

PLANT PERFORMANCE UNDER STRESS
Workshop and Symposium (EIG CONCERT – Japan)
September 25th, 2018; Jena, Germany
Venue: MPI for Chemical Ecology
Schleiden/Stahl rooms

9:30 Welcome address, Prof. Stephan Pollmann, Prof. Ralf Oelmüller

Chair: Prof. Ralf Oelmüller

9:45 Prof. **Rodrigo A. Gutierrez** (Pontificia Universidad Católica de Chile)
Phylogenomics and systems biology approaches reveal conserved adaptive processes in Atacama desert plants

10:15 Prof. **Stephan Pollmann** (Centro de Biotecnología y Genómica de Plantas, Madrid)
Towards a role for indolic compounds in controlling seed maturation

10:45 Prof. **Wilhelm Boland** (MPI for Chemical Ecology, Germany)
Nature's tricks to enhance terpenoid diversity for defense

11:15 Dr. **Javier Paz-Ares** (Centro Nacional de Biotecnología, Madrid)
Control of plant responses to phosphate starvation

12:00 **Lunch** (available in local cafeteria)

Chair: Prof. Stefan Pollmann

14:00 Prof. **Heribert Hirt** (KAUST, Saudi-Arabia)
Plant stress tolerance by endophytic Enterobacter SA187 is mediated by a bacterial metabolite-activated plant ethylene signaling

14:30 Dr. **Yusuke Saijo** (Nara Institute of Science and Technology, Japan)
Integration of microbial and environmental cues in plant immunity

15:00 Prof. **Hitoshi Sakakibara** (Nagoya University, Japan)
Quantitative and qualitative tuning of cytokinin actions for plant growth optimization

Coffee break

Chair: Dr. Axel Mithöfer

16:00 Prof. **Ian Baldwin** (MPI for Chemical Ecology, Germany)
A native tobacco uses its microbiome to manage resistance against a native fungal disease

16:30 Dr. **Marilia Almeida-Trapp** (MPI for Chemical Ecology, Germany)
"Crop-omics": can we still learn something from wild crop plants?

17:00 Prof. **Kai-Wun Yeh** (Taiwan National University, Taiwan)
VOCs play the signal function to induce defense response against herbivore attacks in Sweet potato (Ipomoea batatas) plant community.