



**TECHNISCHE  
UNIVERSITÄT  
DRESDEN**

**Fachrichtung Biologie**

## **8. Mitteldeutsche Pflanzenphysiologie-Tagung**

**22.-23. Januar 2010**

**Drude-Bau, Hörsaal 68, Zellescher Weg 40**

# Program

**Friday 22.1.2010 13.00 – 19.30**

13.00-13.10 Welcome: Jutta Ludwig-Müller (Dresden)

## **Protein function** (Chair Halle):

13.10-13.30 Madlen Schiller (AG Steinebrunner, Dresden): Subcellular localization of *Apyrase 1* in *Arabidopsis thaliana*

13.30-13.50 Jens Bösgen (AG Mittag, Jena): Analysis of Flagellar Phosphoproteins from *Chlamydomonas reinhardtii*

13.50-14.10 Thomas Schulze (AG Mittag, Jena): Functional Characterization of the Eyespot Protein SOUL3 in *Chlamydomonas reinhardtii*

14.10-14.30 Anna Filinova (AG Wagner, Jena): The role of a protein disulfide isomerase in *Chlamydomonas reinhardtii*

14.30-14.50 Caroline Weiß (AG Johannigmeier, Halle): Effects of rare codon clusters on the expression of a high-turnover chloroplast protein

## **Coffee break 14.50 – 15.20**

## **Organelles** (Chair Leipzig):

15.20-15.40 Daniela Ditte (AG Klösgen, Halle): Transport and localisation of three potential processing peptidases of *Arabidopsis thaliana*

15.40-16.00 René Hauer (AG Klösgen, Halle): Characterisation of TatA function by site-directed mutagenesis

16.00-16.20 Jürgen Steiner (AG Klösgen, Halle): Organelle-myosin interactions in plants

16.20-16.50 Martin Schattatt (AG Klösgen, Halle): Induction of stromule formation in plant cells

16.50-17.10 Matthias Hirth (AG Pflanschmidt, Jena): Photosynthetic long-term responses of maize, barley and *Brassica* to variations in light quality

17.10-17.30 Kristin Schüffler (AG Pflanschmidt, Jena): Thylakoid membrane protein studies of an *Arabidopsis thaliana* LTR-mutant by Blue Native PAGE

## **Coffee break 17.30 – 18.00**

## **Plant – microbe interaction** (Chair Halle):

18.00-18.20 Iris Camehl (AG Oelmüller, Jena): The role of defense in the beneficial interaction between *Arabidopsis* and *Piriformospora indica*

18.20-18.40 Joy Johnson (AG Oelmüller, Jena): Calcium signal transduction in the beneficial interaction between *Arabidopsis* and *Piriformospora indica*

18.40-19.00 Sabine Bretschneider (AG Ludwig-Müller, Dresden): Analysis of Expansins during the Clubroot Disease

19.00-19.20 Andrea Knaust (AG Ludwig-Müller, Dresden): Proteome analysis of *Plasmodiophora brassicae*

**from 19.30 Get-Together at Altmarktkeller**

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**Saturday 23.1.2010      9.00 – 12.30**

**Physiology I** (Chair Jena):

09.00-09.20 Olaf Barth (AG Humbeck, Halle): HIPP-proteins - putative metallo chaperones affecting gene expression

09.20-09.40 Sandra Morgenroth (AG Humbeck, Halle): HIPP3 - a regulatory protein involved in plant stress responses

09.40-10.00 Jörg Schildhauer (AG Humbeck, Halle): Nitrogen availability regulates leaf senescence

10.00-10.20 Christiane Haas (AG Bley, Dresden): Flow Cytometric Cell Cycle Analysis from Sunflower Cell Suspension Culture

10.20-10.40 Thomas Beer (AG Johannigmeier, Halle): Extremophile algae for regenerative life support systems

**Coffee break 10.40-11.10**

**Physiology II** (Chair Dresden)

11.10-11.30 Anja Günther (AG Wilhelm, Leipzig): Researching Pheodactylum tricornutum: Focusing on the chloroplast electron transport

11.30-11.50 Benjamin Schellenberger (AG Wilhelm, Leipzig): Salt and temperature stress in Chlamydomonas raudensis UWO 241

11.50-12.10 Susann Schaller (AG Wilhelm, Leipzig): Influence of thylakoid lipids on the de-epoxidation of violaxanthin associated with the photosystem II light-harvesting complex (LHCII).

12.10-12.30 Anne Jungandreas (AG Wilhelm, Leipzig): Applications of FTIR-Spectroscopy: Calibrating FTIR-Spectra for Silica Analysis

12.30      Farewell