

Poster Presentation

P01

“Genetic resources of *Ipomoea nil* and related species”

Atsushi Hoshino (National Institute for Basic Biology, Japan)

P02

“Investigation of a novel molecule that affects pollen tube growth and orientation in *Torenia*”

Masahiro Kanaoka (Nagoya University, Japan)

P03

“The liverwort *Marchantia polymorpha* as a model for evolutionary and developmental biology”

Takayuki Kohchi (Kyoto University, Japan)

P04

“Genome analyses of Charophycean green algae”

Tomoaki Nishiyama (Kanazawa University, Japan)

P05

“A transposon suppressor *Dart-cancellar* in wild rice”

Kazuo Tsugane (National Institute for Basic Biology, Japan)

P06

“Diversity of root radial pattern in Brassicaceae”

Koichi Toyokura (Kobe University, Japan)

P07

“Chemical synthesis of Arabidopsis CLV3 glycopeptide reveals the impact of Hyp arabinosylation on peptide conformation and receptor interaction”

Hidefumi Shinohara (National Institute for Basic Biology, Japan)

P08

“*CL12* is involved in stem cell maintenance in the SAM and the RAM”

Atsuko Kinoshita (RIKEN Yokohama Institute, Japan)

P09

“Functional analysis of TDIF/CLE signaling in vascular plants”

Yuki Hirakawa (Monash University, Australia)

P10

“The secret relationships between ER and microtubules in Arabidopsis”

Takahiro Hamada (Kyoto University, Japan)

P11

“The mechanism of phragmoplast expansion in cytokinesis”

Takashi Murata (National Institute for Basic Biology, Japan)

P12

“Regulation of cell division planes by *SCARECROW* and *LATERAL SUPPRESSOR* in *Physcomitrella* leaves”

Rumiko Kofuji (Kanazawa University, Japan)

P13

“The cell cycle and its regulation by light in the liverwort *Marchantia polymorpha*”

Ryuichi Nishihama (Kyoto University, Japan)

P14

“Cell cycle re-entry during wound-induced callus formation”

Momoko Ikeuchi (Plant Science Center, RIKEN, Japan)

P15

“Cold Shock domain Protein function in reprogramming from differentiated cells to stem cells”

Chen Li (National Institute for Basic Biology, Japan)

P16

“Over-expressions of multiple transcription factors produce a shoot-like green organ in the root of *Arabidopsis*”

Shigeru Hanano (Kazusa DNA Research Institute, Japan)

P17

“*WOX13-like* genes are required for the initiation of apical stem cells from differentiated leaf cells in the moss *Physcomitrella patens*”

Keiko Sakakibara (Hiroshima University, Japan)

P18

“Transcriptional regulation of histone acetyltransferase *GCN5* and its associated factor *ADA2* by the *E2F* transcription factor during reprogramming”

Masaki Ishikawa (National Institute for Basic Biology, Japan)

P19

“*SPEECHLESS* integrates developmental, environmental and phytohormonal signals”

Archana Kumari (Osaka University, Japan)

P20

“Root nodule development in *Lotus japonicus* requires auxin response and positive and negative regulation of cortical cell division”

Takuya Suzaki (National Institute for Basic Biology, Japan)

P21

“Feedback mechanisms of early auxin response”

Masaaki Watahiki (Hokkaido University, Japan)

P22

“Decrease of ta-siRNA triggers reprogramming of *Physcomitrella* differentiated leaf cells to stem cells with auxin response factor accumulation”

Akitomo Nagashima (National Institute for Basic Biology, Japan)

P23

“Analysis of the regulatory network in the adaxial-middle-abaxial patterning of *Arabidopsis* leaf”

Miyuki Nakata (National Institute for Basic Biology, Japan)

P24

“Berberine affects the establishment of leaf adaxial-abaxial polarity in *asymmetric leaves1* and *asymmetric leaves2* of *Arabidopsis thaliana*”

Ayami Nakagawa (Chubu University, Japan)

P25

“The boundary between adaxial *PHB* expression and abaxial *FIL* expression domains shifts toward abaxial side during leaf development”

Toshiaki Tameshige (National Institute for Basic Biology, Japan)

P26

“Termination of ploidy-dependent cell growth is transcriptionally regulated through an active developmental mechanism during plant cell morphogenesis”

Christian Breuer (Plant Science Center, RIKEN, Japan)

P27

“The pitcher leaf development in *Sarracenia purpurea*”

Kenji Fukushima (National Institute for Basic Biology, Japan)

P28

“The NMR structure of stomagen reveals the basis of stomatal density regulation by plant peptide hormones”

Shinya Ohki (Japan Advanced Institute of Science and Technology, Japan)

P29

“Identification of downstream targets of *ASYMMETRIC LEAVES2* and *ELONGATA3* during leaf development in *Arabidopsis thaliana*”

Shoko Kojima (Chubu University, Japan)

P30

“A factor involved in the processing of ribosomal RNA and *ASYMMETRIC LEAVES2* are required for the establishment of the leaf polarity in *Arabidopsis thaliana*”

Yoko Matsumura (Nagoya University, Japan)

P31

“Epigenetic regulation of the *Auxin Response Factor3* gene by *ASI-AS2* in stabilization of leaf adaxial-abaxial partitioning in *Arabidopsis thaliana*”

Chiyoko Machida (Chubu University, Japan)

P32

“HIRA complex regulates H3K27me3 and transcription in the moss *Physcomitrella patens*”

Yosuke Tamada (National Institute for Basic Biology, Japan)

P33

“Discovery of novel rules for G-quadruplex-forming sequences in plants by classifying the positional relationships”

Hiro Takahashi (Chiba University, Japan)

P34

“SH3 domain-containing protein (SH3P) family molecules are involved in the root gravitropic response in Arabidopsis”

Mie Ichikawa (Kyoto Prefectural University, Japan)

P35

“Analysis of the ROS signaling that regulates root growth”

Kaho Mabuchi (Nagoya University, Japan)

P36

“Identification of novel regulators of root development using the natural variation of nutrient deficiency responses in Arabidopsis”

Santosh Satbhai (Gregor Mendel Institute of Molecular Plant Biology, Austria)

P37

“MMS21/HPY2 and SIZ1, two Arabidopsis SUMO E3 ligases, have distinct functions in development”

Takashi Ishida (Nara Institute of Science and Technology, Japan)

P38

“Developmental roles of early endosomal components in Arabidopsis”

Hirokazu Tanaka (Osaka University, Japan)

P39

“Roles of RESTRICTED SUCROSE EXPORT1 pectate lyase in phloem loading and secondary plasmodesmal biogenesis in the leaf vein of Arabidopsis source leaves”

Zhongrui Duan (Saitama University, Japan)

P40

“VASCULAR PLANT ONE-ZINC FINGER 1 and VOZ2 interacting with phyB regulate Arabidopsis flowering”

Yukiko Yasui (Kyoto University, Japan)

P41

“Function of *PSEUDO RESPONSE REGULATOR* in activation of Arabidopsis photoperiodic floral promoter, *CONSTANS*”

Ryosuke Hayama (Max Planck Institute for Plant Breeding Research, Germany)

P42

“An Arabidopsis Miro GTPase maintains mitochondrial morphology during pollen tube growth and embryogenesis”

Shohei Yamaoka (Kyoto University, Japan)

P43

“PEROXIDASE-mediated cell wall modification is required for seed coat mucilage extrusion in Arabidopsis”

Tadashi Kunieda (Tohoku University, Japan)

P44

“Identification of the transposon-tagged gene essential for chloroplast biogenesis”

Mika Hayashi-Tsugane (National Institute for Basic Biology, Japan)

P45

“MAIGO5 regulates protein export from the endoplasmic reticulum at Golgi-associated ER exit sites in Arabidopsis”

Junpei Takagi (Kyoto University, Japan)

P46

“ERMO3/MVP1/GOL36, a vacuolar protein with ubiquitous expression, is required for maintaining ER morphology only in the cells where ER bodies develop”

Ryohei Nakano (Kyoto University, Japan)

P47

“MAIGO2-containing tethering complex regulates the protein transport between ER and Golgi”

Tomoo Shimada (Kyoto University, Japan)

P48

“GREEN FLUORESCENT SEED12 of the BEACH family regulates vacuolar protein sorting together with two homologues: one functions positively and another functions negatively”

Ooi-kock Teh (Kyoto University, Japan)

P49

“Comparative characterization of 10 isozymes of *Arabidopsis thaliana* NADPH oxidase AtRbohA-J”

Ayako Iizuka (Tokyo University of Science, Japan)

P50

“Real-time monitoring of the intracellular ROS signal using a novel photoprotein”

Takuya Furuichi (Nagoya University, Japan)

P51

“Regulation of ROS-producing activity of NADPH oxidases by binding of Ca²⁺, phosphorylation and novel interacting proteins in Arabidopsis and rice”

Sachie Kimura (Tokyo University of Science, Japan)

P52

“New protein kinases for tyrosine phosphorylation in Arabidopsis”

Keiichirou Nemoto (Ehime University, Japan)

P53

“A bZIP transcription factor directly induces transcription of heat shock proteins with mediating a wounding signal”

Yukiko Kabeya (National Institute for Basic Biology, Japan)

P54

“A myosin on the nuclear envelope mediates nuclear migration”

Kentaro Tamura (Kyoto University, Japan)

P55

“Cell-free based E3 ligase protein array for analysis of Arabidopsis ubiquitination network”

Abdelaziz Ramadan (Ehime University, Japan)

P56

“Ca²⁺-dependent protein kinase (CPK) of potato controls PiP elicitor and the suppressor signals of Phytophthora infestans in hypersensitive cell death”

Naotaka Furuichi (Niigata University, Japan)

P57

“Nuclear positioning as an ultraviolet-avoidance system in plants”

Kosei Iwabuchi (Graduate School of Science, Kyoto University, Japan)

P58

“Transcriptional control of organ growth response to mannitol treatment”

Bart Rymen (RIKEN, Japan)

P59

“VASCULAR PLANT ONE-ZINC FINGER PROTEIN 1/2 transcription factors regulate abiotic and biotic stress responses in Arabidopsis”

Masa Sato (Kyoto Prefectural University, Japan)

P60

“An S-type anion channel SLAC1 is involved in cryptogein-induced Cl⁻ efflux and modulates immune responses and hypersensitive cell death in tobacco BY-2 cells”

Sonoko Horikoshi (Tokyo University of Science, Japan)

P61

“Molecular genetic analysis and gene cloning of *TOO MUCH LOVE*, a root regulator involved in the long-distance control of nodulation in a model legume *Lotus japonicus*”

Masahiro Takahara (The Graduate University for Advanced Studies, Japan)

P62

“Elicitor-induced defense responses involve inactivation of the plasma membrane H⁺-ATPase and cellular pH changes in tobacco and rice cultured cells”

Norihito Ito (Tokyo University of Science, Japan)

P63

“ESCRTing plant immunity - Endosomal sorting contributes to disease resistance in *Arabidopsis*”

Thomas Spallek (RIKEN, Japan)

P64

“Genetic regulatory mechanisms of rhizobial-infection process in *Lotus japonicus* root nodule symbiotic pathway”

Emiko Yoro (National Institute for Basic Biology, Japan)

P65

“Wee1 kinase of the moss *Physcomitrella patens*”

Katerina Bisova (Institute of Microbiology, ASCR, Czech Republic)

P66

“Molecular network of plant dedifferentiation”

Akira Iwase (RIKEN PSC, Japan)

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“Control of trichome and root-hair development by a tomato R3 MYB transcription factor”

Rumi Tominaga-Wada (University of Miyazaki, Japan)