

3rd EUGLOH Plant Science Meeting

7th Meeting in Functional Biology and Plant Biotechnology

20/21/22nd November 2023

Faculty of Science, University of Porto – Room FC5-2.78

GMT Time Zone

PROGRAMME

20th November

9:30 Registration

9:50 **Opening Ceremony**
Conceição Santos – Faculty of Sciences, University of Porto

SESSION 1: PLANT FUNCTIONAL GENOMIC

Chair: Sílvia Coimbra

10:00 Plenary lecture 1. **The plant secretory pathway under the lens**
Luciana Renna, University of Florence, Italy

10:45 AO1. **Protein trafficking mechanisms and the role of the exocyst in stress response.**
João Neves, Faculty of Sciences, University of Porto /GreenUPorto

11:00 AO2. **Characterization of cardosins and PSIs expression and sorting pathways in Arabidopsis under stress.**
Inês Moura, Faculty of Sciences, University of Porto /GreenUPorto

11:15 AO3. **Uncovering Cardosin A and PSIs sorting pathways in BY-2 cells.**
Diana Areias, Faculty of Sciences, University of Porto /GreenUPorto

11:30 AO4. **Dual targeting function of the GLN2-encoded Glutamine Synthetase.**
João Ferreira, Faculty of Sciences, University of Porto /GreenUPorto

11:45 AO5. **The PlanBIO's research landscape at University of Porto's BIOPOLIS-CIBIO.**
Herlander Azevedo, Faculty of Sciences, University of Porto /CIBIO

12:00 AO6. **Characterization of biodiversity and domestication in grapevine using whole genome sequencing approaches.**
João Nunes, Faculty of Sciences, University of Porto /CIBIO

12:15 AO7. **Identifying sex-determining genes on the giant Y chromosome of *Silene latifolia*.**
Catarina Branco, Faculty of Sciences, University of Porto /CIBIO

12:30 AO8. **Characterizing candidate genes involved in the suberization dynamics of Arabidopsis tissues.**
Ana Catarina Vila-Verde, Faculty of Sciences, University of Lisbon

12:45 AO9. **Seeds of life: the secrets of plant reproduction.**
Ana Marta Pereira, Faculty of Sciences, University of Porto /LAQV/REQUIMTE

13:00 **Lunch break**

SESSION 2: PLANT PHYSIOLOGY

Chair: Fernanda Fidalgo

14:00 Plenary lecture 2. **Gaining insight into transgenerational stress memories in plants.**
Federico Martinelli, University of Florence, Italy

14:45 A10. **The role of glutamine synthetase GLN2 during photorespiration in *Arabidopsis thaliana*.**
Eliška Kobercová, Charles University, Czech Republic

15:00 AO11. **Understanding glutamine synthetase in Arabidopsis seed development and germination- An insight into the Plant Productivity lab studies.**
Emanuel Moreira, Faculty of Sciences, University of Porto /GreenUPorto

15:15 AO12. **How can we improve plant growth under a changing environment? - a snapshot of Plant Stress lab research.**
Cristiano Soares, Faculty of Sciences, University of Porto /GreenUPorto

15:30 A13. **Climate change-induced effects on *Castanea sativa* Miller – can mycorrhization be an effective strategy.**
Pedro Mateus, Faculty of Sciences, University of Porto /GreenUPorto

15:45 **Coffee Break**

16:15 Plenary lecture 3. **Studying plant specialized metabolism using cell suspension models and integration of omics.**
Tomás Matus, Institute for Integrative Systems Biology: Valencia, Spain

17:00 AO14. **Sustainable approaches for controlling kiwifruit bacterial canker disease.**
Ana Tendeiro, Faculty of Sciences, University of Porto /GreenUPorto

17:15 AO15. **Understanding molecular interactions between DE-ETIOLATED 1 and CONSTITUTIVE PHOTOMORPHOGENIC 1 in plant responsiveness to light.**
Alexandra Pereira, Faculty of Sciences, University of Porto /CNB

17:30 AO16. **Melatonin treatment retards fungal decay in postharvest table grapes.**
Maria Paes, Faculty of Sciences, University of Lisbon

17:45 **Flash Poster Presentation**

21st November

SESSION 3: PLANT AND ALGAE BIOTECHNOLOGY

Chair: Paula Melo

9:30 Plenary lecture 4. **Kimitec's insight into biostimulants and biopesticides.**
Paola Haro Vera, Kimitec, Spain

10:15 Plenary Lecture 5. **Ib2Lab: Plant Molecular and Biotechnology tools to respond to diseases and climate challenges.**
Conceição Santos, Faculty of Sciences, University of Porto / LAQV/REQUIMTE

10:45 AO17. **Chlorophyll derivatives with anti-obesity activity.**
Ricardo Figueiredo, Faculty of Sciences, University of Porto /CIIMAR

11:00 *Coffee Break*

10:45 AO18. **Biodiversity and performance assessment of a constructed wetland for domestic wastewater treatment.**
João Magalhães, Faculty of Sciences, University of Porto /CIIMAR

11:00 AO19. **Evaluate the use of retail food waste for the production of *Chlorella vulgaris*.**
Pedro Pereira, Faculty of Sciences, University of Porto /Allmicroalgae

11:15 AO20. **Exploring cyanobacteria bioactive metabolites for new anti-inflammatory therapies.**
Lécia Rodrigues, Faculty of Sciences, University of Porto /CIIMAR

11:30 AO21. **Comparative study of different subspecies of *Oryza sativa* for cationic dyes removal from aqueous solution.**
Hadid Sukmana, Doctoral School of Environmental Science, University of Szeged

11:45 AO22. **Diatom photonic nanostructures: paving the way for next-generation nano-biodevices.**
Vera Cardoso, ECOMAR, University of Aveiro

12:00 **Flash Poster presentation**

12:30 **Closing ceremony**

22nd November

9:15 Plenary lecture 6.
Stefano Mancuso, University of Florence, Italy
