

OP ERDF Galicia 2014-2020

"A way to make Europe"



4th

ANNUAL MEETING

1-2 July 2021

09:00h Online





Mónica Gómez Malmierca
Dpto. Biología Funcional,
Área Microbiología
Universidad de Oviedo
Asturias, Spain



Marina Romani Pérez
Instituto de Agroquímica y Tecnología
de Alimentos (IATA-CSIC)
Valencia, Spain



Fernando Reyes
Fundación MEDINA
Granada, Spain



Belén Rodríguez Sánchez
Servicio de Microbiología Clínica
y Enfermedades Infecciosas
Hospital Gregorio Marañón
Madrid, Spain

09:00h OPENING

09:15h Discovery and combinatorial biosynthesis of sipanmycins: a new family of glycosylated macrolactams

Mónica Gómez Malmierca
Invited Speaker

09:45h The microbiota and the gut-brain axis in the control of energy homeostasis

Marina Romani Pérez
Invited Speaker

10:15h Comparison of methods for the isolation and characterization of exosomes in plasma of Relapsing Remitting Multiple Sclerosis patients: interference of soluble protein, lipoproteins and another extracellular vesicles

Araceli Piñeiro Abuín, CINBIO (UVigo)
Oral

10:30h MUC16 is overexpressed in idiopathic pulmonary fibrosis and induces fibrotic responses mediated by transforming growth factor- β 1 canonical pathway

Beatriz Ballester Llobell, Helmholtz Zentrum München
Oral

10:45h Functional and phenotypic characterization of human TBX4 sequence variation: gain of function mutations result in late-onset lung disease

Mauro Lago Docampo, CINBIO (UVigo)
Oral

11:00h POSTER SESSION

12:30h Structural elucidation of complex natural products assisted by biosynthetic gene cluster analysis

Fernando Reyes
Invited Speaker

13:00h MALDI-TOF Mass Spectrometry and MachineLearning. Applications in Clinical Microbiology

Belén Rodríguez Sánchez
Invited Speaker

13:30h Highly pleiotropic variants of human traits and diseases associated with strong background selection

Irene Novo, UVigo
Oral

13:45h Algae as a source of nutraceuticals and functional foods

Franklin Chamorro, Nutrition and Bromatology Group (UVigo)
Oral



Jeanine Houwing-Duistermaat

Department of Statistics, University of Leeds, UK
Department of Statistics, University of Bologna, Italy
Department of Biostatistics and Data Science,
University Medical Centre Utrecht, The Netherlands



Rebecca Betensky

Department of Biostatistics
School of Global Public Health
New York University

14:00h LUNCH TIME

**15:30h Probabilistic partial least squares methods
for data integration**

Jeanine Houwing-Duistermaat
Invited Speaker

16:00h Reconsideration of the Kaplan-Meier Estimator: Censoring and Time-varying Covariates

Rebecca Betensky
Invited Speaker

**16:30h Parametric Landmark estimation of the transition probabilities in survival data
with multiple events**

Gustavo Soutinho, ISPUP - Instituto de Saúde Pública da Universidade do Porto
Oral

16:45h Where is the mice? - Exploring the R package

Susana Rafaela Martins, Instituto Politécnico de Viana do Castelo
Oral

17:00h DTDA, the renewed R package to analyse doubly truncated data

Carla Moreira, Centre of Mathematics - University of Minho
Oral

17:15h Re-analysis of miRNA-Seq differential expression analyses in neuropsychiatric diseases

Daniel Pérez-Rodríguez, NeuroEpigenetics Lab, Translational Neuroscience Group-CIBERSAM,
Galicia Sur Health Research Institute (IIS Galicia Sur)
Oral

17:30h END OF DAY 1



María del Puerto Morales
Instituto de Ciencia de Materiales de
Madrid del Consejo Superior de
Investigaciones Científicas (ICMM/CSIC)
Madrid, Spain



**Pablo del Pino
González de la Higuera**
CIQUS & Condensed Matter Phys Dept.
BioNanoTools LAB
Universidade Santiago de Compostela,
Spain

**09:00h Controlling local temperature
at the magnetic nanoparticle surface
for improving bio and catalytic efficiency**

María del Puerto Morales

Invited Speaker

09:30h Controlled plasmonic coupling for advanced photocatalysis

Yoel Negrín, CINBIO (Uvigo)

Oral

09:45h Selective and Ultrasensitive SERS Sensor based on Plasmonic Supercrystals

Daniel García Lojo, CINBIO (UVigo)

Oral

10:00h Scaling on transport properties of nanofluids

José I. Prado, CINBIO (UVigo)

Oral

10:15h ALEHOOP Project: Biorefineries for the valorisation of macroalgal residual biomass and legume processing by-products to obtain new protein value chains for high-value food and feed applications

Camila Jiménez González, UVigo

Oral

10:30h POSTER SESSION

12:00h Active Nanomaterials for Live Cell Applications

Pablo del Pino González de la Higuera

Invited Speaker

**12:45h Electroactive polypyrrole/linseed oil
nanocapsules for drug delivery applications**

Gabriela de Alvarenga, Federal University of
Paraná (UFPR) / CINBIO

Oral

**13:15h Plasmonic nanorattles for in situ SERS
imaging of cellular metabolism in
microbial colonies**

Sarah de Marchi, CINBIO (UVigo)

Oral

12:30h Chiral plasmonic photocatalysts

Lucas Vázquez Besteiro, CINBIO (UVigo)

Oral

**13:00h Manufacture of Magnetic
Spiky Structures**

Ecem Tiryaki, CINBIO (UVigo)

Oral

13:30h CLOSING SESSION



Vigo University Campus
36310 Vigo – Spain
Phone: 986 812 118
cinbio@uvigo.es

