

NEXTplant Workshop 2019

October 21 – Nov 29, 2019
HHU Düsseldorf

Topics & Lecturers:

- Analytics LC, GC, Gel, MALDI, Quatrupole, Electrospray (Markus Pauly)
- Plant Synthetic Biology: quantitative signaling and optogenetics (Matias Zurbriggen)
- Biostatistics (Oliver Ebenhöf, Benjamin Stich, Ovidiu Popa)
- Photosynthesis
 - Light Reactions (Shizue Matsubara)
 - Calvin-Benson-Cycle (Tom Sharkey)
 - CAM Photosynthesis (Klaus Winter, Andreas Weber)
 - C4 Photosynthesis (Andreas Weber)
 - Chlorophyll Fluorescence (Shizue Matsubara)
 - Mathematical Modelling (Oliver Ebenhöf, Anna Matuszynska)
- Circadian Clock (Ilka Axmann, Markus Kollmann)
- Microbiology
 - Plant Immune System (Vera Göhre)
 - Microbial virulence (Michael Feldbrügge, Stephan Wawra)
 - Plant-Pathogens & Symbionts (Vera Göhre, Uta Paszkowski, Jörg Kämper)
- Plant development and signalling: insights and study methods (Rüdiger Simon, Frank Wellmer, Sebastian Hensch)
- Iron homeostasis and allocation in plants (Petra Bauer, Huxia Shou)

External Guests:

- Thomas Sharkey, Department of Biochemistry and Molecular Biology, Michigan State University
- Klaus Winter, Plant Physiology Program, Smithsonian Tropical Research Institute, Panama
- Stephan Wawra, CEPLAS, University Cologne
- Uta Paszkowski, Department of Plant Sciences, University of Cambridge
- Jörg Kämper, Department of Genetics, Karlsruhe Institute of Technology
- Frank Wellmer, Trinity College, Dublin, Ireland
- Huixia Shou, College of Life Sciences, Zhejiang University, Hangzhou, China