

TNAM 2009 Program

Wednesday, 16.09.2009

- 14:00 – 16:00 Registration and poster set up
16:00 – 16:15 Welcome and TNAM 2009 opening

Session 1: Cell Biology

Chair: Klaus Harter

- 16:15 – 17:00 Invited speaker: Gerd Jürgens
“Regulation of membrane trafficking pathways”
- 17:00 – 17:20 Koichi Watanabe
“Reorganization of sister chromatid arrangement after DNA damage is controlled by SMC5/6”
- 17:20 – 17:40 Emmanuelle Graciet
“The N-End Rule Pathway Controls Multiple Functions of Shoot and Leaf Development”
- 17:40 – 18:15 Invited speaker: Karel Riha
“What Arabidopsis can teach us about telomeres and what telomeres can teach us about Arabidopsis”
- 18:15 – 20:30 Reception at MPIZ Köln
- Starting 20:30 Bus transfer to hotels

Thursday, 17.09.2009

- 08:00 Bus transfer to MPIZ

Session 2: Developmental Biology

Chair: Erich Kombrink

- 08:30 – 09:05 Invited speaker: Arp Schnittger
“And yet it turns – The plant cell cycle with and without the central cyclin-dependent kinase CDKA”
- 09:05 – 09:25 Thomas Greb
“Molecular control of secondary growth initiation in the Arabidopsis shoot”
- 09:25 – 09:45 Elisabeth Hehenberger
“Defining the function of Polycomb group proteins during development”
- 09:45 – 10:20 Invited speaker: Rüdiger Simon
“Conservation and differences in root and shoot stem cell signaling”
- 10:20 – 11:00 Coffee break

Session 3: Molecular Physiology

Chair: Marie-Theres Hauser

- 11:00 – 11:35 Invited speaker: Ulf-Ingo Flügge
“*Glucosinolate biosynthesis in Arabidopsis thaliana: Regulation and novel components*”
- 11:35 – 11:55 Thomas Kretsch
“*Functional analysis of EID1-like F-box proteins*”
- 11:55 – 12:15 Eva Vranová
“*Characterization of Arabidopsis mutants in key branch-points of the isoprenoid pathway: survey for the role of distinct isozymes in isoprenoid synthesis*”
- 12:15 – 12:50 Invited speaker: Yves Poirier
“*The dual role of PHO1 as a Pi exporter and as a key mediator of the Pi-deficiency signal transduction cascade*”
- 13:00 – 14:30 Lunch break
- 14:30 – 17:00 Poster session 1 & coffee
- 16:00 – 17:00 **AFGN meeting**

Session 4: Biotic Interactions

Chair: Renier van der Hoorn

- 17:15 – 17:50 Invited speaker: Jürgen Zeier
“*Regulation of pathogen-inducible volatiles in Arabidopsis and their role in plant defence*”
- 17:50 – 18:10 Birgit Kemmerling
“*The multiple functions of BAK1*”
- 18:10 – 18:30 Klaus Schlaeppi
“*The sequential action of indole glucosinolates and camalexin determines disease resistance of Arabidopsis to Phytophthora brassicae*”
- 18:30 – 19:05 Invited speaker: Thorsten Nürnberger
“*Patterns and receptors in Arabidopsis innate immunity*”
- 19:30 Bus transfer to hotels

Friday, 18.09.2009

- 08:00 Bus transfer to MPIZ

Session 5: Cellular Signalling

Chair: Joachim Uhrig

- 08:30 – 09:05 Invited speaker: Wim Soppe
“*The regulation of seed dormancy*”
- 09:05 – 09:25 Margret Sauter
“*Phytosulfokine- α signaling of cell growth*”

- 09:25 – 09:45 Andrea Schrader
“MIDGET links COP1-dependent photomorphogenesis with topoisomerase VI function”
- 09:45 – 10:20 Invited speaker: John Mundy
“Gene Regulation by MAP kinase cascades”
- 10:20 – 11:00 Coffee break

Session 6: Abiotic Stress

Chair: Andreas Weber

- 11:00 – 11:35 Invited speaker: Gareth I. Jenkins
“Photomorphogenic UV-B perception and signal transduction in Arabidopsis”
- 11:35 – 11:55 Andreas Bachmair
“Ubiquitin ligases with role in plant cell death signaling respond to reactive oxygen signals”
- 11:55 – 12:15 Erich Bornberg-Bauer
“Transcriptomic and genomic functional and evolutionary analysis of the plant stress response”
- 12:15 – 12:50 Invited speaker: Ute Krämer
“Maintaining metal homeostasis”
- 13:00 – 15:00 Lunch break & coffee

Session 7: Genetics and Genomics

Chair: Ralph Panstruga

- 15:00 – 15:35 Invited speaker: Thomas Altmann
“Analysis of Arabidopsis natural variation in biomass accumulation and metabolism”
- 15:35 – 15:55 Marcel Quint
“Genetic variation of the auxin signaling pathway and transcriptional auxin response networks in natural Arabidopsis thaliana accessions”
- 15:55 – 16:15 Stephan Wenkel
“REVOLUTA acts in the brassinosteroid signaling pathway”
- 16:15 – 16:50 Invited speaker: Magnus Nordborg
“Genome-wide association study of 107 phenotypes in a common set of Arabidopsis thaliana inbred lines”
- 17:00 – 18:30 Poster session 2
- 18:30 Bus transfer to boat
- 19:30 – 22:30 Boat trip
- 22: 30 Bus transfer to hotels

Saturday, 19.09.2009

08:30 Bus transfer to MPIZ

Session 8: Evolution/Molecular Processes

Chair: Raimund Tenhaken

- 09:00 – 09:35 Invited speaker: Rolf Holderegger
“Landscape genomics: adaptive genetic variation in a landscape context”
- 09:35 – 09:55 Harrold A. van den Burg
“Plant SUMO paralogs have distinct functions in development and innate immunity”
- 09:55 – 10:15 Kirstin Elgass
“A brassinolide- and BRI1-dependent signal-response pathway in the plasma membrane of plant cells”
- 10:15 – 11:00 Invited speaker: Maarten Koornneef
“Arabidopsis natural variation”
- 11:00 – 11:15 Poster awards
- 11:15 – 11:30 Concluding remarks and farewell
- 11:30 – 12:00 Coffee and snacks