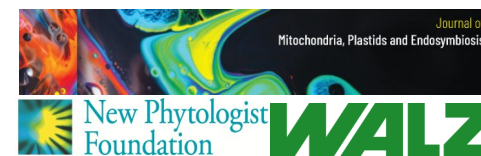




TRR 175 International „Chloroplast: From Molecules to Complex Systems“



From	to	Monday	Tuesday	Wednesday	Thursday	Friday
08:00	09:00		Breakfast			
09:00	10:00		Isabel Bäurle (University Potsdam) How do plants remember a stressful day? – Interplay of transcription factors and chromatin to regulate heat stress memo-	Karl-Josef Dietz (Universität Bielefeld) The redox-regulatory core network of the cell as central element in enviromental acclimatization	Christine Foyer (IUniversity of Birmingham) Plant responses to elevated atmo-spheric CO ₂ evels	Jun Minagawa (NIBB Okazaki) From NPQ to plasticity: Transposon activation in a Chlamydomonas mutant
10:00	10:30		Mizuki Takenaka (Kyoto University) Structural reassembly of an RNA editing enzyme in plant organelles	Ekkehard Neuhaus (RPTU) Functions of envelope-located proteins in acclimation reactions	Erhard Pfündel (Walz Effeltrich) Diurnal acclimation of tree photosynthesis: A pilot experiment combining saturation pulse analysis with sap flow measurement	Thomas Nägele (LMU München) Plasticity of metabolic acclimation
10:30	11:00		Coffee Break			
11:00	11:30		Jörg Nickelsen (LMU München) Redox control of cold acclimation in <i>Chlamydomonas reinhardtii</i>	Serena Schwenkert (LMU München) Chloroplast Envelope Protein CLRP23 modulates lipid dynamics during cold acclimation in Arabidopsis	Dario Leister (LMU München) Acclimation meets adaptation	Timo Mühlhaus (RPTU Kaiserslautern) Indirect learning to decode plant acclimation networks
11:30	12:00		Issei Nakazato (Tokyo University) Development and application of chloroplast-targeted C-to-T base editors	Jan-Ferdinand Penzler (LMU München) PGR5: A Never-ending mystery	Alizee Malnoe (Indiana University) Regulation and mechanism of photoprotective qH in Arabidopsis	Ines Nunes (LMU München) Failure of ion channel regulation impairs chloroplast biogenesis Jinghan Liu (MPI Golm) Temperature-dependent translational regulation in tobacco plants.
12:00	12:30		Reimo Zoschke (MPI Golm) Assembly-dependent translational feedback regulation of photosynthetic proteins in land plants	Hans-Henning Kunz (LMU München) The importance of chloroplast ion homeostasis for plant function and stress tolerance		Andrea Bräutigam (Universität Bielefeld) AlphaFold3 as a tool in photosynthetic gene regulation analyses
12:30	14:00		Lunch			
			Lunch and Departure			

		Monday	Tuesday	Wednesday	Thursday
14:00	15:00	Arrival	Christine Raines (University of Essex) Strategies to improve photosynthetic carbon metabolism to enable increased crop yield	Toshiharu Shikanai (Kyoto University) Regulation of photosynthetic electron transport by luminal acidification	Michel Havaux (Aix-Marseille University) Stress signaling in plants by β -carotene derivatives
15:00	15:30		Yuki Okegawa (Okayama University) Redox regulation of photosynthesis by the thioredoxin system in <i>Arabidopsis thaliana</i>	Tatjana Kleine (LMU München) Update on one of the most prominent and debated members of the PPR protein family: GENOMES UNCOUPLED1 (GUN1)	Guillaume Decros (MPI Potsdam) Deciphering the ascorbate-mediated signalling
15:30	16:00		Coffee Break		
16:00	16:30		Peter Geigenberger (LMU München) Role of thioredoxins in acclimation of plants to light and cold	Etienne Meyer (Universität Halle) Respiratory supercomplexes slow down seed aging	Stefanie Müller-Schüssele (RPTU) Class I glutaredoxins in plastid oxidative stress: repair crew or specific regulators?
16:30	17:00		Torsten Möhlmann (RPTU Kaiserslautern) Unravelling of the surprising relationship between the nucleotide salvage enzyme UPP and the Rieske iron-sulphur protein in the chloroplast	David Zimmer (RPTU Kaiserslautern) FAIR enough? Cultivation of annotated plant research data	Nadine Töpfer (Universität zu Köln) Putting metabolic network into context - Understanding leaf functioning through computational modelling
17:00	17:30		Matthias Ostermeier (LMU München) The subcellular localisation of early photosystem II assembly in <i>Synechocystis</i> sp. PCC 6803	Thilo Rühle (LMU München) Synergistic role of Rubisco inhibitor release and degradation in photosynthesis	Frederik Saulich (HU Berlin) Plant organellar RNA-editing - in a condensed phase? Yang Gao (MPI Golm) Elucidating the cold acclimation function of the small non-essential PSI and cyt b_6f subunits Psaj and PetL
18:00	19:00	Dinner		Visit and Dinner at the Brewery	Dinner
19:00	19:30	Julian Hibberd (University of Cambridge) Engineering chloroplast biogenesis for improved yield	Maria Mittag (Universität Jena) Shedding light on green microalgae and their life in nature		Poster Session
19:30	20:00		Victoria Holzer (LMU München) NEET - A novel player in cold acclimation of <i>Chlamydomonas reinhardtii</i> Michael Samin (LMU München) Defending Photosynthesis from ROS: How a desert alga thrives in extreme high light?		
20:00	20:30		Thomas Pfannschmidt (Universität Hannover) The plastid-encoded RNA polymerase of plant chloroplasts		