Organización ExpoBAC

Comunicaciones orales:

- **Sesión 1: Miércoles 9 de julio (13:00 – 14:00)**

  Sala 1

  - CO-01(*Bioinformática, nanobiotecnología y ómicas*) – Studying *Sinorhizobium fredii* HH103 trans-sRNAs putatively involved in symbiosis with legumes – **Francisco Fuentes Romero**
  - CO-02 (*Biotecnología agroalimentaria*) – Characterizing the Membrane Vesicle-Contained Auxin Transporter (AuxT) and its role in the symbiotic performance of *Sinorhizobium fredii* HH103 – **Natalia Moreno de Castro**
  - CO-03 (*Bioinformática, nanobiotecnología y ómicas*) – "¿Dónde está miarga?" (Where´s mycroalga?): an Artificial Intelligence-based application for microalgae detection in microscopy images – **Francisco José Ruiz Mota**
  - CO-04 (*Biotecnología agroalimentaria*) – *Danio rerio* as a functional feed tester – **Manuel Marí Beffa**
  - CO-05 (*Bioinformática, nanobiotecnología y ómicas*) – Machine learning models for predicting extreme patterns of male infertility using non-invasive biomarkers – **Francisco Javier Suárez López**

  Sala 2

  - CO-06 (*Biotecnología industrial*) – Cloning, expression and characterisation of deoxyribose-phosphate aldolase (DERA) enzymes from different origins – **Ana Roig Adam**
  - CO-07 (*Biotecnología ambiental*) – Unraveling the bacteriome of the compost pile with the ability to colonize polypropylene – **Martín Segado Pérez**
  - CO-08 (*Biotecnología industrial*) – Screening for fast-growing and robus *Haematococcus pluvialis* strains for use as a source of astaxanthin – **Pablo González Cabrera**
  - CO-09 (*Biotecnología ambiental*) – Cryopreservation of embryogenic cultures of Spanish fir: Effect of a cold-hardening treatment – **Laura Cabero Moreno**
  - CO-10 (*Biotecnología industrial*) – Comparative study of PHB production in batch and continuous cultures of Synechocystis salina in autotrophy – **Javier Garrido Romero**

- **Sesión 2: Miércoles 9 de julio (17:30 – 18:30)**

  Sala 1

  - CO-11 (*Microbiología y virología*) – Aim4 Protein Exhibits a Carbon Source-Dependent Role and Interacts with Eisosomes in Budding Yeast – **Malena Parlatore**
  - CO-12 (*Microbiología y virología*) – Engineering of an optogenetic system for translational regulation in *Escherichia coli* based on oleate hydratase enzyme and the RNA-binding protein Musashi-1- **Carlos Lozano Fuentes**
  - CO-13 (*Biotecnología marina*) – *Danio rerio* Embryogenesis as an In Vivo Model for the Evaluation of Bioactive Natural Compounds – **Sofía Latorre Redoli**
  - CO-14 (*Microbiología y virología*) – Microbiome and food safety: “One Health” perspective – **Victoria Romero Gómez**
  - CO-15 (*Microbiología y virología*) – Exploring the role of Mog1, a Ran binding protein, in budding yeast mitosis – **Lola Serrano Martín**

Sala 2

- CO-16 (*Biotecnología sanitaria*) – miR-143 control on retrotransposable element LINE-1 in colorectal cancer – **Gabriel Martínez Lasso de la Vega**
- CO-17 (*Biotecnología sanitaria*) – A High-Content Pipeline to Map Autophagy Heterogeneity in Breast Cancer at Single-Cell Resolution – **Joel David Posligua García**
- CO-18 (*Biotecnología sanitaria*) – Deep indel mutagenesis of the ALS protein SOD1 to comprehensively map the impact of mutations on protein abundance – **Tomás Quiroga**
- CO-19 (*Biotecnología sanitaria*) – Characterization and Biological Application of a Fluorescent Sensor for DPP-IV Enzymatic Activity – **José Acién Palmero**
- CO-20 (*Biotecnología sanitaria*) – Ire1 transmembrane domain as a therapeutic target in neurodegenerative diseases – **Alicia Claramunt Moraga**

- **Sesión 3: Jueves 10 de julio (11:30 – 12:30)**

Sala 1

- CO-21 (*Biotecnología sanitaria*) – Endocytic Turnover of Cell-Membrane Proteins as a Driver of Blood-Brain Barrier Specialization & Dysfunction – **Alba Tomás Sitjes**
- CO-22 (*Biotecnología sanitaria*) – Regulation of melanoma cell plasticity and therapeutic resistance via MITF-METTL3 crosstalk – **Ana Milanés Fernández**
- CO-23 (*Biotecnología sanitaria*) – Novel microfluidic device for ovarian tissue cryopreservation – **Marta Gargallo Alonso**
- CO-24 (*Biotecnología sanitaria*) – Hemostatic impact of alpha-1-antitrypsin Pittsburgh, a pan-inhibitory serpin – **Paloma López Correas**
- CO-25 (*Biotecnología sanitaria*) – The role of SAA1 and FGF22 in obesity – **Ángela Sánchez Fernández**
- CO-26 (*Biotecnología sanitaria*) – LncRNA PSMB8-AS1 regulates PD-L1 expression in pancreatic beta cells – **Miguel Quintana Torralbo**

Sala 2

- CO-27 (*Biotecnología ambiental*) – Biotechnology applied to the production of ecological material by biomineralization processes with the bacteria *Sporosarcina pasteurii* – **Ángela Ruiz Plaza**
- CO-28 (*Biotecnología ambiental*) – Bioprospecting Microbial Resources for Polyurethane Biodegradation – **Marta Muñoz Martí**
- CO-29 (*Biotecnología ambiental*) – Vegetable milk industry wastewater effluents as an alternative source of nutrients to grow cyanobacteria – **Ana Sáenz Ceniceros**
- CO-30 (*Biotecnología ambiental*) – Revalorization of wastewater from the brewing industry through the production of microalgal biomass – **Pablo Pérez Escudero**
- CO-31 (*Biotecnología ambiental*) – Virulence Determinants of *Pseudomonas savastanoi* Associated with Woody Hosts – **Antonio Arroyo Mateo**
- CO-32 (*Biotecnología ambiental*) – Technological and functional characterization of antimicrobial-producing strains – **Cristina Úbeda Cuerva**

Pósteres:

- **Sesión de póster: Jueves 10 de julio (16:30 – 18:00)**
  - P-01 (*Microbiología y virología*) – Harnessing Pseudomonas putida Membrane Vesicles: A novel strategy to combat plant pathogens – **Javier de la Peña Noya**
  - P-02 (*Microbiología y virología*) – Master messengers of the symbiotic behavior of rhizobial strains: Role of c-di-GMP and AHLs in the regulation of protein secretion systems – **María del Carmen Sánchez Aguilar**
  - P-03 (*Microbiología y virología*) – Beyond Nuclear Import: Mog1 as a Chromatin-Associated Regulator of Transcription Elongation – **Joan Serrano Quílez**
  - P-04 (*Microbiología y virología*) – Sfe1 effector in *Sinorhizobium fredii* HH103: beyond the Type III Secretion System – **Diego García Rodríguez**
  - P-05 (*Biotecnología sanitaria*) – Evaluation of the dermocosmetic properties of essential oils from Salvia rosmarinus and Melissa officinalis in skin cell models - **Lucía Gil Borrego**
  - P-06 (*Biotecnología sanitaria*) Targeting Cardiovascular Disease in Type 2 Diabetes: New Therapeutic Approaches – **Víctor Roger Pereira Pérez**
  - P-07 (*Microbiología y virología*) – The extracellular vesicle protein IalB enhances root colonization and nodulation in legumes – **Irene Herrero Gómez**
  - P-08 (*Biotecnología sanitaria*) – Anti-Inflammatory Potential of Key Phenolic Compounds from Virgin Olive Oil: Oleacein and Oleocanthal – **Isabel Vidal Valenzuela**
  - P-09 (*Biotecnología sanitaria*) – Strategies for the modulation of mitochondrial metabolism and activity in the treatment of neurodegenerative diseases – **Piedad Valverde Guillén**
  - P-10 (*Biotecnología sanitaria)* – Transgenic description of dermal, peri- and endochondral osteogenesis during craniofacial development in zebrafish – **Marta Carmona Padilla**
  - P-11 (*Biotecnología sanitaria*) – Sexual dimorphism in the impact of stress and alcohol during adolescence on adult cardiovascular status in an animal model – **María José Agüera Postigo**
  - P-12 (*Microbiología y virología*) – Study of the antimicrobial effect of vegetal bioproducts on yeast – **Miguel Lorente Martínez**
  - P-13 (*Microbiología y virología*) – Characterization of Eis1 and Sur7 behavior within eisosomes in response to nutrient stress in *Saccharomyces cerevisiae* – **Gala Gómez-Calero Rodríguez**
  - P-14 (*Biotecnología sanitaria*) – Study of cohesin loading in suppressor mutants of the essential gene cwf15 in the yeast *Schizosaccharomyces pombe* – **Javier Carrión Padilla**
  - P-15 (*Biotecnología sanitaria*) – CYSLTR2 as a possible biomarker in nasal polyposis – **Noelia Pintado Antonio**
  - P-16 (*Microbiología y virología*) – An interbacterial applicable tool for extracellular vesicle engineering based on a lipoprotein of *Pseudomonas aeruginosa* PA14 – **Paula Ayala García**
  - P-17 (*Biotecnología sanitaria*) – V1 Neuronal Responses Reveal Nonlinear Visual Processing – **Chameli Tomasino**
  - P-18 (*Biotecnología sanitaria*) – Molecular profile associated tu lupus nephritis based on extracellular vesicle cargos: exosomal miRNAs – **Lorena Adán Barco**
  - P-19 (*Biotecnología agroalimentaria*) – Evaluation of nutrient bioaccessibility of processed *Rugulopteryx okamurae* biomass by digestive simulation using digestive enzymes from sea bass (*Dicentrarchus labrax*) – **Alejandro Antonio Morcillo Guillén**
  - P-20 (*Biotecnología industrial*) – Characterization of *Lachancea thermotolerans* wildstrains from AOC Costers del Segre wine region with high L-lactic acid production in Chardonnay grape must – **Daniel Fernández Vázquez**
  - P-21 (*Microbiología y virología*) – Secreted LysM proteins are required for niche competition and full virulence in *Pseudomonas savastanoi* during host plant infection – **Laura María Barrientos Moreno**

- P-22 (*Biotecnología sanitaria*) – Exploring therapeutic approaches for ATP1A3 related neurological disorders using the zebrafish animal model – **Pilar López García**
- P-23 (*Biotecnología sanitaria*) – THE SHAPE OF PAIN: ANALYSIS OF MICROGLIAL MORPHOLOGY IN THE NUCLEUS ACCUMBENS UNDER CHRONIC INFLAMMATION – **María de Jorge Moreno**
- P-24 (*Bioinformática, nanobiotecnología y ómicas*) – IonDec: MS/MS-dependent mass precursor extractor – **María Victoria Calcis Marzán**
- P-25 (*Bioinformática, nanobiotecnología y ómicas*) – Cellular Plasticity and Biological Noise: Are They Synonymous? – **Alejandro Virués Morales**
- P-26 (*Bioinformática, nanobiotecnología y ómicas*) – Transcriptomic Analysis of Mesenchymal Cells from a Patient with Myopathy of Unknown Origin – **Irene Viseas Sáez**
- P-27 (*Biotecnología sanitaria*) – Effects of early life adversity on behavior and brain circuitry: focus on the thalamic reticular nucleus – **Celia Muñoz Menzinger**
- P-28 (*Microbiología y virología*) – Elucidating the Molecular Mechanisms Underlying *Sinorhizobium fredii* HH103 Soybean Symbiosis Mediated by the Type III Effector NopM – **Ana María Cutiño Gobea**
- P-29 (*Biotecnología sanitaria*) – Characterization of bioactivities of natural compounds in endothelial and tumor cells – **María del Carmen Banqueri Pegalajar**
- P-30 (*Biotecnología agroalimentaria*) – AflaxOFF: ADRESSING AFLATOXIN B1 CONTAMINATION THROUGH SYNTHETIC BIOLOGY – **Adrián Gómez Lara**
- P-31 (*Biotecnología agroalimentaria*) – Effects of dietary inclusion of Hifas Aqua on growth and intermediary metabolism in juvenile European seabass (*Dicentrarchus labrax*) – **Sara Flores Moreno**
- P-32 (*Biotecnología agroalimentaria*) – Providing new insights into moracin M, a novel bioactive compound from *Morus alba* – **Francisco José Vidal Sánchez**
- P-33 (*Biotecnología agroalimentaria*) – Characterization of Drought Stress Tolerance in Different Olive Genotypes – **Maite Moreno Gómez**
- P-34 (*Biotecnología sanitaria*) – Design and evaluation of pertuzumab based TH-CPPs with potential application as PBDs in HER2+ breast cancer – **Paola Alejandra Pérez Ortiz**
- P-35 (*Biotecnología agroalimentaria*) – Effect of dietary inclusion of biochar on digestive functionality in juvenile turbot (*Scophthalmus maximus*) – **Isabel del Carmen Ruiz Rodríguez**
- P-36 (*Biotecnología marina*) – Estimation of the age of *Danio rerio* by sclerochronological and molecular methods – **Teresa Martínez Cotes**
- P-37 (*Biotecnología agroalimentaria)* – Mechanisms of resistance linked to the ALS and ACCase genes in *Echinochloa* spp. populations from Extremadura – **María Vázquez Sández**
- P-38 (*Biotecnología ambiental*) – Structural and functional analysis of extracellular metallopeptidases from *Pseudomonas savastanoi* – **Cristina Salas Elmalem**
- P-39 (*Biotecnología sanitaria*) – Characterisation of the role of oleoylethanolamide as a preventive treatment in Pelizaeus-Merzbacher disease – **Patricia Zarza Herrero**