

Poster Presentation

P01

“A Long Non-coding RNA Expressed in the Locus of *BONOBO*, a Master Regulator for Sexual Organ Development in *Marchantia polymorpha*”

Haonan Bao (Kyoto University, Japan)

P02

“Circadian Regulation of Growth and Development in *Marchantia polymorpha* via an Evolutionarily Conserved Evening Complex”

Anja Billhardt (Uppsala University, Sweden)

P03

“The roles of *ANGUSTIFOLIA* in thallus morphogenesis of *Marchantia polymorpha*”

Tomoyuki Furuya (The University of Tokyo, Japan)

P04

“Functional Analysis of miR319 In *Marchantia polymorpha*”

Kazutaka Futagami (The University of Tokyo, Japan)

P05

“The Ancient Transcription Factor *ZHOUI* Controls An Evolutionary Innovation In *Marchantia*”

Justin Goodrich (University of Edinburgh, UK) / Yen-ting Lu (Kyoto University, Japan)

P06

“The Analysis of RTFL Family Function on the Control of Rhizoid Development in *Marchantia polymorpha*”

Pin Guo (The University of Tokyo, Japan)

P07

“Distinct roles of the ROS-producing enzymes *MpRbohA* and *MpRbohB* in gametophyte development in *Marchantia*”

Kenji Hashimoto / Tomohiro Takagawa (Tokyo University of Science, Japan)

P08

“Local CLE Peptide Signaling in the *Marchantia polymorpha* Meristem”

Yuki Hirakawa (Gakushuin University, Japan)

P09

“A MYB Transcription Factor Controls Female Sexual Differentiation in *Marchantia polymorpha*”

Tetsuya Hisanaga (Nara Institute of Science and Technology, Japan)

P10

“*KARAPPO* Encoding *RopGEF* is Critical for the Gemma Initial Development in the Liverwort *Marchantia polymorpha*”

Takuma Hiwatashi (Kobe University, Japan)

P11

“Generating CRISPR/Cas9-mediated MiRNA knock-out mutants in *Marchantia polymorpha*”

Syuan-Fei Hong (National Taiwan University, Taiwan)

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“The Role of DNA Methylation in *Marchantia polymorpha*”

Yoko Ikeda (Okayama University, Japan)

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“Tissue Regeneration Is Associated with Temporal Changes in the Levels of Auxin and Gene Expression in *Marchantia polymorpha*”

Sakiko Ishida (Kyoto University, Japan)

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“Evolution of NADPH oxidase-mediated ROS production and its Ca²⁺-mediated regulation in green plants”

Takeru Itabashi (Tokyo University of Science, Japan)

P15

“Establishment of The Plant-Microbe Interaction Research in *Marchantia polymorpha*”

Hidekazu Iwakawa (Max Planck Institute for Plant Breeding Research, Germany)

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“Studies of Integrated Signaling Pathways for ABA and Osmotic Responses in Bryophytes”

Akida Jahan (Saitama University, Japan)

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“Understanding the functional role of tetraspanins during the polar growth and development in angiosperms and *Marchantia*”

Saúl Jiménez (Universidad Nacional Autónoma de México UNAM, México)

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“Biogenesis and Morphogenesis of the Oil Body”

Takehiko Kanazawa (National Institute for Basic Biology / SOKENDAI (Graduate University for Advanced Studies), Japan)

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“Functional Differences Between Ancient Subfamilies of Auxin Response Factors”

Hirota Kato (Wageningen University, the Netherlands)

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“Application of the CRISPR/Cas9 Genome Editing System for Generating Conditional-Knockout and Large-Deletion Mutants in *Marchantia polymorpha*”

Takahiro Kato (Kyoto University, Japan)

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“Phytochrome and Sugar Signal Mediate Light-Dependent Cell-Cycle Regulation at G₁/S Checkpoint”

Keita Kinose / Ryo Manabe (Kyoto University, Japan)

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“Metabolic Regulation by a Raf-Like Kinase That Is Involved in Photosynthesis Signaling in *Marchantia polymorpha*”

Eri Koide (Kyoto University, Japan)

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“Phototropin and Distinct NPH3/RPT2-Like Proteins Mediate Single-Cell- and Tissue-Level Phototropic Responses in the Liverwort *Marchantia polymorpha*”

Aino Komatsu (Kyoto University, Japan)

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“A gene encoding LRR-RLK is involved in OPDA signaling of *Marchantia polymorpha*”

Yuka Konishi (Hokkaido University, Japan)

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“Regulation and Biosynthesis of Phenolics in *Marchantia polymorpha*”

Hiroyoshi Kubo (Shinshu University, Japan)

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“*Marchantia polymorpha* ssp: Speciation, Hybridisation and Molecular Evolution”

Anna-Malin Linde (Uppsala University, Sweden)

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“Development of Two Gateway Binary Vector Series for The Assembly of Three DNA Fragments and Promoter Analysis in *Marchantia polymorpha*”

Shoji Mano (National Institute for Basic Biology / SOKENDAI (Graduate University for Advanced Studies), Japan)

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“Growth condition of *Marchantia polymorpha* affects number of oil body cells and amounts of secondary metabolites”

Kenji Matsui (Yamaguchi University, Japan)

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“Analysis of Air Chamber Development in *Marchantia polymorpha*”

Miya Mizutani (Kyoto University / Nagoya University, Japan)

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“Influence of Desiccation Treatment on Cryopreservation of *Marchantia polymorpha*”

Hitaka Mochizuki (Saitama University, Japan)

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“Characterization of *edal*, a novel *Marchantia polymorpha* mutant with ectopic branching protrusions in thallus”

Yuya Mori (Okayama University, Japan)

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“Microtubule-dependent directional growth of rhizoids in *Marchantia polymorpha*”
Hiroyasu Motose (Okayama University, Japan)

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“Molecular Characterization of Plasma Membrane H⁺-ATPase in *Marchantia polymorpha*”
Kotaro Nakane (Nagoya University, Japan)

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“Analysis of Autophagy during Spermiogenesis in *Marchantia polymorpha*”
Takuya Norizuki (The University of Tokyo / National Institute for Basic Biology, Japan)

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“A Long Non-coding RNA Module for Sex Differentiation in the Liverwort *Marchantia polymorpha*”
Keitaro Okahashi (Kyoto University, Japan)

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“Evolution of Pi-sensing along the plant kingdom”
Félix Rico-Resendiz (LANGEBIO-CINVESTAV / LANGEBIO-CINVESTAV, México)

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“Role of the sugar signal in environmental stress response in plants”
Kei Saito (Saitama University, Japan)

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“GTL1, a Trihelix Transcription Factor, is a Novel Repressor of Root Hair Growth”
Michitaro Shibata (RIKEN Center for Sustainable Resource Science, Japan)

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“Dynamics of ROS and Ca²⁺ in stress responses and development in *Marchantia*”
Hiroki Shindo (Tokyo University of Science, Japan)

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Haruka Shinkawa (Kyoto University, Japan)

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“Highly Efficient Genome Editing Vectors to Induce Targeted Mutagenesis and Long Deletions in *Marchantia polymorpha*”
Shigeo S. Sugano (Ritsumeikan University / JST, PRESTO, Japan)

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Rui Sun (Kyoto University, Japan)

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“The Sole Auxin Receptor Gene MpTIR1 Is Dispensable for Cell Survival but Required for Development in the Liverwort *Marchantia polymorpha*”

Hidemasa Suzuki (Kyoto University, Japan)

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“Development of the genome-wide gRNA design program which extracts gRNAs with reduced off targets in *Marchantia*”

Masato Tai (Ritsumeikan University, Japan)

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Daisuke Takezawa (Saitama University, Japan)

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Taisuke Togawa (Kindai University, Japan)

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Shoko Tsuboyama-Tanaka (Utsunomiya University, Japan)

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“*CpMinus1*, Mating-type Minus Genome Specific Gene of *Closterium peracerosum-strigosum-littorale* Complex, Promotes Mt⁻ Phenotype”

Natsumi Tsuyuki (Japan Women's University, Japan)

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“BONOBOs Are Evolutionarily Conserved Transcription Factors Required for Germ Cell Fate Determination in Land Plants”

Shohei Yamaoka (Kyoto University, Japan)

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“The CDF-GI-FKF Module Regulates Photoperiodic Growth-Phase Transition in the Liverwort *Marchantia polymorpha*”

Yoshihiro Yoshitake (Kyoto University, Japan)

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“Network analysis of a transcription factor in the liverwort, *Marchantia polymorpha*, provides insights into the evolution of gene regulatory networks

Haruka Arai (Tokyo University of Science, Japan)

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“Marpolbase: Construction of the *Marchantia Polymorpha* Genome Database”

Takako Mochizuki (National Institute of Genetics, Japan)

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“Genetic Map Construction with Low Depth Segregant Sequencing in *Chara braunii*”
Tomoaki Nishiyama (Kanazawa University, Japan)

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“The Significance Of The Strigolactone Pathway For Bryophytes”
Ruan de Villiers (National Institute for Basic Biology, Japan)

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“Histone Chaperon HIRAs Regulates Stem Cell Formation through Histone Modification on *SQUAMOSA PROMOTER BINDING PROTEINs*”
Yukiko Kabeya (National Institute for Basic Biology, Japan)

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“Histone Variant H3.3 Deposited by HIRA is Required for the Accumulation of H3K27me3 in the moss *Physcomitrella patens*”
Yosuke Tamada (National Institute for Basic Biology, Japan)

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“Canonical and non-canonical PIN proteins coordinate gametophore and protonema development in the moss *Physcomitrella patens*”
Tsuyoshi Aoyama (National Institute for Basic Biology, Japan)

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“Chromosome Level Genome Assembly of *Marchantia polymorpha*”
Bence Galik (Vienna Biocenter Core Facilities, Austria)