



COMUNICACIONES ORALES

Sesión 1. Biotecnología vegetal			
Hora	Comunicación	Autor	Título
10:00-10:30	Keynote 1	Fernando Ponz	Plants as a source of tools for the development of molecular farming and nanobiotechnology
10:30-10:50	Oral 1.1	Eva Lozano-Milo	Establishment of plant cell suspension cultures for the production of bioactive compounds from Kalanchoe
10:50-11:10	Oral 1.2	Ana Bonaterra	Microbial biopesticides to control fungal diseases in grapevine. Production, field monitoring and analysis of the plant response
11:10-11:30	Oral 1.3	Filipa Mandim	Phenolic compounds profiles of different parts of the plant <i>Cynara cardunculus</i> L. var. <i>atilis</i>

Sesión 2. Biotecnología de la salud			
Hora	Comunicación	Autor	Título
10:00-10:30	Keynote 2	Eugenia Puentes	MTBVAC, a new freeze dried vaccine of <i>M. tuberculosis</i> against TB
10:30-10:50	Oral 2.1	Eva Martín	Preparation and validation of a DLC (Drug-in-Liposome-in-Cyclodextrin) system in cancer cell lines
10:50-11:10	Oral 2.2	María Matos	Nanoencapsulation of controlled size superparamagnetic nanoparticles for biomedical applications
11:10-11:30	Oral 2.3	Gabriel A. Monteiro	Minicircle Gene Delivery to Transiently modulate Mesenchymal Stromal Cell function in the context of angiogenesis-based regenerative medicine

Sesión 3. Biotecnología alimentaria

Hora	Comunicación	Autor	Título
12:30-13:00	Keynote 3	Isabel Belo	<i>Yarrowia lipolytica</i> as a microbial host for flavors and fragrances production
13:00-13:20	Oral 3.1	Martín García	Synthesis of potential prebiotic sugars by enzymatic extracts from the nectaries yeast <i>Metschnikowia reukaafii</i>
13:20-13:40	Oral 3.2	Fadia Cervantes	Sequential three-step biocatalytic process for the transformation of milk whey into the novel sweetener D-tagatose
13:40-14:00	Oral 3.3	Delicia L. Bazán	Production and characterization of a functional beverage obtained by fermentation of kiwifruit juice with kefir grains
16:00-16:20	Oral 3.4	Manuel Rendueles	Innovative functional yogurt incorporating microencapsulated calcium lactobionate
16:20-16:40	Oral 3.5	Antonio León-Vaz	Nutritional value of different microalgae isolated in the south of Spain and Portugal on the basis of their amino acidic profile
16:40-17:00	Oral 3.6	Pascual García-Pérez	Antioxidant potential of <i>Kalanchoe</i> extracts for the preservation of water-in-oil emulsions
17:00-17:20	Oral 3.7	Alejandro López-Prieto	Surfactants of microbial origin extracted from agro-industrial wastes: Agrifood applications
17:20-17:40	Oral 3.8	Zoran Merdzo	Analysing the transferase activity of α -glucosidase GAM1 from <i>Schwanniomyces occidentalis</i>

Sesión 4. Biocatálisis

Hora	Comunicación	Autor	Título
12:30-13:00	Keynote 4	Pedro Lozano	Sustainable chemical processes in ionic liquids and supercritical carbon dioxide
13:00-13:20	Oral 4.1	Juan Carro	Production of furandicarboxylic building block from renewable methoxymethylfurfural through a self-sustained enzymatic cascade
13:20-13:40	Oral 4.2	Fernando López	Cell-free immobilized multi-enzyme systems; from the design to the application
13:40-14:00	Oral 4.3	Cristina Coscolín	Towards the search of powerful enzymes by applying metagenomics and computational techniques
16:00-16:20	Oral 4.4	David Fernández	Production of neo-fructooligosaccharides by the b-fructofuranosidase from <i>Xanthophyllomyces dendrorhous</i> immobilized by different methodologies
16:20-16:40	Oral 4.5	Bernardo J. Gómez	Travelling back and forth: Directed evolution of an ancestral high-redox potential laccase
16:40-17:00	Oral 4.6	Peter E. Kidibule	Immobilization of chitinase chit42 on chitosan beads and magnetic nanoparticles for chitooligosaccharides production
17:00-17:20	Oral 4.7	Ivan Mateljak	The generation of thermostable fungal laccase chimeras by SCHEMA-RASPP structure-guided recombination in vivo
17:20-17:40	Oral 4.8	Jesús Albarrán	Design of sequential chemoenzymatic strategies towards optically active allylic alcohols and amines. Use of laccases in combination with alcohol dehydrogenases and amine transaminases

Sesión 5. Biotecnología industrial

Hora	Comunicación	Autor	Título
10:00-10:30	Keynote 5	Emilio Molina	Sustainable integrated Algae Biorefinery for the production of bioactive compounds for Agriculture and Aquaculture (SABANA)
10:30-10:50	Oral 5.1	Alberte Regueira	Modelling the production of VFA from proteins by mixed culture fermentations
10:50-11:10	Oral 5.2	Daniel Bustamante	Scaling-up continuous lignocellulosic biobutanol production
11:10-11:30	Oral 5.3	Felix García-Ochoa	Dihydroxyacetone production from glycerol using <i>Gluconobacter oxydans</i> : a kinetic model
12:00-12:20	Oral 5.4	Raquel Aires-Barros	A microfluidic platform for downstream process optimization
12:20-12:40	Oral 5.5	Thelmo A. Lu-Chau	Evaluation of batch ABE extractive fermentation with solvents of different nature
12:40-13:00	Oral 5.6	Augusto Pedro	Bioprocessing of recombinant proteins using alternative purification platforms
13:00-13:20	Oral 5.7	Elisa Alonso	Microorganisms for use as a biocatalyst for green chemistry processes
13:20-13:40	Oral 5.8	Arnau Gasset	Gene dosage and specific growth rate impacts on recombinant protein production in <i>Komagataella phaffii</i> regulated by the AOX ₁ promoter

Sesión 6. Biotecnología ambiental

Hora	Comunicación	Autor	Título
10:00-10:30	Keynote 6	Eduardo Díaz	Exploiting bacterial metabolism for removal of aromatic pollutants and biowaste revalorization
10:30-10:50	Oral 6.1	Juan Hernández	Extraction and Quantification of Antibiotics using Aqueous Two-Phase Systems based on Citrate Salts and Acetonitrile
10:50-11:10	Oral 6.2	Borja Lagoa	Cheese whey, a Galician dairy industry by-product, as potential feedstock for VFA production using a mixed culture
11:10-11:30	Oral 6.3	Miguel Angulo	Hydrolysis of butcher's waste by Alcalase
12:00-12:20	Oral 6.4	Lorena González	Anaerobic populations and enzymes involved in the removal of organic micropollutants
12:20-12:40	Oral 6.5	Carmen Menacho	Pilot-scale composting of organic fraction of municipal solid waste for agricultural use
12:40-13:00	Oral 6.6	Pedro A. García	Valorization of methane emissions into polyhydroxyalkanoates by methanotrophs enriched from Sphagnum mosses: Assessing the effect of temperature and phosphorus limitation
13:00-13:20	Oral 6.7	Elena Olaya	Power to gas technology by biological methanation
13:20-13:40	Oral 6.8	Gema Lozano	Gene expression study of <i>E. coli</i> growing in glucose and acetate as carbon sources

Sesión 7. Nuevos retos en biotecnología

Hora	Comunicación	Autor	Título
10:00-10:30	Keynote 7	María José Alonso	Pendiente de confirmar
10:30-10:50	Oral 7.1	Álvaro González	Synthesis, use and modelling of a gel containing Levan-capped silver nanoparticles for bactericidal purposes
10:50-11:10	Oral 7.2	Gema Gutiérrez	Controlled size nanocolloids production for bioapplications
11:10-11:30	Oral 7.3	Sandra Alonso	ProBone - New tools for prospecting the marine bone-degrading microbiome for novel enzymes

Sesión 8. Biotecnología microbiana

Hora	Comunicación	Autor	Título
10:00-10:30	Keynote 8	Ramón Santamaría	Modification of regulatory systems in <i>Streptomyces</i> to increa antibiotics production
10:30-10:50	Oral 8.1	Ramón González	Identification of target genes to reduce acetate yield by <i>Saccharomyces cerevisiae</i> under aerobic conditions
10:50-11:10	Oral 8.2	Pendiente de confirmar	
11:10-11:30	Oral 8.3	Manuel Santiago Godoy	Random mutagenesis of <i>Rhodospirillum rubrum</i> to improve growth in syngas