



Annual CRC & DRS PhD Pre-Christmas - Meeting 2014

Berlin, 08.12.2014

Zuse-Institut Berlin (ZIB), Takustraße 7, 14195 Berlin

Session 1 13.00 – 14.10 Talks

- 13:10- 13:22 **T1 Vivien Firtzlaff** (AG Hilker)
Priming of defense against herbivores feeding upon *Arabidopsis thaliana*
- 13:22- 13:34 **T2 Tiziana Guerra** (AG Romeis)
How plants strike back: immune signalling in *Arabidopsis thaliana*
- 13:34- 13:46 **T3 Sören Werner** (AG Schmülling)
Involvement of cytokinin in the regulation of shoot organ growth and development
- 13:46- 13:58 **T4 Sieke Schaepe** (AG Romeis)
CDPKs in priming in response to low temperature in *Arabidopsis thaliana*
- 13:58- 14:10 **T5 Ute Trauer-Kizilelma** (AG Hilker)
Transgenerational immune priming effects in *Manduca sexta* are dependent on the offspring developmental stage

Session 2 14.10 – 16.00 Poster

Including coffee break

- 15:30- 16:00 **Prof. Tina Romeis**
Time for general information and questions concerning the graduate schools



P1 Krzysztof Brzezinka (AG Bäurle)

BRU1 complex functions in chromatin dynamics and regulates thermomemory

P2 Jelena Cvetkovic (AG Baier)

Influence of long-term cold priming on the chloroplast antioxidant system and memory development in *Arabidopsis thaliana* accessions

P3 Navina Drechsler (AG Kunze)

The NPF family member AtNPF7.3/AtNRT1.5 is a major contributor to shoot potassium homeostasis

P4 Sylvia Drok (AG Steppuhn)

Does egg deposition alter the volatile emission of *Nicotiana attenuata* in response to herbivore feeding?

P5 Rana Emad (AG Werner)

Identification and Characterization of Suppressors of *rock1*

P6 Daniel Geuss (AG Steppuhn)

Direct defence responses in *Solanum dulcamara* after insect egg deposition

P7 Benjamin Göde (AG Romeis)

Revealing the specificity of CPK5 towards different RBOHD phosphosites

P8 Maja Grubisic*, Franz Hölker, Michael T. Monaghan, Maria Cristina Bruno, Guido Zolezzi
*Freie Universität Berlin & Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB)
Müggelseedamm 310 Berlin, Germany

Are freshwater primary producers influenced by artificial light?

P9 Katharina Hake (AG Romeis)

Function of CPK28 as a regulator of phytohormone-mediated growth processes

P10 Mhyeddeen Halawa (AG Heyl)

New insights into the evolution of cytokinin receptors

P11 Dinesh Kafle (AG Wurst)

Host plant genotype matters for interactions with above- and belowground herbivores

P12 Aneth Sarmiento (AG Baier)

Antioxidant System in Tropical Plants

P13 Sara Shahnejat & Saghar Ebrahimian (AG Müller-Röber)

Identification and characterization of thermomemory-transcriptional regulators

P14 Anna Stief (AG Bäurle)

Regulation of environmental stress memory through the AGO1-miR156-SPL module

P15 Yue Zheng (AG Kunze)

The interplay of NPF7.3/NRT1.5 and SKOR in K⁺ root-to-shoot translocation in *Arabidopsis*

P16 Alessandro Manfrin, Monaghan M.T., Weiss N., Weiss N. S., Wohlfahrt S., Larsen S., Singer G.,
Hoelker F. (IGB)

Does artificial light affect aquatic and terrestrial insect communities?

P 17 Tianqi Guo (AG Werner)

Characterization of CKX-interacting HIPP proteins

P 18 Daniela Pezzetta (AG Schmülling)

Cytokinin influences seed germination in *Arabidopsis thaliana*



Session 3 16.00 – 17.00 Talks

16:00- 16:12 **T6 Benjamin Wellner** (AG Witte)

Unravelling the cytosolic part of GMP breakdown in *Arabidopsis thaliana*

16:12- 16:24 **T7 Sylvia Bolt** (AG Schmülling)

CIE is a novel transcription factor of *Arabidopsis thaliana* required for cold acclimation

16:24- 16:36 **T8 Till Myrach** (AG Witte)

Growth on urea? Yes, UCAHn

16:36- 16:48 **T9 Marco Cosme** (AG Wurst)

The root endophyte *Piriformospora indica* reduces the impact of root herbivory by *Lissorhoptrus oryzophilus* on rice plants

16:48- 17:00 **T10 Michele Bandoly** (AG Steppuhn, Hilker)

Insect egg deposition primes plant defense against larvae

17.30 – open end **Dinner, Awards, Christmas-Party**

