

## First Chinese-Spanish Workshop Centre of Excellence for Plant-Environment Interactions (CEPEI)

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

**Madrid, 2<sup>nd</sup> March 2020**

(CBGP, Universidad Politécnica de Madrid (UPM)-Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria (INIA), Campus de Montegancedo, Pozuelo de Alarcón, Madrid, Spain)

### Location

**9:00-9:30: Registration**

**9:30-9:50: Welcome by Authorities**

**9:50-10:10: Presentation of the Centre of Excellence in Plant-Environment Interactions (CEPEI)**

Antonio Molina (CBGP), Jian-Kang Zhu (Director PSC), Jian-Min Zhou (Coordinator CEPEI at IGDB)

**10:15-11:20: Computational/Synthetic Biology and Genomics**

- **Jian-Kang Zhu (PSC-CAS):** Precision genome editing technologies for plant research and breeding.
- **Yang Bai (IGDB-CAS):** The interactions of plants and root microbiome in *Arabidopsis* and rice.
- **Xiujie Wang (IGDB-CAS):** Using bioinformatics to identify new regulatory mechanisms.

**11:20-11:50: Coffee Break**

**11:50-13:40: Plant Adaptation to Environmental Changes**

- **Yuehui He (PSC-CAS):** Embryonic resetting of parental 'memory of winter cold' in plants.
- **Qi Xie (IGDB-CAS):** Ubiquitination in plant stress and ABA signaling.
- **Pengcheng Wang (PSC-CAS):** OK-SnRK cascade in ABA and osmotic stress signaling.
- **Yuling Jiao (IGDB-CAS):** A microtubule-mediated mechanical feedback controls leaf blade flattening.
- **Zhaobo Lang (PSC-CAS):** DNA methylation in fruit ripening.

**13:40-15:00: Lunch**

**15:00-16:50: Improving Plant Responses to Biotic Stresses**

- **Jian-Min Zhou (IGDB-CAS):** An *Arabidopsis* metabolite disarms bacterial pathogen
- **Rosa Lozano-Duran (PSC-CAS):** Shedding light on the multilayered viral manipulation of plant development and defence.
- **Alberto Macho (PSC-CAS):** Deciphering the molecular basis of biotic stress caused by bacterial pathogens.
- **Chuanyou Li (IGDB-CAS):** MED25 at The Nexus of Jasmonate Signaling
- **Yihua Zhou (IGDB-CAS):** Insights into Arabinoxylan Biosynthesis in Rice

**16:50-17:20. Tea Break**

**17:20-18:50. Empowering Plant Nutrition**

- **Huiming Zhang (PSC-CAS):** Rhizobacterium-derived diacetyl modulates plant immunity in a phosphate-independent manner.
- **Xiangdong Fu (IGDB-CAS):** Enhanced Green Revolution yield via modulation of nitrogen-responsive GA signaling.
- **Yiping Tong (IGDB-CAS):** Exploring genes for efficient use of nitrogen in wheat.
- **Chanhong Kim (PSC-CAS):** Engineering ROS-sensitive/insensitive photosynthetic apparatus.

**19:00: Concluding Remarks:** Antonio Molina (CBGP, UPM-INIA), Jian-Kang Zhu (Director PSC-CAS), Jian-Min Zhou (Coordinator CEPEI at IGDB-CAS)