

# Program

## International Symposium Perspectives in modern Plant Physiology

Saturday, 27<sup>th</sup> to Sunday, 28<sup>th</sup> of August 2011

### 27<sup>th</sup> of August

08:00 Conference Registration starts in front of lecture hall B1

08:45 - 09:00 Opening by **Enrico Schleiff**

#### ***Session I - Splicing, translational regulation and plant ribosomes***

Chair: Jörg Soppa

09:00 – 09:30 **Markus T. Bohnsack** (Frankfurt am Main)  
"The biogenesis of cytoplasmic ribosomes in plants"

09:30 – 10:00 **John Brown** (Dundee)  
"TBA"

10:00 – 10:30 **Andreas Wachter** (Tübingen)  
"Regulation of alternative splicing by polypyrimidine tract-binding proteins in plants"

10:30 – 11:00 *Coffee Break*

#### ***Session II - Stress response***

Chair: Klaus-Dieter Scharf

11:00 – 11:30 **Dirk Scheel** (Halle, Saale)  
"TBA"

11:30 – 12:00 **Wolfram Weckwerth** (Vienna)  
"TBA"

12:00 – 12:30 **Elisabeth Vierling** (Tucson) *invited*  
"TBA"

12:30 – 14:00 Lunch in Biocenter dining room in N100 (near main entrance)

of Biocenter, see "Location")

### ***Session III - Non-plant model systems in plant research***

Chair: **Enrico Schleiff**

- 14:00 – 14:30      **Claudia Büchel** (Frankfurt a.M.)  
"The functional heterogeneity of Light Harvesting Complexes in diatoms"
- 14:30 - 15:00      **Uwe Maier** (Marburg)  
"Protein import into complex plastids"
- 15:00 – 15:30      **Peter Kroth** (Konstanz)  
"Metabolic reallocations in diatoms"
- 15:30 – 16:00      Coffee Break

### ***Session IV - Protein networks and metabolism***

Chair: **Gerhard Sandmann**

- 16:00 – 16:30      **Ina Koch** (Frankfurt a.M.)  
"Modeling metabolic networks using Petri nets"
- 16:30 – 17:00      **David Fell** (Oxford)  
"Building and analysing genome-scale models of plant metabolism"
- 17:00 – 17:30      **Paul Fraser** (London)  
"Metabolic networks underlying the formation of health related phytochemicals in tomato"
- 17:30 – 18:00      Coffee Break

### ***Plenary lecture biotechnology***

Chair: **Max Schröder**

- 18:00 – 19:00      **Michael Metzlauff** (Gent)  
"The day after tomorrow"
- 19:00 – 22:30      **Network Meeting** - Dinner in the Kronberger Brewery

**28<sup>th</sup> of August**

***Session V - Plant organelles under the microscope***

Chair: **Josef Wachtveitl**

- 09:00 – 09:30      **Ernst Stelzer** (Frankfurt a.M.)  
"Light sheet based fluorescence microscopy and optical manipulation"
- 09:30 – 10:00      **Jiri Friml** (Gent)  
"TBA"
- 10:00 – 10:30      **Norbert Sauer** (Nürnberg)  
"TBA"
- 10:30 – 11:00      Coffee Break

***Session VI - Structure and function – break thoughts in plant biology***

Chair: **Klaas Martinus Pos**

- 11:00 – 11:30      **Werner Kühlbrandt** (Frankfurt a.M.)  
"TBA"
- 11:30 – 12:00      **Andreas Möglich** (Chicago, Berlin)  
"TBA"
- 12:00 – 12:30      **José Antonio Marquez** (Grenoble)  
"Structural insights into the mechanism of activation of the plant stress response pathway through PYR/PYL/RCAR proteins"
- 12:30 – 13:00      Coffee Break

***Closing lecture***

Chair: **Enrico Schleiff**

- 13:00 – 14:00      **Ralf Bock (Potsdam)**  
"Genes gone wild: Experimental genome evolution in plants"