

**Programm zum
XVII. Berliner Botanischen Graduierten- Kolloquium
„ Havel- Spree-Kolloquium“**

Freitag, der 08. Dezember 2006

Tagungsort/ Place:

Max- Planck-Institut für Molekulare Pflanzenphysiologie (MPIMP)

Wissenschaftspark Golm

Am Mühlenberg 1

14476 Potsdam – Golm

Anreiseinformation/ Travel information: letzte Seite/ last page*

Zentralgebäude, großer Hörsaal

Central building, lecture hall

Programm:

09:00 Begrüßung/ Welcoming speech by Prof. Dr. Lothar Willmitzer

Session 1: Signaling and Stress

09:15 Nathalie Frémont, Freie Universität Berlin (AG Riefler)
“*tup5*, a blue light dependent *Arabidopsis* short root mutant”

09:30 Juliane Neupert, MPIMP Golm (AG Bock)
“5’ UTR as posttranscriptional thermoregulator of gene expression in plastids”

09:45 Pawel Gajdanowicz, Universität Potsdam (AG Dreyer)
”How Do Plant Potassium Channels Sense K⁺”

10:00 Phuc Thi Do, MPIMP Golm (AG Hinch)
“Effects of salt and drought stress on polyamine biosynthesis in rice”

10:15 Marina Korn, MPIMP Golm (AG Hinch)
„Heterosis in the frost tolerance of *Arabidopsis thaliana* – crosses”

10:30 Katrin Straßburg, MPIMP Golm (AG Kopka)
“Enhanced metabolome and transcriptome analysis of the temperature stress response of yeast (*Saccharomyces cerevisiae*) using the mass isotopomer ratio profiling technology”

10:45 – 11:05

Kaffeepause/ Coffee break

Session 2: Posttranslational Modification

- 11:05 Christoph Edner, Universität Potsdam (AG Steup)
“Investigating the Role of Glucan Phosphorylation during Starch Granule Breakdown”
- 11:20 Pawel Durek, MPIMP Golm (AG Walther)
„Analysis of phosphorylation sites in their spatial context”
- 11:35 Wolfgang Engelsberger, MPIMP Golm (AG Schulze)
„Phosphorylation in plants in response to nutrient starvation”
- 11:50 Sandra Franz, Freie Universität Berlin (AG Romeis)
„Functional characterisation of the calcium-dependent proteinkinase *AtCPK21*”

Session 3: Carbohydrates

- 12:05 Hongxia He, Humboldt Universität Berlin (AG Kühn)
“Phloem mobility of sucrose transporter mRNAs”
- 12:20 Francis J. F. Lopez, MPIMP Golm (AG Pauly)
“The *Eucalyptus grandis* EGGT47-1 sequence is closely related to the *MUR3* gene of *Arabidopsis thaliana*”

12:35 – 13:35 Mittagspause/ Lunch (with snacks)

Session 4: Cytokinins

- 13:35 Klaas Wulfetange, Freie Universität Berlin (AG Heyl)
“Towards a better understanding of cytokinin perception in *Arabidopsis thaliana*.”
- 13:50 Ullrich Dubiella, Freie Universität Berlin (AG Romeis)
“Characterization of the *Arabidopsis* CDPK gene family: substrate specificity and function in primary metabolism?”
- 14:05 Kerstin Holst, Freie Universität Berlin (AG Werner)
“The role of cytokinin in primary metabolism and in regulation of the source/sink relation in plants”
- 14:20 Eswar Ramireddy, Freie Universität Berlin (AG Heyl)
“Dominant-negative interference with cytokinin signaling in *Arabidopsis thaliana*”
- 14:35 Stefanie Hertel, Humboldt Universität Berlin (AG Boerner)
“Regulation of plastid transcription: *in vivo* analysis of the *rpoB* promoter and cytokinin effects”

Session 5: Genes, Metabolites & Regulation

- 14:50 Reimo Zoschke, Humboldt Universität Berlin (AG Schmitz-Linneweber)
“From cotyledon to mature plant: Arabidopsis plastidial genome copy number, RNA accumulation and transcription”
- 15:05 Claudia Flügel, MPIMP Golm (AG Schöttler)
“Knock-out of the plastid-encoded PetL subunit results in reduced stability and accelerated leaf age-dependent loss of the cytochrome b₆f complex”

15:20 – 15:50 Kaffeepause/ Coffee break

- 15:50 Alexander Betke, Universität Potsdam (AG Lokstein)
“Investigation of Carotenoid “Optically Dark” Excited States by Femtosecond Two-Photon Fluorescence Excitation Spectroscopy”
- 16:05 Sergio Grimbs, MPIMP Golm (AG Walther)
„Parameterized Kinetic Modeling of Metabolic Networks”
- 16:20 Mohammad Reza Siahpoosh, MPIMP Golm (AG Kopka)
“A statistical workflow based on ANOVA for enhancing metabolite fingerprinting in complex biological profiles”
- 16:35 Hendrik Tschoep, MPIMP Golm (AG Stitt)
“High-throughput functional genomics to unravel the molecular basis of Nitrogen Use Efficiency in *Arabidopsis thaliana*”
- 16:50 Aleksandra Skirycz, MPIMP Golm (AG Müller – Röber)
“Characterisation of a transcription factor linked to cell cycle regulation in *Arabidopsis*”
- 17:05 Salma Balazadeh, Universität Potsdam (AG Müller – Röber)
“Molecular and Physiological Analysis of Leaf Senescence in *Arabidopsis thaliana* Accessions”
- 17:20 Silke Koslowsky, MPIMP Golm (AG Zrenner)
“Manipulating Phosphoribosylpyrophosphate Synthase Activity in *Arabidopsis thaliana*.”
- 17:35 – 18:05 Schlusswort/ Final Speaker: Prof. Dr. Ralph Bock

Im Anschluss/ Afterwards:

**Getränke, Snacks & etwas Musik im Zentralgebäude vor dem Hörsaal/
Drinks, snacks & some music at the central building in front of the lecture hall**

- *Travel information:
- from Berlin
 - RE1 to Brandenburg/ Magdeburg until „Potsdam Hbf“

 - from Potsdam Hbf:
 - RB21 to Wustermark or RB20 to Hennigsdorf to “Golm“
 - Bus 605 or X5 to „Golm“
 - Bus 606 or 612 to „Max-Planck-Campus“

 - At Golm train station cross the bridge and follow the way along the field (10min)