

First Chinese-Spanish Workshop

Centre of Excellence for Plant-Environment Interactions (CEPEI)

Centro de Biotecnología y Genómica de Plantas (CBGP, UPM-INIA/CSIC), Madrid (Spain)
Shanghai Center for Plant Stress Biology - Chinese Academy of Science (PSC-CAS), Shanghai (China)
Institute of Genetics and Developmental Biology - Chinese Academy of Science (IGDB-CAS), Beijing (China)

Virtual Event, May 31st and June 1st, 2021 (CET / GMT+2)

DAY 1: May 31st, 2021

9:00-9:15 Welcome by Authorities

Welcome by Guillermo Cisneros (Rector of UPM)

- Weicai Yang (Director of IGDB-CAS)
- Jian-Kang Zhu (Director of PSC-CAS)
- Esther Esteban (Director of INIA/CSIC)
- Qiang Fang (Head of European Affairs of the Bureau of International Cooperation of CAS)
- Closing words by Guillermo Cisneros (Rector of UPM)

9:15-9:25 Welcome and Presentation of the Centre of Excellence in Plant-Environment Interactions (CEPEI)

Antonio Molina & Carlos del Pozo (Coordinators CEPEI at CBGP UPM-INIA/CSIC), Jian-Min Zhou & Qi Lei (Coordinators CEPEI at IGDB-CAS), Rosa Lozano-Duran & Alberto Macho (Coordinators CEPEI at PSC-CAS)

Session 1 - Chair: Andrea Sánchez-Vallet (CBGP, UPM-INIA/CSIC)

09:25-9:50 *The interactions between plants and root microbiome in Arabidopsis and rice*

Yang Bai (IGDB-CAS)

9:50-10:15 *Multi-scale model of plant organ growth and patterning*

Krzysztof Wabnick (CBGP, UPM-INIA/CSIC)

10:15-10:40 *Ubiquitination in plant stress and ABA signaling*

Qi Xie (IGDB-CAS)

10:40-10:50 Break

Session 2 - Chair: Yihua Zhou (IGDB-CAS)

10:50-11:15 *Engineering ROS-sensitive/insensitive photosynthetic apparatus*

Chanhong Kim (PSC-CAS)

11:15-11:40 *Regulation of translation and protein quality control in response to environmental cues*

Mar Castellano (CBGP, UPM-INIA/CSIC)

11:40-12:05 *A microtubule-mediated mechanical feedback controls leaf blade flattening*

Yuling Jiao (IGDB-CAS)

12:05-12:30 *Post-transcriptional regulation of the aluminum-resistance transcription factor STOP1 in plants*

Chao-Feng Huang (PSC-CAS)

Zoom link for virtual event will be provided upon registration

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DAY 2: June 1st, 2021

Session 3 - Chair: Alberto Macho (PSC-CAS)

9:00-9:25 *An Arabidopsis metabolite disarms bacterial pathogen*

Jian-Min Zhou (IGDB-CAS)

9:25-9:50 *Bacterial perception and the interaction with plant host*

Emilia López-Solanilla (CBGP, UPM-INIA/CSIC)

9:50-10:15 *Plant Immunity triggered by cell wall derived glycans*

Antonio Molina (CBGP, UPM-INIA/CSIC)

10:15-10:40 *Enhanced Green Revolution yield via modulation of nitrogen-responsive GA signaling*

Xiangdong Fu (IGDB-CAS)

10:40-10:50 **Break**

Session 4 - Chair: Soledad Sacristán (CBGP, UPM-INIA/CSIC)

10:50-11:15 *Phosphate sensing mechanisms in plants*

Mingguang Lei (PSC-CAS)

11:15-11:40 *Root developmental traits associated with plant adaptability to environmental and nutrient soil conditions*

Mónica Pernas (CBGP, UPM-INIA/CSIC)

11:40-11:50 **Concluding Remarks**

Antonio Molina (CEPEI-CBGP), Jian-Min Zhou (CEPEI-IGDB) and Alberto Macho (CEPEI-PSC)

11:50-12:00 **Closing CEPEI Workshop by Authorities**

- Claudio Feijoo (Vice-President for Entrepreneurship of UPM)
- Jose J. Sánchez Serrano (Deputy Director General for Internationalization of Science and Innovation, Ministry of Science and Innovation of Spain).

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