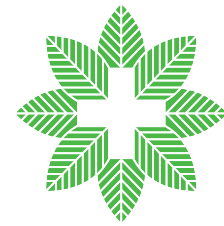


SwissPlant Symposium 2020

29–31 January 2020, Ovronnaz, Switzerland



www.spsw.ch

Program

Wednesday, 29 January 2020

- 15h30 *Swiss Plant Science Web strategic meeting for SPSW members*
- 16h45 *Welcome drink*
- 17h10 Welcome by Thomas Boller, SPSW chair
- 17h15 Opening remarks by the program committee
- Session I, chair: Heinz Müller-Schärer
- 17h20 **Markus Geisler**, U Fribourg: *A conserved D/E-P motif defines the auxin transport capacity of ABCB-type auxin transporters*
- 17h40 **Sebastian Soyk**, U Lausanne: *Cryptic genetic variation with impact on crop productivity*
- 18h00 **Christian Parisod**, U Bern: *Allopolyploid radiation despite eco-genetic additivity of diploids*
- 18h40 *Dinner*
- Session II, chair: Markus Geisler
- 20h20 **Michael Hothorn**, U Geneva: *Investigating inorganic polyphosphate metabolism in plants – how to get yourself in and out of trouble*
- 20h40 **Kentaro Shimizu**, U Zurich: *Machine learning of transcriptome data in natura: drought as a trigger for flowering in aseasonal tropics*
- 21h00 **Christiane Nawrath**, U Lausanne: *The role of AtABCG32 transporters in cutin formation*
- 21h20 **Felix Kessler**, U Neuchâtel: *Proton Gradient Regulation 6 (PGR6) maintains plastoquinone levels in the photosynthetic electron transport chain*
- 21h40 *Get-together at the hotel bar*

Thursday, 30 January 2020

- 07h00 *Breakfast begins*
- Session III, chair: Ora Hazak
- 08h00 **Heinz Müller-Schärer**, U Fribourg: *How to better predict long-term benefits and risks in weed biocontrol: an evolutionary perspective*
- 08h20 **Yan Sun**, U Fribourg: *Rapid evolution of a plant invader in response to biological control and global warming*
- 08h40 **Tomczynska Iga**, U Fribourg: *A pathogen effector protein promotes symplastic cell-to-cell trafficking by physical interaction with plasmodesmata-localized callose synthases*
- 09h00 **Elisabeth Truernit**, ETH Zurich: *An update on the role of OCTOPUS-LIKE genes in root development*
- 09h20 **Niko Geldner**, U Lausanne: *Root damage and immune responses at cellular resolution*
- 09h40 *Coffee break*

- Session IV, chair: Laurent Mène-Saffrané
- 10h10 **Daniel Croll**, U Neuchâtel: *Parasites within parasites: selfish elements as drivers of interactions between pathogens and plants*
- 10h30 **Emilie Demarsy**, U Geneva: *A bi-phasic model of chloroplast biogenesis during de-etiolation of Arabidopsis thaliana*
- 10h50 **Christian Fankhauser**, U Lausanne: *Reaching out for the sun: dealing with the threat of carbon deprivation*
- 11h10 **Pauline Jullien**, U Bern: *Arabidopsis ARGONAUTE3 function upon induction by the bacterial virulence factor SyringolinA*
- 11h30 **Stefan Grob**, U Zurich: *Transgene Silencing in 3D – How a Chromosomal KNOT Can Inactivate Foreign DNA Elements*
- 11h50 *Leisure time (lunch on your own, spa visit, skiing, hiking, snowshoeing...)*
- Session V, chair: Felix Mauch
- 17h20 **Cyril Zipfel**, U Zurich: *Regulation of plant immunity by phyto cytokines*
- 17h40 **Spoorthi Kalleda**, U Zurich: *A green toxin; plant's chlorophyll/chlorophyllase-mediated binary defense against chewing herbivores*
- 18h00 **Roman Ulm**, U Geneva: *UV-B photoreceptor signalling and responses*
- 18h20 **Christian Körner**, U Basel: *Plant water relations re-visited*
- 18h40 *Dinner*
- 20h20 *Poster session (drinks will be served)*

Friday, 31 January 2020

- 07h00 *Breakfast begins*
- Session VI, chair: Didier Reinhardt
- 08h00 **Julia Santiago**, U Lausanne: *Structural basis for recognition of RALF peptides by LRX proteins during pollen tube growth*
- 08h20 **Paolo Longoni**, U Neuchâtel: *Role of the major Light Harvesting Complex II under fluctuating light*
- 08h40 **Ricardo Machado**, U Bern: *Engineering bacterial symbionts to resist plant toxins enhances the capacity of their nematode host to control an invasive agricultural insect pest*
- 09h00 **Xavier Perret**, U Geneva: *Lotus corniculatus hosts a surprisingly large diversity of nitrogen-fixing rhizobia in Switzerland*
- 09h20 **Barbara Pfister**, ETH Zurich: *From starch biosynthesis to essential function in chloroplast development – neofunctionalization of Arabidopsis BRANCHING ENZYME1 (BE1)*
- 09h40 *Coffee break*
- Session VII, chair: Laure Weisskopf
- 10h10 **Didier Reinhardt**, U Fribourg: *Nutrient exchange in arbuscular mycorrhiza: Carbon supply from host to fungus*
- 10h30 **Pierre Goloubinoff**, U Lausanne: *Is Hsp70 recruited to re-potentiate heat-depolarized calcium channels in the plasma membrane of plants?*
- 10h50 **Christoph Ringli**, U Zurich: *Analysis of the LRX-RALF-FER signaling network involved in cell growth and cell wall integrity sensing*
- 11h10 **Bruno Studer**, ETH Zurich: *Genomics-based approaches to characterise and efficiently utilize genetic diversity for plant breeding*
- 11h30 **Bernhard Schmid**, U Zurich: *Standing epigenetic variation speeds up plant adaptation*
- 11h50 *Closing remarks*

