

advances in plant biology and biotechnology



Program

Monday, Sep 28

8.30 – 9.30 h: Registration

9.30 – 10.00 h: Welcome address and introduction

Mechanisms of Development and Differentiation

10.00 – 10.45 h: **Jennifer Fletcher**, UCB
Chromatin-mediated regulation of cell fate decisions in Arabidopsis

10.45 – 11.15 h: **Cristina Ferrándiz**, IBMCP (CSIC-UPV)
The secrets of a long life: genetic control of life span in monocarpic plants

11.15 – 11.45 h: Coffee break

11.45 – 12.15 h: **Javier Cejudo**, IBVF (CSIC-US)
The NADPH-dependent (NTRC) and ferredoxin-dependent redox systems act concertedly in chloroplast redox regulation

12.15 – 12.45 h: **Myriam Calonje**, IBVF (CSIC-US)
Unveiling PRC1's regulatory network in Arabidopsis

12.45 – 13.15 h: **Fernando Aniento** (UV)
p24 family proteins: key players in the regulation of trafficking along the secretory pathway

Interactions between Plants and the Environment

15.30 – 16.15 h: **Frank Harmon**, UCB
Discovery of genes involved in developmental and temporal responses to ambient temperature cues

16.15 – 16.45 h: **David Alabadí**, IBMCP (CSIC-UPV)
Oxygen as a positional signal during seedling emergence

16.45 – 17.15 h: **José León**, IBMCP (CSIC-UPV)
Regulation of NO sensing and signaling through NO-related post-translational modifications and N-end rule pathway targeted proteolysis

- 17.15 – 17.45 h: Coffee break
- 17.45 – 18.15 h: **Eva Barreno, UV**
Coexistence of microalgae: implications for the physiology and adaptive capacity of lichen symbioses
- 18.15 – 18.45 h: **Cristina Branquinho, CBA (UL)**
Towards a common desiccation tolerance mechanism in Bryophytes: morphology matters
- 18.45 – 19.15 h: **Jaume Flexas, UIB**
Cell wall thickness and chloroplast distribution at the crossroad; an evolutionary trade-off between photosynthesis and desiccation tolerance

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- 18.45 – 19.15 h: Posters

Tuesday, Sep 29

Biotechnological applications

- 10.00 – 10.45 h: **Kris Niyogi, UCB**
Regulation of photosynthesis by light and carbon
- 10.45 – 11.15 h: **Pablo Vera, IBMCP (CSIC-UPV)**
Novel factors conditioning disease susceptibility to fungal necrotrophs in Arabidopsis
- 11.15 – 11.45 h: **Miguel A. Botella, UMA**
Endoplasmic Reticulum-Plasma Membrane (ER-PM) contact sites mediated by Arabidopsis SYT1 is essential for plasma membrane stability and stress tolerance
- 11.45 – 12.15 h: Coffee break
- 12.15 – 12.45 h: **Federico Valverde, IBVF (CSIC-US)**
The role of sugars in the floral transition in Arabidopsis
- 12.45 – 13.15 h: **Isabel Arrillaga (UV)**
'Embryo-for-stress': somatic embryogenesis to increase resilience in forest trees
- 13.15 – 13.30 h: **Russell Jones, UCB**
Concluding remarks