

# Program

**Wednesday October 11, 2017**

12:00 - Registration (*small snacks will be served*)

**Session 1 Chair: Kay Schneitz (TUM)**

**14:00 [T1.1] Dolf Weijers (University of Wageningen, NL)**

Origin and evolution of the nuclear auxin response system

**14:30 [T1.2] Idan Efroni (Hebrew University of Jerusalem, ISR)**

*De novo* initiation of meristems in Arabidopsis and tomato

**15:00 [T1.3] Hiroo Fukuda (University of Tokyo, JP)**

The VISUAL system visualizes key regulators of early vascular development

**15:30** *Coffee break and posters*

**Session 2 Chair: Karina van der Linde (University Regensburg)**

**16:30 [T2.1] David Nelson (University of California-Riverside, CA, USA)**

The evolution of strigolactone and karrikin receptors in plants with specialized germination strategies

**17:00 [T2.2] Caroline Gutjahr (LMU, Munich, DE)**

Cross kingdom lipid transfer from plants to arbuscular mycorrhiza fungi

**17:30 [T2.3] Phil Wigge (The Sainsbury Laboratory, Cambridge, UK)**

Temperature sensing and signal integration in plant development

**18:00 [T2.4] Daniel Gibbs (University of Birmingham, UK)**

Control of VRN2 stability by the N-end rule pathway links oxygen sensing to PRC2 function in flowering plants

**18:30 [T2.5] Erika Isono (University of Constance, DE)**

Regulation of ubiquitin-dependent intracellular membrane transport processes in plants

**afterwards** *Mixer with drinks, cool beer, food and posters*

**Thursday October 12, 2017**

**Session 3 Chair: Ulrich Hammes (TUM)**

**9:00 [T3.1] Uwe Sonnewald (University of Erlangen-Nürnberg, DE)**  
Unraveling the protein composition of plasmodesmata of Arabidopsis leaves

**9:30 [T3.2] Kay Schneitz (TUM, Freising, DE)**  
The atypical Arabidopsis GPI-anchored  $\beta$ -1,3 glucanase ZERZAUST controls floral organ development mediated by the atypical receptor-like kinase STRUBBELIG

**10:00 [T3.3] Francois Parcy (CNRS Grenoble, FR)**  
A structural journey among floral regulators

**10:30 [T3.4] Thorsten Schnurrbusch (IPK Gatersleben, DE)**  
Genetic regulation of spike form and grain number in temperate cereals

**11:00** *Coffee break and posters*

**Session 4 Chair: Thomas Ott (University of Freiburg)**

**11:30 [T4.1] Ulrich Hammes (TUM, Freising, DE)**  
Exporters – the missing link in long-distance transport of amino acids

**12:00 [T4.2] Rita Groß-Hardt (University of Bremen, DE)**  
Building and bypassing plant polyspermy barriers

**12:30 [T4.3] Stefanie Sprunck (University of Regensburg, DE)**  
Molecular and cellular events during flowering plant gamete interactions

**13:00** *Lunch break and posters*

*(Thursday October 12, 2017)*

**Session 5 Chair: Chris-Carolin Schön (TUM)**

**14:00 [T5.1] Klaus Schmidt (KWS Saat, Einbeck, DE)**

Improvement of wheat in the era of New Breeding Methods

**14:30 [T5.2] Tom Brutnell (Danforth Center, St. Louis, USA)**

Dissecting C4 photosynthetic pathways in the grasses; from comparative genomics to functional genomics

**15:00 [T5.3] Maria von Korff (University of Düsseldorf, DE)**

Genetic control of spikelet development in barley

**15:30** *Coffee break and posters*

**Session 6 Chair: Thomas Dresselhaus (University Regensburg)**

**16:00 [T6.1] Frederic Berger (Gregor Mendel Institute, Wien, AT)**

Maintenance of Polycomb gene silencing depends on H3 variants in plants

**16:30 [T6.2] Holger Puchta (Karlsruhe Institute of Technology, DE)**

Genome engineering in plants: Past, Present, Future

**17:00 [T6.3] Olivier Loudet (INRA, Versailles, FR)**

Natural variation for growth response to the environment in Arabidopsis

**17:30 [T6.4] Maximilian Griesmann (Helmholtz Zentrum Munich, DE)**

Deciphering the nitrogen-fixing root nodule symbioses with comparative phylogenomics

**ca. 18:15** *Departure by bus from the conference for Munich and*

*Conference dinner at the Hofbräuhaus München*

*Return ca. 23:00*

**Friday      October 13, 2017**

**Session 7    Chair: Stefanie Ranf (TUM)**

**9:00          [T7.1] Regine Kahmann**

**(Max-Planck-Institute for Terrestrial Microbiology, Marburg, DE)**

Core effectors in smut fungi: an amazing treasure box

**9:30          [T7.2] Eric Kemen**

**(Max-Planck-Institute for Plant Breeding Research, Cologne, DE)**

Leaf microbial communities: structure and dynamics

**10:00        [T7.3] Thomas Ott (University of Freiburg, DE)**

Dynamic patterning of cell surface receptors and partners

**10:30        [T7.4] Martin Parniske (LMU, München, DE)**

A novel component of the CCaMK/CYCLOPS complex regulates root nodule symbiosis

**11:00        Coffee break**

**Session 8    Chair: Caroline Gutjahr (TUM)**

**11:30        [T8.1] Cyril Zipfel (The Sainsbury Laboratory, Norwich, UK)**

Regulation of receptor kinase-mediated immune signaling

**12:00        [T8.2] Corina Vlot-Schuster (Helmholtz Zentrum Munich, DE)**

Monoterpenes promote systemic acquired resistance within and between plants

**12:30        [T8.3] Stefanie Ranf (TUM, Freising, DE)**

Immune sensing of lipopolysaccharide in animals and plants: same but different

**13:00        Claus Schwechheimer (TUM, Freising, DE)**

*Concluding remarks and end of conference*