

ISE-G

German Section *of the*
International Society of Endocytobiology



17th Annual Meeting of the ISE-G

Berlin

September 21st - 24th, 2015

Program

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Organizers

Stephan Greiner
greiner@mpimp-golm.mpg.de

Michael Tillich
mpt@mpimp-golm.mpg.de



MAX-PLANCK-GESELLSCHAFT



Max Planck Institut
für Molekulare Pflanzenphysiologie

Program - 17th ISE-G Meeting 2015

in the Hanack-Haus in Berlin

MONDAY September, 21st (Goethe Hall: 16:00 - 21:00)

12:00 - 16:00 Registration Planck Lobby
from 14:00 Coffee Planck Lobby

16:00 - 16:15 Welcome and Jörg Nickelson
Introduction

Endosymbiosis and Evolution (Chair: Jörg Nickelsen)

16:15 T1 Eva Nowack *Paulinella chromatophora* - Exploring molecular mechanisms involved in establishing a photosynthetic organelle

16:45 T2 Sergio Muñoz-Gómez The evolutionary history of MICOS reveals the pre-endosymbiotic origin of mitochondrial cristae

17:00 T3 Christopher Grosche CIA is everywhere - or not?

17:15 T4 Jan de Vries Streptophyte terrestrialisation in the light of plastid evolution

17:30 T5 Martin Lohr Carotenoid biosynthesis in Cryptophyte algae: The best of both worlds?

17:45 - 19:45 Dinner Restaurant

18:45 - 19:45 ISE-G Business Meeting Goethe Hall
New People Welcome!

Parasites and Organismal Interactions (Chair: Johanna Sobanski)

19:45 T6 Ralf Oelmüller Control of root development by microbes and other factors

20:15 T7 Kirsten Krause From the plastome to the genome: Evolutionary aspects regarding parasitic *Cuscuta* species

20:45 T8 Daniel Moog A reduced glycosome in the kinetoplastid endosymbiont of parasitic *Paramoeba* species?

21:00 - 23:00 Come Together Einstein Lounge

TUESDAY September, 22nd (Goethe Hall: 9:00 - 14:30)

Protein Targeting and Import I (Chair: Danja Schünemann)

9:00	T9	Jürgen Soll	Evolution of protein and metabolite transport systems in plastids
9:30	T10	Stefan Rensing	The pitfalls of plant protein targeting prediction and of transient protein expression in heterologous systems
10:00	T11	Sriram Garg	Uncovering the ancestral state of mitochondrial targeting
10:15	T12	Uwe Langer	Dual targeting of nuclear encoded proteins into endosymbiotic organelles
10:30 - 11:00		Coffee	Planck Lobby

Protein Targeting and Import II - Technology Development (Chair: Danja Schünemann)

11:00	T13	Uwe Maier	Protein import into the complex plastids of diatoms
11:30	T14	Ansgar Gruber	Intracellular reallocation of metabolic pathways in diatoms
11:45	T15	Oliver Dautermann	Functional expression of putative zeaxanthin epoxidase genes from the diatom <i>Phaeodactylum tricornutum</i> in tobacco
12:00	T16	Rouhollah Barahimipour	<i>Chlamydomonas reinhardtii</i> expression strains as new tools in functional genomics
12:15	T17	Iman Tabatabaei	Development of new selection system for chloroplast transformation
12:30 - 13:30		Lunch	Restaurant

Organelle mRNA Metabolism I (Chair: Axel Brennicke)

13:30	T18	Mizuki Takenaka	RNA editosomes in plant organelles - E-class PPR proteins and associated factors
14:00	T19	Vanessa Loiacono	Going against the flow: Extension of chloroplast RNA editing to novel target sites
14:15	T20	Bastian Oldenkott	Massive intron RNA editing and an unparalleled diversity in the organelle genomes of the lycophyte genus <i>Selaginella</i>

Poster Session I (with Coffee)

- 14:30 - 16:00 *Odd Numbers* **Planck Lobby**
- 16:00 - 16:30** **Transfer to the Botanical Garden of Berlin**
- 16:30 - 17:30** **Guided Tour through the Botanical Garden of Berlin (sponsored by Conviron)**
The garden closes its doors at 19:00
- from 19:45** **Conference Dinner at Clärchen's Ballhaus**
(main sponsor Agena, co-sponsors Conviron, Agrisera, and Dell)
For those who do not join, Dinner at the Harnack-Haus will be served from 18:00

WEDNESDAY September, 23rd (Goethe Hall: 9:00 - 15:00)

Organelle mRNA Metabolism II (Chair: Axel Brennicke)

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|----------------------|-----|------------------------|--|
| 9:00 | T21 | Stefan Binder | Processing of 5'-transcript termini in plant mitochondria |
| 9:30 | T22 | Oren Ostersetzer-Biran | From gene expression to respiratory complex assembly: The roles of maturases in mitochondria biogenesis in plants |
| 09:45 | T23 | Nikolay Manavski | A newly defined repeated RNA-binding motif of HCF145 is conserved in photosynthetic organisms and stabilizes the <i>psaA</i> 5'-UTR in Embryophyta |
| 10:00 | T24 | Gongwei Wang | A comprehensive detection of short RNAs in chloroplasts and mitochondria of <i>Arabidopsis thaliana</i> |
| 10:15 | T25 | Sandra Tanz | Chloroplast gene expression in C4 Cleome |
| 10:30 - 11:00 | | Coffee | Planck Lobby |

THURSDAY September, 24th (Goethe Hall: 9:00 - 11:00)

Organelle Genomes Dynamics and Inheritance (Chair: Rudolf Hagemann)

9:00	T34	Thomas Börner	Endogenous factors determining the number of mitochondrial gene copies per cell
9:30	T35	Jana Dotzek	Structural evolution and dynamics of the <i>Oenothera</i> mitochondrial genome
9:45	T36	Svenja Oetke	Compaction of chloroplast nucleoids is promoted by the DNA/RNA-binding protein WHIRLY1 and is impaired in chloroplasts developing in continuous high light
10:00	T37	Etienne Meyer	CMS-G of <i>Beta vulgaris</i> ssp. <i>maritima</i> contains an unusual cytochrome c oxidase
10:15 - 10:45	Coffee		Planck Lobby
10:45 - 12:00	Eppendorf and Peter Sitte Award - Closing remarks (supported by Eppendorf)		
from 12:00	Lunch		Restaurant
from 13:00	Departure		

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