

Molecular Encoding of Specificity in Plant Processes

University of Tübingen, University of Heidelberg, University of Hohenheim, Max Planck Institute for Biology Tübingen

📍 CRONA Kliniken, Hoppe-Seyler-Str. 3, 72076 Tübingen

Wednesday, March 20th

13:15 – 13:40 *Arrival - Coffee*

13:40 – 14:00 **Welcome addresses**
Klaus Harter, Spokesperson of the CRC1101
Thilo Stehle, Dean of the faculty of Mathematics and Natural Sciences

Chair: Thorsten Nuernberger

14:00 – 14:35 **Jane Parker** (Max-Planck Institute for Plant Breeding Research, Cologne)
"Signalling specificity and cross-talk in plant immunity"

14:35 – 15:10 **Ari Pekka Mähönen** (Viikki Plant Science Centre, University of Helsinki)
"Signaling framework to position stem cells of the vascular cambium"

15:10 – 15:45 **Libo Shan** (College of LSA, University of Michigan)
"Harmony in Signaling: Unveiling Functional Dynamics of Plant Peptide-Receptor Pairs"

15:45 – 16:20 *Break*

Chair: Gerd Jürgens

16:20 – 16:55 **Yasin Dagdas** (Gregor Mendel Institute, Vienna)
"Why, How, and What to Eat for Staying Fit"

16:55 – 17:30 **Margot Smit** (Center for Plant Molecular Biology, University of Tübingen)
"Slow and not so furious: temporal control of cell fate in the stomatal lineage"

17:30 – 18:05 **Michael Lenhard** (Institute for Biochemistry and Biology, Univ. of Postdam)
"Telling left from right in flowers"



Thursday, March 21st

Chair: **Klaus Harter**

09:00 – 09:35 **Karel Riha** (Central European Institute of Technology, Masaryk University)
"Role of RNA-protein biocondensates in regulating gene expression during plant germline differentiation"

09:35 – 10:10 **Emmanuelle Bayer** (Membrane biogenesis Laboratory, CNRS, Bordeaux)
"Failing to divide to insert communication bridges"

10:10 – 10:45 *Break*

Chair: **Isabel Monte**

10:45 – 11:20 **Marie Barberon** (Department of Plant Sciences, University of Geneva)
"Getting to the root of nutrient transport"

11:20 – 11:55 **Kasper van Gelderen** (Centre for Organismal Studies, Univ. of Heidelberg)
*"The Cell Biology of light signaling:
Live imaging of phytochrome B photobodies"*

11:55 – 12:30 **Jenny Russinova** (VIB, Center for Plant Systems Biology, Gent)
"Regulation of brassinosteroid homeostasis in the Arabidopsis root"

12:30 – 13:45 *Lunch break (Mensa Morgenstelle, Auf der Morgenstelle 26)*

13:45 – 15:30 **Poster session**

Chair: **Claudia Oecking**

15:30 – 16:00 **Ping He** (College of LSA, University of Michigan)
"Protein homeostasis, polymerization, and condensation in malectin-like receptor kinase-mediated activation of intracellular immune receptors"

16:00 – 16:35 **Daniel van Damme** (VIB, Center for Plant Systems Biology, Gent)
"Order and disorder in clathrin-mediated endocytosis in plants"

16:35 – 17:10 *Break*

Chair: **Marja Timmermans**

17:10 – 17:45 **Susana Coelho** (Max-Planck Institute for Biology, Tübingen)
"Molecular and evolutionary mechanisms underlying sex in brown algae"

17:45 – 18:20 **Julien Gronnier** (Center for Plant Molecular Biology, University of Tübingen)
"The powers of hydrogen in root development"

18:20 – 18:55 **Eva Benkova** (Institute of Science and Technology Austria, Vienna)
"Role of auxin and cytokinin in plant adaptive developmental responses"



Friday, March 22nd

Chair: **Erik Schäffer**

- 09:00 – 09:35 **Matthieu Platre** (Salk Institute for Biological Studies, La Jolla)
"Ubiquitination driven SRF3 nano-organization fine tunes iron bioavailability upon bacterial elicitation"
- 09:35 – 10:10 **Martin Bayer** (Center for Plant Molecular Biology, University of Tübingen)
"Parental signals make the difference - polarity establishment in the plant embryo"
- 10:10 – 10:45 **Simona Radutoiu** (Depart. of Molecular Biology and Genetics, Univ. Aarhus)
"Understanding the mechanism by which LysM receptors can control both immune and symbiosis signalling in plants"
- 10:45 – 11:20 *Break*

Chair: **Ulrike Zentgraf**

- 11:20 – 11:55 **Sophien Kamoun** (The Sainsbury Laboratory, Norwich)
"Making sense of the NLR alphabet soup"
- 11:55 – 12:20 **Chang Liu** (Institute of Biology, University of Hohenheim)
"Mechanistic insights into how plants modulate three-dimensional chromatin organization"
- 12:20 – 12:50 **Siobhan Brady** (College of Biological Sciences, University of California)
"Environmental integration with root cell type development."

End of the symposium - Farewell