



Sonderforschungsbereich Multifunktionelle Signalproteine

Friedrich-Schiller-Universität Jena / Fritz-Lipmann-Institut / Hans-Knöll-Institut / Martin-Luther-Universität Halle / Max-Planck-Gesellschaft



**6. Mitteldeutsches Pflanzenphysiologie-Treffen  
and "Symposium on plant signal transduction" (SFB 604)**

**22. - 23. 02. 2008**

**Jena**

**Institute of General Botany & Plant Physiology**

**Lecture Hall "Am Planetarium 1"**

**Begin: 1 p.m.**



Supported by



**Mitteldeutsches Pflanzenphysiologen-Treffen  
and „Symposium on plant signal transduction”  
(Sonderforschungsbereich 604)**

**22. – 23. 02. 2008 in Jena**



**Institute of General Botany and Plant Physiology,  
Lecture Hall, Am Planetarium 1, 07743 Jena**

**Friday, 22. 02. 2008**

13.00 – 13.05 Ralf Oelmüller  
Opening remarks

**„Plant signal transduction I“ (Sonderforschungsbereich 604)**

13.05 – 13.20 Eliane Wolf (AG Steinebrunner)  
„Proteome analysis of apyrase double knockout mutants”

13.20 – 13.35 Frank Rehn (AG Siemens)  
„The complex clubroot resistance locus *RPB1* in *Arabidopsis thaliana*”

13.35 – 13.50 Sabine Jülke (AG Ludwig-Müller)  
„Modulation of lipid transfer proteins in *Arabidopsis* influences sensitivity to the clubroot disease”

13.50 – 14.05 Heiko Maischak (AG Mithöfer)  
"Pore formation in plant membranes during herbivory"

14.05 – 14.20 Sandy Rottloff (AG Mithöfer)  
"Molecular characterization of an acidic endochitinase from *Nepenthes rafflesi-ana*"

- 14.20 – 14.35 Iris Camehl (AG Oelmüller)  
„Basic HLH transcription factors in *Piriformospora indica/Arabidopsis* interaction”
- 14.35 – 14.50 Corinna Drzewiecki (AG Oelmüller)  
„MATH-domain containing proteins in *Piriformospora indica/Arabidopsis* interaction”
- 14.50 – 15.05 Jyothilakshmi Vadassery (AG Oelmüller)  
“Perception of *Piriformospora indica* elicitor by *Arabidopsis* roots, the role of calcium”

**15.05 – 15.30 Coffee break**

**„Plant signal transduction II“ (Sonderforschungsbereich 604)**

- 15.30 – 15.55 Viktor Zarsky (Prague)  
„Exocyst complex in plant polarity and morphogenesis“
- 15.55 – 16.10 Fatima Cvrckova (Prague)  
“Roots of *Angiosperm formins*: the evolutionary history of FH2 domain context in plants”
- 16.10 – 16.25 Stefanie Seitz (AG Mittag)  
“Temperature integration of the circadian RNA-binding protein CHLAMY1”
- 16.25 – 16.40 Katja Prager (AG Mittag)  
“Interaction partners of the C1 subunit of CHLAMY1”
- 16.40 – 16.55 Jens Bösger (AG Mittag)  
“The flagellar phosphoproteome of *Chlamydomonas reinhardtii*”

**16.55 – 17.30 Coffee break**

**„Photosynthesis, chloroplasts, growth and stress in algae“**

- 17.30 – 17.50 Agnieszka Katarzyna Banas (Krakow)  
„Does sugar inhibition of chloroplast movements result from stress signaling“
- 17.50 – 18.15 Olga Sztatelman (Krakow)  
„Photoprotective role of chloroplast movements: *in vivo* chlorophyll fluorescence studies“
- 18.15 – 18.25 Uwe Langner (AG Wilhelm)  
“A complete energy balance for *Chlamydomonas reinhardtii* and *Chlamydomonas acidophila* under balanced growth condition”
- 18.25 – 18.45 Nadine Schmidt (AG Wilhelm)  
“Thermoluminescence as a tool of plant stress detection”

18.45 - 19.05 Christian Jebesen (AG Wilhelm)  
„Infrared spectroscopy as a tool to estimate the growth rates of algae under nutrient stress“

### “Flower development”

19.05 - 19.20 Pia Nutt (AG Theissen)  
„The ABC beyond *Arabidopsis*: Ectopic expression of an orthologue of AGA-MOUS in a natural floral homeotic variety of *Capsella bursa-pastoris* (shepherd's purse)“

19.20 – 19.35 Janine Ziermann (AG Theissen)  
"Mapping candidate genes in the floral homeotic mutant Spe of *Capsella bursa-pastoris* (shepherd's purse)"

19.35 -19.50 Rainer Melzer (AG Theißen)  
"MADS-domain transcription factors loop DNA: a close up view on the floral quartets"

**20.15 Diner**  
**Restaurant „Zur Noll“, Oberlauengasse, Beer garden**

**Saturday, 23. 02. 2008**

### „Stress, senescence and organellar import“

08.30 – 08.55 Dirk Fischer (AG Johanningmeier)  
„D1-mediated expression of foreign proteins in *Chlamydomonas reinhardtii*“

08.55 – 09.15 Wiebke Zschiesche (AG Humbeck)  
“The novel stress and development related HIPProtein family I”

09.15 – 09.35 Olaf Barth (AG Humbeck)  
“The novel stress and development related HIPProtein family II”

09.35 – 09.55 Nicole Sommer (AG Humbeck)  
„Regulation of senescence associated genes by differential histone modifications“

09.55 – 10.15 Bianca Baudisch (AG Klösgen)  
"Dual targeting in plant cells"

10.15 – 10.35 Roman Ladig (AG Klösgen)  
"Characterisation of protein insertion into the inner envelope membrane of chloroplasts"

10.35 – 10.55 Le Li (AG Klösger)  
"Overexpression, purification and reconstitution of TatB and TatC into liposomes"

**10.55 – 11.30 Coffee break**

**„Intraorganellar communication and gene expression“**

11.30 – 11.45 Matsuo Matsuhira (AG Oelmüller)  
"Respiration dependent retrograde signaling from mitochondria to nucleus in *Chlamydomonas reinhardtii*"

11.45 – 12.10 Lars Dietzel (AG Pfannschmidt)  
„Physiological effects and benefits of long-term response (LTR) to light quality gradients in *Arabidopsis thaliana*“

12.10 – 12.30 Sebastian Steiner (AG Pfannschmidt)  
„Functional characterisation of redox-regulated DNA-binding proteins in chloroplasts of higher plants“

12.30 – 12.50 Yvonne Schröter (AG Pfannschmidt)  
„Identification of DNA-binding proteins in higher plant chloroplasts by mass spectrometry“

**13.00 Farewell**

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