



# 11<sup>th</sup> Workshop in Lipidomics

## LIPIDOMICS IN HEALTH & DISEASE

### APRIL 12th 2023

Zoom online meeting

14:00 - 17:15

Lisbon Time

- 14:00 - 14:30 Valery Bochkov** (University of Graz, Austria)  
Oxidized phospholipids as biomarkers, drug leads and drug targets
- 14:30 - 14:45 Inês Guerra** (University of Aveiro, Portugal)  
Looking for biomarkers for medium-chain acyl-CoA dehydrogenase deficiency using lipidomics
- 14:45 - 15:00 Tânia Fernandes** (University of Coimbra, Portugal)  
Alterations in the ER-mitochondria contacts affect lipidome profile in an Alzheimer's disease *in vitro* model
- 15:00 - 15:30 Laura Goracci** (University of Perugia, Italy)  
Untargeted hunting of low abundant lipids: how can software help?
- 15:30 - 15:45 Break**
- 15:45 - 16:15 Alex Dickens** (University of Turku, Finland)  
The endocannabinoid system in mental health
- 16:15 - 16:45 Justine Bertrand-Michel** (National Institute of Health and Medical Research, France)  
Supercritical Fluid chromatography couple to MS/MS a useful tool for profiling lipids in health: applications to plasma, dry blood spot and skin
- 16:45 - 17:00 Silvia Diaz** (University of Porto, Portugal)  
Contribution of lipidomics for cardiovascular risk assessment
- 17:00 - 17:15 Concluding remarks**

**Organizing committee:** Ana Moreira | Bruno Neves | Cristina Barros | Francisco Amado | Helena Ferreira | Inês Guerra | Pedro Domingues | Rita Ferreira | Rosário Domingues | Tânia Dinis | Tatiana Maurício



**FOOD  
LIPIDOMICS****11<sup>th</sup> Workshop in Lipidomics****APRIL 26th 2023****Zoom online meeting****14:00 - 17:15****Lisbon Time****14:00 - 14:30 Georgios Theodoris** (Aristotle University of Thessaloniki, Greece)**14:30 - 15:00 Tall Bochnik** (Gilat Research Center, Agricultural Research Organization, Israel)Effect of fertilization on *Nigella sativa* lipid compounds**15:00 - 15:30 Marie-Caroline Michalski** (French National Institute for Agriculture, Food, and Environment, France)

Dietary polar lipids and their metabolic impacts according to their specific residues in the gut

**15:30 - 15:45 Break****15:45 - 16:15 Izaac Zipori** (Agricultural Research Organization, Israel)

Factors affecting the sensory properties of virgin olive oil - From the orchard to our table

**16:15 - 16:25 Marisa Pinho** (University of Aveiro, Portugal)Salt stress modulates the polar lipidome of *Halimione portulacoides* cultured in hydroponics**16:25 - 16:35 Tatiana Maurício** (University of Aveiro, Portugal)Similarities and singularities of the lipidome, nutritional and bioactive properties of four edible strains of *Chlorella vulgaris***16:35 - 17:05 Agnieszka Bartoszek** (Gdańsk University of Technology, Chemical Faculty, Poland)

Lipidomics at the service of nutrition

**17:05 - 17:15 Concluding remarks****Organizing committee:** Ana Rita Pais | Bruna Neves | Cristina Barros | Francisca Marques | Joana Batista | Pedro Domingues | Rosário Domingues | Tânia Dinis | Tânia Melo | Tiago Conde | Zipora Tietel



# 11<sup>th</sup> Workshop in Lipidomics

## MARINE LIPIDOMICS

### May 3rd 2023

#### Zoom online meeting

#### 14:00 - 17:15

#### Lisbon Time

- 14:00 - 14:30 Cinta Porte** (Institute of Environmental Research and Water Assessment, Spain)  
Environmental lipidomics: assessing the response of cells and organisms to pollutants exposure
- 14:30 - 14:45 Ana Cabral** (University of Aveiro, Portugal)  
Biochemical profiles of seahorses from a nutritional point of view
- 14:45 - 15:00 Francisca Marques** (University of Aveiro, Portugal)  
Exploitation of an innovative food-grade approach for the extraction of lipids from microalgae and seaweeds, single or blended
- 15:00 - 15:30 Alessandro Vincenzo Laudicella** (National Institute of Oceanography and Applied Geophysics, Italy)  
Bringing the blue mussels lipidome to light: global lipidomics from early life stages to sexual maturity
- 15:30 - 15:45 Break**
- 15:45 - 16:15 Christopher Parrish** (Memorial University of Newfoundland, Canada)  
Use of mass spectrometry in aquaculture nutrition studies of lipids
- 16:15 - 16:30 Tiago Conde** (University of Aveiro, Portugal)  
Different combinations of temperature and salinity modulate the lipid, nutritional and functional added-value of *Tetraselmis striata*
- 16:30 - 16:45 Arianna Pansini** (Università degli Studi di Sassari, Italy)  
Variability in the seagrass *Posidonia oceanica* fatty acid profiles: the need of finding reliable warming descriptors
- 16:45 - 16:55 João Pereira** (University of Aveiro, Portugal) | **Salomé Lois** (Instituto de Investigación Mariñas, Spain)  
The role of lipids in chloroplasts maintenance inside animal cells | Brain region lipidomics and marine lipid intake in an aging rodent model
- 16:55 - 17:15 Concluding remarks**

**Organizing committee:** Ana Cabral | Diana Lopes | Felisa Rey | Isabel Medina | Marisa Pinho | Pedro Domingues | Ricardo Calado | Rosário Domingues | Tânia Dinis

