

# Workshop

## *New Frontiers in Plant Biology*

*Centro de Biotecnología y Genómica de Plantas (UPM-INIA)*  
June 15<sup>th</sup> -17<sup>th</sup>, 2016

### PROGRAM

#### JUNE 15<sup>TH</sup>

14:30-15:00 *Opening and welcome*

**PLANT DEVELOPMENTAL GENETICS**      Chair: Dr. Monica Pernas

15:00-15:50 **CRISANTO GUTIÉRREZ**  
*Plant cell proliferation and development in a chromatin context*

15:50-16:40 **ARP SCHNITTGER**  
*Control of entry and progression through meiosis*

16:40-17:10 *Coffee Break*

17:10-18:00 **SIOBHAN BRADY**  
*Gene regulatory networks in plant roots*

18:00-18:50 **DORIS WAGNER**  
*Reprogramming of plant cell identity or function in response to developmental or environmental cues*

#### JUNE 16<sup>TH</sup>

**INTERACTIONS OF PLANTS WITH ENVIRONMENT** Chair: Dr. Emilia Lopez-Solanilla

9:00-9:50 **SHENG YANG HE**  
*Bacterial pathogenesis as a probe of plant biology*

9:50-10:40 **MARIA J HARRISON**  
*Reprogramming root cells for arbuscular mycorrhizal symbiosis*

10:40-11:10 *Coffee Break*

11:10-12:00 **ROBERTO SOLANO**  
*Jasmonate signaling without jasmonate: Functional conservation of the pathway in land plants*

12:00-12:50 **CHRISTOPHER VOIGT**  
*Engineering nitrogen fixation*

12:50-14:30 *Lunch*

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**Chair: Dr. Fernando García-Arenal**

- 14:30-15:20 STÉPHANE BLANC**  
*Plant cell communication may allow unconventional way of life for multipartite viruses*
- 15:20-16:10 CARMEN CASTRESANA**  
*Uncovering the activities of oxylipins as activators of plant immunity against pathogen infection*
- 16:10-16:40 Coffee Break**
- 16:40-17:30 KARIN KRUPINSKA**  
*WHIRLY proteins involved in the organization of DNA in organelles and nucleus, play a role in cross tolerance responses of plants*
- 17:30-18:20 HOLGER PUCHTA**  
*Double-strand break induced genome engineering in plants*
- 18:30-20:30 Social meeting: PhDs Poster Session.**  
*Food and drinks will be served.*

### JUNE 17<sup>TH</sup>

**SYSTEMS AND SYNTHETIC BIOLOGY** Chair: Dr. Fernando Ponz

- 9:30-10:20 YURI GLEBA**  
*Industrial use of transiently modified plants*
- 10:20-11:10 MICHAEL FELDBRÜGGE**  
*The biotechnological potential of plant pathogenic fungi*
- 11:10-11:40 Coffee Break**
- 11:40-12:30 PAULO ARRUDA**  
*Unlocking the bacterial and fungal communities assemblages in sugarcane reveals the microbiota potential for bioenergy production*
- 12:30-13:20 GABINO SÁNCHEZ**  
*Reference high quality genome sequencing for non-model organisms*
- 13:20 Closing**

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