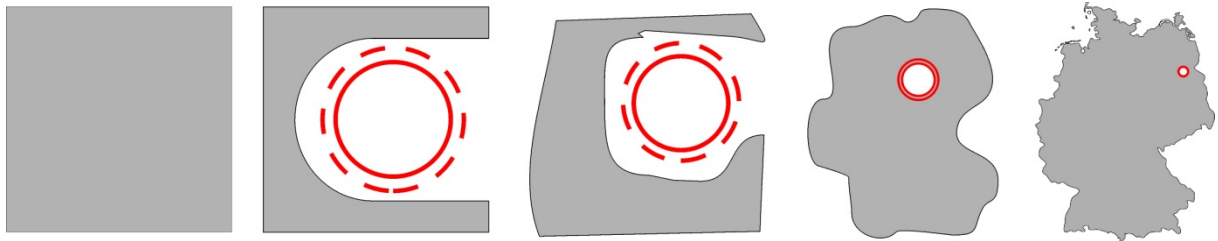


Program

XIII. Annual Meeting of the German Section of the International Society for Endocytobiology



Berlin

FU-Biologie; Königin-Luise-Str. 12-16

23. 09. – 25. 09. 2009

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**ZINSSER
ANALYTIC**


Wednesday, 23.09.09

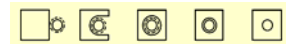
14:30	15:30	Coffee and Cookies, Registration
15:30	15:40	Address of Welcome
15:40	17:20	Session 1: Evolution (Chair: T. Börner)
15:40	16:00	Chlamydiae and the Evolution of Plastids Burkhardt Becker (Köln)
16:00	16:20	The evolutionary striptease of the plastid genome in the underground orchid, <i>Rhizanthella gardneri</i> Ian Small (Perth)
16:20	16:40	<i>Cuscuta</i> : plastid genomics of a parasite. Kirsten Krause (Tromsø)
16:40	17:00	Muller's ratchet and plant evolution: a modeling approach Stefan Rensing (Freiburg)
17:00	17:20	Plant mitochondrial DNA: 500 Million years of evolving molecular peculiarities Volker Knoop (Bonn)
17:20	18:00	Coffee and Cookies
18:00	19:40	Session 2: Plastids (Chair: I. Small)
18:00	18:20	<i>Chlamydomonas</i> chloroplast chaperones Michael Schroda (Golm)
18:20	18:40	Nucleus-Plastid Signaling Thomas Pfannschmidt (Jena)
18:40	19:00	AtSWIB-1 is an intrinsic DNA-binding component of the plastid transcriptionally active chromosome and has a second localization in the nucleus Joanna Melonek (Kiel)
19:00	19:20	Translation initiation in plastids and eubacteria: an alternative mechanism not depending on Shine-Dalgarno sequences Lars Scharff (Golm)
19:20	19:40	Chloroplast Biogenesis in <i>Chlamydomonas</i> Jörg Nickelsen (München)

20:00

ISE-G Meeting of Members (with Snacks)

Thursday, 24.09.09

09:00	10:40	Session 3: Organismic Interactions I (Chair: J. Nickelsen)
9:00	9:20	<i>P. indica</i> – Arabidopsis interactions Ralph Oelmüller (Jena)
9:20	9:40	Jasmonates in arbuscular mykorrhiza Bettina Hause (Halle)
9:40	10:00	Endomykorrhiza Franziska Krajinski (Golm)
10:00	10:20	The role of glycolipids under phosphate deprivation and in plant-microbe interactions Georg Hölzl (Bonn)
10:20	10:40	Plants and human diseases like malaria Karsten Fischer (Tromsø)
10:40	11:10	Coffee and Cookies
11:10	12:30	Session 4: Organismic Interactions II (Chair P. Kroth)
11:10	11:30	Sponge Symbioses Ute Hentschel (Würzburg)
11:30	11:50	Symbioses in Marine Invertebrates Nicole Dubilier (Bremen)
11:50	12:10	Inter-partner communication in basal metazoans: comparative transcriptomics to uncover processes controlling the Hydra-Chlorella symbiosis Christina Lange (Uni Kiel)
12:10	12:30	Spheroid Bodies of the diatom <i>Rhopalodia gibba</i> Eike Matthias Trapp (Marburg)
12:30	14:30	Lunch Break
14:30	15:50	Session 5: Transport (Chair: W. Löffelhardt)
14:30	14:50	Protein transport by the Δ pH-dependent Tat (Twin-arginine-translocation) pathway across the thylakoid membrane



Ralf-Bernd Klösger (Halle)

14:50 15:10 C3PO - An Omp85-Homolog in the 3rd outermost Plastid Membrane of Chromalveolates

Lars Bullmann (Marburg)

15:10 15:30 New nucleotide transporters in algae with complex plastids

Iika Haferkamp (Kaiserslautern)

15:30 15:50 Dual targeting - Organelle specificity of nuclear encoded proteins

Bianca Baudisch (Halle)

15:50 17:50 **Poster Session** (plus Coffee and Cookies)

17:50 19:50 **Session 6: Mitochondria** (Chair: F. Kempken)

17:50 18:10 Restorer of fertility-like genes are involved in 5' processing of mitochondrial transcripts in *Arabidopsis thaliana*

Stefan Binder (Ulm)

18:10 18:30 RNA editing in Plant Mitochondria

Mizuki Takenaka (Ulm)

18:30 18:50 Gene-specific transcription in *Arabidopsis* mitochondria by the phage-type RNA polymerase RPOTmp

Kristina Kühn (Perth)

18:50 19:10 Mitochondria and Glycolysis in Stramenopiles

Carolina Rio Bartulos (Konstanz)

19:10 19:30 Translation in mitochondria

Joost van Dongen (Golm)

Friday, 25.09.09

09:00 11:00 **Session 7: Physiology** (Chair: I. Adamska)

9:00 9:20 Light-dependent expression of organellar phage-type RNA polymerases in *Arabidopsis*

Karsten Liere (Berlin)

9:20 9:40 Role For RNA Editing In The Regulation Of Plastid-Encoded Polymerase Activity

Sabine Kahlau (Perth)

9:40	10:00	Plastid ribosomes initiate translation by scanning of mRNA Oliver Drechsel (Golm)
10:00	10:20	Characterisation of organelle-myosin complexes in plants Daniela Rödel (Halle)
10:20	10:40	Stress-enhanced proteins in the chloroplast of <i>Arabidopsis thaliana</i> Jens Lohscheider (Konstanz)
10:40	11:00	Intracellular Reorganisation of Metabolic Pathways in Diatoms Ansgar Gruber (Konstanz)
11:00	11:30	Coffee and Cookies
11:30	ca. 12:00	<i>Eppendorf-Postdoc-Award and Concluding Remarks</i>

POSTER

Abdullah Jalal	Functional Analysis of Pentatricopeptide repeats (PPR) protein family in <i>Chlamydomonas reinhardtii</i>.	LMU München	1
Andrew Bozarth	Topogenic Signals and Protein Transport in Peridinin Containing Dinoflagellates	Uni Marburg	2
Anika Bruhs	Towards identification of RNA-protein complexes and their role for site specific RNA editing in mitochondria of higher plants	Uni Kiel	3
Beatrix Dünschede	cpSRP dependent LHCP transport and integration within chloroplasts of higher plants	Uni Bochum	4
Bettina Linke	Impaired regulation of male organ identity and anther patterning in “Cytoplasmic male sterility” (CMS) plants of <i>Daucus carota</i>	HU-Berlin	5
Christian Schwarzer	Is the plastid pyruvate dehydrogenase involved in d1 synthesis?	LMU München	6
Christiane Kupsch / Michi Tillich	Chloroplast Ribonucleoproteins: players in the “eukaryotisation” of chloroplast gene expression	HU-Berlin	7
Christopher Grosche	Protein targeting in Peridinin containing dinoflagellates	Uni Marburg	8
Claudia Willeke	Hypoxia effects on transcriptome and mitochondrial proteome of <i>Arabidopsis thaliana</i>	Uni Kiel	9
Danja Schünemann / Chantal Träger	Evolution of the SRP-dependent protein transport in chloroplasts	Uni Bochum	10

Eike M. Trapp	Spheroid Bodies of the diatom <i>Rhopalodia gibba</i>	Uni Marburg	11
Felix Grewe	The mitochondrial genome of the lycophyte <i>isoetes engelmannii</i> reveals trna hyperediting and a trans-splicing group i intron	Uni Bonn	12
Iwona Adamska	Stress-enhanced proteins in the chloroplast of <i>Arabidopsis thaliana</i>	Uni Konstanz	13
Johanna Sobanski	Searching for transcription factors of the phage-type RNA polymerases in <i>Arabidopsis thaliana</i> and <i>Nicotiana tabacum</i>	HU-Berlin	14
Jürgen Steiner	Characterization of organelle-myosin complexes in plants	Uni Halle	15
Katharina Krech	Does Ycf4 play a role in Photosystem I assembly?	MPI Golm	16
Kerstin Petersen	From biomass to cellulosic ethanol - expression of bacterial cellulases in tobacco plastids	MPI Golm	17
Liliana Borsellino	Influence of blue-light on the transcript level of RNA polymerases in <i>Arabidopsis thaliana</i> photoreceptor mutants	HU-Berlin	18
Maria Yamburenko / Yan Zubo	Multiple-factor regulation of transcription of individual chloroplast genes	HU-Berlin	19
Mirl Trösch	Members of the SWIB family of plant chromatin remodeling proteins are located in both nucleus and organelles	Uni Kiel	20
Muhammad Waqar Hameed	MITOCHONDRIAL GENE EXPRESSION IN TOBACCO ORGANS: TRANSCRIPTIONAL AND/OR TRANSLATIONAL CONTROL	MPI Golm	21
Reimo Zoschke	An Organellar Maturase Associates with Multiple Group II Introns	HU-Berlin	22
Renee Hauer	Towards the role of Tat A during Tat-dependent protein transport	Uni Halle	23
Simon Fischer	Mitochondrial RNA editing in ferns:u-to-c changes exceeding classic C-to-U editing. Updating nomenclature and introducing prepaet.	Uni Bonn	24
Stefan Herres	A unique transcriptome: 1732 positions of editing alter 1372 codons in mitochondrial mRNAs of the lycophyte <i>Isoetes engelmannii</i>	Uni Bonn	25
Stefan Zauner	Protein import in secondary plastids of peridinin containing Dinoflagellates	Uni Marburg	26
Tobias Fleischmann	Determining essentiality and further roles of ribosomal proteins and tRNAs in plastids of <i>Nicotiana tabacum</i>	MPI Golm	27

Additional Participants

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Emilia Cincu	HU Berlin
Ina Thormählen	MPI Golm
Frank Kempken	Uni Kiel
Hans-Georg Gräber	University Hospital Aachen
Herrmann Bothe	Uni Köln
Kathrin Bolte	Uni Freiburg
Michelle Ast	Uni Kaiserslautern
Peter Kroth	Uni Konstanz
Volker Erdmann	FU Berlin

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