

## Posters

- P1-01 ★ Plant MSH1 is key for mutation avoidance in plant mitochondrial genome  
**Alejandro Peñafiel-Ayala**, *Cinvestav*
- P1-02 Evolution of multiple male-sterility inducing mitochondria within *Beta vulgaris*  
**Tomohiko Kubo**, *Hokkaido University*
- P1-03 ★ Excision of 641 kb NUMT (Nuclear Mitochondrial DNA) in *Arabidopsis thaliana* chromosome 2  
**Rika Nakajima**, *Graduate School of Agricultural and Life Sciences, The University of Tokyo*
- P1-04 ★ Knocking out the *orf312* gene in the mitochondrial genome by mitoTALECD and its potential for restoring fertility in cytoplasmic male-sterile eggplant  
**Vi Hien Dinh**, *Faculty of Life Science, Kyoto Sangyo University*
- P1-05 ★ Chimeric mitochondria generated by *in vitro* fertilization drive phenotypic diversity in wheat  
**Rika Sugiura**, *Kyushu University*
- P1-06 ★ Single-organelle DNA-sequencing of chloroplasts and mitochondria in *Arabidopsis thaliana*  
**Xiang Zikai**, *Waseda University*
- P2-01 ★ Investigating the diversity and roles of mitochondrial respiratory supercomplexes in situ  
**Mariia Melnik**, *Biozentrum, University of Basel*
- P2-02 ★ Mitochondrial diversity and mitochondria inheritance in female gametophyte  
**Shekoufeh Ebrahimi Naghani**, *University of Bremen*
- P2-03 ★ Mitochondrial quality control in plants: links between mitophagy and the inner membrane proteases FTSH4 and OMA1  
**Kornel Michał Chrobok**, *University of Wrocław*
- P2-04 ★ Autophagy and mitochondrial dynamics in seed maturation: implications for seed trait formation and dormancy establishment  
**Keisuke Seta**, *Meiji University*
- P2-05 ★ Reassessment of Mitochondrial Morphology in Arabidopsis Mutants for Four Reported Mitochondrial Fission Factors  
**Masaru Hashimoto**, *Graduate School of Agricultural and Life Sciences, The University of Tokyo*
- P2-06 ★ Cellular investigation of membrane trafficking processes in mitochondria and plastids via stromules  
**Javier Garcia Varo**, *Karlsruhe Institute of Technology - AG Nick*
- P3-01 ★ A rapid and efficient *in planta* assay for the functional assessment of PPR RNA editing factors  
**Elena Lesch**, *University of Münster*

- P3-02 ★ Elucidating the transcriptional tasks of mitochondrial RNA polymerases  
**Leonora Peters**, *Martin-Luther University Halle-Wittenberg*
- P3-03 ★ Mitochondria & chill – The impact of cold stress on mitochondrial transcription and OXPHOS biogenesis  
**Michelle Marofke**, *MLU Halle-Wittenberg*
- P3-04 A novel putative nuclease appears to fine tune the chloroplast transcriptome  
**Mathilde Arrivé**, *IBMP - CNRS*
- P3-05 Mitochondrial RNA polymerases RPOTm and RPOTmp have diverging promoter preferences and target genes  
**Kristina Kühn**, *Martin Luther University Halle-Wittenberg*
- P3-06 Fine-tuning the PPR-DYW domain to direct RNA editing activity toward C-to-U or U-to-C conversion  
**Bernard Gutmann**, *Kyushu University*
- P3-07 Regulation of Plant Mitochondrial Gene Expression: Flexible Transcription Initiation and RNA Editosomes  
**Mizuki Takenaka**, *Kyoto University*
- P4-01 ★ Molecular analysis of the translation initiation step in plant mitochondria  
**Quentin Saint Marc**, *INRAE*
- P5-01 ★ A Proteomic Perspective on RNA editing in Plant Organelles  
**Matthias Döring**, *Leibniz University Hannover*
- P5-02 Protein:Protein Interactions in the Mitochondrial Compartment  
**Holger Eubel**, *Institute of Plant Genetics, Leibniz University Hannover*
- P6-01 ★ The role of mitochondrial dynamics in regulation of programmed cell death in Arabidopsis root development  
**Jan-Ole Peer Niemeier**, *University Münster*
- P6-02 ★ Investigating the functionality of LYR domain proteins in Arabidopsis thaliana  
**Benjamin Hearn-Thomas**, *University of Western Australia*
- P6-03 ★ Investigating the true nature of the Arabidopsis thaliana homolog of the mitochondrial protein CCDC90A  
**Alberto Tamborrino**, *Lund University*
- P6-04 Differentiating Biotic and Abiotic Yellowing in Citrus: A Comparative Transcriptional Analysis of Chloroplast and Mitochondrial Homeostasis  
**Yi-Ju Lu**, *National Taiwan University*
- P7-01 ★ Repurposing DNA-based Epigenetic Programming for Gene-Level Control of Mitochondrial Quality and Stress Adaptation in Plants  
**Venzil Lavie Dsouza**, *Kyoto University*
- P7-02 ★ The evolution and function of mitochondrial signalling in *Physcomitrium patens*  
**Vivian Schmitt**, *Lund University*

- P7-03 Unraveling plant stress responses via organelle communication, contact-site remodeling and retrograde signaling  
**Inge De Clercq**, *VIB-UGent Center for Plant Systems Biology*
- P8-01 Molecular genetics and mechanisms of cytoplasmic male sterility and fertility restoration in sugar beet *Beta vulgaris* L.).  
**Kazuyoshi Kitazaki**, *Research Faculty of Agriculture, Hokkaido University*
- P8-02 Comparison of the restoration mechanism for Tadukan-type cytoplasmic male sterility rice crossed with several restorer lines  
**Ayumu Takatsuka**, *Kyushu University*
- P8-03 ★ Deletion of *orf352* in Wild Abortive-type cytoplasmic male sterile rice restores pollen starch accumulation but not seed fertility  
**Hsu Yi Mon**, *Kyushu University*
- P8-04 ★ Cytoplasmic male sterility in barley: searching for the cause  
**Sarlita Dwiani**, *Martin Luther University, Halle-Wittenberg, Germany*
- P8-05 Organisational features of the fertility restorer locus *Rf1* in sunflower  
**Renate Horn**, *University of Rostock*
- P8-06 ★ Control of pollen production under changing environment conditions  
**Supriya Gupta**, *Martin Luther University Halle-Wittenberg*
- P8-07 ★ Non-GMO Programmable Control of Cytoplasmic Male Sterility in *Japonica* Rice Using SMART Transcription Factors  
**Lipsa Rani Nath**, *Institute of Cell Material Science, Kyoto University*
- P8-08 ★ Investigation of candidate CMS-causing genes regulated by the fertility restorer genes *PPR762* and *PPR782* in RT98-type CMS rice  
**Yutaka Narita**, *Graduate School of Agricultural Science, Tohoku University*
- P8-09 ★ Cytoplasmic Male Sterility and Fertility Restoration Associated with *Aegilops mutica* Cytoplasm in Wheat  
**Mai Tsujimura**, *Ryukoku University*
- P8-10 ★ Elucidation of a Novel Fertility Restorer Gene and Exploration of a Novel CMS-Causing Gene in Wild Abortive (WA) Type Cytoplasmic Male Sterile Rice  
**Atsuhiko Owada**, *Graduate School of Agricultural Science, Tohoku University*
- P8-11 ★ Attempt to identify fertility restorer genes for Taichung 65/*Oryza glaberrima* (TG)-type cytoplasmic male sterile rice  
**Mayu Oniki**, *Kyushu University*
- P8-12 Search for genes associated with fertility restoration in onions (*Allium cepa* L.)  
**Marek Pawel Szklarczyk**, *University of Agriculture in Krakow*
- P9-01 Thioredoxin system and photosystem I cyclic electron transport cooperatively protect the photosynthetic machinery from fluctuating light stress  
**Yuki Okegawa**, *Institute of Plant Science and Resources, Okayama University*

- P9-02      DPD1 exonuclease: its physiological roles and conservation in flowering and non-flowering plants  
**Tsuneaki Takami**, *Okayama University, Institute of Plant Science and Resources*
- P9-03 ★    Stable hybrid mitochondria from wheat and maize or pearl millet induces stable phenotypic variation in wheat cybrids  
**Kingsley Ikenna Ikpa-agodo**, *United Grad. Sch. of Agric. Sci., Tottori Univ.*
- P10-01     Mitochondria-selective gene carrier for plants using single-walled carbon nanotubes modified with plant-derived targeting peptides  
**Masaki Odahara**, *Kyoto University*
- P10-02 ★    Mitochondrial and peroxisomal flavin mononucleotide levels are modulated by organellar positioning in plants  
**Shintaro Ichikawa**, *Utsunomiya University*
- P10-03     Epigenome editing of the plant mitochondrial genome  
**Kenji Osabe**, *Okinawa Institute of Science and Technology*