

Plant Systems Biology - From Cells to Communities
17 December 2004, 8.45 am – 17.30 pm
PSC-Symposium

Final Program

08.45 – 08.50 Opening by **Diana Soldo**, Zurich-Basel Plant Science Center

08.50 – 09.05 Introduction by **Bernhard Schmid**, University of Zurich

09.05 – 10.45 Session I: Cells: **Gene expression networks and their statistical analysis**

Rodrigo Gutierrez (New York University)

Nitrogen networks in plants: Regulation of N and C metabolic pathways in response to external signals and metabolites

Matthias Peter (ETH Zurich)

Functional networks in yeast

Sacha Baginsky (ETH Zurich)

Functional Proteomics: Towards a system view of plastid differentiation and functions

Anja Wille (ETH Zurich)

Sparse graphical Gaussian modeling of the isoprenoid gene network in *Arabidopsis thaliana*

10.45 – 11.10 Coffee

11.10 – 12.25 Session II: **Organisms: phenotypic integration and correlated evolution, bioinformatics in systematics**

Massimo Pigliucci (State University of New York)

Lost in phenotypic space: why do living organisms look the way they do?

Stephen Goff (Syngenta North Carolina)

Hybrid Vigor, how expression profiling can help explain a complex interaction between genes and the environment

Elena Conti (University of Zurich)

Primula: an ideal model genus for an integrative phylogenetic research program

12.25 – 14.30 Lunch and Poster Session

14.30 – 15.45 Session III: **Communities: interaction networks within and among trophic levels**

Silke Robatzek (University of Basel)

Green Light on the Flagellin-Sensing Receptor FLS2, a major player of Innate Immunity

Peter Stoll (University of Basel)

Interactions among trees in a lowland Bornean rain forest: evidence of species-specific effects

Christine Müller (University of Zurich)

Effects of hidden microbes on herbivore-parasitoid food webs

15.45 – 16.00 Poster Awards

16.00 – 16.10 Concluding remarks by **Wilhelm Grissem** (ETH Zurich)

16.10 – 17.30 Apéro and Poster Session

Auditorium Maximum, ETH Zurich

Free of charges

No registration needed for participation