



Understanding Plant Phenotypes

Symposium of the Zurich-Basel Plant Science Center

4 November 2011, ETH Zurich, main building, auditorium maximum

Programme

- 08.45-08.50 *Opening remarks by **Bernhard Schmid**, University of Zurich, PSC steering committee member*
- 08.50-10.30 **Session I: Designing New Phenotypes**. Chair: Fred Meins, University of Basel
- 08.50-09.15 **Denis Murphy**, University of Glamorgan, United Kingdom
From gene to plate – the design of new crop phenotypes in an era of food insecurity and climate change
- 09.15-09.40 **Graham Bell**, McGill University, Canada
The multifarious outcomes of uniform natural selection
- 09.40-10.05 **Christian Fankhauser**, University of Lausanne, Switzerland
The PIF bHLH transcription factors modulate changes in plant architecture induced by light quality and temperature
- 10.05-10.30 **Kentaro Shimizu**, University of Zurich, Switzerland
Sexual reproduction and phenotypic plasticity of Arabidopsis relatives in changing environments
- 10.30-11.00 *Coffee and poster session*
- 11.00-12.30 **Session II: New Approaches in Phenotyping**. Chair: Achim Walter, ETH Zurich
- 11.00-11.30 **Ulrich Schurr**, Forschungszentrum Jülich, Germany
Phenotyping science and technology: overcoming the bottleneck through integrated approaches
- 11.30-12.00 **Wilhelm Gruitens**, Swiss Federal Institute of Technology Zurich, Switzerland
Integrating leaf growth and circadian regulation – a systems approach
- 12.00-12.30 **Christian Wirth**, University of Leipzig, Germany
Turning noise into signal – strategies for assembling and analysing phenotypic plant information
- 12.30-14.30 *Lunch and poster session*
- 14.30-16.00 **Session III: Phenotypic Distribution in Communities**. Chair: Bernhard Schmid, University of Zurich
- 14.30-15.00 **Eric Garnier**, Centre National de la Recherche Scientifique, Montpellier, France
Traits in communities, traits of communities: towards a phenotypic concept of plant communities
- 15.00-15.30 **Jonathan Levine**, Swiss Federal Institute of Technology Zurich, Switzerland
Effects of competition on the phylogenetic and phenotypic structure of communities
- 15.30-16.00 **Peter Linder**, University of Zurich, Switzerland
Do functional correlations between phenotypes and environment control the spatial distribution of Restionaceae phenotypes in the Cape flora?
- 16.00-16.15 **Poster awards and concluding remarks by Ueli Grossniklaus**, University of Zurich, chair PSC
- 16.15-17.00 *Apéro and poster session*

Program and online poster registration: http://www.plantsciences.ch/psc_events/Symposia
Poster abstract submission deadline is 18 September 2011.
Admission is free of charge.

Organizing Committee: Fred Meins (University of Basel), Bernhard Schmid (University of Zurich), Achim Walter (ETH Zurich), Sylvia Martínez (Zurich-Basel Plant Science Center).