BIOTEC VIGO 2019
10 - 13 JUNIO

COMUNICACIONES ORALES

Martes 11 de junio

Sesión 1. Biotecnología vegetal			
Hora	**Comunicación**	**Autor**	**Título**
10:00-10:30	Keynote 1	**Fernando Ponz Ascaso** Universidad Politécnica de Madrid	Plants as a source of tools for the development of molecular farming and nanobiotechnology.
10:30-10:50	Oral 1.1	**Eva Lozano Milo** Universidade de Vigo	Establishment of plant cell suspension cultures for the production of bioactive compounds from Kalanchoe.
10:50-11:10	Oral 1.2	**Ana Bonaterra** Universidad de Girona	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** Instituto Politécnico de Bragança, Portugal - Universidad de Salamanca	Phenolic compounds profiles of different parts of the plant *Cynara cardunculus* L. var. altilis.

Sesión 2. Biotecnología de la salud			
Hora	**Comunicación**	**Autor**	**Título**
10:00-10:30	Keynote 2	**Eugenia Puentes** Zendal	MTBVAC, a new freeze dried vaccine of M. *tuberculosis* against TB.
10:30-10:50	Oral 2.1	**Fernando Mesías** Universidad de Salamanca	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** Universidad de Oviedo	Nanoencapsulation of controlled size superparamagnetic nanoparticles for biomedical applications.
11:10-11:30	Oral 2.3	**Gabriel A. Monteiro** Universidade de Lisboa, Portugal	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** Universidade do Minho, Portugal	Yarrowia lipolytica as a microbial host for flavors and fragrances production.
13:00-13:20	Oral 3.1	**Martín García González** Universidad Autónoma de Madrid	Synthesis of potential prebiotic sugars by enzymatic extracts from the nectaries yeast *Metschnikowia reukafii.*
13:20-13:40	Oral 3.2	**Fadia Cervantes** Instituto de Catálisis y Petroleoquímica (ICP-CSIC)	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 Tantaleán** Universidade de Vigo	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** Universidad de Oviedo	Innovative functional yogurt incorporating microencapsulated calcium lactobionate.
16:20-16:40	Oral 3.5	**Antonio León Vaz** Universidad de Huelva	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** Universidade de Vigo	Antioxidant potential of Kalanchoe extracts for the preservation of water-in-oil emulsions.
17:00-17:20	Oral 3.7	**Alejandro López Prieto** Universidade de Vigo	Surfactants of microbial origin extracted from agro-industrial wastes: Agrifood applications.
17:20-17:40	Oral 3.8	**Zoran Merdzo Kunovac** Universidad Autónoma de Madrid	Analysing the transferase activity of α-glucosidase GAM1 from *Schwanniomyces occidentalis.*

Sesión 4. Biocatálisis			
Hora	**Comunicación**	**Autor**	**Título**
12:30-13:00	Keynote 4	**Pedro Lozano** Universidad de Murcia	Sustainable chemical processes in ionic liquids and supercritical carbon dioxide.
13:00-13:20	Oral 4.1	**Juan Carro Aramburu** Centro de Investigaciones Biológicas (CIB – CSIC)	Production of furandicarboxylic building block from renewable methoxymethylfurfural through a self-sustained enzymatic cascade.
13:20-13:40	Oral 4.2	**Bernardo J. Gómez** Instituto de Catálisis y Petroleoquímica (ICP - CSIC)	Travelling back and forth: Directed evolution of an ancestral high-redox potential laccase.
13:40-14:00	Oral 4.3	**Cristina Coscolín** Instituto de Catálisis y Petroleoquímica (ICP - CSIC)	Towards the search of powerful enzymes by applying metagenomics and computational techniques.
16:00-16:20	Oral 4.4	**David Fernández Polo** Instituto de Catálisis y Petroleoquímica (ICP - CSIC)	Production of neo-fructooligosaccharides by the b-fructofuranosidase from *Xanthophyllomyces dendrorhous* immobilized by different methodologies.
16:20-16:40	Oral 4.5	**Pablo Aza Toca** Centro de Investigaciones Biológicas (CIB – CSIC)	Characterizacion of a novel fungal laccase synthesized de novo and expressed in yeast by using directed evolution.
16:40-17:00	Oral 4.6	**Peter E. Kidibule** Centro de Biología Molecular Severo Ochoa (UAM - CSIC)	Immobilization of chitinase chit42 on chitosan beads and magnetic nanoparticles for chitooligosaccharides production.
17:00-17:20	Oral 4.7	**Ivan Mateljak** Instituto de Catálisis y Petroleoquímica (ICP - CSIC)	The generation of thermostable fungal laccase chimeras by SCHEMA-RASPP structure-guided recombination in vivo.
17:20-17:40	Oral 4.8	**Jesús Albarrán** Universidad de Oviedo	Design of sequential chemoenzymatic strategies towards optically active allylic alcohols and amines. Use of laccases in combination with alcohol dehydrogenases and amine transaminases.