



Sunday, May 17th

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| 3:00 p.m. | Registration |
| 6:00 p.m. | Opening |
| 6:10 p.m. – 7:25 p.m. | Session: Mitochondrial genome dynamics part I Chairman: Axel Brennicke (Universität Ulm, Germany) |
| 6:10 p.m. – 6:35 p.m. | Jeffrey Mower (University of Nebraska, USA) – “Evolution and phylogeny of gymnosperm mitochondrial genomes” |
| 6:35 p.m. – 7:00 p.m. | Daniel Sloan (Colorado State University, USA) – “The massive mitochondrial genome of the angiosperm <i>Silene noctiflora</i> is evolving by gain or loss of entire chromosomes” |
| 7:00 p.m. – 7:25 p.m. | Elizabeth Skippington (Indiana University, Bloomington, USA) – “The wonderfully unusual mitogenomes of Santalales” |
| 7:30 p.m. – 10:00 p.m. | Welcome party – Wine, cheese and pierogi |

Monday, May 18th

Breakfast

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| 9:00 a.m. – 10:45 a.m. | Session: Mitochondrial genome dynamics part II Chairmen: Kathleen Newton (University of Missouri, USA), Jose Gualberto (IBMP-CNRS, France) |
| 9:00 a.m. – 9:25 a.m. | Wataru Sakamoto (Okayama University, Japan) – “Regulation of organelle DNA levels by organelle nuclease DPD1” |
| 9:25 a.m. – 9:50 a.m. | Brent L. Nielsen (Brigham Young University, USA) – “Non-redundant functions of dual-localized organellar DNA replication proteins” |
| 9:50 a.m. – 10:10 a.m. | Stephan Greiner (Max Planck Institute of Molecular Plant Physiology, Germany) – “Structure and inheritance of the <i>Oenothera</i> mitochondrial genome” |
| 10:10 a.m. – 10:30 a.m. | Clémentine Wallet (IBMP-CNRS, France) – “A RecG-like DNA helicase is required for the segregation of the <i>Arabidopsis</i> mtDNA” |
| 10:30 a.m. – 10:45 a.m. | Na Zhao (Zhejiang University, China) – “MutS HOMOLOG1 mediating substoichiometric shifting of ORF220 causes cytoplasmic male sterility and fertility reversion in <i>Brassica juncea</i>” |
| 10:45 a.m. – 11:15 a.m. | Coffee break |
| 11:15 a.m. – 12:55 p.m. | Session: RNA transcription, maturation and regulation Chairmen: Maureen Hanson (Cornell University, USA), Daniel Gonzalez (Instituto de Agrobiotecnología del Litoral, Argentina) |
| 11:15 a.m. – 11:40 a.m. | Laurence Maréchal-Drouard (IBMP-CNRS, France) – “Organellar plant tRNA fragments as a new source of small non-coding RNA” |
| 11:40 a.m. – 12:05 p.m. | Stefan Binder (Ulm University, Germany) – “Processing of 5' transcript termini: PPR proteins and beyond” |
| 12:05 p.m. – 12:30 p.m. | Phillipe Giegé (IBMP-CNRS, France) – “Exploring the mode of action, diversity and evolution of protein-only RNase P” |
| 12:30 p.m. – 12:55 p.m. | Bentolila Stephane (Cornell University, USA) – “New families of proteins required for mitochondrial RNA editing” |
| 1:00 p.m. – 2:30 p.m. | Lunch |



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| 3:00 p.m. – 5:00 p.m. | Session: Mitochondrial membrane biogenesis, dynamics and transport Chairmen: David Logan (Angers University, France), Shin-Ichi Arimura (The University of Tokyo, Japan) |
| 3:00 p.m. – 3:25 p.m. | Monika Murcha (University of Western Australia, Australia) – “Identification and characterisation of a tRNA Import Receptor into Plant Mitochondria” |
| 3:25 p.m. – 3:50 p.m. | Jianping Hu (Michigan State University, USA) – “Post-translational regulation of mitochondrial dynamics in Arabidopsis” |
| 3:50 p.m. – 4:10 p.m. | Boon Leong Lim (University of Hong Kong, Hong Kong) – “AtPAP2 and STY kinases regulate the import of certain precursor proteins into chloroplasts and mitochondria” |
| 4:10 p.m. – 4:30 p.m. | Ute Vothknecht (Ludwig Maximilian University of Munich, Germany) – “TOM9: a calmodulin-regulated protein involved in TOM complex assembly in Arabidopsis thaliana” |
| 4:30 p.m. – 4:45 p.m. | Michaud Morgane (CNRS/CEA/INRA/Univ. Grenoble Alpes, France) – “Identification of a mitochondrial super-complex involved in lipid trafficking in plant mitochondria” |
| 4:45 p.m. – 5:00 p.m. | Paula Da Fonseca Pereira (Max Planck Partner Group, Universidade Federal de Viçosa, Brazil) – “Functional characterization of NAD⁺ transporters in Arabidopsis thaliana” |
| 5:00 p.m. – 5:30 p.m. | Coffee break |
| 5:30 p.m. – 7:30 p.m. | Poster session I (even numbers) |
| 7:30 p.m. | Dinner |
| 9:00 p.m. | Get-together at the Bierhalle |

Tuesday, May 19th

Breakfast

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| 9:00 a.m. – 10:45 a.m. | Session: Interorganellar signalling and interaction Chairmen: Christine Foyer (University of Leeds, United Kingdom), Kathleen Soole (Flinders University, Australia) |
| 9:00 a.m. – 9:25 a.m. | James Whelan (La Trobe University, Australia) – “Interorganellar signalling and interaction” |
| 9:25 a.m. – 9:50 a.m. | Tatjana Kleine (Ludwig Maximilian University of Munich, Germany) – “Organellar gene expression and retrograde signaling” |
| 9:50 a.m. – 10:10 a.m. | André Dietrich (CNRS-IBMP, France) – “Mitochondrial transcriptome control and genetic coordination in plant cells” |
| 10:10 a.m. – 10:30 a.m. | Agepati Raghavendra (University of Hyderabad, India) – “Mitochondrial redox as the major signal to mediate the crosstalk with chloroplasts and other organelles in plant cells” |
| 10:30 a.m. – 10:45 a.m. | Olivier Van Aken (University of Western Australia, Australia) – “A two-phase stress response to energy organelle inhibition is controlled by WRKY and NAC transcription factors” |
| 10:45 a.m. – 11:15 a.m. | Coffee break |
| 11:15 a.m. – 1:00 p.m. | Session: Respiratory chain structure, assembly and regulation Chairmen: Allan Rasmusson (Lund University, Sweden), Wiesława Jarmuszkiewicz (Adam Mickiewicz University in Poznań, Poland) |
| 11:15 a.m. – 11:40 a.m. | Hans-Peter Braun (Leibniz Universität Hannover, Germany) – “The carbonic anhydrase domain of mitochondrial complex I” |



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| 11:40 a.m. – 12:00 p.m. | Etienne Meyer (Max Planck Institute of Molecular Plant Physiology, Germany) – “CMS-G of <i>Beta vulgaris ssp maritima</i> contains an unusual cytochrome c oxidase” |
| 12:00 p.m. – 12:20 p.m. | Oren Osterseizer (The Hebrew University of Jerusalem, Israel) – “From gene expression to respiratory complex assembly: the roles of maturases in mitochondria biogenesis in plants” |
| 12:20 p.m. – 12:40 p.m. | Jennifer Selinski (Osnabrück University, Germany) – “Multiple AOX <i>Arabidopsis</i>: What makes the difference?” |
| 12:40 p.m. – 1:00 p.m. | Ivan Radin (Technische Universität Dresden, Germany) – “A putative auxiliary role of cytochrome c oxidase assembly factor AtCOX11 in ROS scavenging” |
| 1:00 p.m. – 2:30 p.m. | Lunch |
| 2:30 p.m. – 2:50 p.m. | Agriserà's lecture – “Tips and tricks of antibody production and validation process - how to obtain good results?” |
| 3:00 p.m. – 5:00 p.m. | Session: Mitochondria and stress response Chairmen: Miquel Ribas-Carbó (Universitat De Les Illes Balears, Spain), Anna M. Rychter (University of Warsaw, Poland) |
| 3:00 p.m. – 3:25 p.m. | Sally Mackenzie (University of Nebraska, USA) – “Integration of organellar and epigenomic behavior during reprogramming for abiotic stress response in plants” |
| 3:25 p.m. – 3:50 p.m. | Greg Vanlerberghe (University of Toronto Scarborough, Canada) – “Mitochondrial respiration in the light during drought” |
| 3:50 p.m. – 4:15 p.m. | Markus Schwarzländer (University of Bonn, Germany) – “Mitochondrial Calcium Dynamics - Checks and Balances of Energy Physiology” |
| 4:15 p.m. – 4:30 p.m. | Nicolas Taylor (The University of Western Australia, Australia) – “Unravelling the molecular mechanisms of cold and salinity stress/tolerance in wheat mitochondria” |
| 4:30 p.m. – 4:45 p.m. | Laura Zsigmond (Hungarian Academy of Science, Hungary) – “The role of mitochondrial proteins in stress responses” |
| 4:45 p.m. – 5:00 p.m. | Catharina Belt (University of Western Australia, Australia) - “Investigating succinate dehydrogenase as a central regulator of stress response in plants” |
| 5:00 p.m. – 5:30 p.m. | Coffee break |
| 5:30 p.m. – 7:30 p.m. | Poster session (odd numbers) |
| 7:30 p.m. | Dinner |
| 9:00 p.m. | Get-together at the Bierhalle |

Wednesday, May 20th

Breakfast

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| 9:00 a.m. – 10:45 a.m. | Session: Protein synthesis, modification and quality control Chairmen: Linda Bonen (University of Ottawa, Canada), Hanna Janska (University of Wrocław, Poland) |
| 9:00 a.m. – 9:25 a.m. | Iris Finkemeier (Max Planck Institute for Plant Breeding Research, Germany) – “Lysine acetylation and its regulatory roles in <i>Arabidopsis</i> mitochondria” |
| 9:25 a.m. – 9:45 a.m. | Malgorzata Kwasniak Owczarek (University of Wrocław, Poland) – “Mitochondrial regulation of protein synthesis in plant mitochondria” |
| 9:45 a.m. – 10:05 a.m. | Kristina Kühn (Humboldt-Universität zu Berlin, Germany) – “The mitochondrial SHOT1 protein is required for OXPHOS biogenesis” |



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| 10:05 a.m. – 10:25 a.m. | Beata Kmiec (Stockholm University, Sweden) – “Shredding the signal: Systems for targeting peptides degradation in Mitochondria and Chloroplasts” |
| 10:25 a.m. – 10:45 a.m. | Chris Carrie (Ludwig-Maximilians Universität München, Germany) – “Identification of cleavage sites and substrate proteins for two mitochondrial intermediate peptidases in Arabidopsis Thaliana” |
| 10:45 a.m. – 11:15 a.m. | Coffee break |
| 11:15 a.m. – 12:45 p.m. | Session: Mitochondria and plant development Chairmen: Per Gardeström (Umeå University, Sweden), Bozena Szal (University of Warsaw, Poland) |
| 11:15 a.m. – 11:40 a.m. | Tomohiko Kazama (Tohoku University, Japan) – “Mitochondrial genotype determines fate of pollen development in cytoplasmic male sterile rice” |
| 11:40 a.m. – 12:05 p.m. | Elina Welchen (Universidad Nacional del Litoral, Argentina) – “Cytochrome c connects carbon metabolism with plant growth and developmental transitions” |
| 12:05 p.m. – 12:25 p.m. | Gaël Paszkiewicz (INRA IRHS, France) – “Reactivation of mitochondrial bioenergetics and dynamics during germination of Arabidopsis thaliana seed” |
| 12:25 p.m. – 12:45 p.m. | Jinghua Yang (Zhejiang University, China) – “Identification of the unique alternative oxidase (CIAOX) in watermelon (Citrullus lanatus)” |
| 1:00 p.m. – 2:30 p.m. | Lunch |
| 2.30 p.m. | Free afternoon/excursions |

Thursday, May 21st

Breakfast

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| 9:00 a.m. – 10:50 a.m. | Session: Mitochondrial biochemistry and metabolism Chairmen: Jan A. Miernyk (University of Missouri, USA), David Day (Flinders University, Australia) |
| 9:00 a.m. – 9:25 a.m. | Janneke Balk (John Innes Centre, United Kingdom) – “A smelly business: Persulfide metabolism and trafficking in mitochondria” |
| 9:25 a.m. – 9:45 a.m. | Toshihiro Obata (Max-Planck-Institute of Molecular Plant Physiology, Germany) – “Manipulation of cellular metabolism by stabilizing an enzyme-enzyme interaction” |
| 9:45 a.m. – 10:05 a.m. | Veronica Maurino (Heinrich Heine University, Germany) – “Plants Possess a Mitochondrial Metabolic Repair Cycle Involving Malate Dehydrogenase and L-2hydroxyglutarate Dehydrogenase” |
| 10:05 a.m. – 10:25 a.m. | Tatjana Hildebrandt (Leibniz Universität Hannover, Germany) – “Integration of amino acid catabolic pathways at the sulfur dioxygenase ETHE1” |
| 10:25 a.m. – 10:50 a.m. | Elke Stroehler (University of Western Australia, Australia) - “Glutaredoxin S15 is involved in Fe-S biogenesis in mitochondria influencing lipoic acid-dependent enzymes, plant growth and arsenic tolerance in Arabidopsis” |
| 10:50 a.m. – 11:15 a.m. | Coffee break |
| 11:15 a.m. – 12:50 p.m. | Session: Omics approaches in mitochondrial biology Chairmen: David Macherel (Angers University, France), Michał Rurek (Adam Mickiewicz University in Poznań, Poland) |
| 11:15 a.m. – 11:40 a.m. | Harvey Millar (University of Western Australia, Australia) – “Protein turnover by progressive 15N labelling for analysis of plant mitochondrial biogenesis and maintenance” |



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| 11:40 a.m. – 12:00 p.m. | Stefanie Dukowic-Schulze (University of Minnesota, USA) – “Mitochondria connections in plant meiosis” |
| 12:00 p.m. – 12:20 p.m. | Helena Štorchová (Institute of Experimental Botany AS, Czech Republic) – “Ever changing mitochondrial genomes from a transcriptomic perspective” |
| 12:20 p.m. – 12:35 p.m. | Stefanie Mueller (Albert-Ludwigs-Universität Freiburg, Germany) – “Mitochondria and Plastids in Moss: From Quantitative Proteomics to Dynamics” |
| 12:35 p.m. – 12:50 p.m. | Zhang Ning (University of Missouri, USA) – “A Deep-Learning Method for Predicting Mitochondria-Localized Proteins in Plants” |
| 1:00 p.m. – 2:30 p.m. | Lunch |
| 3:00 p.m. – 4:05 p.m. | Session: Breakthrough technologies Chairmen: Philippe Giegé (IBMP-CNRS, France) |
| 3:00 p.m. – 3:25 p.m. | Elzbieta Glaser (Stockholm University, Sweden) – “Can plant research provide insight into Alzheimer’s disease?” |
| 3:25 p.m. – 3:50 p.m. | Ian Small (University of Western Australia, Australia) – “Potential uses of synthetic RNA binding proteins” |
| 3:50 p.m. – 4:05 p.m. | Catherine Colas des Francs-Small (University of Western Australia, Australia) – “Redesigning PPR proteins to block the expression of selected organelle genes” |
| 4:05 p.m. – 4:35 p.m. | Closing remarks & ICPMB 2017 |
| 4:05 p.m. – 4:25 p.m. | Ian Max Møller (Aarhus University, Denmark) |
| 4:25 p.m. – 4:35 p.m. | ICPMB 2017 |
| 6:30 p.m. | Departure to Miłocin Country Inn |

Friday, May 22nd

Breakfast

Departures and excursions after the Conference