

Annual PhD meeting of the Dahlem Research School program „Plant Sciences“

Berlin, September 25, 2012
Institute of Biology, Plant Physiology

Session 1

- 9:00 – 9:10 **Marco Cosme, Roman Lassig, Sören Werner and Michèle Bandoly**
Introduction
- 9:10 – 9:30 **Ute Trauer**
The effects of a parental immune challenge of *Manduca sexta* on offspring immunity
- 9:30 – 09:50 **Nadine Austel**
Phenotypic plasticity in *Phratora vulgatissima*: The willow food plant affects beetle odour and beetle orientation to host plant cues
- 09:50 – 10:10 **Michèle Bandoly**
Egg deposition by tobacco hornworm on *Nicotiana attenuata* primes direct defense against hornworm larvae
- 10:10 – 10:30 **Conrad Schittko**
Using a multi-trait approach to manipulate functional diversity in a biodiversity-ecosystem function experiment
- 10:30 – 11:00 *Coffee break & Poster Session*

Session 2

- 11:00 – 11:20 **Anika Lehmann**
Mycorrhizal responsiveness trends in annual crop plants and their wild relatives- A meta-analysis on studies from 1981 to 2010
- 11:20 – 11:40 **Sebastian Horn**
Spatial and environmental determinants of arbuscular mycorrhizal fungal communities and their associated plant communities in a semi-arid grassland

11:40 – 12:00 **Marco Cosme**
Interactions between arbuscular mycorrhizal fungi, rhizobacteria, soil phosphorus and plant cytokinin deficiency change the root morphology, yield and quality of tobacco

12:00 – 13:30 ***Lunch break & Poster Session***

Session 3

13:30 – 13:50 **Anting Zhu**
Characterization of cytosolic 5'-nucleotidase III of *Arabidopsis thaliana*

13:50 – 14:10 **Oliver Hauck**
The *Arabidopsis* uricase mutant and its usefulness in elucidating purine nucleotide degradation

14:10 – 14:30 **Jote Bulcha**
ERF1b transcription factor

14:30 – 14:50 **Nicola Pitsch**
Chloroplast APx isoforms in *Arabidopsis thaliana* and *Physcomitrella patens*

14:50 – 15:10 **Iona Juszczak**
The strength of the miR398-Csd2-CCS1 regulon is subject to natural variation in *Arabidopsis thaliana*

15:10 – 15:40 ***Coffee break & Poster Session***

Session 4

15:40 – 16:00 **Nijuscha Gruhn**
Cytokinin signaling in *Physcomitrella patens*

16:00 – 16:20 **Silvia Nitschke**
Cytokinin plays a protective role under circadian stress

Barbecue... open end

