

VIII JORNADAS DE DIVULGACIÓN DE LA INVESTIGACIÓN EN BIOLOGÍA MOLECULAR, CELULAR, GENÉTICA Y BIOTECNOLOGÍA

Miércoles, 13 de junio de 2018

15:00 Entrega de documentación.

16:00 Inauguración y Presentación de las Jornadas.

PRIMERA SESIÓN

MODERADORES: Dolores Córdoba Cañero y Lara Paloma Sáez Melero

16:30 GRUPO BIO-202 (Laura Ramos-Moreno/Gabriel Caro/Miguel Ángel Aparicio): Stress responses and cation homeostasis in yeast. Biotechnological utilization of microorganisms in food industry and agriculture.

16:45 GRUPO BIO-138 (Manuel Sánchez): Mechanisms regulating fungal pathogenicity: Multilevel control of homeostasis.

17:00 GRUPO TEP-169 (Sara Pinzi): Production of biodiesel through recycling of lipid fraction of restaurant residues.

17:15 GRUPO BIO-187 (Nieves Abril): *Omic* approaches applied to environmental pollution risk assessment and to the aquaculture improvement.

17:30 GRUPO BIO-117 (Alfonso Olaya): Cyanomics: omic analysis of industrial cyanide-containing wastewater degradation by *Pseudomonas pseudoalcaligenes* CECT5344.

17:45 CONFERENCIA PLENARIA

Víctor de Lorenzo, Centro Nacional de Biotecnología (CNB-CSIC), Madrid
Good news and bad news: Microbes rule the Earth (including ourselves).

MODERADOR: Conrado Moreno Vivián

Jueves, 14 de junio de 2018

SEGUNDA SESIÓN

MODERADORES: Rocío Guzmán Ruiz y David González Ballester

- 09:00 GRUPO AGR-231 (Juan J. Garrido):** Dual transcriptome of the immediate neutrophil and *Salmonella typhimurium* interplay.
- 09:15 GRUPO BIO-301 (Rafael Rodríguez):** DNA demethylation by 5-methylcytosine excision and its potential applications in epigenetic editing.
- 09:30 GRUPO FQM-227 (María Asunción López):** Contribuciones del grupo FQM227 en metabolómica clínica y agroalimentaria.
- 09:45 GRUPO AGR-164 (Jesús V. Jorrín):** Las aproximaciones -ómicas y la biología de sistemas en investigación agroforestal y biomédica.
- 10:00 GRUPO BIO-123 (Guadalupe Gómez):** New insights into carbon and nitrogen metabolisms in marine picocyanobacterial.
- 10:15 GRUPO BIO-128 (Manuel Tejada/Neda Fakhimi):** Nitrogen assimilation and hydrogen production in the microalga *Chlamydomonas reinhardtii*.
- 10:30 EGRESADA M^a Carmen Muñoz-Marín:** Whole genome transcription patterns in the symbiotic cyanobacterium UCYN-A facilitates daytime N₂ fixation.
- 10:45 GRUPO BIO-276 (José M. Villalba):** Mechanisms that regulate aging and their plasticity through genetic and nutritional interventions.

Descanso (café)

TERCERA SESIÓN

MODERADORES: Gregorio Gálvez Valdivieso y Rosario Blanco Portales

- 11:30 GRUPO BIO-115 (Elena Delgado-García):** Avances en el metabolismo de nucleótidos y ureidos en judía (*Phaseolus vulgaris*).
- 11:45 GRUPO BIO-278 (José J. Higuera):** Transcription factors during fruit ripening and plant defense against pathogens in strawberry (*Fragaria × ananassa*).
- 12:00 EGRESADA M^a Dolores Rey:** Novel deletions to define the *Ph1* locus in bread wheat.
- 12:15 EMPRESA Phytoplant (Verónica Codesido):** Dismantling the bases of *in vitro* plant tissue culture.

12:30 EMPRESA Plant Response Biotech SL/Centro de Biotecnología y Genómica de Plantas, UPM-INIA, Madrid (Antonio Molina): Plant innate immunity applied to crops disease resistance: from the bench to the field.

13:00 CONFERENCIA INSTITUCIONAL Director Adjunto al Vicerrectorado de Investigación UCO (Alberto Marinas): Investigar en la UCO con y para la sociedad

MODERADOR: Emilio Fernández Reyes

CUARTA SESIÓN

MODERADORES: Manuel David Gahete Ortiz y M^a Ángeles Castillejo Sánchez

16:00 EMPRESA Canvax (Jesús C. Morales): Canvax: Powerful Solutions for Molecular & Cell Biology Research.

16:15 GRUPO AGR-158 (Zahira N. Fernández-Bedmar): Methods to asses on prevention of age-related diseases through dietetic natural and industrial compounds.

16:30 GRUPO BIO-216 (Raquel Requejo-Aguilar): Redox control of metabolism and signalling: relevance on cell death and proliferation.

16:45 GRUPO CTS-624 (Alberto Galván): El principal compuesto de sulfurado del ajo previene y mejora el cuadro evolutivo de la encefalomiелitis autoimmune experimental.

17:00 GRUPO BIO-139 (Julia Sánchez-Ceinos): Identification of novel biomarkers of adipose tissues dysfunction in obesity-related metabolic diseases.

17:15 GRUPO BIO-310 (Rafael Pineda): Investigación traslacional en pubertad, balance energético y fertilidad: herramientas en un laboratorio de neuroendocrinología experimental.

17:30 EGRESADO José A. López-Domínguez: Effects of a ketogenic diet on longevity and healthspan.

17:45 EGRESADO José Córdoba: Hepatocyte PPAR γ plays an important role in the development of NASH induced by methionine- and choline- deficient diet.

Viernes, 15 de junio de 2018

QUINTA SESIÓN

MODERADORES: Ángela Inmaculada López Lorente y Carmen Michán Doña

- 09:00 GRUPO RNM-271 (Inés M^a Santos-Dueñas):** Reactivación de cultivos congelados de *Gluconobacter oxydans*. Efecto del empleo de manitol o glucosa como fuente de carbono.
- 09:15 GRUPO FQM-215 (Ángela I. López-Lorente):** Gold nanostructures for surface enhanced vibrational spectroscopy studies of proteins.
- 09:30 GRUPO FQM-303 (Vanesa Román/M^a del Valle Zurita-Lozano):** New contributions of nanotechnology and miniaturization in enzymatic bioassay. Development of new methodologies for the determination of allergenic proteins with the use of nanomaterials.
- 09:45 GRUPO AGR-146 (Francisco J. Martín):** Proteomic and exo-metabolomic studies of wine yeast subjected to different winemaking conditions.
- 10:00 EGRESADO José L. Martínez:** Development of yeast cell factories for efficient and affordable production of blood substitutes by microbial fermentation.

Descanso (café)

- 10:45 GRUPO AGR-248 (Francisco J. Esteban):** Heterogeneous architectures to speed-up bioinformatics algorithms: Highly Heterogeneous Smith-Waterman (HHeterSW) algorithm.
- 11:00 EMPRESA Bio Knowledge Lab, BKL (Miguel Pérez):** De la idea a la empresa.
- 11:15 EMPRESA Hospital Veterinario/GRUPO CTS-179 (Elisa Díez):** Factors involved in variation of ACTH measurements and response to thyrotropin-releasing hormone (THR) stimulation test in healthy horses.
- 11:30 EGRESADO Rodrigo Prado:** Production of antigenic peptides for the MHC-I pathway is tightly regulated by the mRNA maturation process.
- 11:45 Servicio de Protección Ambiental, UCO (José E. Aguilar):** Improvement of hazardous waste management at the University of Córdoba through educational actions.
- 12:00 Clausura de las Jornadas**