SwissPlant Symposium 2019
30 January – 1 February 2019, Meiringen, Switzerland

Program

Wednesday, 30 January 2019

16h00  Swiss Plant Science Web strategic meeting for SPSW members
17h00  Welcome drink
17h30  Welcome by Thomas Boller, SPSW chair
17h35  Opening remarks by the organizing committee

Session I, DNA Remodeling
17h40  Sylvain Bischof, U Zurich: Epigenetic regulation of gene expression
18h00  Kirsten Bomblies, John Innes Centre, UK: How to tango with four: Meiotic adaptation to whole genome duplication
18h00  Emmanuel Boutet, SIB: Enhanced plant enzyme annotation in UniProtKB supports integrated analyses and exploitation of protein and metabolite data
18h40  Dinner

Session II, Physiology
20h00  Barbara Pfister, ETH Zurich: Towards a holistic understanding of starch biosynthesis
20h20  Felix Kessler, U Neuchâtel: Role for DELLA in early chloroplast biogenesis
20h40  Michael Hothorn, U Geneva: Inositol pyrophosphate signaling networks – phosphate homeostasis and beyond
21h00  Tonni Grube Andersen, U Lausanne: Understanding cell-specific nutrient uptake and biotic Interactions in roots
21h20  Get-together at the hotel bar

Thursday, 31 January 2019

07h00  Breakfast begins

Session III, Pathogens/Immunology
08h00  Cyril Zipfel, U Zurich: The kinase BIK1 orchestrates ion movements across the plasma membrane during plant immunity
08h20  Klaus Schlöppi, U Bern: Plant root microbiome interactions: Communication, traits and opportunities for smart farming
08h40  Andrea Sánchez-Vallet, ETH Zurich: Host specialization in fungal pathogens
09h00  Ora Hazak, U Fribourg: Discovering new signaling pathways in plant adaptation to changing environment
09h20  Edward Farmer, U Lausanne: Long-distance electrical signals in Arabidopsis leaves
09h40  Coffee break

https://swissplantscienceweb.unibas.ch/en/events/swissplant/
Session IV, Ecology/Evolution 1
10h10 Anna-Liisa Laine, U Zurich: *The role of pathogens in driving host evolution and population dynamics in the wild*
10h30 Christian Parisod, U Bern: *Impact of variation in nucleotides and transposable elements on linkage along chromosomes in natural populations of Arabis alpina (Brassicaceae)*
10h50 Sergio Rasmann, U Neuchâtel: *Micro- and macro-evolutionary trends in plant-herbivore-predator interaction along environmental gradients*
11h10 Felix Gugerli, WSL: *Environmental association analysis based on exome capture indicates candidate genes for adaptation to local site conditions in Pinus cembra*
11h30 Meredith Schuman, U Zurich: *Towards remote sensing of intraspecific variation*

11h50 Leisure time (lunch on your own, skiing, hiking, snowshoeing…)
17h00 Poster session (with apéro)
18h30 Dinner

Session V, Pathogens/Immunology 2
20h20 Matthias Erb, U Bern: *Specialized metabolites – a curse and a blessing for plants*
20h40 Ted Turlings, U Neuchâtel: *Insects may manipulate the release of plant volatiles to enhance the suitability of neighboring plants as host for their offspring*
21h00 Laurent Zimmerli, National Taiwan U: *FLAGELLIN SENSING2-ASSOCIATED KINASE1 regulates Arabidopsis abscisic acid-dependent stomatal immunity*

**Friday, 1 February 2019**

07h00 *Breakfast begins*

Session VI, Ecology/Evolution 2
08h00 Verena Schuenemann, U Zurich: *Integrating ancient DNA into plant genomics*
08h20 Simon Aeschbacher, U Zurich: *Exploring speciation history through the joint inference of selection and gene flow*
08h40 Yamama Naciri, U Geneva & CJB: *Species delimitation in Capurodendron Aubrèv. (Sapotaceae) using an integrative approach: patterns of diversification in an endemic genus of Madagascar*
09h00 John Pannell, U Lausanne: *Rapid breakdown of dioecy by experimental evolution*
09h20 Kentaro Shimizu, U Zurich: *Advantages and disadvantages of polyploidy, revisited*
09h40 *Coffee break*

Session VII, Development
10h10 Luis Lopez-Molina, U Geneva: *The role of the endosperm in Arabidopsis early post-embryonic development*
10h30 Joop Vermeer, U Zurich: *Cytoskeleton dynamics shape lateral root formation in Arabidopsis*
10h50 Antia Rodriguez-Villalon, ETH Zurich: *Xylem differentiation and vacuolar loading: an intertwined road*
11h10 Vinicius Costa Galvão, U Lausanne: *PIF transcription factors link a neighbor threat cue to accelerated reproduction in Arabidopsis*
11h30 Clara Sánchez-Rodriguez, ETH Zurich: *A Golgi-localized glycosyltransferase mediates the response of plant cells to cellulose perturbations*
11h50 Closing remarks