Monday October 2nd

8:00-9:45 Registration
9:45-10:00 Opening remarks

Session: REPRODUCTION  Chair: Stefanie SPRUNCK

10:00-10:30 Tetsuya HIGASHIYAMA. Imaging Approaches for Peptide Signaling in Pollen Tube Guidance

10:30-10:45 Daphne GORING. Arabidopsis LRR VIII-2 Receptor-Like Kinases regulate intra- and inter-species pollen-pistil interactions.

10:45-11:00 Leon KUTZNER. From a Proteomic Dataset to Characterization of a Novel Plant Peptide

11:00-11:15 Patricia SEITZ. The Pollen Tube Highway – Functional characterization of novel CRPs during fertilization in Zea mays

Session: IMMUNITY 1  Chair: Stefanie RANF

11:15-11:30 Lin-Jie SHU. Capturing 3-hydroxy fatty acid: Characterization of the immune receptor LORE in Brassicaceae

11:30-11:45 Jakub RZEMIENIEWSKI. CEP signaling coordinates cell surface immunity with nitrogen limitation

11:45-12:00 Flash talks, 90 seconds each

12:00-13:45 Lunch

13:45-14:15 Jack RHODES. Phytocytokine signalling at the plant-environment interface

14:15-14:30 Xu WANG. Characterization of a small family of systemin-like peptides in Solanum lycopersicum

14:30-14:45 Lei WANG. CLE peptide signaling regulates induced volatile emissions in maize

14:45-15:00 Francisco Manuel GORDILLO CANTON. Evolution of SERK-mediated specificity in plant development and immunity

15:00-15h15 Maurice KÖNIG. From an ancestral viral infection of Zea to the release of Zip1 – a maize specific phytocytokine

15h15-15:30 Markus DRAEGER. Growing Strong or Fighting Back: One MAPK Kinase Kinase to Balance It All

15:30-16:00 Coffee break

Session: IMMUNITY 2  Chair: Yan MA

16:00-16:30 Christine FAULKNER. Immune receptor signaling at plasmodesmata: similar but different

16:30-16:45 Julian MAROSCHEK. MIK2 RLKs generally act as Fusarium elicitor receptors in diverse plant families
16:45-17:00  Louis-Philippe MAIER. Peptides derived from insect egg-shells are perceived as signals of imminent herbivore attack

17:00-17h15  Vahid FALLAHZADEH. The Arabidopsis TNL CONSTITUTIVE SHADE AVOIDANCE 1 (CSA1) reveals activation of PTI and ETI responses downstream of the pattern recognition co-receptor BAK1

17:15-17:30  Keran ZHAI. The receptor kinase MIK2 links cell wall integrity sensing to pattern-triggered immunity

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17:30-20:00  Poster session 1 with Dinatory Cocktail — Odd numbers

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**Tuesday October 3rd**

**Session: ABIOTIC INTERACTIONS    Chair: Santosh SATBHAI**

9:00-9:30  Yoshikatsu MATSUBAYASHI. Plant adaptation to fluctuating nitrogen environments by long-range mobile peptide signals

9:30-9:45  Rebecca JOHN. (Receptor) Kinase signaling modules involved in regulation of nitrate transporters

9:45-10:00  Peter DOERNER. The RGF1-PLT2 regulatory network maintains primary root meristem activity in low phosphate environments.

10:00-10:15  Iván HERRERO GARCÍÁ. Deciphering the mechanism for brassinosteroid receptor kinase protein BRL3 in plant adaption to drought stress

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**Session: Symbiosis    Chair: Franck MENKE**

10:15-10:30  Lea PEDINOTTI. Functional study of CLE peptides regulating arbuscular mycorrhizal symbiosis

10:30-10:45  Flash talks 90 seconds each

10:45-12:30  Poster session 2 with coffee – Even numbers

12:30-14:00  Lunch

14:00-14:30  Clare GOUGH. Medicago truncatula SOBIR1 controls specificity in the Rhizobium-legume symbiosis

14:30-14:45  Katarzyna PARYS. Genetic and functional diversity of Lotus malectin-like domain leucine-rich repeat receptor kinases in root endosymbiosis

14:45-15:00  Juliette TEYSSENDIER DE LA SERVE. Signaling peptides regulating root endosymbioses in the model legume Medicago truncatula

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**Session: Development 1    Chair: Zach NIMCHUK**

15:00-15:15  Kaltra XHELILAJ. Towards an atlas of REMORIN-nanodomains associated functions

15:15-15:30  Jingyi HAN. Balancing cell proliferation and differentiation in the vascular cambium

15:30-15:45  Liam ELLIOTT. A self-regulatory receptor module involved in edge-based control of plant growth
15:45-19:00  Free time
19:00-23:00  Gala dinner

**Wednesday October 4th**

9:00-9:30  Jaimie VAN NORMAN. Which side are you on? Linking polarized receptor kinases to root cell division control

9:30-10:45  Alberto CAREGNATO. Molecular basis for differential CIF peptide sensing by the receptor kinase GSO1 and GSO2/SGN3

9:45-10:00  Irene GUZMÁN-BENITO. Uncovering the role of PBLs in signalling specificity in the endodermis

10:00-10:15  David MOLINA. The SCHENGEN Pathway Orchestrates the Protective Barrier of the Periderm

10:15-10:30  Penelope LINDSAY. Regulation of maize ear development by a CLAVATA-related receptor complex

10:30-11:00  Coffee break

**Session: Development 2  Chair: Christine MIEGE**

11:00-11:30  Melinka BUTENKO. The IDA signaling pathway: cell separation and biotic stress responses

11:30-11:45  Zengxiang GE. Mutual regulation of canalization by CLE peptides and auxin in Arabidopsis

11:45-12:00  Esther IZQUIERDO ALEGRE. Role of hormone peptides in the systemic regulation of white lupin cluster roots development

12:00-12:15  Nelson SERRE. Dynamic remodeling of the anionic lipid landscape by RALF peptides

12:15-12:30  Rebecca BURKART. Optogenetic approach to study stem cell fate regulation via Calcium-fluxes within the root of Arabidopsis thaliana

12:30-13:00  Closing remarks
Poster and talk prizes