

2nd EUGLOH Plant Science Meeting

6^o Encontro em Biologia Funcional e Biotecnologia de Plantas

2nd /3rd November 2022

PROGRAMME (provisional)

2nd November (Amphitheater 0.40 Biology Department)

9:30 Register

Opening Ceremony

10:00 Conceição Santos – Science Faculty, University of Porto
Marianne Delarue - Saclay Plant Sciences Graduate School of Research

SESSION 1: PLANT FUNCTIONAL GENOMIC

Chair: Silvia Coimbra

10:20 Plenary lecture 1. **The study and manipulation of compartmentalization and traffic in plant cells**
Gian Pietro Di Sansebastiano, University of Salento, Italy

11:15 AO1. **Plant cell unconventional trafficking: characterization of different vacuolar markers**
Miguel Sampaio, Science Faculty, University of Porto /GreenUPorto

11:35 AO2. **Endomembrane markers and stress: a functional study using Arabidopsis plants**
João Neves, Science Faculty, University of Porto /GreenUPorto

11:50 AO3. **Our SPReD hub: How do molecular networks control seed development?**
Jessy Silva, Science Faculty, University of Porto /LAQV/REQUIMTE

12:10 AO4. **Unveiling the role of several AGPs during pollen development in Arabidopsis thaliana**
Sara Mendes, Science Faculty, University of Porto /LAQV/REQUIMTE

12:25 AO5. **Functional characterization of putative *Arabidopsis thaliana* iodide peroxidases to understand iodine regulation in plants**
Leandro Pires Science Faculty, University of Porto /CIBIO

12:40 AO6. **Relationship between RNA silencing and DNA damage/repair**
Martin Lacroix, Paris- Saclay Plant Science Graduate School of Research

12:55 **Lunch break**
Posters

SESSION 2: PLANT MICROBE INTERACTIONS

Chair: Mathieu Jossier

14:00 Plenary lecture 2. **Characterization of nitrogen nutrition of maize mediated by the arbuscular mycorrhizal fungus *Rhizophagus irregularis***
Allia Dellagi, Paris- Saclay Plant Science Graduate School of Research/ AgroTech/INRAE/IJPB

15:10 AO7. **Antimicrobial and plant defense elicitor potential of essential oil emulsions to control kiwifruit bacterial canker**
Juliana Fernandes, Science Faculty, University of Porto /REQUIMTE

15:25 AO8. **Selective bioherbicide effect of a microalgae isolated from a Portuguese soil**

Telma Nunes, Science Faculty, University of Porto /GreenUPorto

15:40 **Coffee Break**

Posters

Plenary Lecture 3. **The ultimate fix to the nitrogen problem in agriculture: improving the ability of non-leguminous plants to host**

16:10 **diazotrophs**

Jean Michel Ané, University of Wisconsin, USA

17:00 AO9. **Can E. globulus leaf aqueous extracts be used to inhibit the growth of phytopathogenic bacteria?**

Mafalda Pinto, Science Faculty, University of Porto /GreenUPorto

17:15 AO10. **DNA markers profiling reveals host adaptation of Xanthomonas euroxanthea**

Kayla Silva, Science Faculty, University of Porto/CIBIO

17:30 **Flash Poster presentations**

3rd November (Amphitheater 0.40 Biology Department)

SESSION 3: PLANT PHYSIOLOGY

Chair: Fernanda Fidalgo

9:30 Plenary lecture 4. **The molecular mechanisms underlying plant morphogenesis - a focus on the adventitious rooting process.**

Hélia Cardoso, University of Évora, Portugal

10:20 AO11. **Plant Productivity Lab – Glutamine Synthetase@Seeds in A. thaliana, a case study**

Emanuel Moreira, Science Faculty, University of Porto /GreenUPorto

10:40 AO12. **Awakening plants for a changing environment – how can we help them thrive?**

Pedro Mateus, Science Faculty, University of Porto /GreenUPorto

11:00 AO13. **Is Proline accumulation in Glyphosate-induced toxicity a stress signal or a tolerance mechanism**

Pedro Nadais, Science Faculty, University of Porto /GreenUPorto

11:15 **Coffee Break**

Posters

11:40 AO14. **Bioaccumulation of exogenously applied copper in tomato and the participation of Metallothioneins**

Alexandre Alves, Science Faculty, University of Porto /GreenUPorto

11:55 AO15. **The PlanBIO's research landscape at University of Porto's BIOPOLIS-CIBIO**

Herlander Azevedo, Science Faculty, University of Porto /CIBIO

12:15 **Flash Poster presentations**

SESSION 4: PLANT AND ALGAE BIOTECHNOLOGY

Chair: Paula Melo

14:00 AO16. **Exploiting cyanobacterial metabolism to unveil new natural products and inquire about beta-oxidation**
Barbara Pires, Science Faculty, University of Porto / CIIMAR

14:15 AO17. **Pathway discovery and eco-physiological relevance of a new enzyme and its products involved in exogenous fatty acid incorporation in cyanobacteria.**
Ricardo Queirós, Science Faculty, University of Porto /CIIMAR

14:30 AO18. **Exploring allelopathic properties of plants to control harmful algal blooms**
Pedro Nascimento, Science Faculty, University of Porto /CIIMAR

14:45 AO19. **Unravelling the role of High Mobility Group (HMG) domain gene (Ec-13_001750) in sex determination of *Ectocarpus* brown alga**
Carla Guerra, Science Faculty, University of Porto /Max Planck Institute

15:00 AO20. **Epigenomic mechanisms of survival to the polar night in the diatom *Fragilariopsis cylindrus***
Juliette Laude, Paris- Saclay Plant Science Graduate School of Research

15:15 **Flash Poster presentations**

15:30 **Closing ceremony**
