

Annual PhD student meeting of the Dahlem Research School program „Molecular Plant Science“

Berlin, 16.11.2011

Institut für Biologie, Biochemie und Physiologie der Pflanze
Raum

Session 1 9.00 – 11.00

9.00 – 9.18 Nicola Pitsch (AG Baier)

Expressional analysis of a *Physcomitrella patens* chloroplast APx isoform in the context of evolution

9.20 – 9.32 Benjamin Witsch (AG Baier)

Functional comparison of evolutionary gene variants of chloroplast Ascorbate Peroxidases

9.35 – 9.53 Susanne Matschi (AG Romeis)

The *Arabidopsis thaliana* protein kinase CPK28 is an essential component of plant shoot elongation

9.55 – 10.07 Anja Liese (AG Romeis)

CPK23 a calcium dependent kinase?

10.10 – 10.28 Michael Niemann (AG Werner)

Does the putative transporter ROCK1 influence the subcellular cytokinin distribution ?

10.30 – 10.42 Nijuscha Gruhn (AG Heyl)

Cytokinin - land or general plant hormone?

10.45 – 10.57 Oliver Hauck (AG Witte)

Plant's gout: Defective purine degradation at the level of uric acid reduces germination rate and inhibits seedling establishment in *Arabidopsis*

Coffee break 11.00 – 11.15

Session 2 11.15 – 12.55

11.15 – 11.27 Till Myrach (AG Witte)

Characterisation of the urease activation complex in *Arabidopsis thaliana*

11.30 – 11.42 Benjamin Wellner (AG Witte)

Activating urease - the role of the urease accessory protein G, a multifunctional, intrinsically disordered enzyme?

11.45 – 12.03 Ilona Juszczak (AG Baier)

Natural variation in the chloroplast antioxidant system among *Arabidopsis thaliana* accessions

12.05 – 12.23 Silvia Nitschke (AG Schmülling)

A novel function for cytokinin: protection during light stress

12.25 – 12.37 My-Linh Du (AG Kunze)

Development of novel reporter systems for *Ac* transposase activity

12.40 – 12.52 Zhen Xing Wang (AG Kunze)

Optimization of *Ac* transposase expression in *Arabidopsis* and identifying excision efficiencies of four meganucleases in *Arabidopsis*

Lunch Break 12.55 – 14.00

14.00 – 14.30 Time for general informations and questions concerning the DRS, with Diana Mutz

Session 3 14.30 – 16.40

14.30 – 14.48 Roman Lassig (AG Romeis)

Functional interplay between ROS and Ca²⁺ signaling pathways in polar cell growth of *Arabidopsis*

14.50 – 15.02 Heike Seybold (AG Romeis)

CDPK-mediated regulation of NADPH oxidases in plant stress responses

15.05 – 15.23 Elisabeth Otto (AG Schmülling)

Modulation of the cytokinin status in the shoot apical meristem of *Arabidopsis thaliana*

15.25 – 15.37 Tanja Rublack (AG Schmülling)

Role of cytokinin on lateral root development.

15.40 – 15.52 Myheddin Halawa (AG Heyl)

Biochemical characterization of cytokinin receptors across plant species

15.55 – 16.07 Jote Tafese (AG Baier)

Identification and characterization of ERF1b transcription factor binding motif

16.10 – 16.22 Wei Guo (AG Baier)
Identification of 2CPA transcription regulators

16.25 – 16.37 Kathleen Dahncke (AG Witte)
Identification and characterisation of a Guanosine Deaminase in *Arabidopsis thaliana*

Coffe Break **16.40 – 17.10** (Pizzabestellung!!)

Session 4 **17.10 – 19.00**

17.10 – 17.28 Andreas Pfeifer (AG Heyl)
LSH3, a novel regulator of cytokinin signaling in *Arabidopsis thaliana*

17.30 – 17.42 Anna Börger (AG Baier)
Light-responsive promoter elements in *Arabidopsis thaliana*

17.45 – 17.57 Radek Rudnik (AG Baier)
The function of ERF1b transcription factors in the regulation of the chloroplast antioxidant system

18.00 – 18.12 Sylvia Bolt (AG Schmülling)
Characterization of cytokinin regulated ERF-transcription factors in *Arabidopsis thaliana*

18.15 – 18.27 Sören Werner (AG Schmülling)
Influence of cytokinin on the shoot apical meristem

18.30 – 18.42 Wenguo Cai (AG Baier)
Expressional regulation of chloroplast ascorbate peroxidase

18.45 – 18.57 Eva Hellmann (AG Heyl)
The characterization of the Response Regulator ARR14

19.00 Dinner