

Detailed Programme

Programme – October 2, 2019

Arrival and lunch 12:45 – 13:45

Opening remarks 13:45 – 14:00

Session 1: Evolution of development 14:00 – 15:05

Chair: Elizabeta Banic

- **Keynote: Edwige Moyroud, SLCU Cambridge, UK** 14:00 – 14:35
“Painting by numbers: Understanding the mechanisms of petal patterning”
- **Roisin Fattorini, University of Cambridge, UK** 14:35 – 14:50
“The Evolution and Development of Petal Spots in a South African Daisy Species”
- **Thales Leandro, São Paulo State University, BR** 14:50 – 15:05
“Fusoid cells in the grass leaf (Poaceae): a putative developmental programmed cell death process”

Session 2: Patterning 15:05 – 16:10

Chair: Moutasem Omary

- **Keynote: Ari Pekka Mähönen, University of Helsinki, FI** 15:05 – 15:40
“Position and regulation of stem cells in vascular cambium”
- **Dan Zhang, University of Heidelberg, DE** 15:40 – 15:55
“Deciphering the role of a novel player in grass subsidiary cell development”
- **Kevin Bellande, University of Montpellier, FR** 15:55 – 16:10
“Functional study of a lectin receptor kinase, LecRK-I.9: a control for cell wall dynamics in *A. thaliana*”

Coffee break 16:10 – 16:40

Session 3: Plant signalling I 16:40 – 17:45

Chair: Hannah Walter

- **Keynote: Michael Hothorn, University of Geneva, CH** 16:40 – 17:15
“Mechanistic insights into small molecule and peptide hormone perception by plant membrane receptor kinases”
- **Ana Lopez Vazquez, University of Lausanne, CH** 17:15 – 17:30
“Molecular Determinants of Phytochrome Kinase”
- **Ajeet Chaudhary, TUM, DE** 17:30 – 17:45

“The receptor kinase STRUBBELIG promotes the response to cellulose deficiency in Arabidopsis thaliana”

Session 4: Career development and industry **17:45 – 18:00**

Chair: Angela Hay

- **Stefan Schwarz, KWS Saat Ag, Einbeck, DE** 17:45 – 18:00
“Seeding the future with KWS - Career opportunities at a leading plant breeding company”

Dinner 18:30 – 19:30

Poster session 1: Odd number posters **19:30 – 21:30**

(Drinks can be purchased during the poster session)

Program – October 3, 2019

Breakfast 08:00 – 09:00

Session 5: Flowering and dispersal **09:10 – 10:15**

Chair: Luise Zuehl

- **Keynote: Naomi Nakayama, Edinburgh University, UK** 09:10 – 09:45
“Informed dispersal? Environmental responses of seeds, fruits, and diaspores”
- **Miguel Perez, MPIPZ, Cologne, DE** 09:45 – 10:00
“Mechanism of localized lignin deposition in explosive fruit”
- **Francesca Giaume, University of Milan, IT** 10:00 – 10:15
“A Triple Florigen System in Rice acts in leaves and at the shoot apical meristem”

Coffee break 10:15 – 10:45

Session 6: Mechanics and morphogenesis **10:45 – 11:50**

Chair: Rachele Tofanelli

- **Keynote: Arun Sampathkumar, MPIMP, Golm, DE** 10:45 – 11:20
“Mechanical forces in the regulation of cell and tissue level morphogenesis in plants”
- **Martha Thellmann, University of Zürich, CH** 11:20 – 11:35
“Understanding lateral root formation in Arabidopsis”
- **Methawi Chomthong, University of Cambridge, UK** 11:35 – 11:50
“Revisiting stomatal mechanics: Towards an improved definition of stomatal sensitivity”

Lunch 12:00 – 13:00

Session 7: Root meristem 13:10 – 14:15

Chair: Francesca Lopez

- **Keynote: Sabrina Sabatini, Sapienza University Rome, IT** 13:10 – 13:45
“The dynamics of root growth”
- **Shanda Liu, MPIPZ, Cologne, DE** 13:45 – 14:00
“A growth-dependent framework for Arabidopsis root zonation”
- **Gaia Bertolotti, Sapienza University Rome, IT** 14:00 – 14:15
“A PHABULOSA/Cytokinin circuit controls root cortical patterning variability”

Session 8: Cell biology 14:15 – 15:20

Chair: Oscar Sanz Mora

- **Keynote: Niko Geldner, University of Lausanne, CH** 14:15 – 14:50
“The SCHENGEN pathway: How plants ensure functionality of their protective barriers”
- **Joris Jourquin, VIB, Ghent, BE** 14:50 – 15:05
“Identifying the transcriptional targets of GLV peptide signaling during lateral root initiation”
- **Martina Balboni, University of Hamburg, DE** 15:05 – 15:20
“ASY1 recruitment to and release from the meiotic chromosome axis is controlled by P31^{COMET}”

Coffee break 15:20 – 15:50

Session 9: Plant signalling II 15:50 – 16:55

Chair: Yunjing Ma

- **Keynote: Marie-Cécile Caillaud, RDP, Lyon, FR** 15:50 – 16:25
“Membrane Lipid and Cytoskeleton Interplay at the Cortex of Dividing Plant Cell”
- **Andreas Schenke, Leibniz Institute, Halle, DE** 16:25 – 16:40
“Specificities of jasmonate signalling in Arabidopsis thaliana”
- **Khushbu Kumari, University of Würzburg, DE** 16:40 – 16:55
“Female gametophyte expressed Arabidopsis lipid transfer proteins LTP2/5 provide an unprecedented link between callose homeostasis, pollen tube guidance and fertilization success”

Poster session 2 17:00 – 18:30

(Snacks are provided, drinks can be purchased during the poster session)

Wine tasting and dinner in Würzburg 18:45 – 23:00

Program – October 4, 2019

Breakfast 08:00 – 09:00

Session 10: Reproductive development 09:10 – 10:15

Chair: Ana Alarcia-Garcia

- **Keynote: Cristina Ferrándiz, University of Valencia ES** 09:10 – 09:45
“A stylish story of carpel evolution”
- **Heather McLaughlin, John Innes Center, UK** 09:45 – 10:00
“Investigating crosstalk between the canonical and ETT-mediated auxin signalling pathways in the Arabidopsis thaliana gynoeceum”
- **Wei Wen Chong, University of Zürich, DE** 10:00 – 10:15
“Unravelling the imprinting mechanism of MEDEA by identifying cis-elements and trans-acting factors”

COFFEE BREAK 10:15 – 10:45

Session 11: Lateral root development 10:45 – 11:50

Chair: Liam German

- **Keynote: Alexis Maizel, University of Heidelberg, DE** 10:45 – 11:20
“Lateral root morphogenesis in Arabidopsis: from metabolism to cytoskeleton”
- **Stefania Morales, VIB, Ghent, BE** 11:20 – 11:35
“Trehalose 6-Phosphate, SnRK1 and TOR are part of a regulatory network to create a strategy to tolerate water-limiting conditions”
- **Annika Kortz, University of Bonn, DE** 11:35 – 11:50
“Uncovering the transcriptomic control of heterosis manifestation during lateral root initiation in maize”

Awards and closing remarks 11:50 – 12:00

Lunch 12:00 – 13:00

Departure 13:00