

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



Andreas Tittl
Chair in Hybrid Nanosystems,
Nanoinstitute Munich,
Ludwig-Maximilians-Universität München,
Germany

**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 Spectrally selective metasurfaces for molecular
biospectroscopy and sensing**

Andreas Tittl

Invited Speaker

12:30h Chiral plasmonic photocatalysts

Lucas Vázquez Besteiro, CINBIO (UVigo)

Oral

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

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

Oral

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

Ecem Tiryaki, CINBIO (UVigo)

Oral

**13:15h Bacterial surface display for the expression
and engineering of functional
glycan-binding proteins**

Alba Vázquez Arias, CINBIO (UVigo)

Oral

13:30h CLOSING SESSION



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