PSII.p.** Outcomes in patients with anti-gbm glomerulonephritis in a multicentric spanish cohort. **Marina Sánchez-Agesta Martínez.**
- **PSII.q.** Lipoprotein subclasses, particle sizes and standard lipid panel and their relationship with peripheral artery disease in coronary heart disease patients: from the CORDIOPREV study. **María del Pilar Coronado Carvajal.**
- **PSII.r.** Evaluation of Sedentary Behavior and Physical Activity Levels using Different Accelerometry Protocols in Children from the GENOBOX study. **José Manuel Jurado Castro.**
- **PSII.s.** Pediatrics eating disorders during the sars-cov19 pandemic in reina sofía university hospital. **María Jordano González.**

- **PSII.t.** A proposal for modification of PSOGI classification according to Ki-67 proliferation index in pseudomyxoma peritonei. **Ana Martínez López.**
- **PSII.u.** Rab34 or how to turn lipid storage on and off. **Jaime David López Alcalá.**
- **PSII.v.** Prevalence and Associated Factors of Low Bone Mineral Density in the Femoral Neck and Total Hip in Axial Spondyloarthritis: Data from the CASTRO Cohort. **Laura Bautista Aguilar.**
- **PSII.w.** Relationships between Body Mass Index and Psychosocial variables to predict the well-being of children and adolescents: a preliminary study. **Joaquín Villaécija Rodríguez.**
- **PSII.x.** Construcction of a predictive test for postpartum depression. **Irene Cabedo Olaya.**
- **PSII.y.** Intratumoral Bromelain and Acetylcysteine for Recurrent and Unresectable Pseudomyxoma Peritonei. A Phase I/II, unicentric study. **Lidia Rodríguez Ortiz.**
- **PSII.z.** Aortic valve infiltrating pro-inflammatory cells in aortic stenosis patients. **José Joaquín Domínguez del Castillo.**
- **PSII.aa.** Ventilatory therapies and Intensive Care admissions for patients with COVID-19: a systematic review. **María del Rocío Valverde León.**
- **PSII.bb.** Analyzing the Role of Autophagy in the Control of Puberty and Reproductive Function. **Manuel Jiménez Puyer.**
- **PSII.cc.** Relation between Helicobacter spp. isolated in bile and biliary tract malignancies. **Beatriz Gros Alcalde.**

12:15 – 12:30

Presentation of the UCAIBs

12:30 – 13:30

Plenary Lecture: Pluripotency for organ regeneration.

Dr. Núria Monserrat, ICREA Research Professor. Institute for Bioengineering of Catalonia (IBEC).

13:30 – 14:00

Awards and Closing ceremony