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

Freitag, der 16. November 2007

Veranstaltungsort/ Place
Freie Universität Berlin
Institut für Pflanzenpysiologie, Pflanzenbiochemie und Mikrobiologie
Königin-Luise-Straße 12-16
14195 Berlin

Großer Hörsaal

Anfahrt/ Travelinformation*

10:00 Begrüßung/ Welcome speech by Prof. Dr. Tina ROMEIS

Session 1: Stress

10:15 Katrin STRAßBURG, MPIMP Golm (AG Kopka)
Metabolome and transcriptome analysis of the temperature stress response of the model yeast, *Saccharomyces cerevisiae*

10:30 Magdalena MUSIALAK, MPIMP Golm (AG Scheible)
Investigating novel, potential regulators in phosphate stress responses of *Arabidopsis thaliana.*

10:45 Sandra FRANZ, Freie Universität Berlin (AG Romeis)
Atcpk21 function in salt stress response

11:00 Ullrich DUBIELLA, Freie Universität Berlin (AG Romeis)
Function of calcium-dependent protein kinases (CDPK) during the onset of early plant defence responses

11:15-11.45 Kaffeepause/ Coffeebreak

Session 2: Development and Metabolism

11:45 Tilbert KOSMEHL, Freie Universität Berlin (AG Kunze)
Senescence associated members of the *ALA* gene family in *Arabidopsis thaliana*

12:00 Christoph EDNER, Universität Potsdam (AG Steup)
Glucan, water dikinase (GWD) activity enhances breakdown of starch granules by Chloroplastic amylases

12:15 Susanne BEICK, Humbold Universität Berlin, (AG Schmitz-Linneweber)
The pentatricopeptide protein PPR5 is essential for the stability of an unspliced tRNA precursor in maize chloroplasts

12:30 Undine KRÜGEL, Humbold Universität Berlin (AG Kühn)
Transport and sorting of the Solanacean sucrose transporters StSUT1 and LeSUT1 is affected by redoxdependent regulation

12:45 Michael FRITZ, Humbold Universität Berlin, (AG Ehwald)
A cortical pathway of axial water transport in fine branch roots of wetland plants

13:00-14:00 Mittagspause/ Lunch (with snack)

Session 3: Signalling

14:00 Helen BRAUN, Freie Universität Berlin, (AG Schmülling)
Molecular characterisation of repressors of the cytokinin deficiency syndrome

14:15 Hamad SIDDIQUI, Universität Potsdam, (AG Müller-Röber)
A novel gene, *PHL,* regulates senescence in *Arabidopsis thaliana*

14:30 Eswar RAMIREDDY, Freie Universität Berlin, (AG Heyl)
Ectopic expression of the dominant transcriptional silencer gene *ARR1-SRDX* in *Arabidopsis* suppresses pleiotropic cytokinin activities

14:45 Henriette WEBER, Freie Universität Berlin (AG Hellmann)
BPM (BTB/POZ-MATH) protein interactions in *Arabidopsis thaliana*

15:00 Kerstin HOLST, Freie Universität Berlin (AG Werner)
Cytokinin deficiency causes distinct changes of sink and source parameters in the shoot

15:15 Klaas WULFETANGE, Freie Universität Berlin, (AG Heyl)
Towards a better understanding of cytokinin signal perception in *Arabidopsis thaliana*.

15:30-16:00 Kaffeepause/ Coffeebreak

Session 4: Bioinformatics

16:00 Chang Yin, Humbold Universität (AG Boerner)
Isolation and characterization of a phage-type RNA polymerase gene from *Selaginella moellendorfii*

16:15 Justus FUESERS, Technische Universität Berlin (AG Eichler)
Modelling the time- and wavelength resolved fluorescence dynamics in the PBP-Antenna of the phototrophic cyanobacterium *Acaryochloris marina*

16:30 Nima YAZDANBAKHSH, MPIMP Golm (AG Fihsan)
How to avoid digging in the dirt

16:45 Liam CHILDS, MPIMP Golm, (AG Walther)
SNP calling using Arabidopsis genome tiling arrays

17:00 Xiaoling SUN, MPIMP Golm, (AG Weckwerth)
A fundamental relation between biochemical regulation and the covariance structure of highthroughput data

17:15 Karin OLLIGES, Technische Universität Berlin (AG Eichler)
Time and wavelength resolved fluorescence spectroscopy of photoinhibited photosynthetic organisms using a novel multi channel photomultiplier system

Im Anschluss/ Afterwards:

Getränke und Snacks in der Lobby/ Drinks and snacks in the lobby

Anfahrt/ Travelinformation*

S-Bahn:
- S1: Rathaus Steglitz
- then Bus X83 direction: Clayallee or Dahlem Dorf to „Botanischer Garten/ Königin-Luiseplatz“

or

U-Bahn:
- U3: Dahlem Dorf
- then Bus 83 direction: Nahmitzer Damm or Nahariyastraße to „Botanischer Garten/ Königin-Luiseplatz“