

PROGRAM: ORAL PRESENTATION

Time	Room A	Room B	Room C	Room D	Room E
	Vegetative growth	Development/Differentiation	Cell wall	Light harvesting/Pigment	Environmental responses/Abiotic stresses (drought/water/osmotic pressure/other)
9:30	1aA01 Identification and characterization of key Enzymes involved in AGP biosynthesis. Mari Ogawa-Ohnishi, Tsuyoshi Kawamoto, Yoshikatsu Matsubayashi (Grad. Sch. Sci., Nagoya Univ.)	1aB01 Analysis of <i>washidukami</i> (<i>wad</i>) Mutant that Shows Pleiotropic Spikelet Phenotype in Rice Shigehiro Sugiyama ¹ , Wakana Tanaka ¹ , Taiyo Toriba ² , Hiro-Yuki Hirano ¹ (¹ Grad. Sch. Sci., Univ. Tokyo, ² NIBB)	1aC01 A comprehensive analysis of secondary cell wall formation-associated genes Satoshi Endo ¹ , Satoshi Naramoto ² , Noriko Inada ¹ , Chieko Saito ¹ , Hiroo Fukuda ¹ (¹ Grad. Sch. Sci., Univ. Tokyo, ² Grad. Sch. Life Sci., Tohoku Univ.)	1aD01 E High-resolution crystal structure of a Ca-bound LH1-RC complex Long-Jiang Yu ¹ , Michihiro Suga ¹ , Zheng-Yu Wang-Otomo ² , Jian-Ren Shen ¹ (¹ Grad. Sch. Nat. Sci., Okayama Univ., ² Fac. Sci., Ibaraki Univ.)	1aE01 Overexpression of AtABC25 Enhances the ABA Signal at Guard Cells and Improves the Plant Water Use Efficiency Takashi Kuromori ¹ , Miki Fujita, Eriko Sugimoto, Kazuo Shinzaki (CSRS, RIKEN)
9:45	1aA02 Functions of the <i>S4C51</i> family in the response to thermospermine in Arabidopsis Qingqing Cai, Hiroyasu Motose, Taku Takahashi (Grad. Sch. Nat. Sci. & Tech., Okayama Univ.)	1aB02 Analysis of a <i>floral organ number2</i> enhancer mutant in rice Chie Suzuki, Dai-Suke Sato, Wakana Tanaka, Hiro-Yuki Hirano (Grad. Sch. Sci., Univ. Tokyo)	1aC02 Analysis of ROP GTPase signal pathway regulating secondary cell wall patterning Yoshinobu Nagashima ^{1,2} , Hiroo Fukuda ¹ , Yoshihisa Oda ² (¹ Grad. Sch. Sci., Univ. Tokyo, ² Cent. Fro. Res., NIG)	1aD02 Spillover in intact megacomplexes composed of phycobilisome and both photosystems in cyanobacterial cells Yoshifumi Ueno ¹ , Shimpei Aikawa ² , Akihiko Kondo ² , Seiji Akimoto ^{1,3} (¹ Grad. Sch. Sci., Kobe Univ., ² Grad. Sch. Eng., Kobe Univ., ³ Molecular Photoscience Research Center, Kobe Univ.)	1aE02 Functional analysis of ABI3 in <i>Marchantia polymorpha</i> using gene targeting. Masakazu Kanei ¹ , Ryosuke Komatsu ¹ , Daisuke Onno ¹ , Hagiwara Yu ² , Kenji Komatsu ³ , Daisuke Takezawa ⁴ , Ryuichi Nishihama ⁵ , Kimitsune Ishizaki ⁶ , Takayuki Kohchi ⁷ , Teruaki Tajiri ⁸ , Takahisa Hayashi ⁹ , Yoichi Sakata ¹ (¹ Dept. Bioscience, Tokyo Univ. Agric., ² Grad. Sch. Sci. and Eng., ³ Dept. Bioproduction, Jr. College, Tokyo Univ. Agric., ⁴ Grad. Sch. Sci., Kobe Univ., ⁵ Grad. Sch. Biostudies, Kyoto Univ.)
10:00	1aA03 Characterization of novel suppressors of <i>ac15</i> , a thermospermine-deficient mutant in Arabidopsis Mai Yamamoto, Hiroyasu Motose, Taku Takahashi (Grad. Sch. Nat. Sci. & Tech., Okayama Univ.)	1aB03 Live-imaging Of Intracellular Dynamics During Zygote Polarization Yusuke Kimata ¹ , Daisuke Kurihara ^{1,2} , Yoshikatsu Sato ³ , Tetsuya Higashiyama ^{1,2,3} , Minako Ueda ^{1,3} (¹ Grad. Sch. Sci., Univ. Nagoya, ² JST, ERATO, Higashiyama Live-Holomics Project, Univ. Nagoya, ³ WPI, Institute of Transformative Bio-Molecules, Univ. Nagoya)	1aC03 Dehydrogenative polymerization of lignin monomers by plant peroxidases involved in lignification Jun Shigeto, Yuji Tsutsumi (Faculty of Agriculture, Kyushu University)	1aD03 Improving the photosynthetic production of isoprenoids in cyanobacteria Hiroshi Kiyota ¹ , Yukiko Okuda ¹ , Daisuke Umeno ² , Masami Yokota Hirai ¹ , Masahiko Ikeuchi ¹ (¹ Department of Life Sciences, The University of Tokyo, ² Department of Applied Chemistry and Biotechnology, Chiba University, ³ RIKEN, Center for Sustainable Resource Science)	1aE03 Functional Analysis of ABI5 ortholog genes in <i>Physcomitrella patens</i> Ken Fujisaki ¹ , Masashi Saruhashi ² , Kana Satou ³ , Shogo Oi ⁴ , Teruaki Tajiri ⁵ , Takahisa Hayashi ¹ , Youichi Sakata ¹ (¹ Department of BioScience, Tokyo University of Agriculture, ² Graduate School of Science and Engineering, Saitama University)
10:15	1aA04 Control of stem elongation by <i>FLOWERING LOCUS T</i> -like genes in rice Akiko Yoshida ^{1,2} , Hitoshi Sakakibara ² , Junko Kyoizuka ¹ (¹ Tohoku University, Graduate School of Life Sciences, ² RIKEN Center for Sustainable Resource Science, Plant Productivity Systems Research Group)	1aB04 Computer Simulation of Interactions Between Pollen Tubes and Ovules Takamasa Suzuki ^{1,2} , Yoko Mizuta ² , Tetsuya Higashiyama ^{2,3,4} (¹ Coll. Biosci. Biotech., Chubu Univ., ² ERATO Higashiyama, JST, ³ ITbM, Nagoya Univ., ⁴ Grad. Sch. Sci., Nagoya Univ.)	1aC04 Expression and localization analysis of plant peroxidases involved in lignification Yuji Tsutsumi ¹ , Kaori Ohira ² , Jun Shigeto ¹ , Masaaki Kamada ² (¹ Faculty of Agriculture, Kyushu University, ² Faculty of Agriculture, Kyushu University)	1aD04 Functional analysis of chlorophyllide <i>a</i> demethoxycarbonylase, BciC, working in chlorosomal pigment biosynthetic pathways of green sulfur bacteria Jiro Harada ¹ , Misato Teramura ² , Tadashi Mizoguchi ² , Ken Yamamoto ¹ , Hitoshi Tamiaki ² (¹ Dept. Med. Biochem., Kurume Univ. Sch. Med., ² Grad. Sch. Life Sci., Ritsumeikan Univ.)	1aE04 Regulation of abscisic acid, hyperosmotic, and cold responses associated with phosphorylation in Raf-like kinase ARK in <i>Physcomitrella patens</i> Yumiko Ishizaki ¹ , Masashi Saruhashi ¹ , Akari Noguchi ¹ , Kazuya Hagiwara ¹ , Yoichi Sakata ² , Taishi Umezawa ³ , Daisuke Takezawa ⁴ (¹ Grad. Sch. Sci. & Eng., Saitama Univ., ² Dep. BioSci., Tokyo Univ. Agr., ³ Grad. Sch. Bio. & Sys., Tokyo Univ. Agr. & Tec., ⁴ Dep. Reg. Bio., Saitama Univ.)
10:30	1aA05 A Small Chemical Affecting the Asymmetric Cell Fate Determination in Stomatal Development Yumiko Sakai ¹ , Shigeo S. Sugano ² , Tsuyoshi Nakagawa ¹ , Ikuko Hara-Nishimura ¹ , Tomoo Shimada ¹ (¹ Graduate School of Sci., Kyoto Univ., ² Tokushima Univ., ³ Shimane Univ.)	1aB05 Dual roles of MADS-box genes in fertilization of the moss <i>Physcomitrella patens</i> . Shizuka Koshimizu ^{1,2} , Naoki Aono ¹ , Yuko Sasaki-Sekimoto ¹ , Mie Shimojima ⁴ , Hiroyuki Ohta ⁵ , Shuji Shigenobu ^{2,5} , Takashi Murata ^{1,2} , Mitsuyasu Hasebe ^{1,2} (¹ Div. Evol. Biol., NIBB, ² Sch. Sci., SOKENDAI, ³ ELSI, Tokyo Tech, ⁴ Grad. Sch. Biosci. & Biotech., Tokyo Tech, ⁵ Func. Genomics Fac., NIBB)	1aC05 Enhancer mutant screening using the induction system of ectopic xylem vessel cell differentiation of Arabidopsis Risaku Hirai ¹ , Yuto Takenaka ¹ , Yuki Sakamoto ² , Junko Hasegawa ² , Sachihiko Matsunaga ^{1,2} , Misato Ohtani ^{1,3} , Taku Demura ^{1,3} (¹ Grad. Sch. Biol. Sci., NAIST, ² Dep. Appl. Biol. Sci., Fac. Sci. Technol., Tokyo Univ. Sci., ³ CSRS, RIKEN)	1aD05 Evolution of light-harvesting system in green plants Ryo Furukawa ¹ , Motoshi Kunugi ¹ , Kumio Ihara ¹ , Atsushi Takabayashi ^{1,2} , Ayumi Tanaka ^{1,2} (¹ Inst. Low Temp. Sci., Univ. Hokkaido, ² JST-CREST, ³ Center for Gene Research, Nagoya Univ.)	1aE05 Plasmodesmatal regulation through ABA signaling Takumi Tomoi ¹ , Munenori Kitagawa ² , Yoichi Sakata ¹ , Tomomichi Fujita ⁴ (¹ Grad. Sch. Life Sci., Hokkaido Univ., ² RIKEN CSRS, ³ Dept. of Biosci., Tokyo Univ. of Agric., ⁴ Fac. of Sci., Hokkaido Univ.)

Room F	Room G	Room H	Room I	Room X	Room Y	Room Z	Time
Primary metabolism (Nitrogen/Carbon) 1aF01 Molecular mechanism underlying regulation of the expression of a nitrate transporter gene <i>NRT2.1</i> in Arabidopsis <u>Yoshie Maeda</u>¹, Mineko Konishi¹, Tomohiro Kurai¹, Naoya Sawaki¹, Minami Sugimoto¹, Shuichi Yanagisawa (Biotechnology Research Center, Univ. Tokyo) 1aF02 Lack of cytosolic glutamine synthetase1;2 reduced the availability of glutamine and sucrose for axillary bud outgrowth in the rice seedling. <u>Miwa Ohashi</u>¹, Keiki Ishiyama¹, Miyako Kusano^{2,3}, Atsushi Fukushima³, Soichi Kojima¹, Tomoyuki Yamaya¹, Toshihiko Hayakawa¹ (¹Grad. Sch. Agr., Univ. Tohoku, ²Grad. Sch. Life and Environmental Sciences., Univ. Tsukuba, ³RIKEN, CSRS) 1aF03 Cytosolic glutamine synthetase 1;2 dependent ammonium assimilation in Arabidopsis <u>Noriyuki Konishi</u>^{1,2}, Keiki Ishiyama¹, Keiichi Kanno¹, Tomoyuki Yamaya², Soichi Kojima¹ (¹Grad. Sch. Agric., Tohoku Univ., ²IIARE., Tohoku Univ.) 1aF04 E A serine/threonine/tyrosine protein kinase, OsACTPK1, mediates down-modulation of the high-affinity ammonium uptake by rice roots under high ammonium supply <u>Marcel Pascal Beier</u>, Jin Ishizawa, Haruki Yoshida, Soichi Kojima, Toshihiko Hayakawa (Grad. Sch. of Agricultural Sci., Tohoku Univ.) 1aF05 A Protein Complex Regulates Glutamate Synthesis <u>Akihiro Niwata</u>¹, Atsushi Takabayashi^{1,2}, Ayumi Tanaka^{1,2} (¹Inst. Low Temp. Sci., Univ. Hokkaido, ²JST CREST)		Transcriptional and post-transcriptional regulation 1aH01 Evolution of sequence-specific anti-silencing by transposable elements <u>Raku Saito</u>^{1,2}, Kazuya Takashima¹, Tasuku Ito¹, Yoshiaki Tarutani^{1,2}, Tetsuji Kakutani^{1,2} (¹Divi. Agri., NIG, ²Dep. Genetics., SOKENDAI) 1aH02 Analysis of TARP mediated-siRNA biosynthesis in Arabidopsis <u>Michio Tsukada</u>¹, Masayuki Tsuzuki¹, Yoichiro Fukao¹, Yukio Kurihara¹, Minami Matsui¹, Kazuki Motomura¹, Kentaro Tamura¹, Ikuko Hara-Nishimura¹, Yuichiro Watanabe¹, Takahiro Hamada¹ (¹Grad. Sch. of Arts and Sci., Univ. of Tokyo, ²Coll. of Life Sci., Ritsumeikan Univ., ³CSRS, RIKEN, ⁴WPI-ITbM, Nagoya Univ., ⁵Grad. Sch. of Sci. Kyoto Univ.) 1aH03 E Stress-inducible, non-coding antisense RNAs are generated by an RDR-mediated RNA copying mechanism and function in the degradation of sense mRNAs <u>Akihiro Matsui</u>¹, Kei Iida², Maho Tanaka¹, Ri-ichiroh Manabe³, Katsushi Yamaguchi⁴, Kayoko Mizuhashi¹, Jong-Myong Kim¹, Norio Kobayashi⁵, Shuji Shigenobu¹, Kazuo Shinozaki¹, Tetsuro Toyoda⁶, Motoaki Seki^{1,7,8} (¹Plant Genomic Network Research Team, RIKEN CSRS, ²Graduate School of Medicine, Kyoto University, ³RIKEN Center for Life Science Technologies, ⁴NIBB Core Research Facilities, National Institute for Basic Biology, ⁵RIKEN ACCC, ⁶Gene Discovery Research Group, RIKEN CSRS, ⁷Kihara Institute for Biological Research, Yokohama City University, ⁸CREST, Japan Science and Technology) 1aH04 A novel sequence requirement for mRNA degradation via boron-dependent ribosome stalling at minimum upstream open reading frames in the 5' UTR of <i>NIP5;1</i> <u>Mayuki Tanaka</u>¹, Naoyuki Sotta¹, Kyoko Miwa², Yukako Chiba^{3,4}, Hitoshi Onouchi⁵, Satoshi Naito^{1,5}, Toru Fujiwara¹ (¹Grad. Sch. of Agri. Life Sci., Univ. Tokyo, ²Grad. Sch. of Env. Sci., Hokkaido Univ., ³Grad. Sch. of Life Sci., Hokkaido Univ., ⁴Fac. of Sci., Hokkaido Univ., ⁵Grad. Sch. of Agri., Hokkaido Univ.) 1aH05 Translational regulation of the Arabidopsis LONESOME HIGHWAY gene mediated by an upstream open reading frame-encoded peptide <u>Ohsumi Arisa</u>¹, Kimata Kaori¹, Umehara Shun-ichi², Toda Satoshi², Endo Yayoi², Ebina Isao³, Naito Satoshi^{1,3}, Onouchi Hitoshi¹ (¹Grad. Sch. of Agric., Hokkaido Univ., ²Fac. of Agric., Hokkaido Univ., ³Grad. Sch. of Life Sci., Hokkaido Univ.)	Organelles/Cytoskeletons 1aI01 Circadian Clock-dependent Intracellular Signaling in <i>Cyanidioschyzon merolae</i> <u>Takafumi Katano</u>¹, Kentaro Yukitake¹, Atsuko Era², Shin-ya Miyagishima², Gaku Fujii³, Sousuke Imamura³, Kan Tanaka³, Mitsumasa Hanaoka¹ (¹Grad. Sch. Horticult., Chiba Univ., ²Nat. Inst. Genet., ³Chem. Res. Lab., Tokyo Tech.) 1aI02 Analysis of CmHIK in the Chloroplast Light Response in <i>Cyanidioschyzon merolae</i> <u>Shunsuke Ogura</u>¹, Hiroyuki Ando¹, Daichi Satoh¹, Satoru Watanabe², Gaku Fujii³, Sousuke Imamura³, Kan Tanaka³, Masayuki Igarashi⁴, Ryutaro Utsumi⁵, Mitsumasa Hanaoka¹ (¹Grad. Sch. Horticult., Chiba Univ., ²Fac. Appl. Biosci., Tokyo Agr. Univ., ³Chem. Res. Lab., Tokyo Tech., ⁴Inst. Microb. Chem., ⁵Fac. Agr., Kinki Univ.) 1aI03 Chloroplast-to-nucleus Retrograde Light Signaling in <i>Cyanidioschyzon merolae</i> <u>Hikaru Oohara</u>¹, Hiroyuki Ando¹, Atsuko Era², Shin-ya Miyagishima², Masayuki Igarashi³, Ryutaro Utsumi⁴, Kan Tanaka⁵, Mitsumasa Hanaoka¹ (¹Grad. Sch. Horticult., Chiba Univ., ²Nat. Inst. Genet., ³Inst. Microb. Chem., ⁴Fac. Agr., Kinki Univ., ⁵Chem. Res. Lab., Tokyo Tech.) 1aI04 Studies of GUN1 plastid signaling <u>Nobuyoshi Mochizuki</u>¹, Kimitsune Ishizaki², Ryuichi Nishihama¹, Takayuki Kohchi³, Akira Nagatani¹ (¹Grad. Sch. Sci., Univ. Kyoto, ²Grad. Sch. Sci., Univ. Kobe, ³Grad. Sch. Biost., Univ. Kyoto) 1aI05 Importance of RFC3 function and plastid translation in root plastids <u>Miyuki T. Nakata</u>¹, Mayuko Sato², Mayumi Wakazaki², Nozomi Sato³, Toshiharu Shikanai¹, Kiminori Toyooka⁴, Hirokazu Tsukaya^{4,5}, Gorou Horiguchi^{1,6} (¹Res. Centr. Life Sci., Col. Sci., Rikkyo Univ., ²RIKEN CSRS, ³Grad. Sch. Sci., Kyoto Univ., ⁴Grad. Sch. Sci., Univ. Tokyo, ⁵OIIB NINS, ⁶Dep. Life Sci., Col. Sci., Rikkyo Univ.)	Symposium S01 Absciseic acid signaling: Beyond the discovery of PYR/PYL/RCAR (9:30–12:30)	Symposium S02 Multifaceted functions of plant-soil microbe symbioses and the molecular mechanisms (9:30–12:30)	Symposium S03 A variety of negative brakes on information encoded in nuclei (9:30–12:30)	9:30 9:45 10:00 10:15 10:30

E—Presentation in English

Time	Room A	Room B	Room C	Room D	Room E
	Vegetative growth	Development/Differentiation	Cell wall	Light harvesting/Pigment	Environmental responses/Abiotic stresses (drought/water/osmotic pressure/other)
10:45	1aA06 Development and function of modified stomata in anthers of <i>Arabidopsis</i> Mari Takeda ¹ , Yumiko Sakai, Yu Imai, Ikuko Hara-Nishimura, Tomoo Shimada (Grad. Sch. Sci., Kyoto Univ)	1aB06 Functional analysis of auxin transport, biosynthesis and signaling in root phototropism of <i>Arabidopsis</i> Taro Kimura ¹ , Ken Haga ² , Yasushi Shimizu-Mitao ³ , Yumiko Takebayashi ⁴ , Ken-ichiro Hayashi ⁵ , Zhao Yunde ⁶ , Tatsuo Kakimoto ³ , Hiroyuki Kasahara ⁴ , Tatsuya Sakai ¹ (¹ Grad. Sch. Sci. Tech., Univ. Niigata, ² Dept. Human Sci. Common Educ., Nippon Inst. Tech., ³ Grad. Sch. Sci., Univ. Osaka, ⁴ CSRS, Riken, ⁵ Dept. Biochem., Fac. Sci., Okayama Univ. Sci., ⁶ UCSD)	1aC06 Function of KONJAC proteins in the synthesis of GDP-mannose Toshihisa Kotake ^{1,2} , Shota Sawake ¹ , Noriaki Tajima ¹ , Jenny Mortimer ^{2,3} , Lao Jeemeng ³ , Toshiki Ishikawa ¹ , Xiaolan Yu ² , Yukiko Yamanashi ¹ , Yoshihisa Yoshimi ¹ , Maki Kawai-Yamada ¹ , Paul Dupree ² , Yoichi Tsumuraya ¹ (¹ Grad. Sch. Sci. & Eng., Saitama Univ., ² Dept. Biochem., Univ. Cambridge, ³ Joint Bioenergy Instit.)	1aD06 Is the iron-sulfur cluster biosynthesis protein SufB involved in chlorophyll synthesis and phytochrome signaling? Xueyun Hu ¹ , Mike T. Page ² , Ayumi Tanaka ^{1,3} , Matthew J. Terry ^{2,4} , Ryouichi Tanaka ^{1,3} (¹ Inst. Low Temp. Sci., Hokkaido Univ., ² Centre Biol Sci, Uni. Southampton, ³ CREST/JST, ⁴ Inst. Life Sci, Uni. Southampton)	1aE06 Identification of Acquired Osmotolerant mutants from <i>Arabidopsis thaliana</i> Col-0 Satoru Kunitake ¹ , Hirotaka Ariga ¹ , Satoshi Iuchi ² , Masatomo Kobayashi ² , Yoichi Sakata ¹ , Takahisa Hayashi ¹ , Teruaki Tajiri ¹ (¹ Department of Bioscience, Tokyo University of Agriculture, ² RIKEN, BRC)
11:00	1aA07 Genes Involved in Stem-Cell Homeostasis in <i>Arabidopsis</i> Ryuji Tsugeki, Shio Terada (Grad. Sch. Sci., Kyoto Univ.)	1aB07 Environmental Signals Regulate <i>in vitro</i> Vascular Development Kyoko Yamazaki, Yuki Kondo, Hiroo Fukuda (Grad. Sch. Sci., Univ. Tokyo)	1aC07 Transglycosylation on cellulosic polysaccharides by a member of the arabinosid xyloglucan- endotransglucosylase/hydrolase family Naoki Shinohara ¹ , Naoki Sunagawa ² , Satoru Tamura ³ , Ryusuke Yokoyama ¹ , Kiyohiko Igarashi ² , Minoru Ueda ³ , Kazuhiko Nishitani ¹ (¹ Grad. Sch. Life Sci. Tohoku Univ., ² Grad. Sch. Agric. Life Sci. Univ. Tokyo, ³ Grad. Sch. Sci. Tohoku Univ.)	1aD07 E Photosynthetic characteristics and chlorophyll-associated gene expression of variegated milky stripe fig (<i>Ficus microcarpa</i>) Tin-Han Shih ¹ , Meng-Yuan Huang ² , Szu-Hsien Lin ¹ , Chi-Ming Yang ¹ (¹ Biodiversity Research Center, Academia Sinica, Taiwan, ² Department of Horticulture and Biotechnology, Chinese Culture University, Taiwan)	1aE07 Functional analysis of the acquired osmotolerance defective, <i>aod1</i> mutant Yasutaka Saso ¹ , Hirotaka Ariga ¹ , Ryohei Yoshihara ² , Shigeki Nozawa ² , Yoshihiro Hase ² , Issay Narumi ² , Satoshi Iuchi ³ , Masatomo Kobayashi ³ , Yoichi Sakata ¹ , Takahisa Hayashi ¹ , Teruaki Tajiri ¹ (¹ Department of Bio Science, Tokyo University Of Agriculture, ² Ion beam Mutagenesis Research Group, Quantum Beam Science Directorate, ³ RIKEN Bio Resource Center)
11:15	1aA08 A negative feedback loop controlling LONESOME HIGHWAY-TSL1 is involved in vascular cell division and differentiation Kyoko Ohashi-Ito ¹ , Hirofumi Katayama ¹ , Kuninori Iwamoto ¹ , Yuka Kariya ² , Tomohiro Asakawa ² , Toshiyuki Kan ² , Hiroo Fukuda ¹ (¹ Grad. Sch. Sci., The Univ. of Tokyo, ² Sch. Pharm. Sci., Univ. of Shizuoka)	1aB08 E A novel factor regulating phloem differentiation identified in <i>Arabidopsis</i> Alif Meem Nurani, Yuki Kondo, Hiroo Fukuda (Graduate School of Science, The University of Tokyo)	1aC08 Co-expression of Xyloglucan 4-β-Glucosyltransferase (AtCSLC4) and 6-α-Xylosyltransferase (AtXXT1) in Poplar Rumi Kaida ¹ , Yurina Sakamoto ¹ , Tatsuya Isamu ¹ , Erina Sato ¹ , Ryota Yamazaki ¹ , Kei'ichi Baba ² , Shinya Nishio ³ , Koji Nishida ⁴ , Teruaki Tajiri ¹ , Yoichi Sakata ¹ , Takahisa Hayashi ¹ (¹ Tokyo Univ. of Agr., ² RISH, Kyoto Univ., ³ Dept. of civil Eng., Nihon Univ., ⁴ ICR, Kyoto Univ.)	1aD08 Analysis of the SGR Function in Chlorophyll Degradation Pathway Kaori Matsuda ¹ , Yousuke Shimoda ¹ , Hisashi Ito ^{2,3} , Ayumi Tanaka ^{1,2} (¹ Inst. Low Temp. Sci., Univ. Hokkaido, ² CREST JST)	1aE08 Physiological responses to "Fairy Ring"-Forming Compounds AHX and AOH in <i>Arabidopsis</i> Kotaro Iwamoto ¹ , Akiko Sakai ² , Chikako Fukazawa ¹ , Tomohiro Asakawa ¹ , Toshiyuki Kan ¹ , Jae-Hoon Choi ¹ , Hirokazu Kawagishi ^{2,4,5} , Reiko Motohashi ¹ (¹ Dep. bio., Grad. sch. agr., Shizuoka Univ., ² Res. ins. gre., Shizuoka Univ., ³ Sch. pha. sci., Univ. shizuoka, ⁴ Dep. app., Grad. sch. agr., Shizuoka Univ., ⁵ Grad. sch. sci., Shizuoka Univ.)
11:30	1aA09 Multiple mechanisms that control the activity of the epidermal transcription factor ATML1 Shinobu Takada, Nozomi Takada, Ayaka Yoshida, Hiroyuki Iida (Dept. Biol. Sci., Grad. Sch. Sci., Osaka Univ.)	1aB09 Functions of BES1 transcription factor in vascular cell differentiation Masato Saito, Yuki Kondo, Hiroo Fukuda (Grad. Sch. Sci., Univ. Tokyo)	1aC09 Occurrence of Xyloglucan in Poplars for Standing Stems as Land Plants Yurina Sakamoto ¹ , Rika Ohhira ¹ , Ryohei Arakawa ¹ , Mana Nagamine ¹ , Keisuke Tanaka ¹ , Akihiko Kameyama ¹ , Katsuro Yao ¹ , Rumi Kaida ¹ , Teruaki Tajiri ¹ , Yoichi Sakata ¹ , Takahisa Hayashi ¹ (¹ Dept. of Bio-Sci., Tokyo Univ. of Agr., ² NGRC, Tokyo Univ. of Agr., ³ BRIDD, AIST, ⁴ BPRI, AIST)	1aD09 A small subunit of photosystem II is required for LHCII degradation during leaf senescence Kaori Kohzuma ^{1,5} , Hisashi Ito ^{2,5} , Mai Watanabe ^{2,5} , Masahiko Ikeuchi ^{1,5} , Wataru Sakamoto ^{1,5} , Ayumi Tanaka ^{2,5} , Makoto Kusaba ^{1,5} (¹ Grad. Sch. Sci., Hiroshima Univ., ² Ins. Low Temp. Sci., Hokkaido Univ., ³ Grad. Sch. Art. Sci., Tokyo Univ., ⁴ Ins. Plant. Sci. Res., Okayama Univ., ⁵ CREST)	1aE09 Analysis of surface lipid layers generated by an aerial alga <i>Klebsormidium flaccidum</i> during land adaptation processes. Yuko Sasaki-Sekimoto ¹ , Satoshi Kondo ¹ , Koichi Hori ^{2,3} , Atsuko Kobayashi ¹ , Takeshi Nobusawa ¹ , Mie Shimajima ¹ , Hiroyuki Ohta ^{1,2,3} (¹ Earth-Life Science Institute, Tokyo Institute of Technology, ² Graduate School of Bioscience and Biotechnology, Tokyo Institute of Technology, ³ JST CREST)
11:45	1aA10 A functional study of small GTPases in early stages of organ formation Qimuge Hasi, Tatsuo Kakimoto (Grad. Sch. Sci., Univ. Osaka)	1aB10 Phenome screening of cytochrome P450 gene mutants Kensuke Kawade ^{1,2,3} , Yimeng Li ³ , Hirokazu Tsukaya ^{1,4} , Masami Hirai ³ (¹ OIIB, ² NIBB, ³ RIKEN CSRS, ⁴ Grad. School Sci., Univ. Tokyo)		1aD10 Chasing the Assembly Process of Photosynthetic Proteins in Greening Etiolated <i>Zea mays</i> Leaves Observed by Cryogenic Microspectroscopy Yutaka Shibata, Tomofumi Chiba, Hiroshi Fukumura (Department of Chemistry, Graduate School of Science, Tohoku University)	1aE10 E Identification of tissues responsible for MIZ1 and MIZ2/GNOM functions in hydrotropism and phototropism of <i>Arabidopsis</i> roots Lei Pang ¹ , Akie Kobayashi ¹ , Nobuharu Fujii ¹ , Tae-Woong Bae ¹ , Yutaka Miyazawa ¹ , Daniela Dietrich ³ , Malcolm J. Bennett ¹ , Hideyuki Takahashi ¹ (¹ Grad. Sch. Life Sci., Tohoku Univ., ² Fac. Sci., Yamagata Univ., ³ Sch. Biosci., Univ. Nottingham)

Room F	Room G	Room H	Room I	Room X	Room Y	Room Z	Time
Primary metabolism (Nitrogen/Carbon) 1aF06 The possible contribution of purine catabolism to nitrogen recycling and remobilization in Arabidopsis <u>Hiroshi Takagi</u>¹, Shunsuke Watanabe², Shoma Tanaka¹, Hiroshi Shimada¹, Atsushi Sakamoto¹ (¹Grad. Sch. Sci., Hiroshima Univ., ²CSRS, RIKEN) 1aF07 Effects of autophagy deficiency on nitrogen usage and growth under different nitrogen conditions in rice <u>Ryo Yokohama</u>, Shinya Wada, Keiichi Kanno, Soichi Kojima, Tomoyuki Yamaya, Amane Makino, Hiroyuki Ishida (Grad. Sch. Agr. Sci., Tohoku Univ.) 1aF08 Determination of substrate specificities of 3-phosphoglycerate dehydrogenase from Arabidopsis <u>Eiji Okamura</u>, Masami Yokota Hirai (RIKEN CSRS Metabolic Systems Research Team) 1aF09 Phosphoproteome analysis of carbon/nitrogen nutrient signal transduction in Arabidopsis plant <u>Takeo Sato</u>¹, Shoki Aoyama¹, Yuko Nomura², Hirofumi Nakagami², Shogo Ito³, Mitsumoto Abe⁴, Takato Imaizumi², Junji Yamaguchi¹ (¹Fac. Sci. and Grad. Sch. Life Sci., Hokkaido Univ., ²RIKEN CSRS, ³Dept. Botany, Grad. Sch. Sci., Kyoto Univ., ⁴Grad. Sch. Science, Univ. Tokyo, ⁵Dept. Biol., Univ. Washington) 1aF10 Membrane-localized ubiquitin ligase ATL31 functions in membrane traffic system to adapt to C/N-nutrient condition <u>Yoko Hasegawa</u>¹, Thais Huaranca Reyes¹, Tomohiro Uemura², Akihiko Nakano^{2,3}, Takeo Sato¹, Junji Yamaguchi¹ (¹Fac. Sci. and Grad. Sch. Life Sci., Hokkaido Univ., ²Grad. Sch. Sci., Univ. Tokyo, ³Live Cell Super-Resolution Imaging Research Team, RIKEN Center for Advanced Photonics)		Transcriptional and post-transcriptional regulation 1aH06 Exploration of Angiosperm uORFs Causing Nascent Peptide-mediated Ribosomal Arrest <u>Noriya Hayashi</u>¹, Hiro Takahashi², Satoshi Naito^{1,2}, Hitoshi Onouchi³ (¹Grad. Sch. Life Sci., Hokkaido Univ., ²Grad. Sch. Horticult., Chiba Univ., ³Grad. Sch. Agr., Hokkaido Univ.) 1aH07 Sequence feature of 5'UTR which determine translational state in plant <u>Shotaro Yamasaki</u>, Taku Demura, Ko Kato (Grad. Sch. Biol. Sci., NAIST) 1aH08 Roles of Ribosomal Exit Tunnel in Nascent Peptide-Mediated Translation Arrest of Arabidopsis <i>CGS1</i> mRNA <u>Seidai Takamatsu</u>¹, Yubun Ohashi², Yui Yamashita^{1,2}, Noriyuki Onoue¹, Hitoshi Onouchi², Satoshi Naito^{1,2} (¹Grad. Schl. Life Sci., Hokkaido Univ., ²Grad. Schl. Agr., Hokkaido Univ.) 1aH09 Poly(A) length determination by AtCCR4 is critical for the robust regulation of circadian clock <u>Yuya Suzuki</u>¹, Akiko Nagumo², Masami Yokota Hirai¹, McClung C. Robertson⁴, Pamela J. Green⁵, Junji Yamaguchi^{1,6}, Yukako Chiba^{1,6,7} (¹Grad. Schl. Life Sci., Hokkaido Univ., ²Schl. Sci., Hokkaido Univ., ³RIKEN CSRS, ⁴Dept. Biol. Sci., Dartmouth Coll., ⁵Delaware Biotech. Inst., Univ. Delaware, ⁶Fac. Sci., Hokkaido Univ., ⁷JST PRESTO)	Organelles/Cytoskeletons 1aI06 Remodeling of chloroplast nucleoid organization by eukaryotic components during the green plant evolution <u>Yusuke Kobayashi</u>¹, Mari Takusagawa^{1,6}, Naomi Harada¹, Yoichiro Fukao^{2,3}, Shohei Yamaoka³, Takayuki Kohchi³, Koichi Hori⁴, Hiroyuki Ohta^{4,5}, Toshiharu Shikanai¹, Yoshiki Nishimura¹ (¹Dept of Botany, Kyoto Univ., ²Plant Global, NAIST, ³Biostudies, Kyoto Univ., ⁴Bioscience and Biotechnology, Tokyo Tech, ⁵Earth-Life Science Institute, Tokyo Tech, ⁶Medicine, Yamaguchi Univ., ⁷Dept. of Bioinformatics, Ritsumeikan Univ.) 1aI07 Genome instability in the <i>Chlamydomonas</i> chloroplasts impaired in nucleoid segregation <u>Masaki Odahara</u>^{1,2}, Yusuke Kobayashi¹, Osami Misumi³, Yoshiki Nishimura¹ (¹Dept. Botany, Grad. Sch. Sci., Kyoto Univ., ²Dept. Life Sci., Col. Sci., Rikkyo Univ., ³Dept. Bio. Sci. Chem., Grad. Sch. Med., Yamaguchi Univ.) 1aI08 E Active destruction of mitochondrial nucleoid as the driving force for uniparental inheritance in <i>Cryptococcus</i>. <u>Yoshiki Nishimura</u>^{1,2}, Mari Takusagawa^{1,2}, Toshiharu Shikanai¹, Akio Toh-e¹ (¹Lab. of Plant Mol. Genet., Dep. of Bot., Kyoto Univ., ²Dep. of Biol. Chem., Grad. Sch. Med., Yamaguchi Univ., ³Med. Myc. Res. Centr., Chiba Univ.) 1aI09 Investigation of the actin organization on isolated chloroplasts from Arabidopsis thaliana <u>Suguru Kai</u>, Mami Morii, Shingo Takagi (Grad. Sch. Sci., Univ. Osaka) 1aI10 Autophagic transport of entire chloroplasts, chlorophagy, is responsible for the chloroplast turnover under sunlight-induced damage in Arabidopsis <u>Masanori Izumi</u>^{1,2}, Hiroyuki Ishida³, Sakuya Nakamura², Jun Hidema¹ (¹FRIS, Tohoku Univ., ²Grad. Sch. Life Sci, Tohoku Univ., ³Grad. Sch. Agri. Sci, Tohoku Univ.)	Symposium S01 Abscise acid signaling: Beyond the discovery of PYR/PYL/RCAR (9:30–12:30)	Symposium S02 Multifaceted functions of plant-soil microbe symbioses and the molecular mechanisms (9:30–12:30)	Symposium S03 A variety of negative brakes on information encoded in nuclei (9:30–12:30)	10:45
							11:00
							11:15
							11:30
							11:45

● Day 1 2016/03/18 (Fri) 9:30–12:30

Time	Room A	Room B	Room C	Room D	Room E
	Vegetative growth	Development/Differentiation	Cell wall	Light harvesting/Pigment	Environmental responses/Abiotic stresses (drought/water/osmotic pressure/other)
12:00	1aA11 A NIMA-related kinase regulates directional tip growth of rhizoid cells in <i>Marchantia polymorpha</i> Kento Otani¹, Kimitsune Ishizaki², Ryuichi Nishihama³, Takayuki Kohchi³, Taku Takahashi¹, Hiroyasu Motose¹ (¹Grad. Sch. Nat. Sci. & Tech., Okayama Univ., ²Grad. Sch. Sci., Kobe Univ., ³Grad. Sch. Biostudies, Kyoto Univ.)	1aB11 QTL analysis of leaf morphological traits in Japanese traditional leafy vegetables, Mizuna and Mibuna Yaichi Kawakatsu¹, Nakayama Hokuto^{1,2,3}, Kaori Kaminoyama¹, Kaori Igarashi⁴, Masaki Yasugi⁵, Hiroshi Kudoh⁶, Atsushi J. Nagano^{6,7,8}, Kentaro Yano⁴, Nakao Kubo⁹, Seisuke Kimura¹ (¹Fac. Life Sci., Kyoto Sangyo Univ., ²Japan Society for the Promotion of Science, ³University of California, Davis, ⁴Fac. Agri., Meiji Univ., ⁵National Institute for Basic Biology, ⁶Center for Ecological Research, Kyoto Univ., ⁷JST PRESTO, ⁸Fac. Agri., Ryukoku Univ., ⁹Grad. Sch. Life Environ. Sci., Kyoto Pref.)		1aD11 Grana-localized Proteins, RIQ1 and RIQ2, Optimize the Dynamics of Light Harvesting Complex II and Grana Stacking in <i>Arabidopsis</i> Ryo Yokoyama¹, Hiroshi Yamamoto¹, Maki Kondo², Satomi Takeda³, Kentaro Ifuku⁴, Yoichiro Fukao⁵, Yasuhiro Kamei², Mikio Nishimura², Toshiharu Shikanai¹ (¹Grad. Sch. Sci., Kyoto Univ., ²National Institute for Basic Biology, ³Grad. Sch. Sci., Osaka Prefecture Univ., ⁴Grad. Sch. Biostudies, Kyoto Univ., ⁵Dep. of Bioinfo., Ritsumeikan Univ.)	1aE11 Genetic analyses of gravitropism with <i>eal1</i> enhancer mutants Akiko Mori¹, Masatsugu Toyota², Mika Mekata³, Masayoshi Shimada³, Tetsuya Kurata⁴, Masao Tasaka³, Miyo Morita T.¹ (¹Grad. Sch. Bioagri. Sci., Univ. Nagoya, ²Dep. Bot., Univ. Wisconsin-Madison, ³Grad. Schl. Bio. Sci., NAIST, ⁴Grad. Sch. Life. Sci., Univ. Tohoku)
12:15	1aA12 Crucial roles of the ROS-producing enzymes, Rbohs, in development and morphogenesis of <i>Marchantia polymorpha</i> Kenji Hashimoto¹, Takashi Kimura¹, Shoji Yabuta¹, Toru Yamada¹, Hidataka Kaya¹, Nobutaka Kitahata^{1,2}, Kimitsune Ishizaki¹, Ryuichi Nishihama³, Takayuki Kohchi⁴, Kazuyuki Kuchitsu^{1,2} (¹Dept. of Appl. Biol. Sci., Tokyo Univ. of Science, ²Imaging Frontier Center, Tokyo Univ. of Science, ³Grad. Sch. of Sci., Kobe Univ., ⁴Grad. Sch. of Biostudies, Kyoto Univ.)			1aD12 Mn(II) depleted structure of the Mn₄CaO₅ cluster in photosystem II Erii Shimizu¹, Yuri Takeda¹, Keisuke Kawakami², Nobuo Kamiya^{1,2} (¹Grade. Sch. Sci., Univ. Osaka City, ²OCARINA, Univ. Osaka City)	1aE12 Reverse genetic approach to the molecular basis of leaf movements in the sensitive plant <i>Mimosa pudica</i> Hiroaki Mano¹, Masatsugu Toyota^{2,3}, Simon Gilroy², Mitsuyasu Hasebe^{1,4} (¹Div. Evol. Biol., NIBB, ²Dept. Bot., Univ. Wisconsin-Madison, ³PRESTO, JST, ⁴Sch. Sci., SOKENDAI)

Time	Room A	Room B	Room C	Room D
	Vegetative growth	Development/Differentiation	Cell wall	Photosystem
13:45	1pA01 The relationship between ploidy level and cell elongation in sun and shade leaf formation <u>Rina Hoshino</u>¹, Yuki Yoshida¹, Hirokazu Tsukaya² (¹Grad. Sch. Sci., Univ. Tokyo, ²OIIB NINS)	1pB01 Function of potato TFL1 homologs in the regulation of tuber formation <u>Ken-ichiro Taoka</u>^{1,2}, Kenta Takahashi², Ami Saito², Chin Jit Teo², Ko Shimamoto² (¹KIBR, YCU, ²Grad. Sch. Biol. Sci, NAIST)	1pC01 Identification Of Two Novel Genes For Cell Aggregation And Extracellular Cellulose Accumulation In a Thermophilic Cyanobacterium, <i>Thermosynechococcus vulcanus</i>. <u>Kaisei Maeda</u>¹, Yukiko Okuda¹, Rei Narikawa², Takafumi Midorikawa¹, Masahiko Ikeuchi¹ (¹Grad. Sch. Arts Sci., Univ. Tokyo, ²Grad. Sch. Sci., Shizuoka Univ.)	1pD01 Effect of amino acid substitutions at Arg-294 of D2 subunit on photosystem II activity in <i>Chlamydomonas reinhardtii</i> <u>Hiroshi Kuroda</u>^{1,2}, Mana Okamoto², Yuichiro Takahashi^{1,2} (¹Graduate School of Natural Science and Technology, Okayama University, ²Department of Biology, Faculty of Science, Okayama University, ³JST-CREST)
14:00	1pA02  Comparative Analysis of Patterning Gene Expression with Localized Cell Proliferation in <i>Juncus prismatocarpus</i> using a novel EdU Method <u>Xiaofeng Yin</u>¹, Takahiro Yamaguchi², Hirokazu Tsukaya³ (¹Department of Biological Sciences, Graduate School of Science, The University of Tokyo, ²ACEL, ³Okazaki Institute for Integrative Bioscience, National Institute of Natural Sciences)	1pB02 SNAC-As, stress-responsive NAC transcription factors, mediate ABA-inducible leaf senescence <u>Hironori Takasaki</u>^{1,2}, Kyonoshin Maruyama¹, Fuminori Takahashi², Miki Fujita², Takuya Yoshida¹, Kazuo Nakashima³, Fumiyoshi Myouga², Kiminori Toyooka², Kazuko Yamaguchi-Shinozaki¹, Kazuo Shinozaki² (¹Grad. Sch. Agr. Life Sci., Univ. Tokyo, ²Center for Sustainable Resource Science, RIKEN, ³Biol. Resources Post-harvest Div., JIRCAS)	1pC02 Functional analysis of hechtian strands on cell wall integrity sensing <u>Arata Yoneda</u>¹, Daisuke Katagiri², Yoichiro Hosokawa¹, Taku Demura¹ (¹Biosci., NAIST, ²Materials Sci., NAIST)	1pD02 The effects of amino acid substitutions of D1-Asp-61 on the function of the oxygen evolving Mn₂CaO₄ cluster <u>Kazuyo Ueda</u>¹, Hiroshi Kuroda^{1,2}, Natsumi Kodama², Yasuhiro Kashino¹, Yuichiro Takahashi^{1,2} (¹Graduate School of Natural Science and Technology, Okayama University, ²JST-CREST, ³Graduate School of Life Science, University of Hyogo)
14:15	1pA03 Leaf abaxialization in <i>rpl4 as2</i> mutants requires aberrant <i>rpl4</i> transcript accumulation, a RING finger protein gene <i>SKZ2</i>, and upregulation of a NAC transcription factor gene <i>SKZ1</i> <u>Gorou Horiguchi</u>^{1,2}, Mikito Inoue¹, Hidenori Masuda¹, Miyuki Nakata², Masahiro Takahara¹, Hirokazu Tsukaya^{3,4} (¹Dept. Life Sci., Coll. Sci., Rikkyo Univ., ²Res. Cent. Life Sci., Coll. Sci., Rikkyo Univ., ³Grad. Sch. Sci., Univ. Tokyo, ⁴Okazaki Inst. Integr. Biosci., NINS)	1pB03 Functional analysis of TRG2A protein which is involved in the development and/or maintenance of aleurone layer of Arabidopsis seed <u>Kazutaka Akahori</u>¹, Reo Sugiyama¹, Yuki Uchida¹, Yukinori Yoshino¹, Michio Sato¹, Kiminori Toyooka², Naoto Kawakami¹ (¹Department of Life Sciences, School of Agriculture, Meiji University, ²RIKEN, CSRS)	1pC03 Imaging analysis of cell wall regeneration in mesophyll protoplasts derived from <i>Arabidopsis thaliana</i>. <u>Hiroaki Kuki</u>¹, Takumi Higaki², Ryusuke Yokoyama¹, Seiichiro Hasegawa², Kazuhiko Nishitani¹ (¹Grad. Sch. Life sci., Univ. Tohoku, ²Grad. Sch. Frontier sci., Univ. Tokyo)	1pD03 The origin of the functional difference between Y_Z and Y_D in Photosystem II <u>Shin Nakamura</u>^{1,2}, Takumi Noguchi (Grad. Sch. Sci., Nagoya Univ.)
14:30	1pA04 Mobile Zn-finger transcription factor affects leaf growth in <i>Arabidopsis thaliana</i> <u>Tetsuya Kurata</u>^{1,2}, Ryosuke Sano², Taku Demura², Kazuhiko Nishitani¹ (¹Grad. Sch. Life Sci., Tohoku Univ., ²Grad. Sch. Biol. Sci., NAIST)	1pB04 Analysis of abscisic acid and gibberellin related genes in eelgrass (<i>Zostera marina</i>) <u>Shunsuke Tsubo</u>, Hajime Shiota (Grad. Sch. Nanobioscience., Univ. Yokohama City)	1pC04 A model of jigsaw puzzle pattern formation by plant leaf epidermal cell wall <u>Takumi Higaki</u>¹, Natsumaro Kutsuna^{1,3}, Kae Akita¹, Hisako Takigawa-Imamura², Kenji Yoshimura⁴, Seiichiro Hasegawa¹, Takashi Miura² (¹The Univ. Tokyo, GSFS, ²Kyushu Univ., GSMS, ³LPixel Inc., ⁴Osaka City General Hospital)	1pD04 Electronic structures of the reaction center chlorophylls modified by site-directed mutations at nearby amino acid residues in photosystem II <u>Ryo Nagao</u>, Motoki Yamaguchi, Tatsuya Mitomi, Takumi Noguchi (Grad. Sch. Sci., Nagoya Univ.)
14:45	1pA05 The multiple functions of <i>OsWOX4</i> for leaf development in <i>Oryza sativa</i> <u>Yukiko Yasui</u>¹, Yoshihiro Ohmori^{1,2}, Hiro-Yuki Hirano¹ (¹Grad. Sch. Sci., Univ. Tokyo, ²Grad. Sch. Agric. Life Sci., Univ. Tokyo)	1pB05 Doubled seed size and biomass by loss-of-function mutation in multiple organ gigantism (mog) gene <u>Ken Naito</u>¹, Kumi Hirano², Buppa Chaiteng³, Akito Kaga^{1,3}, Norihiko Tomooka¹ (¹NIAS Genetic Resource Center, ²Grad. Sch. Agr. Tokyo Univ. Agri., ³Grad. Sch. Agr. Ubonratchathani Univ.)	1pC05 Screening of new transcription factor regulating plant cell wall formation in a secondary cell wall-deficient Arabidopsis mutant <u>Shingo Sakamoto</u>, Nobutaka Mitsuda (Bioprod. Res. Inst., Natl. Inst. Adv. Ind. Sci. & Tech. (AIST))	1pD05 X-ray crystal structure and functional alteration of PsbZ-deleted photosystem II <u>Yuri Kitashita</u>¹, Kouhei Ueda¹, Keisuke Kawakami², Tomoyasu Noji², Yasufumi Umena³, Masako Iwai⁴, Masahiko Ikeuchi², Jian-Ren Shen⁵, Nobuo Kamiya^{1,2} (¹Graduate School of Science, Osaka City University, ²The OCU Advanced Research Institute for Natural Science & Technology, ³Graduate School of Natural Science and Technology, Okayama University, ⁴Graduate School of Bioscience and Biotechnology, Tokyo Institute of Technology, ⁵Graduate School of Arts and Science, The University of Tokyo)
15:00	1pA06 Mathematical analysis of the generation of orixate phyllotaxis and its relation to the auxin transport-based model <u>Takaaki Yonekura</u>, Munetaka Sugiyama (Botanical Gardens, Graduate School of Science, The University of Tokyo)	1pB06 Functional Analysis of Ribosome Biosynthesis-related NuGAP1/APUM24 Protein in Sugar Response <u>Shugo Maekawa</u>, Tetsuya Ishida, Shuichi Yanagisawa (Biotech. Res. Center, Univ. Tokyo)	1pC06 Abscission of the outermost cell layer of Arabidopsis root cap is controlled by modification of cell wall pectin <u>Kazuki Maeda</u>¹, Tadashi Kunieda², Haruko Ueda¹, Tomoo Shimada¹, Ikuko Hara-Nishimura¹ (¹Grad. Sch. Sci., Univ. Kyoto, ²Grad. Sch. Sci., Univ. British Columbia)	1pD06 Location of substrate water revealed by proton ENDOR using ammonia-binding Mn cluster in photosystem II <u>Hiyeoki Nagashima</u>, Hiroyuki Mino (Grad. Sch. Sci. Nagoya Univ.)

Room E	Room F	Room G	Room H	Room I	Room X	Room Y	Room Z	Time
Enviromental responses/Abiotic stresses (drought/water/osmotic pressure/other)	Primary metabolism (Carbon/Sugar/Lipid)		Plant-microbe interaction (Immunity 1)		Symposium S04 Harnessing Catalytic and Regulatory Diversity of Plant Metabolism (13:45 – 16:45)	Symposium S05 Challenge to the outdoor environment by the experimental plant physiology (13:45 – 16:45)	Symposium S06 “Metabolic Biochemistry” meets “Cell Biology” (13:45 – 16:45)	
1pE01 Target of rapamycin (TOR) plays a critical role in triacylglycerol accumulation in microalgae Sousuke Imamura ^{1,2} , Yasuko Kawase ¹ , Ikki Kobayashi ¹ , Toshiyuki Sone ¹ , Atsuko Era ^{2,3} , Shin-ya Miyagishima ^{2,3} , Mie Shimojima ⁴ , Hiroyuki Ohta ^{2,4,5} , Kan Tanaka ^{1,2} (¹ CRL, Tokyo Tech., ² CREST, JST, ³ Dept. Cell Genet., NIG, ⁴ Grad. Sch. Biosci. Biotechnol., Tokyo Tech., ⁵ ELSI, Tokyo Tech.)	1pF01 Trans-omics Analysis of the Central Metabolism of <i>Synechocystis</i> sp. PCC6803 Fumio Matsuda, Kiyoka Uebayashi, Natsuki Hiasa, Katsunori Yoshikawa, Hiroshi Shimizu (Osaka Univ. IST.)		1pH01 E Spatially distinct activation of antagonistic salicylate and jasmonate pathways shapes a plant immune field Shigeyuki Betsuyaku ¹ , Shinpei Katou ² , Yumiko Takebayashi ¹ , Hitoshi Sakakibara ³ , Hiroo Fukuda ⁴ (¹ JST PRESTO/Grad. Sch. Sci., Univ. Tokyo, ² Fac. Agr., Shinshu Univ., ³ RIKEN CSRS, ⁴ Grad. Sch. Sci., Univ. Tokyo)					13:45
1pE02 Overexpression of glycerol-3-phosphate acyltransferase improves TAG productivity in a unicellular red alga <i>Cyanidioschyzon merolae</i> Eri Hirasawa ¹ , Kan Tanaka ^{1,2} , Sousuke Imamura ^{1,2} (¹ CRL, Tokyo Tech., ² CREST, JST.)	1pF02 Characterization of Heterotrophic Growth in the Red Alga <i>Cyanidioschyzon merolae</i> Takashi Moriyama ^{1,2} , Naoki Sato ^{1,2} (¹ Grad. Sch. Arts and Sci, Univ. Tokyo, ² JST, CREST)		1pH02 Analysis of reciprocal regulation between salicylate- and abscisic acid-mediated transcription by NPR1 and SnRK2 Ryo Yoshimura ¹ , Mika Nomoto ¹ , Taishi Umezawa ² , Hironaka Tsukagoshi ^{1,3} , Yasuomi Tada ⁴ (¹ Grad. Sch. of Sci., Nagoya Univ., ² Grad. Sch. of BASE, Tokyo Univ. of Agri. and Technol., ³ PRESTO, JST, ⁴ Centr. for Gene Res., Nagoya Univ.)					14:00
1pE03 E Molecular and functional analyses of transcription factor involved in response to nitrogen stress Ji Min Shin ¹ , Chuan-Ming Yeh ¹ , Nobutaka Mitsuda ^{1,2} , Masaru Ohme-Takagi ^{1,2} (¹ Grad. Sch. Sci. & Eng., Saitama Univ., ² Bioprod. Res. Inst., Natl. Inst. Adv. Ind. Sci. & Technol. (AIST))	1pF03 Metabolism of ¹³ C-labeled lipid molecular species in vivo Naoki Sato ^{1,2} , Shota Shibasaki ¹ , Yozo Okazaki ¹ , Kazuki Saito ^{1,4} (¹ University of Tokyo, Graduate School of Arts and Sciences, ² JST, CREST, ³ RIKEN, Center for Sustainable Resource Science, ⁴ Chiba University, Graduate School of Pharmaceutical Sciences)		1pH03 E Identification of SA-signaling inhibitors and their target protein in Arabidopsis Seung-won Choi ¹ , Nobuaki Ishihama ¹ , Yoshiteru Noutoshi ² , Ivana Saska ¹ , Yuko Nomura ¹ , Hirofumi Nakagami ¹ , Yasumitsu Kondoh ¹ , Hiroyuki Osada ¹ , Ken Shirasu ¹ (¹ CSRS, RIKEN, ² Grad. Sch. Env. and Life Sci., Okayama Univ.)					14:15
1pE04 Discovery of a new lipid class which inducibly accumulates in Arabidopsis under phosphorus depleted conditions Yozo Okazaki ^{1,2} , Kouji Takano ¹ , Kazuki Saito ^{1,3} (¹ RIKEN CSRS, ² Kihara Inst., Yokohama City Univ., ³ Grad. School of Pharmaceutical Sciences, Chiba University)	1pF04 Analysis of Lipid Metabolism in Isolated Plastids in the Red Alga <i>Cyanidioschyzon merolae</i> Natsumi Mori ^{1,2} , Takashi Moriyama ^{1,2} , Masakazu Toyoshima ^{1,2} , Naoki Sato ^{1,2} (¹ Grad. Sch. Arts Sci., Univ. Tokyo, ² JST, CREST)		1pH04 E Identification and characterization of a revertant of the <i>dde2/ein2/pad4/sid2</i> -quadruple mutant, which exhibits resistance to <i>Pseudomonas syringae</i> pv. <i>tomato</i> DC3000 AvrRpt2 Shuta Asai ¹ , Jingni Wu ² , Kenichi Tsuda ² , Ken Shirasu ¹ (¹ CSRS, RIKEN, ² Max Planck Institute)					14:30
1pE05 Pharmacological study on stomatal response using membrane traffic inhibitors Sho Takahashi, Keina Monda, Juntaro Negi, Koh Iba (Dept. Biol., Fac. Sci., Kyushu Univ.)	1pF05 <i>Chlamydomonas TAG-Accumulation-Regulator-1 (TAR1)</i> Triggers Suppression of Photosynthesis and Accumulation of Lipid and Starch under Photoautotrophic and Nitrogen-Deficient Conditions Haruka Shinkawa ¹ , Masataka Kajikawa ¹ , Yuri Sawaragi ¹ , Takashi Yamano ¹ , Yu Kanesaki ² , Hirofumi Yoshikawa ² , Hideya Fukuzawa ¹ (¹ Grad. Sch. Biostudy, Univ. Kyoto, ² NGRC, Tokyo Univ. Agri.)		1pH05 E R protein Pit regulates disease resistance through activation of small GTPase OsRac1 by OsSPIKE1 Qiong Wang ¹ , Ko Shimamoto ² , Yoji Kawano ^{1,2} (¹ Shanghai Center for Plant Stress Biology, ² Nara Institute of Science and Technology)					14:45
1pE06 The transmembrane region of guard cell SLAC1 channels perceives CO ₂ signals via an ABA-independent pathway in <i>Arabidopsis</i> Yoshiko Yamamoto ¹ , Juntaro Negi ¹ , Cun Wang ² , Yasuhiro Isogai ³ , Julian Schroeder ⁴ , Koh Iba ¹ (¹ Dept. Biol., Fac. Sci., Kyushu Univ., ² Univ. California, San Diego, ³ Dept. Biotechnol., Fac. Eng., Toyama Pref. Univ.)	1pF06 Analysis for genes co-expressed with DGAT2, a TAG synthase in <i>Chlamydomonas reinhardtii</i> . Masako Iwai ^{1,2} , Kohta Asami ¹ , Mie Shimojima ¹ , Takeshi Obayashi ^{1,3} , Hiroyuki Ohta ^{1,2} (¹ Graduate School of Bioscience and Biotechnology, Tokyo Institute of Technology, ² JST CREST, ³ Graduate School of Information Sciences (GSIS), Tohoku University)		1pH06 E Small GTPase OsRac1-induced S-nitrosylation of GAPDH triggers disease resistance to rice blast fungus Ken-Ichi Kosami ^{1,2,3} , Jing Su ^{2,4} , Yoji Kawano ^{1,2} (¹ Signal transduction and Immunity Group, Shanghai Center for Plant Stress Biology, ² Laboratory of Plant Molecular Genetics, Grad. Dept. of Biological Science, NAIST, ³ Institute for Protein Research, Osaka University, ⁴ Plant Protection Research Institute, Guangdong Academy of Agricultural Sciences)					15:00

E—Presentation in English

● Day 1 2016/03/18 (Fri) 13:45–17:15

Time	Room A	Room B	Room C	Room D
	Vegetative growth	Development/Differentiation	Cell wall	Photosystem
15:15	1pA07 Comparative Transcriptome Analysis of Accessions in <i>Rorippa aquatica</i>, An Emerging Model of Heterophylly <u>Hokuto Nakayama</u>^{2,3}, Tomoaki Sakamoto^{1,4}, Yasunori Ichihashi⁵, Manabu Fujie⁶, Tetsuya Kurata^{4,7}, Neelima Sinha³, Seisuke Kimura¹ (¹Dept. of Bioresource and Environmental Sci., Kyoto Sangyo Univ., ²University of California, Davis, ³JSPS, ⁴Grad. Sch. Biol. Sci., NAIST, ⁵RIKEN CSRS, ⁶OIST SQC, ⁷Grad. Sch. Life Sci., Tohoku Univ.)	1pB07 LATE MERISTEM IDENTITY2 regulates cuticle formation in seed surface and promotes seed longevity <u>Yoshimi Oshima</u>¹, Takako Narumi², Yasuko Kaneko¹, Toshiki Ishikawa⁴, Maki Kawai¹, Masaru Ohme-Takagi^{1,5}, Nobutaka Mitsuda¹ (¹Bioprod. Res. Inst., Natl. Adv. Ind. Sci. & Tech. (AIST), ²Fac. Agr. Kagawa Univ., ³Fac. Educ., Saitama Univ., ⁴Grad. Sch. Sci & Eng., Saitama Univ., ⁵Inst. Envir. Sci. & Tech. (IEST), Saitama Univ.)	1pC07 Ubiquitin E3 Ligases FLY1 and FLY2 Redundantly Function in Mucilage Modification in <i>Arabidopsis</i> Seed Coat <u>Tadashi Kunieda</u>, George Haughn (Dept. Bot., UBC)	1pD07 Effects of Assembly Factor in Photosystem I Photoinhibition <u>Mai Watanabe</u>^{1,2}, Masako Matsumura¹, Hiroaki Yoshino¹, Yukiko Okuda^{1,2}, Masahiko Ikeuchi^{1,2} (¹Grad. Sch. Arts and Sci., Univ. Tokyo, ²JST CREST)
15:30	1pA08  Molecular Mechanisms that Determine Pericycle Cell Identity <u>Ye Zhang</u>¹, Nobutaka Mitsuda², Chuan-Ming Yeh², Takeshi Yoshizumi³, Yoichi Kondo³, Masaru Ohme-Takagi², Minami Matsui³, Tatsu Kakimoto¹ (¹Department of Biology, Graduate School of Science, Osaka University, ²National Institute of Advanced Industrial Science and Technology, ³Plant Science Center, RIKEN Yokohama Institute)	1pB08 Exploring cell-layer specific roles of boron transporters in <i>Arabidopsis</i> roots <u>Makiha Fukuda</u>¹, Akie Shimotohno², Naoyuki Sotta¹, Koji Kasai¹, Takehiro Kamiya¹, Toru Fujiwara¹ (¹Grad. Sch. Agri. Life Sci. Univ. Tokyo, ²Grad. Sch. Sci. Univ. Tokyo)	1pC08 Characterization of <i>Arabidopsis thaliana</i> mutants with reduced sensitivity to boron limitation <u>Akihiko Hiroguchi</u>, Kyoko Miwa (Grad. Sch. Environ. Sci., Hokkaido Univ.)	1pD08 Reconstitution of Photosystem I from Phyloquinone biosynthesis-disrupted mutant of <i>Thermosynechococcus elongatus</i>. <u>Hiroaki Yoshino</u>¹, Yasunori Inoue², Masahiko Ikeuchi¹ (¹Grad. Sch. art Sci., Univ. Tokyo, ²Grad. Sch. Sci. Tech., Tokyo Univ. Sci.)
15:45	1pA09 <i>TOLSI/MAKR4</i>, a direct downstream target of <i>LBD16</i>, promotes lateral root in <i>Arabidopsis</i> <u>Tatsuaki Goh</u>, Midori Yokoyama, Takeo Uehara, Koichi Toyokura, Tetsuro Mimura, Hidehiro Fukaki (Grad. Sch. Sci., Kobe Univ.)			1pD09 Purification of His-tagged PSI complex associating PsaN, PsaO, and LHCII by affinity chromatography <u>Kaori Yoshida</u>¹, Yuichiro Takahashi^{1,2} (¹The Graduate School of Natural Science and Technology, Okayama University, ²JST-CREST)
16:00	1pA10 Molecular basis of multiple-layered cortex formation in root <u>Koichi Toyokura</u>, Tetsuro Mimura, Hidehiro Fukaki (Grad. Sch. of Sci., Kobe Univ.)			1pD10 Formation of Complex between Photosystem I and Single-Walled Carbon Nanotubes for Photoelectric Conversion Device <u>Daisuke Niji</u>¹, Yuichiro Shimada², Akane Hosokawa³, Yosuke Nozawa¹, Masahiro Ito¹, Yoshikazu Homma¹, Shu Ikehira³, Mariko Miyachi¹, Yoshinori Yamanoi¹, Hiroshi Nishihara¹, Tatsuya Tomo¹ (¹Department of Physics, Tokyo University of Science, ²Department of Industrial Chemistry, Tokyo University of Science, ³Department of Chemistry, School of Science, The University of Tokyo)
16:15	1pA11  Haustorial hairs are the specialized root hairs that support parasitism in the facultative root parasitic plant, <i>Phtheirospermum japonicum</i> <u>Songkui Cui</u>¹, Kiminori Toyooka¹, Kei Hashimoto¹, Takanori Wakatake^{1,2}, Simon Saucet¹, Ken Shirasu^{1,2}, Satoko Yoshida¹ (¹Plant Immunity Research Group, CSRS, RIKEN, ²Graduate School of Science, The University of Tokyo)			1pD11 Model of Delayed Fluorescence in Second Time Range to Study Mode of Photosynthetic Electron Transport System. <u>Masakazu Katsumata</u>, Ayano Takeuchi, Yuko Kobayashi, Yukiko Sato (Hamamatsu Photonics K.K.)

Room E	Room F	Room G	Room H	Room I	Room X	Room Y	Room Z	Time
Environmental responses/Abiotic stresses (drought/water/osmotic pressure/other) 1pE07 A rate-limiting enzyme in phosphatidylethanolamine biosynthesis, PECT1, is involved in the stomatal movement in <i>Arabidopsis</i> <u>Juntaro Negi</u>¹, Makoto Okabe¹, Yuhei Ono¹, Natsumi Hoshino², Ikuro Nishida², Koh Iba¹ (¹Dept. Biol., Fac. Sci., Kyushu Univ., ²Grad. Sch. Sci. Eng., Saitama Univ.) 1pE08 Enhanced Stomatal Conductance by an <i>Arabidopsis</i> Tetraploid Ecotype, Me-0. Results from Increased Stomatal Size and Greater Stomatal Aperture <u>Keina Monda</u>¹, Hiromitsu Araki², Satoru Kuhara², Genki Ishigaki³, Ryo Akashi⁴, Juntaro Negi¹, Mikiko Kojima⁴, Hitoshi Sakakibara⁴, Sho Takahashi¹, Mimi Hashimoto-Sugimoto¹, Nobuharu Goto⁵, Koh Iba¹ (¹Dept. Biol., Fac. Sci., Univ. Kyushu, ²Dept. Biosci. Biotech., Fac. Agric., Univ. Kyushu, ³Dept. Anim. Grassl. Sci., Fac. Agric., Univ. Miyazaki, ⁴RIKEN CSRS, ⁵RIKEN BRC) 1pE09 Acetic acid excites novel gene network for drought tolerance in <i>Arabidopsis</i> <u>Jong-Myong Kim</u>^{1,2}, Taiko To³, Motoaki Seki^{1,2,4} (¹RIKEN CSRS, ²CREST JST, ³Univ. of Tokyo, Dept. of Biol. Sci., ⁴Yokohama City Univ. Kihara Inst. Biol. Res.) 1pE10 Improvement of growth of drought tolerant plants by gene stacking <u>Madoka Kudo</u>, Satoshi Kidokoro, Junya Mizoi, Daisuke Todaka, Kazuko Yamaguchi-Shinozaki (Grad. Sch. Agr. Life Sci., Univ. Tokyo) 1pE11 Functional Analysis of subclass I SnRK2s and their interactors in <i>Arabidopsis</i> <u>Fumiyuki Soma</u>¹, Junro Mogami¹, Takuya Yoshida¹, Midori Abekura¹, Fuminori Takahashi², Masahide Mizoguchi¹, Taishi Umezawa², Satoshi Kidokoro¹, Junya Mizoi¹, Kazuo Shinozaki², Kazuko Yamaguchi-Shinozaki¹ (¹Grad. Sch. Agr. Life Sci., Univ. Tokyo, ²Center for Sustainable Resource Science, RIKEN)	Primary metabolism (Carbon/Sugar/Lipid) 1pF07 Analysis of the biosynthetic pathway of oils in <i>Nannochloropsis</i> <u>Takashi Nobusawa</u>^{1,2}, Koichi Hori^{1,2}, Hiroshi Mori¹, Ken Kurokawa^{1,2,3}, Hiroyuki Ohta^{1,2,3} (¹Tokyo Tech., ²CREST, JST, ³ELSI, Tokyo Tech.) 1pF08 Functional analysis of anionic lipids with a sulfoquinovosyldiacylglycerol-deficient mutant of <i>Thermosynechococcus elongatus</i> BP-1 <u>Kaichiro Endo</u>¹, Koichi Kobayashi¹, Hajime Wada^{1,2} (¹Graduate School of Arts and Sciences, The University of Tokyo, ²JST, CREST) 1pF09 Specific roles and functional overlaps of thylakoid anionic lipids in <i>Arabidopsis</i> <u>Koichi Kobayashi</u>, Kaichiro Endo, Sho Fujii, Hajime Wada (Grad. Sch. Arts Sci., Univ. Tokyo) 1pF10 Monogalactosyldiacylglycerol synthesis in the dark contributes to etiolation and chloroplast differentiation of <i>Arabidopsis</i> <u>Sho Fujii</u>, Koichi Kobayashi, Tatsuru Masuda, Hajime Wada (Grad. Sch. Arts Sci., Univ. Tokyo) 1pF11 Accumulation of starch and lipids under sulfur starvation in <i>Chlorella</i> <u>Tomokazu Yamazaki</u>^{1,2}, Erika Kounosu¹, Kouhei Takeda¹, Tsuyoshi Takeshita¹, Aiko Hirata¹, Shuhei Ota^{1,2}, Yusuke Kazama¹, Tomoko Abe³, Shigeyuki Kawano^{1,2} (¹Grad. Sch. Front. Sci., Univ. Tokyo, ²JST, CREST, ³Nishina Cent., RIKEN)		Plant-microbe interaction (Immunity 1) 1pH07 ㊦ Phosphorylation and ubiquitination of the membrane-localized ubiquitin ligase ATL31 in plant immunity <u>Shigetaka Yasuda</u>¹, Yoko Hasegawa¹, Yasuhiro Kadota², Takeo Sato¹, Junji Yamaguchi¹ (¹Fac. Sci. and Grad. Sch. Life Sci., Hokkaido Univ., ²CSRS, RIKEN) 1pH08 Novel Immune System for Plants through AQUOS Activated by Osmotic Stress <u>Hirotaka Ariga</u>¹, Taku Katori¹, Takashi Tsuchimatsu², Kochan Leon³, Hoekenga Owen³, A. Gore Michael³, Yusuke Saijo³, Koornneef Maarten³, E. Parker Jane³, Mikiko Kojima⁴, Hitoshi Sakakibara⁴, Satoshi Iuchi⁵, Masatomo Kobayashi¹, Yoichi Sakata¹, Takahisa Hayashi¹, Teruaki Tajiri¹ (¹Dept. of Bioscience, Tokyo Univ. of Agriculture, ²Dept. of Life Science, Tokyo Univ., ³USDA-ARS, ⁴NAIST, ⁵Max Planck Institute, ⁶CSRS, RIKEN, ⁷BRC, RIKEN) 1pH09 ㊦ Evolutionary conservation and diversification of immune signaling networks in Brassicaceae Thomas M Winkelmuller, Shajahan Anver, <u>Kenichi Tsuda</u> (Max Planck Institute for Plant Breeding Research) 1pH10 ㊦ Volatile compounds emitted by the fungal phytopathogen <i>Alternaria alternata</i> promote plant growth and flowering through cytokinin action <u>Marouane Baslam</u>^{1,2,3}, Ángela María Sánchez-López², Nuria De Diego⁴, Francisco José Muñoz², Abdellatif Bahaji¹, Goizeder Almagro³, Adriana Ricarte-Bermejo³, Pablo García-Gómez³, Jun Li³, Jan F Humplik⁴, Ondrej Novak⁵, Spichal Lukáš⁴, Karel Dolezal¹, Edurne Baroja-Fernández³, Javier Pozueta-Romero³ (¹Dpt of Applied Biological Chemistry, Faculty of Agriculture, Niigata Univ. Niigata 950-2181, Japan, ²Grad. Sch. Sci. and Tech, Univ. Niigata, ³Inst. AgroBiotech, Navarra, Spain, ⁴Dpt. of Chem. Biol. and Gen., Centre of the Region Hana for Biotech. and Agri. Research, Faculty of Science, Palacky Univ., Olomouc, Czech Republic, ⁵Lab. of Growth Regulators, Centre of the Region Hana for Biotech. and Agri. Research, Faculty of Science, Palacky Univ. and Institute of Experimental Botany ASCR, Olomouc, Czech Republic)		Symposium S04 Harnessing Catalytic and Regulatory Diversity of Plant Metabolism (13:45 – 16:45)	Symposium S05 Challenge to the outdoor environment by the experimental plant physiology (13:45 – 16:45)	Symposium S06 "Metabolic Biochemistry" meets "Cell Biology" (13:45 – 16:45)	15:15 15:30 15:45 16:00 16:15

㊦=Presentation in English

● Day 1 2016/03/18 (Fri) 13:45–17:15

Time	Room A	Room B	Room C	Room D
	Vegetative growth	Development/Differentiation	Cell wall	Photosystem
16:30				1pD12 Functional analysis of new chloroplast proteins using delayed fluorescence in <i>Arabidopsis</i> <u>Reiko Motohashi</u>¹, Akiko Sakai¹, Chikako Fukazawa¹, Fumiyoshi Myouga², Kazuo Shinozaki², Ayano Takeuchi³, Masakazu Katsumata³ (¹Grad. Agr., Univ. Shizuoka, ²CSRS, Riken., ³Hamamatsu Co., Ltd.)
16:45				1pD13 Nondestructive evaluation of photosynthesis by delayed luminescence in <i>Arabidopsis</i> in Petri dishes <u>Hirokazu Kobayashi</u>¹, Paweena Chuenwarin¹, Azumi Shimazaki¹, Masanori Shimizu², Yuko Kobayashi³, Masakazu Katsumata³ (¹Univ. Shizuoka, ²Tokoha Univ., ³Hamamatsu Photonics)
17:00				

Room E	Room F	Room G	Room H	Room I	Room X	Room Y	Room Z	Time
Environmental responses/Abiotic stresses (drought/water/osmotic pressure/other) 1pE12 Comparative physiological, metabolomic and transcriptomic analyses of rice seedlings grown under different levels of drought stress conditions Daisuke Todaka¹, Yu Zhao¹, Takuya Yoshida^{1,2}, Madoka Kudo¹, Fernie Alisdair R.², Kazuo Shinozaki¹, Kazuko Yamaguchi-Shinozaki¹ (¹Grad. Sch. Agr. Life Sci., Univ. Tokyo, ²Max-Planck-Institut, Germany, ³Center for Sustainable Resource Science, RIKEN) 1pE13 Analysis of transcriptional regulation of Arabidopsis <i>PIF4</i> in response to abiotic stresses Satoshi Kidokoro¹, Jin-Seok Moon¹, Youhei Ariga¹, Daisuke Todaka¹, Sayuri Igusa¹, Junya Mizoi¹, Kazuo Shinozaki¹, Kazuko Yamaguchi-Shinozaki¹ (¹Grad. Sch. Agr. Life Sci., Univ. Tokyo, ²Center for Sustainable Resource Science, RIKEN) 1pE14 Functional analysis of the Soybean bZIP transcription factor GmAREB2 in response to abiotic stress Naoki Masuda¹, Satoshi Kidokoro¹, Kensuke Kodaira¹, Sachiko Sekita¹, Yoshifumi Tsukiori¹, Yasunari Fujita^{3,4}, Junya Mizoi¹, Kazuo Shinozaki¹, Kazuko Yamaguchi-Shinozaki¹ (¹Grad. Sch. Agr. Life Sci., Univ. Tokyo, ²Center for Sustainable Resource Science, RIKEN, ³Biol. Resources Post-harvest Div., JIRCAS, ⁴Grad. Sch. Life Env Sci., Univ. Tsukuba)	Primary metabolism (Carbon/Sugar/Lipid) 1pF12 Starch and lipid accumulation in eight strains of six <i>Chlorella</i> species under laboratory and large scale outdoor culture systems Tsuyoshi Takeshita¹, Shuhei Ota^{1,2}, Tomokazu Yamazaki^{1,2}, Shigeyuki Kawano^{1,2} (¹Grad. Sch. Front. Sci., Univ. Tokyo, ²JST CREST)		Plant-microbe interaction (Immunity 1)		Symposium S04 Harnessing Catalytic and Regulatory Diversity of Plant Metabolism (13:45–16:45)	Symposium S05 Challenge to the outdoor environment by the experimental plant physiology (13:45–16:45)	Symposium S06 “Metabolic Biochemistry” meets “Cell Biology” (13:45–16:45)	16:30 16:45 17:00

Time	Room A	Room B	Room C	Room D	Room E
	Plant hormones/ Signaling molecules	Photoreceptors/ Photoresponses	Biomembrane/ Ion and solute transport	Environmental response of photosynthesis and respiration	Enviromental responses/ Abiotic stresses (temperature)
9:00	2aA01 Analysis of primitive auxin response in a Charophyte alga, <i>Klebsormidium flaccidum</i> <u>Kinuka Ohtaka</u> ¹ , Koichi Hori ^{1,2} , Hiroyuki Ohta ^{1,2,3} (Tokyo Tech, Grad Sch Biosci & Biotech, ² JST, CREST, ³ Tokyo Tech, Earth-Life Science Institute)	2aB01 Phosphoproteomic analysis of phototropin kinase signaling in the liverwort <i>Marchantia polymorpha</i> Mika Terai ¹ , Noriyuki Suetsugu ¹ , Aino Komatsu ¹ , Ryuichi Nishihama ¹ , Izumi Yotsui ² , Hirofumi Nakagami ² , Takayuki Kohchi ¹ (Graduate School of Biostudies, Kyoto University, ² Plant Proteomics Research Unit, RIKEN Center for Sustainable Resource Science)	2aC01 Lipidation Of Arabidopsis CPK Mediate The Plasma Membrane Targeting And The Activation Of The Membrane Transport System <u>Shunya Saito</u> ¹ , Shin Hamamoto ¹ , Toshihiko Utsumi ² , Koko Moriya ² , Aiko Matsuura ³ , Yoko Sato ¹ , Hiroto Noguchi ¹ , Yuzuru Towaza ⁴ , Seiji Yamauchi ⁴ , Kenji Hashimoto ⁴ , Jörg Kudla ⁴ , Nobuyuki Uozumi ¹ (Grad. Sch. Eng., Univ. Tohoku, ² Grad. Sch. Med. Yamaguchi Univ., ³ Sch. Bioagr., Univ. Nagoya, ⁴ Cell-Free Sci. Tech. Res. Center, Univ. Ehime, ⁵ Inst. Biol. Biotech., Univ. Munster)	2aD01 Characterization of post-illumination transient O ₂ -uptake in intact leaves of higher plants <u>Hitomi Hanawa</u> ¹ , Takehiro Sejima ¹ , Ginga Shimakawa ¹ , Eriko Yamamoto ¹ , Daisuke Takagi ¹ , Hiroshi Fukayama ¹ , Yuji Suzuki ² , Amame Makino ² , Chikahiro Miyake ¹ (Grad. Agri., Univ. Kobe, ² Grad. Agri., Univ. Tohoku)	2aE01 The role of SnRK2 in cold acclimation of the moss <i>Physcomitrella patens</i> <u>Akihisa Shinozawa</u> ¹ , Ryoko Ohtake ¹ , Kenji Komatsu ² , Naoto Tanaka ³ , Daisuke Takezawa ⁴ , Teruaki Taji ¹ , Takahisa Hayashi ¹ , Yoichi Sakata ¹ (Dept Bioscience, Tokyo Univ. Agric., ² Dept. Bioproduction Tech., Junior College of Tokyo Univ. Agric., ³ Genome Research Center, NODAI Research Institute, Tokyo University of Agriculture, ⁴ Grad. Sch. Sci and Eng., Univ. Saitama.)
9:15	2aA02 Pleiotropic roles of a single-copy auxin receptor gene <i>MpTIR1</i> in plant development of the liverwort <i>Marchantia polymorpha</i> <u>Hidemasa Suzuki</u> , Hirotaka Kato, Shohei Yamaoka, Ryuichi Nishihama, Takayuki Kohchi (Grad. Sch. Biostudies., Kyoto Univ.)	2aB02 Analysis of Downstream Factors of Phototropin in Blue-light-dependent Dorsoventral Patterning of <i>Marchantia polymorpha</i> <u>Aino Komatsu</u> ¹ , Yukiko Ashihara ¹ , Mika Terai ¹ , Noriyuki Suetsugu ¹ , Ryuichi Nishihama ¹ , Kimitsune Ishizaki ² , Takayuki Kohchi ¹ (Grad. Sch. of Biostudies, Kyoto Univ., ² Grad. Sch. of Science, Kobe Univ.)	2aC02 B Intracellular localization and function of the CNGCs and the ABC transporter responsible for salt-tolerance in <i>Arabidopsis</i> <u>Zhengfei Ye</u> ¹ , Aftab Ahmad ¹ , Yasuo Niwa ¹ , Hisayoshi Hayashi ¹ , Masanori Shimizu ² , Hirokazu Kobayashi ¹ (Univ. Shizuoka, ² Tokoha Univ.)	2aD02 Diversity of the Response of Photosynthetic Electron Transport to Low-[CO ₂]: O ₂ Uses and the Use-nots <u>Ginga Shimakawa</u> ¹ , Ayumi Wada ¹ , Keiichiro Shaku ¹ , Seiji Akimoto ² , Yoshifumi Ueno ² , Yusuke Matsuda ³ , Kensuke Nakajima ³ , Yuichiro Takahashi ¹ , Chikahiro Miyake ¹ (Grad. Sch. Agri. Sci., Univ. Kobe, ² Grad. Sch. Sci., Univ. Kobe, ³ Grad. Sch. Sci. Technol., Univ. Kwansei Gakuin, ⁴ Grad. Sch. Natl. Sci. Technol., Univ. Okayama)	2aE02 Calcium Signaling is Temperature-Dependently Involved in the Regulation of a Cold Responsive Gene <u>Hayato Hiraki</u> ¹ , Yoko Tominaga ² , Matsu Uemura ^{1,2} , Yukio Kawamura ^{1,2} (Grad. Sch. Agr., Univ. Iwate, ² CRC, Agr. Univ. Iwate)
9:30	2aA03 B Analysis of a global planar polarity acquisition process in plant leaf epidermis <u>Shingo Nagawa</u> ^{1,2} , Hongjiang Li ² , Jian Liang ¹ , Tongda Xu ^{1,2} , Zhenbiao Yang ² (Shanghai Center for Plant Stress Biology, CAS, ² University of California, Riverside)	2aB03 Plasma Membrane H ⁺ -ATPase is Involved in Phototropin-mediated Chloroplast Avoidance Response in <i>Marchantia polymorpha</i> <u>Yuta Fujii</u> ^{1,2} , Toshinori Kinoshita ³ , Yoichiro Fukao ⁴ , Yutaka Kodama ^{1,2} (Ctr. Biosci. Res. & Edu., Utsunomiya Univ., ² Grad. Sch. Agric., Utsunomiya Univ., ³ Grad. Sch. Sci., Nagoya Univ., ⁴ Dept. Bioinf., Ritsumeikan Univ.)	2aC03 High-affinity urea transporter DUR3 is involved in rice productivity under nitrogen deficient condition <u>Takayuki Fujita</u> ¹ , Kazuhiro Sasaki ² , Keiichi Kanno ¹ , Tomoyuki Yamaya ¹ , Soichi Kojima ¹ (Grad. Sch. Agr., Univ. Tohoku, ² Grad. Sch. Agr. Life Sci., Univ. Tokyo)	2aD03 Light stimulated O ₂ -uptake rate in the dark, not coupled with photosynthetic CO ₂ -assimilation in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803 <u>Ayaka Kohara</u> , Ginga Shimakawa, Chikahiro Miyake (Grad. Sch. Agri., Univ. Kobe)	2aE03 Freezing behaviors in wintering <i>Cornus florida</i> flower bud tissues revisited using MRI <u>Masaya Ishikawa</u> ¹ , Hiroyuki Ide ³ , Hideyuki Yamazaki ¹ , Hiroki Murakawa ² , Kazuyuki Kuchitsu ² , William Price ² , Yoji Arata ¹ (Nat Inst Agrobiol Sci, ² Sci Tech, Tokyo Univ Sci, ³ Water Res Inst, ⁴ Univ West Sydney)
9:45	2aA04 Auxin and brassinosteroid signaling crosstalk occurs via an AP2 and GRAS protein interaction in rice. Ko Hirano ¹ , Koichiro Aya ¹ , <u>Hideki Yoshida</u> ¹ , Mayuko Kawamura ¹ , Tokunori Hobo ¹ , Kumiko Furukawa ¹ , Makoto Hayashi ¹ , Kanna Sato-Izawa ¹ , Hidemi Kitano ¹ , Miyako Ueguchi-Tanaka ¹ , Makoto Matsuoka ¹ (BBC, Nagoya Univ., ² Grad. Sch. Life Env. Sci., Tsukuba Univ.)	2aB04 Intracellular Localization Pattern of Phototropin in the Liverwort <i>Marchantia polymorpha</i> <u>Shun Kimura</u> ^{1,2} , Yutaka Kodama ¹ (Ctr. Biosci. Res. & Edu., Utsunomiya Univ., ² Grad. Sch. Agric., Utsunomiya Univ.)	2aC04 Functional analysis of Arabidopsis polyamine transporters in abiotic stress response <u>Miki Fujita</u> ¹ , Yasunori Fujita ^{2,3} , Kazuo Shinozaki ¹ (RIKEN CSRS, ² Biol. Resources Post-harvest Div., JIRCAS, ³ Grad. Sch. Life Environ. Sci., Univ. Tsukuba)	2aD04 B Synergistic Effects of Iron Superoxide Dismutase and Catalase on the Protection of Photosynthesis to Strong Light in <i>Synechococcus elongatus</i> PCC 7942 <u>Penporn Sae-Tang</u> , Yoshitaka Nishiyama (Grad. Sch. Sci. Eng., Saitama Univ.)	2aE04 Metabolic and transcriptional dynamics in temperature adaptation of Arabidopsis <u>Natsuki Hayami</u> ¹ , Ayaka Hieno ² , Miyako Kusano ^{3,4} , Kyonoshin Maruyama ⁵ , Mieko Higuchi ³ , Kosuke Hanada ⁶ , Minami Matsui ³ , Y. Yoshiharu Yamamoto ^{2,3,7} (Fac. Appl. Bio. Sci., Gifu Univ., ² The United Grad. Sch. of Agr., Gifu Univ., ³ RIKEN CSRS, ⁴ Fac. Life and Env. Sci., Tsukuba Univ., ⁵ JIRCAS, ⁶ Frontier Research Academy for Young Researchers, Kyushu Institute of Technology, ⁷ JST ALCA)
10:00	2aA05 Identification of novel regulatory components of auxin-related root development using GWAS <u>Takehiko Ogura</u> , Christian Goeschl, Daniele Filiault, Wolfgang Busch (GMI-Gregor Mendel Institute of Molecular Plant Biology)	2aB05 Microarray analysis of the short-term cold acclimation process regulated by CRYPTOCHROME <u>Hiroyuki Imai</u> ¹ , Yukio Kawamura ^{1,2} , Akira Nagatani ¹ , Matsu Uemura ^{1,2} (United Graduate School of Agricultural Sciences, Iwate University, ² Cryobiofrontier Research Center, Faculty of Agriculture, Iwate University, ³ Graduate School of Science, Kyoto University)	2aC05 Contribution of PPI-hydrolyzing function of vacuolar H ⁺ -pyrophosphatase in vegetative growth of <i>Arabidopsis thaliana</i> <u>Mariko Asaka</u> ¹ , Shoji Segami ¹ , Ali Ferjani ² , Masayoshi Maeshima ¹ (Grad. Sch. Bioagr. Sci., Nagoya Univ., ² Tokyo Gakugei Univ. Department of Biology)	2aD05 Effects of Strong Light and High Temperature on Photosystem II in Red Tide Algae <i>Karenia mikimotoi</i> and <i>Chattonella antiqua</i> <u>Yusuke Kuwahara</u> ¹ , Tomoyuki Shikata ² , Yoshitaka Nishiyama ¹ (Grad. Sch. Sci. Eng., Saitama Univ., ² Natl. Res. Inst. of Fisheries & Environment of Inland Sea, FRA)	2aE05 Analysis of transcriptional regulatory mechanism of the <i>Arabidopsis DREB1</i> family genes in low-temperature responses <u>Tomona Ishikawa</u> ¹ , Satoshi Kidokoro ¹ , Satomi Toda ¹ , Junya Mizoi ¹ , Kazuo Shinozaki ² , Kazuko Yamaguchi-Shinozaki ¹ (Grad. Sch. Agr. Life Sci., Univ. Tokyo, ² Center for Sustainable Resource Science, RIKEN)

Room F	Room G	Room H	Room I	Room X	Room Y	Room Z	Time
Secondary metabolism	Systems biology	Plant-pathogen interaction (Immunity 2)	Organelles/Cytoskeletons	Symposium S07 Multi-angle views of plant pluripotent stem cells (9:00 – 12:00)	Symposium S08 ROS, Ca ²⁺ and plant sensory systems (9:00 – 12:00)	Symposium S09 Ethylene on plant growth and development: from signaling to physiological responses (9:00 – 12:00)	
2aF01 Comprehensive transcriptional and functional characterization of chalcone reductase homologs in soybean [<i>Glycine max</i> (L.) Merr.] <u>Ryo Mameda</u>, Toshiyuki Waki, Seiji Takahashi, Toru Nakayama (Grad. Sch. Eng., Univ. Tohoku)	2aG01 Identification of Genomic Features Associated with Gene Coexpression in <i>Arabidopsis thaliana</i> <u>Yuichi Aoki</u>¹, Takeshi Obayashi¹, Kengo Kinoshita^{1,2,3} (1Grad. Sch. Info. Sci., Tohoku Univ., 2Inst. Dev. Aging Cancer, Tohoku Univ., 3ToMMo, Tohoku Univ.)	2aH01 Lesion browning is involved in the biotic stress attenuation caused by a hypersensitive response in rice <u>Keiko Hayashi</u>¹, Yoshikatsu Fujita², Taketo Ashizawa¹, Fumihiko Suzuki¹, Yoshiaki Nagamura³, Yuriko Hayano-Saito¹ (1NARO/ARC, 2NUBS, 3Nat. Inst. Agr. Sci.)	2aI01 Measurement of the redox potential in Chlamydomonas flagella using a redox-sensitive fluorescent protein, Oba-Q Yuta Nishimaki¹, Kazunori Sugiura^{1,2}, Toru Hisabori^{1,2}, <u>Ken-ichi Wakabayashi</u>¹ (1CRL, Tokyo Tech, 2CREST, JST)				9:00
2aF02 Identification of (3Z):(2E)-hexenal isomerase playing a crucial role in the production of leaf aldehyde <u>Mikiko Kunishima</u>, Yasuo Yamauchi, Masaharu Mizutani, Yukihiro Sugimoto (Grad. Agri., Univ. Kobe)	2aG02 Meta-analysis of gene coexpression in ATTED-II toward species-specific coexpression analyses <u>Takeshi Obayashi</u>¹, Yuichi Aoki¹, Yasunobu Okamura¹, Shu Tadaka¹, Kengo Kinoshita^{1,2,3} (1Grad. Sch. Info. Sci., Tohoku Univ., 2Inst. Dev. Aging Cancer, Tohoku Univ., 3ToMMo, Tohoku Univ.)	2aH02 Subcellular Localization and Activity of βCL1, the Pathogenicity Factor of Tomato Yellow Leaf Curl Disease <u>Takanori Suzuki</u>^{1,4}, Michiko Sasabe², Chiyoko Machida³, Yasunori Machida⁴ (1Central Research Institute, Ishihara Sangyo Kaisha, Ltd., 2Faculty of Agriculture and Life Science, Hirosaki University, 3Graduate School of Bioscience and Biotechnology, Chubu University, 4Division of Biological Science, Graduate School of Science, Nagoya University)	2aI02 Stress-induced Depolymerization of Cortical Microtubules in <i>Marchantia polymorpha</i> <u>Hideyuki Takahashi</u>¹, Naoya Nagao¹, Ryuichi Nishihama², Takayuki Kohchi², Takashi Hashimoto¹ (1Grad. Sch. Biol. Sci., NAIST, 2Grad. Sch. Bio., Univ. Kyoto)				9:15
2aF03 Characterization of C-26 aminotransferase involved in the F-ring configuration of steroidal glycoalkaloids in <i>Solanaceae</i> <u>Masaru Nakayasu</u>¹, Naoyuki Umemoto², Kiyoshi Ohyama^{2,3}, Haruka Miyachi¹, Bunta Watanabe⁴, Toshiya Muranaka⁵, Kazuki Saito^{2,6}, Yukihiro Sugimoto¹, Masaharu Mizutani¹ (1Grad. Sch. Agric. Sci., Kobe Univ., 2CSRS, RIKEN, 3Grad. Sch. Chem. & Mater. Sci., Tokyo Tech. Univ., 4ICR, Kyoto Univ., 5Grad. Sch. Eng., Osaka Univ., 6Grad. Sch., Pharm. Sci., Chiba Univ.)	2aG03 Plant Omics Data Center: An Integrated Web Repository for Interspecies Gene Expression Networks and Knowledge-based Information on Gene Functions <u>Shin Terashima</u>¹, Toru Kudo¹, Tomoyuki Takano¹, Maasa Knnno¹, Misa Saito¹, Noriko Matsuda¹, Satomi Asano¹, Yohei Sasaki¹, Koji Yokoyama¹, Masaaki Kobayashi¹, Hajime Ohyanagi^{1,2}, Kentaro Yano¹ (1Sch. of Agri., Meiji Univ., 2King Abdullah Univ Sci & Technol)	2aH03 RNA-Seq of wild <i>Arabidopsis halleri</i> reveals interaction of viruses and the host <u>Mari Kamitani</u>¹, Atsushi J. Nagano^{1,2,3}, Mie N. Honjo¹, Hiroshi Kudoh¹ (1Center for Ecological Research, Kyoto University, 2Faculty of Agriculture, Ryukoku University, 3JST PRESTO)	2aI03 Tubulin kinase PHS1 suppresses its activity in the absence of MAPK Duncan Coleman, Takashi Hotta, <u>Takashi Hashimoto</u> (Graduate School of Biological Sciences, Nara Institute of Science and Technology)				9:30
2aF04 Transcriptional regulation of steroidal glycoalkaloid biosynthesis in tomato Chonprakun Thagun¹, Shunsuke Imanishi², Toru Kudo³, Ryo Nakabayashi⁴, Kiyoshi Ohyama⁵, Tetsuya Mori¹, Koichi Kawamoto⁶, Yohei Sasaki⁷, Yukino Nakamura¹, Satoko Nonaka⁸, Chiaki Matsukura⁹, Kentaro Yano¹, Hiroshi Ezura¹, Kazuki Saito¹, Takashi Hashimoto¹, <u>Tsubasa Shoji</u>¹ (1Grad Sch Biol Sci, NAIST, 2Inst Veg Tea Sci, NARO, 3Fac Agri, Meiji Univ., 4RIKEN CSRS, 5Grad Sch Sci Eng, Tokyo Inst Tech, 6Grad Sch Life Env Sci, Tsukuba Univ.)	2aG04 AtMetExpress: Development of metabolite-profiling database in Arabidopsis <u>Atsushi Fukushima</u>¹, Toshiaki Tokimatsu², Kozo Nishida³, Ramon Mejia⁴, Makoto Kobayashi¹, Yoza Okazaki¹, Ryo Nakabayashi¹, Yutaka Yamada¹, Tetsuya Sakurai¹, Miyako Kusano^{1,4}, Masanori Arita^{1,5}, Kazuki Saito^{1,6} (1RIKEN CSRS, 2DBCLS, 3RIKEN QBiC, 4Univ. of Tsukuba, 5NIG, 6Chiba Univ.)	2aH04 Searching of plant metabolites which affect host plant suitability of herbivore <u>Hiroshi Abe</u>¹, Takeshi Shimoda², Shigemi Seo³, Yuji Sawada⁴, Masami Hirai⁴, Masatomo Kobayashi¹ (1RIKEN BRC, 2ARC, 3NAIST, 4RIKEN CSRS)	2aI04 Analysis of the dynamic instability of plant microtubules in vitro <u>Takashi Hotta</u>¹, Seiichi Uchimura², Masahiro Noguchi¹, Taku Demura¹, Etsuko Muto², Takashi Hashimoto¹ (1Grad. Sch. Biol. Sci., NAIST, 2RIKEN, BSI)				9:45
2aF05  Functional analysis of amorpho-4,11-diene synthase homologs derived from artemisinin non-producing <i>Artemisia</i> species: the discovery of novel sesquiterpene synthases synthesizing koidzumol and (+)-α-bisabolol <u>Paskorn Muangphrom</u>¹, Hikaru Seki¹, Mika Nishiwaki¹, Munenori Suzuki^{1,2}, Ryota Mikawa¹, Aya Komori^{1,2}, Ery Odette Fukushima¹, Toshiya Muranaka¹ (1Dept. Biotech., Grad. Sch. Eng., Osaka Univ., 2KNC Laboratories Co., Ltd.)	2aG05  Prediction of unknown regulation in a metabolic pathway using omics time-series data <u>Kansuporn Sriyudthsak</u>¹, Yuji Sawada¹, Ayuko Kuwahara¹, Muneo Sato¹, Hitoshi Onouchi², Satoshi Naito^{2,3}, Masami Hirai¹ (1RIKEN CSRS, 2Grad. Sch. Agr., Hokkaido Univ., 3Grad. Sch. Life Sci., Hokkaido Univ.)	2aH05 An Analysis of Transport of Glucosinolates in Arabidopsis Leaves <u>Akiko Nakazaki</u>, Kenji Yamada, Yasuko Koumoto, Haruko Ueda, Ikuko Hara-Nishimura, Tomoo Shimada (Grad. Sch. Sci., Kyoto Univ.)	2aI05 Functional analysis of a novel microtubule-associated protein in secondary cell wall patterning <u>Yuki Sugiyama</u>¹, Mayumi Wakazaki², Mayuko Sato¹, Kiminori Toyooka², Hiroo Fukuda¹, Yoshihisa Oda¹ (1Grad. Sch. Sci., UTokyo, 2RIKEN CSRS, 3Ctr. Fro. Res., NIG)				10:00

 Presentation in English

Time	Room A	Room B	Room C	Room D	Room E
	Plant hormones/ Signaling molecules	Photoreceptors/ Photoresponses	Biomembrane/ Ion and solute transport	Environmental response of photosynthesis and respiration	Enviromental responses/ Abiotic stresses (temperature)
10:15	2aA06 ㊦ Involvement Of Oxylin Carbonyls In The Auxin-Dependent Lateral Root Formation Md. Sanaullah Biswas ¹ , Jun'ichi Mano ² , Hidehiro Fukaki ³ (United Grad. Schl. Agr., Tottori Univ., ² Sci. Res. Center, Yamaguchi Univ., ³ Grad. Schl. Sci., Kobe Univ.)	2aB06 Molecular Mechanism of the PIF-mediated Red Light Signaling in the Liverwort <i>Marchantia polymorpha</i> Keisuke Inoue ¹ , Ryuichi Nishihama ¹ , Kimitsune Ishizaki ² , Takayuki Kohchi ¹ (Grad. Sch. Biostudies, Kyoto Univ., ² Grad. Sch. Sci., Kobe Univ.)	2aC06 Characterization of affinity for substrate of the nitrite transporter of cyanobacteria and chloroplasts Shin-ichi Maeda, Tatsuo Omata (Grad. Sch. Bioagr., Univ. Nagoya)	2aD06 Two mechanisms of drought-induced energy dissipation in sun- and shade-adapted mosses and lichens Shigeru Itoh ¹ , Hisanori Yamakawa ² , Ulrich Heber ³ (Gene Res., Nagoya Univ., ² Grad. Sch. Bioagricul Sci., Nagoya Univ., ³ Julius-von-Sachs- Inst., Biol.Sci, Univ. Wurzburg)	2aE06 Analysis of activation mechanisms of A1-subclass heat shock transcription factor Naohiko Ohama ¹ , Kazuya Kusakabe ¹ , Junya Mizoi ¹ , Huimei Zhao ¹ , Satoshi Kidokoro ¹ , Shinya Koizumi ¹ , Fuminori Takahashi ² , Tetsuya Ishida ³ , Shuichi Yanagisawa ⁴ , Kazuo Shinozaki ² , Yamaguchi-Shinozaki Kazuko ¹ (¹ Grad. Sch. Agr. Life Sci., ² Center for Sustainable Resource Science, RIKEN, ³ BRC, Univ. Tokyo)
10:30	2aA07 ㊦ Root cutting induces lateral root formation through auxin signaling pathway Dongyang Xu ¹ , Masaaki Watahiki ² (¹ Life Science, Grad.Sch. Hokkaido Univ., ² Fac. Sci, Hokkaido Univ.)	2aB07 RaF-type protein kinase-mediated photosynthesis signal transduction in the liverwort <i>Marchantia polymorpha</i> Ryuichi Nishihama ¹ , Eri Koide ¹ , Mika Tera ¹ , Yuko Nomura ² , Izumi Yotsui ² , Noriyuki Suetsugu ¹ , Hirofumi Nakagami ² , Takayuki Kohchi ¹ (Grad. Sch. Biostudies, Kyoto Univ., ² CSRS, RIKEN)	2aC07 Evolutional analysis of phosphate transport mechanism in plant cells. Hitomi Fujiwara ¹ , Hidetoshi Sakayama ¹ , Miwa Ohnishi ¹ , Kimitsune Ishizaki ¹ , Koichi Toyokura ¹ , Tatsuki Goh ¹ , Hiroyuki Sekimoto ² , Tomoaki Nishiyama ³ , Hisato Ikegaya ⁴ , Satamoi Kanno ⁵ , Ayumi Tezuka ⁶ , Atsushi J. Nagano ⁶ , Keiko Kosuge ¹ , Hidehiro Fukaki ¹ , Tetsuro Mimura ¹ (Grad. Sci. Kobe Univ., ² Fac. Sci. Japan Women's Univ., ³ Advanced Science Research Center, Kanazawa Univ., ⁴ Grad. Sch. Sci., Univ. Hyogo, ⁵ BRC, Univ. Tokyo, ⁶ Fac. Agric. Ryukoku Univ.)	2aD07 Diversity of adaptation strategy from a point of view against risk of photoinhibition in terrestrial photosynthetic organisms in Antarctica Makiko Kosugi ¹ , Fumino Nishimura ² , Takeshi Inoue ² , Norio Kurosawa ³ , Kawamata Akinori ⁴ , Koike Hiroyuki ¹ , Kamei Yasuhiro ¹ , Imura Satoshi ⁵ , Kudoh Sakae ⁶ (Department of Biological Sciences, Faculty of Science and Engineering, Chuo University, ² Department of Polar Science, School of Multidisciplinary Science, SOKENDAI, ³ Department of Science and Engineering for Sustainable Innovation, Faculty of Science and Engineering, Soka University, ⁴ Ehime Prefectural Science Museum, ⁵ National Institute for Basic Biology, National Institutes of Natural Sciences, ⁶ National Institute of Polar Research, Research Organization of Information and Systems)	2aE07 Possibility of Phosphorylation in the Post-translational Regulation of the Stress-Responsive Transcription Factor DREB2A in Arabidopsis Junya Mizoi ¹ , Feng Qin ² , Satoshi Kidokoro ¹ , Kazuo Shinozaki ¹ , Kazuko Yamaguchi-Shinozaki ¹ (Grad. Sch. Agr. Life Sci., Univ. Tokyo, ² Biol. Resources Post-harvest Div., JIRCAS, ³ Center for Sustainable Resource Science, RIKEN)
10:45	2aA08 Analysis of tissue-specific gene expression and hormone biosynthesis during tissue-reunion process in incised <i>Arabidopsis</i> flowering stem. Miyuki Nakanowatari ¹ , Kentaro Ogura ² , Maasa Banse ³ , Keita Matsuoka ⁴ , Emi Yumoto ² , Takao Yokota ² , Hisakazu Yamane ² , Shinobu Satoh ³ , Masashi Asahina ^{1,2} (Grad. Sch. Sci. & Eng., Teikyo Univ., ² Dept. Biosci, Teikyo Univ., ³ Life & Environ Sci., Univ. Tsukuba.)	2aB08 Phytochrome-mediated regulation of the first positive phototropism in Arabidopsis hypocotyls Ken Haga ¹ , Tatsuya Sakai ² (¹ Department of Human Science and Common Education, Nippon Institute of Technology, ² Graduate School of Science and Technology, Niigata University)	2aC08 Structural and functional studies of HmVALT, a vacuolar aquaporin protein from <i>Hydrangea macrophylla</i> , involved in aluminum detoxification Takaaki Ito ¹ , Katsumasa Irie ² , Akiko Kamegawa ³ , Atsunori Oshima ² , Yoshinori Fujiyoshi ² , Kumi Yoshida ¹ (Graduate school of Information Science, Nagoya University, ² Cellular and Structural Physiology Institute, Nagoya University)	2aD08 Identification of the sulfide-responsive transcriptional factor involved in ancestral photosynthetic electron transfer Takayuki Shimizu ¹ , Shinji Masuda ^{2,3} (Dept. Biol. Sci., Tokyo Inst. Technol., ² Cent. Biol. Res. and Info., Tokyo Inst. Technol., ³ ELSI, Tokyo Inst. Technol.)	2aE08 A Cell Cycle Regulator, Cyclin Dependent Kinase A, Is Involved In Stress Response Regulation Shinya Kawata ¹ , Liang Bao ¹ , Mitsuhiko Ishibashi ¹ , Yuma Makiguchi ¹ , Natsumi Noda ² , Yuji Hiwatashi ³ , Masaki Ishikawa ^{4,5} , Yutaka Suzuki ⁶ , Sumio Sugano ⁶ , Mitsuyasu Hasebe ^{4,5} , Tomomichi Fujita ¹ (Grad. Sch. Life Sci., Hokkaido Univ., ² Fac. Sci., Hokkaido Univ., ³ Sch. Food, Miyagi Univ., ⁴ Div. Evol. Biol., NIBB, ⁵ Sch. Life Sci., SOKENDAI, ⁶ Grad. Sch. Front. Sci., Univ. Tokyo)
11:00	2aA09 Mechanism of Phytohormone-induced Cell Proliferation during Graft-union development in the Arabidopsis seedlings Keita Matsuoka ¹ , Eri Sugawara ¹ , Kazuki Takuma ¹ , Shinobu Satoh ² , Masashi Asahina ¹ (Dept. Biosci., Teikyo Univ., ² Life & Env. Sci., Univ. Tsukuba)	2aB09 Identification of Interacting Protein which Associates with the Fern <i>Adiantum</i> Phytochrome 3 Izumi Kimura, Takeshi Kanegae (Dept. of Biol. Sci., Grad. Sch. of Sci. and Eng., Tokyo Metropolitan Univ.)	2aC09 Physiological roles of ER-localized aquaporins SIPS in Arabidopsis thaliana under stresses Ryosuke Satoh, Rie Sakakibara, Kyosuke Miyamoto, Masayoshi Maeshima (Laboratory of Cell Dynamics Graduate School of Bioagricultural Sciences Nagoya University)	2aD09 Analysis of Physiological Roles of AOX under Phosphorus Deficient Condition Yoshitatsu Aichi ¹ , Atsuko Miyagi ² , Maki Kawai-Yamada ² , Ko Noguchi ¹ (Grad. Sch. Sci., Univ. Tokyo, ² Grad. Sch. Sci. & Eng., Saitama Univ., ³ Fac. Life Sci., Tokyo Univ. Phar. & Life Sci.)	2aE09 The cyanobacterial molecular chaperone ClpB2 exhibits unique biochemical characteristics that differ from its paralog ClpB1 and the E.coli ClpB Yuta Ichisugi, Hitoshi Nakamoto (Molecular Biology Course, Graduate School of Science and Engineering, Saitama University, Saitama 338-8570, Japan)

Room F	Room G	Room H	Room I	Room X	Room Y	Room Z	Time
Secondary metabolism	Systems biology	Plant-pathogen interaction (Immunity 2)	Organelles/Cytoskeletons	Symposium S07 Multi-angle views of plant pluripotent stem cells (9:00 – 12:00)	Symposium S08 ROS, Ca ²⁺ and plant sensory systems (9:00 – 12:00)	Symposium S09 Ethylene on plant growth and development: from signaling to physiological responses (9:00 – 12:00)	10:15
2aF06 Two membrane-bound prenyltransferase genes specific either to linear or angular furanocoumarin biosynthesis in parsnip <u>Ryosuke Munakata</u> ¹ , Alexandre Olry ² , Fazeelat Karamat ³ , Vincent Courdavault ⁴ , Akifumi Sugiyama ¹ , Yoshiaki Date ¹ , Céilia Krieger ² , Silie Prisca ³ , Nicolas Papon ³ , Jérémy Grosjean ² , Kazufumi Yazaki ¹ , Frédéric Bourgaud ² , Alain Hehn ² (¹ RISH, Kyoto University, ² Lorraine University, ³ Tours University)	2aG06 The network analysis using the information-theoretic method extracts candidate genes associated with parthenocarp in tomato <u>Miyako Kusano</u> ^{1,2} , Atsushi Fukushima ² , Tohru Ariizumi ¹ , Hiroshi Ezura ¹ (¹ University of Tsukuba, ² RIKEN CSRS)	2aH06 E Direct and indirect defense against herbivores in rice <u>Ivan Galis</u> , Islam Sobhy, Atsushi Miyake, Kimiaki Tanabe, Yuko Hojo, Tomonori Shinya (Okayama University, Institute of Plant Science and Resources)	2aI06 Functional analysis of the plant-specific augmin subunit, AUG8, in the moss <i>Physcomitrella patens</i> <u>Yuji Hiwatashi</u> ¹ , Yoshito Shimizu ¹ , Yoshikatsu Sato ² , John Doonan ³ (¹ Sch. of Food, Agricultural and Environmental Sci., Miyagi Univ., ² WPI- ITbM, Nagoya Univ., ³ National Plant Phenomics Centre, IBERS, Aberystwyth Univ.)				10:30
2aF07 E Flavonol 3-O-gal:2"-O-glucosyltransferase from petunia pollen <u>Eva Knoch</u> , Satoko Sugawara, Kazuki Saito, Keiko Yonekura-Sakakibara (RIKEN)	2aG07 E Comparative transcriptomics across selected plants from panax genus revealed cyp450s and GTs coding genes with potential role in triterpene saponin biosynthesis <u>Amit Rai</u> ¹ , Hiroki Takahashi ¹ , Michimi Nakamura ¹ , Hideyuki Suzuki ² , Mami Yamazaki ¹ , Kazuki Saito ^{1,3} (¹ Chiba University, ² Kuzasa DNA Res. Inst, ³ RIKEN CSRS)	2aH07 Involvement of CLE peptide signaling in nematode infection process <u>Satoru Nakagami</u> ¹ , Chika Ejima ¹ , Bui Thi Ngan ¹ , Hiroshi Sato ¹ , Ryo Tabata ² , Takashi Ishida ¹ , Shinichiro Sawa ¹ (¹ Grad. Sch. Sci. Tech., Univ. Kumamoto, ² National Institute for Basic Biology)	2aI07 <i>Arabidopsis</i> NIMA-related kinase 6 promotes the severing and depolymerization of cortical microtubules <u>Shogo Takatani</u> , Taku Takahashi, Hiroyasu Motose (Grad. Sch. Nat. Sci. & Tech., Okayama Univ.)				10:45
2aF08 Chemically Assigning Marker Product Ions of Monoterpene Indole Alkaloids using Liquid Chromatography-Fourier Transform Ion Cyclotron Resonance-Tandem Mass Spectrometry <u>Ryo Nakabayashi</u> ¹ , Hiroshi Tsugawa ¹ , Mariko Kitajima ² , Hiromitsu Takayama ² , Kazuki Saito ^{1,2} (¹ RIKEN CSRS, ² Grad. Sch. Pharm. Sci. Chiba Univ.)	2aG08 E Transcriptomic profile of variegated fig (<i>Ficus microcarpa</i> cv. milky stripe) leaves <u>Tin-Han Shih</u> ¹ , Meng-Yuan Huang ² , Szu-Hsien Lin ¹ , Chi-Ming Yang ¹ (¹ Biodiversity Research Center, Academia Sinica, Taiwan, ² Department of Horticulture and Biotechnology, Chinese Culture University, Taiwan)	2aH08 Genes involved in establishment of connection between a stem parasite, <i>Cuscuta japonica</i> , and its host <u>Koh Aoki</u> ¹ , Akitaka Hozumi ¹ , Kohki Shimizu ¹ , Ryusuke Yokoyama ² , Kazuhiko Nishitani ² (¹ Graduate School of Life and Environmental Sciences, Osaka Prefecture University, ² Graduate School of Life Sciences, Tohoku University)	2aI08 Identification of microtubule-based retrograde transporters in plants <u>Moe Yamada</u> , Gohta Goshima (Grad. Sch. Sci., Nagoya Univ.)				11:00
2aF09 E Functional Characterization of Bitter-variety Specific Genes in <i>Lupinus angustifolius</i> by Heterologous Expression <u>Yohei Shimizu</u> ¹ , Yuko Okawa ¹ , Kota Kera ¹ , Hajime Tomatsu ¹ , Hideyuki Suzuki ² , Mami Yamazaki ¹ , Kazuki Saito ¹ (¹ Grad. Sch. Pharm. Sci., Chiba Univ., ² Kazusa DNA Research Inst.)	2aG09 Design of synthetic promoter involved in heat-induced transcriptional pathway in <i>Arabidopsis</i> , Soybean, Rice and Maize <u>Kyonoshin Maruyama</u> ¹ , Takuya Ogata ¹ , Norihito Kanamori ¹ , Kazuko Yamaguchi-Shinozaki ² , Shingo Goto ² , Yoshiharu Y. Yamamoto ³ , Satoshi Iuchi ¹ , Kaoru Urano ⁶ , Tetsuya Sakurai ⁶ , Mikiko Kojima ⁶ , Hitoshi Sakakibara ⁴ , Kazuo Shinozaki ⁶ (¹ Biol. Resources Post-harvest Div., JIRCAS, ² Grad. Sch. Agr. Life Sci., Univ. Tokyo, ³ NIFTS, ⁴ Faculty of Applied Biological Sciences, Gifu University, ⁵ BRC, RIKEN, ⁶ CSRS, RIKEN)	2aH09 E Tissue specific transcriptome analysis at the interface between a parasitic plant and the host plant <u>Takanori Wakatake</u> ^{1,2} , Satoko Yoshida ² , Ryosuke Sano ³ , Tetsuya Kurata ^{3,4} , Taku Demura ³ , Ken Shirasu ^{1,2} (¹ Grad. Sch. of Sci., Univ. of Tokyo, ² RIKEN CSRS, ³ Grad. Sch. of Bio. Sci., NAIST, ⁴ Grad. Sch. of Life Sci., Tohoku Univ.)	2aI09 Plant development is regulated spatially and temporally by cytoplasmic streaming using different myosin XI members <u>Zhongrui Duan</u> ¹ , Nanako Hagino ¹ , Takeshi Haraguchi ² , Hirokazu Tsukaya ³ , Akihiko Nakano ^{3,4} , Kohji Ito ² , Motoki Tominaga ¹ (¹ Fac. Educ. Integrated Arts. Sci., Univ. Waseda, ² Grad. School Sci., Univ. Chiba., ³ Grad. Sch. Sci., Univ. Tokyo., ⁴ RAP, RIKEN.)				

E—Presentation in English

Time	Room A	Room B	Room C	Room D	Room E
	Plant hormones/ Signaling molecules	Photoreceptors/ Photoresponses	Biomembrane/ Ion and solute transport	Environmental response of photosynthesis and respiration	Enviromental responses/ Abiotic stresses (temperature)
11:15	2aA10 The repression of cytokinin biosynthesis via AS1-AS2-ETT pathway during the establishment of leaf adaxial-abaxial polarity in <i>Arabidopsis thaliana</i>. <u>Shoko Kojima</u>¹, Nanako Ishibashi², Kana Koda¹, Mikiko Kojima¹, Hiro Takahashi¹, Ayami Nakagawa¹, Hitoshi Sakakibara^{3,5}, Yasunori Machida⁴, Chiyoko Machida¹ (Grad. Sch. of Biosci. and Biotech., Chubu Univ., ²Grad. Sch. of Sci., Nagoya Univ., ³RIKEN CSRS, ⁴Grad. Sch. of Hort., Chiba Univ., ⁵Grad. Sch. of Bioagr., Nagoya Univ.)	2aB10 PIF3 binds to N-terminal extension of Arabidopsis phyB and prohibit dark reversion Hitomi Katsura¹, Kazunori Zikihara¹, Tomonao Matsushita², Shizue Yoshihara¹, Takayuki Kohchi³, Akira Nagatani⁴, <u>Satoru Tokutomi</u>¹ (Grad. Sch. Sci., Osaka Prefect. Univ., ²Grad. Sch. Agr., Kyushu Univ., ³Grad. Sch. Biostudies., Kyoto Univ., ⁴Grad. Sch. Sci., Kyoto Univ.)	2aC10 <i>In planta</i> analysis of boron-dependent translational suppression of a boron transporter BOR1 by 5'-UTR <u>Izumi Ojima Aibara</u>¹, Tatsuya Hirai¹, Hitoshi Onouchi², Satoshi Naito^{2,3}, Kyoko Miwa¹ (Grad. Sch. Environ. Sci., Hokkaido Univ., ²Grad. Sch. Agri., Hokkaido Univ., ³Grad. Sch. Life Sci., Hokkaido Univ.)	2aD10 Mitochondrial roles in cone thermogenesis in cycad are different from floral thermogenesis in aroid <u>Yasuko Ito-Inaba</u>¹, Arisa Oka^{1,2}, Haruhiko Maekawa^{1,2}, Takehito Inaba² (OPTT, Univ. Miyazaki, ²Fac. Agr., Univ. Miyazaki)	2aE10 Autophagy Mitigates High Temperature Injury during Microsporogenesis in <i>Arabidopsis thaliana</i> <u>Atsushi Higashitani</u>¹, Masanori Izumi^{1,2}, Zhenhua Shao¹, Sakuya Nakamura¹ (Grad. Sch. Life Sci., Tohoku Univ., ²Front. Res. Inst. Interdiscipl. Sci., Tohoku Univ.)
11:30	2aA11 Root-derived active cytokinins function in the shoot of Arabidopsis <u>Asami Osugi</u>^{1,2}, Mikiko Kojima¹, Yumiko Takebayashi¹, Takatoshi Kiba¹, Hitoshi Sakakibara^{1,2} (CSRS RIKEN, ²Grad. Sch. Bioagr. Sci. Nagoya univ.)	2aB11 Evolutionary conservation of phyC with blue-shifted absorption relative to other phytochrome molecule species <u>Shizue Yoshihara</u>¹, Shiho Ishiguro¹, Daiki Tanaka¹, Yoko Ookubo¹, Takatoshi Kagawa², Junko Nishizuka¹, Koji Okajima^{1,3}, Satoru Tokutomi¹ (Grad. Sch. Sci., Osaka Pref. Univ., ²Natl. Inst. Agrobiol. Sci., ³Grad. Sch. Sci. Engin., Keio Univ.)		2aD11 A trial of transplantation of nitrogen fixation ability to non-diazotrophic cyanobacteria <u>Hiroya Kotani</u>, Ryoma Tsujimoto, Yuichi Fujita (Grad. Sch. Bioagr., Univ. Nagoya)	2aE11 Natural Variation in Heat Tolerance among Arabidopsis thaliana accessions <u>Kotaro Nakamura</u>¹, Hirotaka Ariga¹, Satoshi Iuchi², Masatomo Kobayashi², Yoichi Sakata¹, Takahisa Hayashi¹, Taruki Tajiri¹ (Tokyo nodai / bio, ²Riken/BRC)
11:45	2aA12 Functional diversity of MAX1 enzymes in strigolactone biosynthesis Kaori Yoneyama¹, Narumi Mori², Xiaonan Xie¹, Takaya Kisugi¹, Toshiyuki Ohnishi¹, Weiqiang Li⁵, Satoko Yoshida¹, Ken Shirasu⁵, Shinjiro Yamaguchi³, Kohki Akiyama², Koichi Yoneyama¹, <u>Takahito Nomura</u>¹ (Ctr. for Biosci. Res. & Educ., Utsunomiya Univ., ²Grad. Sch. of Life & Environ. Sci., Osaka Pref. Univ., ³Grad. Sch. of Life Sci., Tohoku Univ., ⁴Grad. Sch. Agric., Shizuoka Univ., ⁵CSRS, RIKEN)	2aB12 Photosynthesis activates plasma membrane H⁺-ATPase via sugar accumulation in <i>Arabidopsis</i> leaves <u>Masaki Okumura</u>¹, Shin-ichiro Inoue¹, Keiko Kuwata², Toshinori Kinoshita² (Grad. Sch. of Sci., Nagoya Univ., ²WPI-ITbM, Nagoya Univ.)			2aE12 Environmental response of aquaporin gene expressions in the rice roots under natural weather conditions -response to the root-zone temperature <u>Tsuneo Kuwagata</u>¹, Mari Murai-Hatano², Hidehiro Hayashi¹, Junko Ishikawa-Sakurai³, Shin Fukui⁴, Tomohiro Sunaga¹ (National Institute for Agro-environmental Sciences, ²NARO Tohoku Agricultural Research Center, ³NARO Institute of Crop Science, ⁴WASEDA University)
12:00					2aE13 Influence on the elongation of abaxial epidermal-cells and the expression of plasma membrane H⁺-ATPase genes with temperature and light intensity greatly varies according to the position in the petal of <i>Portulaca</i> hybrid during flower-opening period. <u>Souta Shida</u>¹, Fumi Nakanishi² (Grad. Sch. Science education., Univ. Tokyo Gakugei, ²Science education., Univ. Tokyo Gakugei)

Room F	Room G	Room H	Room I	Room X	Room Y	Room Z	Time
Secondary metabolism 2aF10 Metabolic profiles of cruciferous vegetables <u>Yuji Sawada</u>¹, Yuzuru Morooka², Munee Sato¹, Yutaka Yamada¹, Akane Sakata¹, Masami Yokota Hirai¹ (¹RIKEN CSRS, ²Nakahara Seed Product Co.,Ltd.) 2aF11 Seed grain-based comparative analyses of metabolites in diploids and autotetraploids of <i>Arabidopsis thaliana</i> <u>Hirokazu Tsukaya</u>^{1,2}, Yuji Sawada³, Li Yimeng³, Munee Sato³, Kensuke Kawade^{2,3,4}, Masami Yokota Hirai³ (¹Grad. Sch. Sci., Univ. Tokyo, ²OIIB, NINS, ³RIKEN Center for Sustainable Resource Science, ⁴NIBB, NINS) 2aF12 The birth of black rice gene and its local spread by introgression <u>Tetsuo Oikawa</u>¹, Hiroaki Maeda², Taichi Oguchi³, Takuya Yamaguchi², Noriko Tanabe¹, Kaworu Ebana¹, Masahiro Yano¹, Takeshi Ebitani², Takeshi Izawa¹ (¹NIAS, ²Toyama Pref. Agri. Forestry & Fisheries Res. Center, ³Gene Res. Center, Univ., Tsukuba, ⁴NARO)	Systems biology	Plant-pathogen interaction (Immunity 2)	Organelles/Cytoskeletons 2aI10 Actin-myosin XI-dependent straightening of elongating organs determines plant posture <u>Haruko Ueda</u>¹, Keishi Okamoto¹, Tomoo Shimada¹, Kentaro Tamura¹, Takehide Kato², Masao Tasaka², Miyo Morita-Terao³, Ikuko Hara-Nishimura¹ (¹Grad. Sch. Sci., Kyoto Univ., ²Grad. Sch. Biol. Sci., NAIST, ³Grad. Sch. Bioagri. Sci., Nagoya Univ.) 2aI11 Cell biological dissection of guard cells of clustered stomata induced by sucrose solution immersion <u>Kae Akita</u>, Takumi Higaki, Seichiro Hasezawa (The Univ. Tokyo GSFS)	Symposium S07 Multi-angle views of plant pluripotent stem cells (9:00–12:00)	Symposium S08 ROS, Ca²⁺ and plant sensory systems (9:00–12:00)	Symposium S09 Ethylene on plant growth and development: from signaling to physiological responses (9:00–12:00)	11:15 11:30 11:45 12:00

Time	Room A	Room B	Room C	Room D	Room E
	Plant hormones/ Signaling molecules	Photoresponse/Clock	Biomembrane/ Ion and solute transport	Electron transport/ CO ₂ assimilation	Environmental responses/Abiotic stresses (oxidative stress/redox regulation/light)
13:00	2pA01 Identification of Brassinosteroid-signaling Mutant <i>bis-1D</i> <u>Ayumi Yamagami</u> ^{1,4} , Genki Nakata ^{1,2} , Takanari Ichikawa ¹ , Minami Matsui ¹ , Shozo Fujioka ¹ , Kazuo Shinozaki ¹ , Tetsuo Kushi ² , Tadao Asami ^{1,3,4} , Takeshi Nakano ^{1,4} (¹ RIKEN CSRS, ² Dept. Agric. Chem., Meiji Univ., ³ Dept. Appl. Biol. Chem., Univ. of Tokyo, ⁴ JST-CREST)	2pB01 E Identification and characterization of UV-B-specific signaling responses in rice seedlings <u>Muhammad Idris</u> , Lei Jiang, Moritoshi Iino (Bot. Gardens, Grad. Sch. Sci., Osaka City Univ.)	2pC01 Analysis of carbon translocation in the <i>flo2</i> mutant of Arabidopsis using ¹¹ CO ₂ and a positron-emitting tracer imaging system (PETIS) <u>Yohei Ishii</u> ^{1,2} , Nobuo Suzuki ² , Yong-Gen Yin ¹ , Naoki Kawachi ² , Satomi Ishii ² , Keisuke Kurita ² , Hiroaki Shimada ¹ , Shu Fujimaki ² (¹ Dept. Biol. Sci. & Tech, Tokyo Univ. Sci., ² QuBS, JAEA)	2pD01 NDH-PSI supercomplex formation via Lhca6 occurs at the early stage of subcomplex B assembly <u>Yoshinobu Kato</u> ¹ , Toshiharu Shikanai ^{1,2} (¹ Grad.Sch.Sci., Kyoto Univ., ² CREST)	2pE01 Functional analysis of chloroplastic H ₂ O ₂ -responsive genes involved in photooxidative stress responses and iron homeostasis <u>Daisuke Mori</u> ¹ , Masahiro Noshi ² , Yutaka Okamoto ¹ , Masahiro Tamoi ^{1,2} , Masaru Ohme-Takagi ^{1,4} , Takanori Maruta ¹ , Shigeru Shigeoka ^{1,2} (¹ Dept. Adv. Biosci., Grad. Sch. Agr., Kinki Univ., ² Dept. Adv. Biosci., Fac. Agr., Kinki Univ., ³ AIST, ⁴ IEST, Saitama Univ., ⁵ Dept. Appl. Biosci. and Biotech., Fac. Life and Environ. Sci., Shimane Univ.)
13:15	2pA02 Analysis of BIL7 related to brassinosteroid signaling and plant growth <u>Tomoko Miyaji</u> ^{1,3} , Takanari Ichikawa ¹ , Minami Matsui ¹ , Shozo Fujioka ¹ , Kazuo Shinozaki ¹ , Tadao Asami ^{1,3} , Takeshi Nakano ^{1,3} (¹ RIKEN, CSRS, ² Dept. Appl. Biol. Chem., Univ. of Tokyo, ³ JST-CREST)	2pB02 E Functional analyses of a CSN interacting protein, CPSF6, in <i>Arabidopsis thaliana</i> <u>Xiaojuan Zhang</u> , Takashi Aoyama, Tomohiko Tsuge (Institute for Chemical Research, Kyoto University)	2pC02 A missense allele of Arabidopsis CNGC20 gene encoding a cyclic nucleotide-gated channel affects leaf growth and maintenance of stem cell activity in shoot apical meristem. Hikaru Hirozawa, Kota Tani, <u>Chiharu Ueguchi</u> (Nagoya University, Bioscience and Biotechnology Center)	2pD02 A novel membrane-bound multi-heme cytochrome c potentially functioning in photosynthetic cyclic electron transport chain of the purple bacterium, <i>Rubrivivax gelatinosus</i> <u>Kenji Nagashima</u> ¹ , André Verméglio ² , Sakiko Nagashima ¹ , Kazuhito Inoue ^{1,3} (¹ Research Institute for Photosynthetic Hydrogen Production, Kanagawa University, ² CEA Cadarache, ³ Department of Biological Sciences, Kanagawa University)	2pE02 Interrelationship between ascorbate peroxidase function and PGR5-dependent cyclic electron flow in high light stress response <u>Takaya Okayasu</u> , Takanori Maruta, Yoshihiro Sawa, Takahiro Ishikawa (Dept. Appl. Biosci. and Biotech., Fac. Life and Environ. Sci., Shimane Univ.)
13:30	2pA03 Chemical biology research for the novel promoter for plant growth PPG and the novel plant callus inducer FPX <u>Shota Tanaka</u> ^{1,2} , Shozo Fujioka ¹ , Tetsuo Kushi ² , Hiroyuki Osada ¹ , Kazuo Shinozaki ¹ , Tadao Asami ^{1,3,4} , Takeshi Nakano ^{1,4} (¹ RIKEN, CSRS, ² Dep. Agric. Chem., Meiji Univ., ³ Dept. Biol. Sci., Univ. of Tokyo, ⁴ JST-CREST)	2pB03 CO-dependent transcriptional activation of <i>FT</i> by FE protein <u>Mio Shibuta</u> , Ayako Watanabe, Mitsutomo Abe (Grad. school of Sciences Univ. of Tokyo)	2pC03 Analysis of seasonal re-translocation of phosphate in a deciduous woody plant, <i>Populus alba</i> . <u>Yuko Kurita</u> ¹ , Kei'ichi Baba ² , Satomi Kanno ³ , Ryohei Sugita ³ , Atsushi Hirose ¹ , Miwa Ohnishi ¹ , Keiko Kosuge ¹ , Kimitsune Ishizaki ¹ , Hidehiro Fukaki ¹ , Keitaro Tano ¹ , Yasuko Kaneko ⁴ , Tomoko M. Nakanishi ¹ , Tetsuro Mimura ¹ (¹ Graduate School of Science, Kobe Univ., ² Research Institute for Sustainable Humanosphere, Kyoto Univ., ³ Graduate School of Agricultural and Life Sciences, University of Tokyo, ⁴ Institute for Environmental Science and Technology, Saitama Univ.)	2pD03 Chloroplastic <i>m</i> -type thioredoxins as major regulators of Calvin cycle during photosynthesis <u>Yuki Okegawa</u> , Ken Motohashi (Fac. Life Sci., Univ. Kyoto Sangyo)	2pE03 Isolation of <i>Arabidopsis</i> mutants with imbalanced NAD metabolism: implication for the status of plastidic NADP in mesophyll and bundle sheath development <u>Shin-nosuke Hashida</u> ¹ , Atsuko Miyagi ² , Maki Kawai-Yamada ² (¹ Environ. Sci. Lab., CRIEPI, ² Grad. Sch. Sci. & Eng., Saitama Univ.)
13:45	2pA04 Regulation of DWF4 expression in root apex by environmental light. <u>Jun Sakaguchi</u> , Yuichiro Watanabe (Graduate School of Arts and Sciences, Univ. of Tokyo)	2pB04 The conserved genetic pathway GI-FFK-CDF determines photoperiodic growth-phase transition in the liverwort <i>Marchantia polymorpha</i> . Nagayama Keitaro, <u>Yoshitake Yoshihiro</u> , Kubota Akane, Nishihama Ryuichi, Yamaoka Shohei, Kohchi Takayuki (Grad. Sch. Biostudies, Kyoto Univ.)	2pC04 Re-translocation of nutrients during heartwood formation of Poplar tree <u>Shun Manabe</u> ¹ , Yuko Kurita ¹ , Kei'ichi Baba ² , Kotaro Yamamoto ³ , Katsutoshi Takahashi ¹ , Miwa Ohnishi ¹ , Keiko Kosuge ¹ , Kimitsune Ishizaki ¹ , Hidehiro Fukaki ¹ , Tetsuro Mimura ¹ (¹ Grad. Sch. Sci., Univ. Kobe, ² RISH, Univ. Kyoto, ³ BRD, AIST)	2pD04 H ⁺ -efflux regulation by chloroplast localized ATP synthase modulate the redox state of photosynthetic electron transport chain in higher plants. <u>Masaki Hashiguchi</u> ¹ , Daisuke Takagi ¹ , Katsumi Amako ^{2,3} , Hidehiro Fukaki ¹ , Kimitsune Ishizaki ^{1,4} , Tatsuki Goh ^{1,4} , Chikahiro Miyake ¹ (¹ Department of Biological and Environmental Science, Faculty of Agriculture, Graduate School of Agricultural Science, Kobe University, ² Faculty of Nutrition, Kobe Gakuin University, ³ Department of Health and Nutrition, Jinai University, ⁴ Department of Biology, Graduate School of Science, Kobe University)	2pE04 Significance of NADPH-thioredoxin reductase C as a member of anti-oxidant defense system in <i>Anabaena</i> sp. PCC 7120 <u>Shoko Mihara</u> ¹ , Keisuke Yoshida ^{1,2} , Akiyoshi Higo ^{1,2} , Toru Hisabori ^{1,2} (¹ CRL, Tokyo Institute of Technology, ² JST, CREST)
14:00	2pA05 Biochemically gibberellin-dependent interactome between gibberellin receptors and DELLA proteins using a wheat cell-free system <u>Ryoko Miyazaki</u> , Keiichiro Nemoto, Tastuya Sawasaki (Proteo Science Center, Ehime University)	2pB05 Day length- and light quality-dependent expression of <i>BONOB</i> , a master regulatory gene for growth-phase transition in the liverwort <i>Marchantia polymorpha</i> <u>Shohei Yamaoka</u> ¹ , Keisuke Inoue ¹ , Hirokazu Tomogane ¹ , Ryuichi Nishihama ¹ , Katsushi Yamaguchi ² , Shuji Shigenobu ² , Kimitsune Ishizaki ¹ , Katsuyuki T. Yamato ⁴ , Takayuki Kohechi ¹ (¹ Grad. Sch. Biostudies, Kyoto Univ., ² Funct. Genomics Fac., NIBB, ³ Grad. Sch. Sci., Kobe Univ., ⁴ BOST, Kindai Univ.)	2pC05 A species dependent reduction of radiocesium concentration in living leaves and litterfalls of trees <u>Toshihiro Yoshihara</u> , Hideyuki Matsumura, Shin-nosuke Hashida, Takuya Kobayashi (Lab. Environ. Sci., CRIEPI)	2pD05 Glutathione feeding increases biomass productivity under the control of CO ₂ fixation cycle <u>Ken'ichi Ogawa</u> ^{1,2} , Aya Hatano-Iwasaki ^{1,2} (¹ Res. Inst. Biol. Sci. OKAYAMA (RIBS OKAYAMA), ² JST, CREST)	2pE05 Interaction of the transcription factor SII1961 with thioredoxin in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803 <u>Junichi Kujirai</u> ¹ , Taro Kadowaki ¹ , Munehito Arai ¹ , Toru Hisabori ¹ , Yukako Hihara ¹ (¹ Grad.Sch.Sci.Eng., Saitama Univ., ² Dept.Life Sci., Univ. Tokyo, ³ Chem.Res.Lab., Tokyo Inst. Tech.)

Room F	Room G	Room H	Room I	Room X	Room Y	Room Z	Time
Primary metabolism (Sugar/Lipid/Coenzyme)		Plant-microbe interaction (Immunity 3 and Symbiosis)	Transcriptional and post-transcriptional regulation	Symposium S10 Learning the Functions of the Plant Cell Wall (13:00 – 15:45)		The 12th Database Workshop (13:00 – 16:00)	
2pF01 Identification of a lipase involved in the lipid deacylation under high-light conditions in <i>Synechococcus elongatus</i> PCC 7942 <u>Nobuyuki Takatani</u>^{1,3}, Akihiro Kato¹, Kouji Kojima^{1,4}, Kazutaka Ikeda^{3,4}, Makiko Aichi^{2,4}, Shin-ichi Maeda^{1,4}, Tatsuo Omata^{1,4} (¹Grad. Sch. Bioagr. Sci. Nagoya Univ., ²Biol. Chem., Chubu Univ., ³IMS, Riken, ⁴JST CREST)	2pH01  Phospho-regulation of MARK1 and MARK32 Hidenori Matsui^{1,2}, Gang-Su Hyon¹, Yuko Nomura¹, <u>Hirofumi Nakagami</u>¹ (¹RIKEN CSRS, ²Grad. Sch. Env. Life., Okayama Univ.)	2pI01 Regulation of tobacco Ca²⁺-dependent protein kinase NtCDPK1 by autophosphorylation <u>Takeshi Ito</u>¹, Srahmi Ishida², Yohsuke Takahashi¹ (¹Grad. Sch. Sci., Hiroshima Univ., ²Grad. Sch. Sci., Univ. Tokyo)	13:00				
2pF02 Mutation in the acyl-ACP synthetase gene impairs acclimation of <i>Synechocystis</i> sp. PCC 6803 to low temperature <u>Sumie Keta</u>^{1,4}, Honoka Saruhashi¹, Nobuyuki Takatani^{2,4}, Kazutaka Ikeda^{3,4}, Kouji Kojima^{1,4}, Ui Matsumoto^{1,4}, Tatsuo Omata^{2,4}, Makiko Aichi^{1,4} (¹Biol. Chem., Chubu Univ., ²Grad. Sch. Bioagri. Sci., Nagoya Univ., ³IMS, Riken, ⁴CREST)	2pH02  Chitin recognition system in the basal land plant <i>Marchantia polymorpha</i> <u>Izumi Yotsui</u>¹, Hidenori Matsui¹, Yuko Nomura¹, Ryuichi Nishihama¹, Takayuki Kohchi², Hirofumi Nakagami¹ (¹CSRS, RIKEN, ²Grad. Sch. Biostudies, Kyoto Univ.)	2pI02 Discovery of a protein kinase family for tyrosine phosphorylation in plants <u>Keiichiro Nemoto</u>¹, Motoaki Seki², Kazuo Shinozaki², Tatsuya Sawasaki¹ (¹PROS, Ehime Univ., ²RIKEN CSRS)	13:15				
2pF03 Improvement of free fatty acid production using genetically engineered <i>Synechococcus elongatus</i> PCC7942 by enhancement of free fatty acid secretion <u>Akihiro Kato</u>¹, Nobuyuki Takatani^{1,4}, Kazuhide Use¹, Kazutaka Ikeda^{2,4}, Miyuki Matsuura¹, Kouji Kojima^{1,4}, Makiko Aichi^{1,4}, Shin-ichi Maeda^{1,4}, Tatsuo Omata^{1,4} (¹Grad. Sch. Bioagr. Sci., Nagoya Univ., ²Lab. for Metabolomics, RIKEN center for Integr. Med. Sci., ³Col. of Biosci. and Biotech., Chubu Univ., ⁴JST CREST)	2pH03  MAPKKK5 regulates activation of MAP kinases after perception of fungal chitin in Arabidopsis <u>Koji Yamaguchi</u>¹, Kenta Yamada¹, Tomomi Shirakawa¹, Akira Mine², Mari Narusaka³, Yoshihiro Narusaka³, Kazuya Ichimura¹, Kenichi Tsuda², Tamo Fukamizo¹, Naoto Shibuya¹, Tsutomu Kawasaki¹ (¹Dept. Adv. Biosci. Kindai Univ., ²MPIPZ, ³RIBS Okayama, ⁴Faculty of Agriculture, Kagawa Univ., ⁵Dept. Life Sci., Meiji Univ)	2pI03 Dual regulatory system of high-light response of PSI genes by RpaB/PsrR1 in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803 <u>Ryuta Nagayama</u>¹, Taro Kadowaki¹, Jens Georg², Annegret Wilde², Wolfgang Hess², Yukako Hihara¹ (¹Grad.Sch.Sci.Eng., Saitama Univ., ²Fac.Biol., Freiburg Univ.)	13:30				
2pF04 Effects of expression of the <i>Neisseria lactamica mtrE</i> gene in the FFA-producing strain of the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <u>Kouji Kojima</u>^{1,5}, Ui Matsumoto^{2,5}, Naoki Kachi², Sumie Keta^{3,5}, Nobuyuki Takatani^{1,5}, Akihiro Kato¹, Kenji Nakahigashi^{1,5}, Kazutaka Ikeda^{4,5}, Tatsuo Omata^{4,5}, Makiko Aichi^{2,5} (¹Grad. Sch. of Bioagric. Sci., Nagoya Univ., ²Col. of Bisci. and Biotech., Chubu Univ., ³Inst. for Adv. Biosci., Keio Univ., ⁴Lab. for Metabolomics, RIKEN Center for Integr. Med. Sci., ⁵JST-CREST)	2pH04  PBL27 directly phosphorylates MAPKKK5 to regulate activation of MAPK in chitin signaling <u>Kenta Yamada</u>¹, Koji Yamaguchi¹, Tomomi Shirakawa¹, Hirofumi Nakagami², Masayuki Fujiwara¹, Kazuya Ichimura¹, Tamo Fukamizo¹, Naoto Shibuya², Tsutomu Kawasaki¹ (¹Dept. Adv. Biosci. Kindai Univ., ²RIKEN CSRS, ³Inst. Adv. Biosci. Keio Univ., ⁴Faculty of Agriculture, Kagawa Univ., ⁵Dept. Life Sci., Meiji Univ)	2pI04 Identification and characterization of the Arabidopsis CCR4-NOT complex components. <u>Toshihiro Arae</u>¹, Yuya Suzuki¹, Yukako Chiba^{1,2,3} (¹Grad. Schl. Life Sci., Hokkaido Univ., ²Fac. Sci., Hokkaido Univ., ³JST PRESTO)	13:45				
2pF05  Functional analysis of glycogen debranching enzymes in <i>Synechocystis</i> sp. PCC 6803 Mitsuhiro Goto, Kenta Saito, Ryuichi Suzuki, <u>Eiji Suzuki</u> (Faculty of Biores Sci, Akita Pref Univ)	2pH05 Induction mechanisms of calcium ion oscillation triggered by chitin and symbiotic signal molecules <u>Naoya Takeda</u>¹, Kana Miyata², Yoko Nishizawa¹, Hanae Kaku², Naoto Shibuya², Tomomi Nakagawa¹, Masayoshi Kawaguchi¹ (¹NIBB, ²Meiji Univ., ³NIAS, ⁴Nagoya Univ.)	2pI05 Tomato RIN Gene is not Necessary for Induction of Fruit Ripening <u>Yasuhiro Ito</u>¹, Ayako Nishizawa-Yokoi², Masaki Endo², Masafumi Mikami^{2,3}, Eiichi Kotake-Nara¹, Nobutaka Nakamura¹, Seiichi Toki^{2,3,4} (¹NFRI, NARO, ²NIAS, ³Grad. Sch. Nonobio., Yokohama City Univ., ⁴Kihara Inst. Biol. Res.)	14:00				

㊦—Presentation in English

Time	Room A	Room B	Room C	Room D	Room E
	Plant hormones/ Signaling molecules	Photoresponse/Clock	Biomembrane/ Ion and solute transport	Electron transport/ CO ₂ assimilation	Environmental responses/Abiotic stresses (oxidative stress/redox regulation/light)
14:15	2pA06 Ethylene-gibberellin signaling contributes to internode elongation in submerged deepwater rice <u>Takeshi Kuroha</u> ^{1,2} , Masanari Nakamori ² , Rico Gamuyao ² , Keisuke Nagai ² , Takuya Kitaoka ² , Anzu Minami ² , Yoshinao Mori ² , Syuichi Yanagisawa ¹ , Motoyuki Ashikari ² (¹ Graduate School of Life Sciences, Tohoku Univ., ² Bioscience and Biotechnology Center, Nagoya Univ., ³ Biotechnology Research Center, Univ. of Tokyo)	2pB06 Novel kinase families identified as targets of a small molecule lengthening circadian periods <u>Yoshiyuki Mizutani</u> ¹ , Takahiro Uehara ¹ , Junichiro Yamaguchi ¹ , Saori Takao ² , Kyomi Taki ¹ , Ayato Sato ² , Keiko Kuwata ² , Kenichiro Itami ^{1,2} , Toshinori Kinoshita ^{1,2} , Norihito Nakamichi ^{1,2} (¹ Graduate School of Science, Nagoya University, ² Institute of Transformative Bio-Molecules, Nagoya University)	2pC06 OsSultr3;4 localized in the node is involved in preferential distribution of P to new leaves and grain Yuma Takemoto, <u>Naoki Yamaji</u> , Jian Feng Ma (Institute of Plant Science and Resources, Okayama University)	2pD06 Chloroplastic glutamine synthetase (GS2), a crucial enzyme for photorespiration, is absent in needle-leaved tree species <u>Shin-Ichi Miyazawa</u> ¹ , Mitsue Miyao-Tokutomi ² , Norihiro Futamura ¹ (¹ FFPRI, ² NIAS)	2pE06 Analysis of root growth mechanism regulated by ROS responsible transcriptional factor <i>RFRT1</i> and <i>RFRT2</i> <u>Hiromasa Maki</u> ¹ , Kaho Mabuchi ¹ , Tomotaka Itaya ² , Satomi Sakaoka ³ , Mika Nomoto ² , Takamasa Suzuki ⁴ , Tetsuya Higashiyama ^{2,5,6} , Yasuomi Tada ⁷ , Hironaka Tsukagoshi ^{1,7} (¹ Grad. Sch. Bioagr. Sci., Univ. Nagoya, ² Grad. Sch. Sci., Univ. Nagoya, ³ JST PRESTO, ⁴ Coll. of Biosci. and Biotech., Univ. Nagoya, ⁵ JST ERATO, Higashiyama live-holomics, ⁶ WPI-ITbM., Univ. Nagoya, ⁷ The Center for green Res., Univ. Nagoya)
14:30	2pA07 Jasmonic acid is the inhibitor for auxin signaling independent of COI1 <u>Yasuhiro Ishimaru</u> ¹ , Takeshi Suzuki ¹ , Christian Meesters ² , Erich Kombrink ² , Takumi Chinen ³ , Takeo Usui ³ , Kosaku Takahashi ⁴ , Hideyuki Mastuura ⁴ , Hidehiro Fukaki ⁵ , Ken-ichiro Hayashi ⁶ , Minoru Ueda ¹ (¹ Tohoku Univ., ² Max Planck Institute for Plant Breeding Research, ³ Tsukuba Univ., ⁴ Hokkaido Univ., ⁵ Kobe Univ., ⁶ Okayama Univ. of Sci.)	2pB07 A genetic study toward understanding action mechanism of small molecule modulators of the circadian clock <u>Kyomi Taki</u> ¹ , Takahiro Uehara ¹ , Junichiro Yamaguchi ¹ , Saori Takao ² , Hiroyuki Kasahara ³ , Kenichiro Itami ^{1,2} , Toshinori Kinoshita ^{1,2} , Norihito Nakamichi ^{1,2} (¹ Graduate School of Science, Nagoya University, ² Institute of Transformative Bio-Molecules (WPI-ITbM), Nagoya University, ³ RIKEN Center for Sustainable Resource Science (CSRS))	2pC07 New insights into the function of plasma membrane microdomains: modulation of stress-induced cell death <u>Toshiki Ishikawa</u> , Maki Kawai- Yamada (Grad. Sch. Sci. Eng.)	2pD07 Effects of overexpression of RBSCS using RCA promoter on Rubisco content of rice leaves <u>Kazuhiisa Mano</u> , Yuji Suzuki, Amane Makino (Grad. Sch. Agr. Sci., Tohoku University)	2pE07 Reactive Carbonyl Species Activate Caspase-3-Like Protease To Initiate Programmed Cell Death In Plants Md. Sanaulah Biswas ² , <u>Jun-ichi Mano</u> ^{1,2} (¹ Science Research Center, Yamaguchi University, ² United Graduate School of Agricultural Sciences, Tottori University)
14:45	2pA08 Functional analysis of ERF transcription factor gene, EP11 in jasmonate-mediated senescence in Arabidopsis <u>Kwimi Chung</u> ¹ , Toshitsugu Nakano ¹ , Nobutaka Mitsuda ¹ , Sumire Fujiwara ¹ , Masaru Ohme-Takagi ^{1,2} , Kaoru Suzuki ¹ (¹ Bioprod. Res. Inst., Natl. Inst. Adv. Ind. Sci. & Tech. (AIST), ² Inst. Envir. Sci. & Tech. (IEST), Saitama Univ.)	2pB08 Analysis of Circadian Clock Genes in the Petal Movement Mutants. <u>Yuki Segawa</u> ¹ , Anna Koike ¹ , Aya Miura ² , Kiyoshi Onai ³ , Masahiro Ishiura ³ , Shinsuke Kutsuna ¹ (¹ Grad. Sch. Nanobiosci., Univ. Yokohama, ² Dept. Sci., Univ. Yokohama, ³ Cent. Gene. Research., Univ. Nagoya)	2pC08 Outward-rectifying K ⁺ channel SPORK2 regulates nyctinastic leaf folding of <i>Samanea saman</i> <u>Takaya Oikawa</u> ¹ , Yasuhiro Ishimaru ¹ , Shintaro Munemasa ² , Yoshiyuki Murata ² , Kento Washiyama ¹ , Shin Hamamoto ³ , Nobuyuki Uozumi ³ , Nobuyuki Yoshikawa ¹ , Minoru Ueda ¹ (¹ Grad. Sch. Sci., Tohoku Univ., ² Grad. Sch. Environ. Life Sci., Okayama Univ., ³ Grad. Sch. Eng., Tohoku Univ., ⁴ Fac. Agr., Iwate Univ.)	2pD08 Changes in the amounts of Rubisco activase in transgenic rice with increased or decreased Rubisco contents <u>Mao Suganami</u> , Yuji Suzuki, Amane Makino (Grad. Sch. Agr. Sci., Tohoku Univ.)	2pE08 E The Role Of Glucosinolate-Derived Isothiocyanates In The Onset Of Internal Defense Mechanisms In <i>Arabidopsis thaliana</i> <u>Anders Overby</u> , Ralph Kissen, Atle Magnar Bones (Norwegian University of Science and Technology, Department of Biology)
15:00	2pA09 E Regulation of free sphingobases and their role in plant cell death induction René Glenz, Martin J. Mueller, <u>Frank Waller</u> (Julius-von-Sachs Institute, Julius Maximilians University Wuerzburg, Wuerzburg, Germany)	2pB09 Analysis of clock protein in the cyanobacterium <i>Prochlorococcus marinus</i> str. NATL1A <u>Akitsuugu Morita</u> ¹ , Akimitsu Yamaguchi ¹ , Yoko Kitayama ² , Tokitaka Oyama ³ , Takao Kondo ² , Shinsuke Kutsuna ¹ (¹ Grad. Sch. Nanobiosci., Univ. Yokohama City, ² Grad. Sch. Sci., Univ. Nagoya, ³ Grad. Sch. Sci., Univ. Kyoto)			2pE09 Transcriptome Analysis for response to hydrogen peroxide in Arabidopsis Ayaka Hieno ¹ , Naznin Hsuna Ara ² , Kosuke Hanada ³ , Mielko Higuchi ⁴ , Minami Matsui ^{4,5} , <u>Yoshiharu Y. Yamamoto</u> ^{1,2,4,5} (¹ United Sch. Agr. Sci., Gifu Univ., ² Fac. Appl. Biol. Sci., Gifu Univ., ³ Sch. Comp. Sci. Systems Eng., Kyushu Inst. Tech., ⁴ RIKEN CSRS, ⁵ JST ALCA)
15:15	2pA10 E A Novel Root-knot Nematode Attractant Is Released From Seeds Through Seed Coat Mucilage Extrusion <u>Allen Yi-Lun Tsai</u> , Tetsuya Arita, Ryo Kurota, Shinichiro Sawa (Kumamoto University)	2pB10 Eyespot overrides the cellular lens effect and determines correct photo- tactic direction in <i>Chlamydomonas reinhardtii</i> <u>Noriko Ueki</u> ¹ , Takahiro Ide ¹ , Yuki Kobayashi ¹ , Kan Tanaka ^{1,2} , Toru Hisabori ^{1,2} , Ken-ichi Wakabayashi ¹ (¹ CRL, Tokyo Tech., ² CREST, JST)			2pE10 Experimental identification of a transcriptional network among transcriptional factors constituting H ₂ O ₂ response <u>Ayaka Hieno</u> ¹ , Naznin Hushna Ara ² , Keiko Hasegawa ³ , Tomoko Yokogawa ² , Daichi Obata ² , Takashi Yokogawa ¹ , Mika Nomoto ⁴ , Yasuomi Tada ⁴ , Yoshiharu Y. Yamamoto ^{1,2,5,6} (¹ Uni. Grad. Sch. Agr. Sci., Gifu Univ., ² App. Biol. Sci., Gifu Univ., ³ Eng., Gifu Univ., ⁴ Center for Gene Res., Nagoya Univ., ⁵ RIKEN CSRS, ⁶ JST ALCA)

Room F	Room G	Room H	Room I	Room X	Room Y	Room Z	Time
Primary metabolism (Sugar/Lipid/Coenzyme) 2pF06 Cooperative works of H⁺-PPase and soluble PPases for PPI homeostasis in <i>Arabidopsis</i> <u>Shoji Segami</u>¹, Takaaki Tomoyama¹, Ali Ferjani², Akira Oikawa³, Kazuki Saito¹, Masami Hirai³, Masayoshi Maeshima¹ (¹Grad. Sch. Bioagr. Sci., Nagoya Univ., ²Nat. sci., Tokyo gakuji Univ., ³RIKEN CSRS) 2pF07 Purification and characterization of GtGen3A from <i>Gentiana triflora</i> that involves in gentio-oligosaccharide metabolism <u>Hideyuki Takahashi</u>¹, Kohei Fujita¹, Takumi Takeda¹, Naotake Konno² (¹Iwate Biotechnology Research Center, ²Utsunomiya University) 2pF08 Role of Long-chain base Kinase (LCBK1) in Long-chain base 1-phosphate Metabolism in <i>Arabidopsis</i> <u>Daiki Yanagawa</u>^{1,2}, Hiroyuki Imai^{1,2} (¹Department of Biology, Graduate School of Natural Science, Konan University, ²The Institute for Integrative Neurobiology, Konan University) 2pF09 Functional evaluation of dual ascorbate biosynthesis pathways in <i>Physcomitrella patens</i>. <u>Tsubasa Sodeyama</u>, Takanori Maruta, Yoshihiro Sawa, Takahiro Ishikawa (Department of Applied Bioscience and Biotechnology, Faculty of Life and Environmental Science, Shimane University) 2pF10 Properties of NAD kinase mutants in the cyanobacterium <i>Synechocystis</i> sp. PCC6803 <u>Yuuma Ishikawa</u>¹, Atsuko Miyagi¹, Yasuko Kaneko², Toshiki Ishikawa¹, Minoru Nagano¹, Masatoshi Yamaguchi¹, Yukako Hihara¹, Maki Kawai¹ (¹Department of Science and Technology Saitama University, ²Department of Education Saitama University)		Plant-microbe interaction (Immunity 3 and Symbiosis) 2pH06 Identification And Functional Analysis Of A Strigolactone-induced Putative Secreted Protein In Arbuscular Mycorrhizal Fungus <i>Rhizophagus irregularis</i> <u>Syusaku Tsuzuki</u>^{1,2}, Yoshihiro Handa¹, Naoya Takeda^{1,2}, Masayoshi Kawaguchi^{1,2} (¹Symbiotic Systems, NIBB, ²Sch. Life Sci., SOKENDAI) 2pH07 Involvement of auxin and gibberellic acid in the regulation of mycorrhizal symbiosis in <i>Bletilla striata</i> (Orchidaceae) <u>Chihito Miura</u>^{1,2}, Tatsuki Yamamoto¹, Masahide Yamato³, Katsushi Yamaguchi⁴, Shotaro Nagata¹, Yuria Otani¹, Hisayo Asao⁴, Miwako Matsumoto⁴, Takahiro Yagame⁵, Shuji Shigenobu⁴, Hironori Kaminaka¹ (¹Fac. Agr., Tottori Univ., ²Org. Reg. Ind. Acad. Coop., ³Fac. Edu., Chiba Univ., ⁴NIBB, ⁵Tsukuba Bot. Gar., Nat. Mus. Nat. Sci.) 2pH08 Analysis of type III effector proteins of <i>Bradyrhizobium elkanii</i> USDA61 which cause effector triggered immunity response in <i>Lotus japonicus</i>. <u>Shohei Kusakabe</u>¹, Takakazu Kaneko², Michiko Yasuda¹, Hiroki Miwa¹, Shin Okazaki³, Shusei Sato¹ (¹Grad. Sch. Life Sci., Tohoku Univ., ²Faculty of Life Sci., Kyoto Sangyo Univ., ³Grad. Sch. Agri., Tokyo Univ. of Agriculture and Technol.) 2pH09 Identification of transcription factors involved in nodule primordium formation downstream of <i>Lotus japonicus</i> NIN <u>Takashi Soyano</u>, Makoto Hayashi (RIKEN CSRS) 2pH10 Overexpression of <i>LjHb1</i>, a class 1 plant hemoglobin of <i>Lotus japonicus</i>, contributes to maintain the nitrogenase activity of nodules under flooding and senescence <u>Mitsutaka Fukudome</u>¹, Tomohiro Kado¹, Ken-ichi Osuki¹, Ryujiro Imaizumi², Toshio Aoki², Ken-ichi Kucho¹, <u>Toshiki Uchiumi</u>¹ (¹Grad. Sch. Sci. Eng., Kagoshima Univ., ²Dept. Appl. Biol. Sci., Nihon Univ.)	Transcriptional and post-transcriptional regulation 2pI06 Correlation analysis between binding sites of several bZIP-type transcription factors and transcription in response to light exposures <u>Yukio Kurihara</u>, Yuko Makita, Mika Kawashima, Minami Matsui (RIKEN CSRS) 2pI07 Characterization of petal specific <i>InMYB1</i> promoter from Japanese morning glory <u>Mirai Azuma</u>¹, Reina Morimoto¹, Mari Nekohashi¹, Yasumasa Morita², Atsushi Hoshino^{3,4}, Shigeru Iida¹, Yoshimi Oshima⁶, Shingo Sakamoto⁵, Nobutaka Mitsuda⁶, Masaru Ohme-Takagi^{6,7}, Koji Goto⁴, Katsuhiro Shiratake¹ (¹Grad. Sch. Bioagr. Sci., Univ. Nagoya, ²Exp. Farm. Fac. Agr., Univ. Meiji, ³NIBB, ⁴Dept. Biol. Sci., SOKENDAI, ⁵Grad. Sch. Nut. and Env. Sci., Univ. Shizuoka, ⁶Bioproduct. Res. Inst., AIST, ⁷Inst. Env. Sci. and Tech., Univ. Saitama, ⁸RIBS Okayama) 2pI08 Functional analysis of DNA methylation in <i>Marchantia polymorpha</i> <u>Yoko Ikeda</u>¹, Ryuichi Nishihama², Shohei Yamaoka¹, Takayuki Kohchi², Takashi Hirayama¹ (¹Inst. Plant Science and Resources, Okayama Univ., ²Grad. Sch. Biostudies, Kyoto Univ.) 2pI09 Profiling and characterization of microRNAs in the liverwort, <i>Marchantia polymorpha</i> <u>Masayuki Tsuzuki</u>¹, Ryuichi Nishihama², Kimitsune Ishizaki¹, Yukio Kurihara¹, Minami Matsui¹, John Bowman^{3,6}, Takayuki Kohchi², Takahiro Hamada¹, Yuichiro Watanabe¹ (¹Department of Life Sciences, Graduate School of Arts and Sciences, The University of Tokyo, ²Graduate School of Biostudies, Kyoto University, ³Graduate School of Science, Kobe University, ⁴RIKEN Center for Sustainable Resource Science, ⁵School of Biological Sciences, Monash University, ⁶Department of Plant Biology, UC Davis)	Symposium S10 Learning the Functions of the Plant Cell Wall (13:00–15:45)		The 12th Database Workshop (13:00–16:00)	14:15 14:30 14:45 15:00 15:15

● Day 2 2016/03/19 (Sat) 13:00–16:00

Time	Room A	Room B	Room C	Room D	Room E
	Plant hormones/ Signaling molecules	Photoresponse/Clock	Biomembrane/ Ion and solute transport	Electron transport/ CO ₂ assimilation	Environmental responses/Abiotic stresses (oxidative stress/redox regulation/light)
15:30	2pA11 Detection of a neurotransmitter acetylcholine from Arabidopsis <u>Jun Murata</u> , Takehiro Watanabe, Kohtaro Sugahara, Tohru Yamagaki, Toshio Takahashi (Suntory Foundation for Life Sciences)	2pB11 Quantitative Analysis of c-di-GMP Signaling Factors for Cyanobacteriochrome-Regulated Cell Aggregation <u>Gen Enomoto</u> ¹ , Yukiko Okuda ^{1,2} , Masahiko Ikeuchi ^{1,2} (¹ Grad. Sch. Arts and Sci., Univ. Tokyo, ² JST CREST)			2pE11 Investigation of molecular mechanisms for UV-B sensing in Marchantia polymorpha <u>Kenta Fujihira</u> ¹ , Asami Moriyama ¹ , Wataru Miyauchi ¹ , Takeshi Morito ¹ , Ryuichi Nishihama ² , Kimitsune Ishizaki ³ , Takayuki Kohchi ² , Youichi Kondou ¹ (¹ Kanto-Gakuin Univ., ² Grad. Sch. Biostudies, Kyoto Univ., ³ Grad. Sch. Sci., Kobe Univ.)
15:45	2pA12 Interaction between plastid signaling and hormonal signaling pathways in Arabidopsis <u>Yoshihiro Hirose</u> ¹ , Akari Tada ¹ , Yasuko Ito-Inaba ^{1,2} , Takakazu Matsuura ¹ , Izumi Mori ³ , Takehito Inaba ¹ (¹ Fac. Agr., Univ. Miyazaki, ² TT Org., Univ. Miyazaki, ³ IPSR, Okayama Univ.)				2pE12 Function of carotenoids and their biosynthesis under light stress in <i>Euglena gracilis</i> <u>Shota Kato</u> ¹ , Shinichi Takaichi ² , Takahiro Ishikawa ³ , Masashi Asahina ¹ , Senji Takahashi ¹ , Tomoko Shinomura ¹ (¹ Sch. Sci. Eng., Teikyo Univ., ² Dept. Biol., Nippon Medical Sch., ³ Fac. Life Environ. Sci., Shimane Univ.)

Time	Room A	Room B	Room C	Room D	Room E
	Plant hormones/ Signaling molecules		Membrane trafficking	Electron transport/ CO ₂ assimilation	Environmental responses/ Abiotic stresses (ion/salt/mineral)
9:00	3aA01 Phosphoproteomic analysis of the ABA signaling pathway in <i>Physcomitrella patens</i> <u>Yoshimasa Honda</u>¹, Naoyuki Sugiyama², Mayuri Kuwamura³, Ryosuke Terao⁴, Kozue Ishizuka¹, Yoichi Sakata³, Daisuke Takezawa⁴, Yasushi Ishihama², Kazuo Shinozaki⁵, Taishi Umezawa^{1,6} (¹Grad. Sch. BASE, Tokyo Univ. Agric. Tech., ²Kyoto Univ., ³Tokyo Univ. Agric., ⁴Saitama Univ., ⁵RIKEN CSRS, ⁶PRESTO, JST)		3aC01 E Polar Localization of a Boric Acid Channel NIP5;1 is Mediated by Phosphorylation and Required for Efficient Uptake of Boron in <i>Arabidopsis thaliana</i> <u>Shelling Wang</u>¹, Namibia Mitanni², Jian Feng Ma³, Satoshi Naito^{1,2}, Junpei Takano¹ (¹Grad. Sch. Agriculture, Hokkaido Univ., ²Grad. Sch. Life Science, Hokkaido Univ., ³Inst. Plant Science and Resources, Okayama Univ.)	3aD01 E A Fine-tuned Regulation of the K⁺/H⁺ Antiporter KEA3 is Required to Optimize Photosynthesis during Induction <u>Caijuan Wang</u>, Hiroshi Yamamoto, Toshiharu Shikanai (Grad.Sch.Sci.,Univ. Kyoto)	3aE01 Challenging to the elucidation of molecular mechanisms of plant salt tolerance from the <i>Mesembryanthemum crystallinum</i>. <u>Koki Nishikawa</u>¹, Takamasa Suzuki^{2,4}, Sumie Ishiguro¹, Tetsuya Higashiyama^{3,4,5}, Sakae Agarie⁶, Hironaka Tsukagoshi^{7,8} (¹Grad. Sch. Bioagr. Sci., Nagoya Univ., ²Coll. of Biosci. and Biotech., Chubu Univ., ³Grad. Sch. of Sci., Nagoya Univ., ⁴JST ERATO, Higashiyama Live-Holomics Project, ⁵WPI-ITbM, Nagoya Univ., ⁶Grad. Sch. of Agr., Kagawa Univ., ⁷Center for Gene Res., Nagoya Univ., ⁸PRESTO, JST)
9:15	3aA02 Functional analysis of SnRK2-substrate 1 in vegetative phase in <i>Arabidopsis</i> <u>Risa Suzuki</u>¹, Kozue Ishizuka¹, Toshiaki Kozaki², Kazuo Ishii², Taishi Umazawa^{1,3} (¹Grad. Sch. BASE, TUAT, ²Tokyo Univ. Agric. Tech., ³PRESTO, JST)		3aC02 The Clathrin Adaptor Complex AP2 is Required for Polar Localization but not for Vacuolar Targeting of a Borate Transporter BOR1 in <i>Arabidopsis thaliana</i> <u>Akira Yoshinari</u>¹, Masaru Fujimoto², Taro Amano¹, Shohei Yamaoka³, Tomoo Shimada⁴, Ikuko Hara-Nishimura⁴, Takashi Ueda⁵, Satoshi Naito^{1,6}, Junpei Takano¹ (¹Grad. Sch. Agr., Hokkaido Univ., ²Grad. Sch. Agric. Life Sci., Univ. Tokyo, ³Grad. Biostudies, Kyoto Univ., ⁴Grad. Sci., Kyoto Univ., ⁵Grad. Sch. Sci., Univ. Tokyo, ⁶Grad. Sch. Life Sci., Hokkaido Univ.)	3aD02 The effects of disruption of genes involved in the translation on photosynthesis in cyanobacterium <i>Synechocystis</i> sp. PCC 6803 <u>Takako Ogawa</u>, Kenta Suzuki, Kintake Sonoike (Fac. Edu., Waseda Univ.)	3aE02 E Characterization of functional small peptides related to salinity stress tolerance <u>Kentaro Nakaminami</u>¹, Chihiro Ohashi², Maho Tanaka¹, Kousuke Hanada^{2,3}, Motoaki Seki^{1,4,5} (¹Plant Genomic Network Research Team, RIKEN CSRS, ²Gene Discovery Research Group, RIKEN CSRS, ³Frontier Research Academy for Young Researchers, Kyushu Institute of Technology, ⁴Kihara Institute for Biological Research, Yokohama City University, ⁵JST CREST)
9:30	3aA03 Identification of novel ABA agonists by a high-throughput screening system based a wheat cell-free system <u>Makiko Kagawa</u>¹, Keiichiro Nemoto¹, Minoru Hayashi¹, Kentaro Tomii¹, Kenichiro Imai¹, Kazuo Shinozaki¹, Tatsuya Sawasaki¹ (¹PROS, Ehime Univ., ²Dept. of Materials Science and Biotech, Ehime Univ., ³AIST BRD, ⁴RIKEN CSRS)		3aC03 <i>Arabidopsis</i> AP-1 complex is involved in transport and accumulation of seed mucilage. <u>Sakura Sumi</u>, Tadashi Kunieda, Yasuko Koumoto, Ikuko Hara-Nishimura, Tomoo Shimada (Grad. Sch. Sci., Kyoto Univ.)	3aD03 Complexity of Electron Transfer in Chloroplast Redox Network: FTR Heterodimer Reduces Ten Trx Isoforms with Different Efficiencies <u>Keisuke Yoshida</u>^{1,2}, Toru Hisabori^{1,2} (¹Chem. Res. Lab., Tokyo Tech., ²JST, CREST)	3aE03 Calcium deficiency causes Cadmium accumulation in root apoplast of <i>Athyrium yokoscense</i> <u>Yuko Wakui</u>¹, Yuko Ukai¹, Hiroaki Shimada¹, Toshihiro Yoshihara² (¹Dept. Biol. Sci. & Tech., Tokyo Univ. Sci., ²Lab. Environ. Sci., CRIEPI)
9:45	3aA04 TPST deficient mutant reveals the involvement of sulfated-peptide signaling in protonema and gametophore development in <i>Physcomitrella patens</i> <u>Mitsuru Kakita</u>¹, Yukiko Kabeya², Mitsuyasu Hasebe², Yoshikatsu Matsubayashi¹ (¹Grad. Sch. Sci., Nagoya Univ., ²Natl. Inst. Basic Biol.)		3aC04 Domain localization of PI(3,5)P₂ and PI(4,5)P₂ <u>Tomoko Hirano</u>, Masahiko Sato (Kyoto Prefectural University)	3aD04 Comparative study on modes of inorganic carbon uptake in marine diatoms <u>Yoshinori Tsuji</u>, Anggara Mahardika, Yusuke Matsuda (Dept. of Biosci., Sch. Sci. and Tech., Kwansei Gakuin Univ.)	3aE04 E 26S proteasome represses impairment of chromatin integrity induced by boron overload stress <u>Takuya Sakamoto</u>^{1,2}, Yayoi Inui^{1,2}, Naoyuki Sotta², Takeshi Hirakawa¹, Tomoko Matsunaga¹, Masayuki Fujiwara^{3,4}, Yoichiro Fukao^{3,5}, Sachihito Matsunaga¹, Toru Fujiwara² (¹Dep. App. Biol. Sci., Fac. Sci. Tech., Tokyo Univ. Sci., ²Dep. Biotech., Grad. School Agri. Life Sci., Univ. Tokyo, ³Plant Global Education Project, NIST, ⁴Inst. Adv. Biosci., Keio Univ., ⁵Dep. Bioinfo., Ritsumeikan Univ.)

Room F	Room G	Room H	Room I	Room X	Room Y	Room Z	Time
New technology	Epigenetic regulation	Plant-microbe interaction (Immunity 4)	Organelles/Cytoskeletons/ Cell cycle/Cell division	Symposium S11 Diversity of Respiration in Photosynthesis Organisms: Strategy for O ₂ -usages in photosynthesis (9:00 – 11:50)	Symposium S12 Evolution and diversity of glucosinolate/myrosinase systems (9:00 – 12:00)		
3aF01 Development of a bioinformatics tool searching for genome-wide SSR markers by using high-throughput sequencing data. Masaaki Kobayashi, Kentaro Yano (Sch. of Agri., Meiji Univ.)	3aG01  Histone Methylation-mediated Control for Systemic Priming and Resistance in <i>Arabidopsis</i> Eva-Maria Reimer-Michalski², Eliza Po-ian Loo¹, Yuri Tajima¹, Barbara Kracher², Franziska Turck², Yusuke Saijo^{1,2,3} (¹NAIST, ²MPIPZ, ³JST PRESTO)	3aH01  The identification of novel regulators of NADPH oxidase RBOHD during plant immunity Yasuhiro Kadota¹, Yukihisa Goto¹, Jan Sklenar², Paul Derbyshire², Frank Menke², Cyril Zipfel², Ken Shirasu¹ (¹RIKEN CSRS, ²The Sainsbury Laboratory)	3aI01 Regulation of ER membrane fusion activity of RHD3 by the phosphorylation Haruko Ueda¹, Etsuo Yokota², Keiko Kuwata³, Shoji Mano⁴, Tomoo Shimada¹, Kentaro Tamura¹, Yoichiro Fukao⁵, Teruo Shimmen², Mikio Nishimura¹, Ikuko Hara-Nishimura¹ (¹Grad. Sch. Sci. Kyoto Univ., ²Grad. Sch. Sci. Univ. Hyogo, ³WPI-ITbM, Nagoya Univ., ⁴Dept. Cell Biol. Natl. Inst. Basic Biol., ⁵Dept. Bioinformatics, Ritsumeikan Univ.)				9:00
3aF02 Development Of A Novel Imaging System Using Bright Light-emitting Plants Megumi Iwano¹, Ryuichi Nishihama², Kazushi Suzuki¹, Noriyuki Suetsugu², Sakiko Ishida², Tomomi Kaku¹, Takayuki Kohchi², Takeharu Nagai¹ (¹Ins. Sci. Ind. Res., Osaka Univ., ²Grad. Sch. Biostudies, Kyoto Univ.)	3aG02 A positive role for Polycomb group protein in plant immunity Yuri Tajima¹, Yusuke Saijo^{1,2} (¹NAIST, ²JST PRESTO)	3aH02 Rice WRKY62 regulates switching between defense- and hypoxia responses. Setsuko Fukushima^{1,2}, Masaki Mori¹, Hiroshi Takatsui^{1,2} (¹Nat. Inst. Agrobiol. Sci., ²Grad. Sch. Life and Environ. Sci., Univ. Tsukuba)	3aI02 An Endoplasmic Reticulum Protein, LOA1, Prevents Phytosterol Over-Accumulating in <i>Arabidopsis thaliana</i> Leaves Takashi L. Shimada^{1,2,3}, Tomoo Shimada¹, Yozo Okazaki⁴, Hiroshi Azuma⁵, Kazuki Saito^{4,6}, Akihiko Nakano^{3,7}, Takashi Ueda^{3,8}, Yoshitaka Takano², Ikuko Hara-Nishimura¹ (¹Plant Molecular Biology, Grad. Sch. of Sci., Kyoto Univ., ²Grad. Sch. of Agric., Kyoto Univ., ³Grad. Sch. of Sci., Univ. of Tokyo, ⁴RIKEN CSRS, ⁵Plant Systematics and Evolutionary Botany, Grad. Sch. of Sci., Kyoto Univ., ⁶Chiba Univ., ⁷RIKEN Center for Advanced Photonics, ⁸JST, PRESTO)				9:15
3aF03  Apple latent spherical virus vector-induced flowering for shortening the juvenile phase in Japanese gentian and lisianthus plants Rym Fekih, Noriko Yamagishi, Nobuyuki Yoshikawa (Plant Pathology Laboratory, Faculty of Agriculture, Iwate University)	3aG03 Molecular genetic analysis of epigenetic inhibitor-induced tolerance to high salinity stress in <i>Arabidopsis</i> Minoru Ueda^{1,2}, Akihiro Matsui¹, Maho Tanaka¹, Kaori Sako¹, Taku Sasaki^{1,2}, Jong-Myong Kim¹, Akihiro Ito³, Norikazu Nishino³, Minoru Yoshida¹, Motoaki Seki^{1,2} (¹Plant Genomic Network Research Team, RIKEN CSRS, ²JST, CREST, ³Chemical Genomics Research Group, RIKEN CSRS)	3aH03 Natural variations of interactions with a root-colonizing endophytic fungus in <i>Arabidopsis thaliana</i> Yukari Oida¹, Kei Hiruma¹, Paul Schulze-Lefert¹, Yusuke Saijo^{1,3} (¹NAIST, ²Max Planck Institute, ³JST PRESTO)	3aI03 Biogenesis and maintenance of the Golgi apparatus in plant cells Yoko Ito¹, Tomohiro Uemura², Kei H. Kojo^{3,4}, Seiichi Hasegawa⁴, Takashi Ueda^{2,5}, Akihiko Nakano^{1,2} (¹RIKEN Center for Advanced Photonics, ²Grad. Sch. Sci., Univ. Tokyo, ³Grad. Sch. Front. Sci., Univ. Tokyo, ⁴LPixel Inc., ⁵PRESTO, JST)				9:30
3aF04 High-throughput screening system of transcription factors that interact with bait DNA and/or protein by employing yeast and/or plant cells Nobutaka Mitsuda¹, Shingo Sakamoto¹, Fumie Tobe¹, Yuko Takiguchi¹, Yoko Horii², Toru Ishizuka¹, Hiroaki Ichikawa¹, Minami Matsui¹, Masaru Ohme-Takagi^{1,4} (¹Bioproduction Research Institute, National Institute of Advanced Industrial Science and Technology (AIST), ²Center for Sustainable Resource Science, RIKEN, ³National Institute of Agrobiological Sciences, ⁴Graduate School of Science and Technology, Saitama University)	3aG04  Functional analysis of an HDAC inhibitor in plant salinity stress tolerance Mai Huong Nguyen^{1,2}, Kaori Sako¹, Minoru Ueda^{1,3}, Akihiro Matsui¹, Maho Tanaka¹, Norikazu Nishino⁴, Minoru Yoshida¹, Motoaki Seki^{1,2,3} (¹RIKEN, CSRS, ²Yokohama City Univ., ³Kihara, ⁴CREST, JST, ⁵Grad. Sch. Life Sci. Sys. Engin., Kyushu Inst. Technol.)	3aH04 Phosphate status-dependent coordination of root immune responses in <i>Arabidopsis</i> Taehong Lee¹, Yuuki Kubota¹, Yukari Oida¹, Kei Hiruma¹, Yusuke Saijo^{1,2} (¹NAIST, ²JST PRESTO)	3aI04  Dynamics of Golgi Apparatus under Sucrose Starvation Moses Olabiye Abiodun¹, Ken Matsuoka^{1,2} (¹Laboratory of Plant Nutrition, Dept of Bioscience and Biotech, Kyushu University, ²Biotron Application Centre, Kyushu University, Japan)				9:45

 Presentation in English

Time	Room A	Room B	Room C	Room D	Room E
	Plant hormones/ Signaling molecules		Membrane trafficking	Electron transport/ CO ₂ assimilation	Enviromental responses/ Abiotic stresses (ion/salt/mineral)
10:00	3aA05 Long-distance signaling in response to nitrogen starvation <u>Ryo Tabata</u> , Yoshikatsu Matsubayashi (Grad. Sch. Sci., Nagoya Univ.)		3aC05 Effect of PI(3,5)P2 on the function of PM-SNARE, SYP123 during root hair growth in Arabidopsis. Mina Yamamoto ¹ , Tomoko Hirano ² , <u>Masa H. Sato</u> ² (¹ Department of Life and Environmental Sciences, Kyoto Prefectural University, ² Graduate School of Life and Environmental Sciences, Kyoto Prefectural University)	3aD05 E Calcium sensing receptor homologue CrCAS is essential for induction of carbon-concentrating mechanism in <i>Chlamydomonas reinhardtii</i> <u>Lianyong Wang</u> ¹ , Takashi Yamano ¹ , Shunsuke Takane ¹ , Kosuke Tsuda ¹ , Yuki Niikawa ¹ , Chihana Toyokawa ¹ , Ryutaro Tokutsu ² , Jun Minagawa ² , Masafumi Hirono ³ , Hideya Fukuzawa ¹ (¹ Graduate School of Biostudies, Kyoto University, ² National Institute for Basic Biology, ³ Faculty of Bioscience and Applied Chemistry, Hosei University)	3aE05 E Hunting of the cesium accumulators for improved phytoremediation of radiocesium <u>Eri Adams</u> ¹ , Takae Miyazaki ¹ , Aya Hayaishi ¹ , Minwoo Han ² , Himanshu Khandelia ² , Ryoung Shin ¹ (¹ RIKEN Center for Sustainable Resource Science, ² University of Southern Denmark)
10:15	3aA06 E CLE (CLAVATA3/ESR-like) 9 controls cell proliferation in stomatal cell lineage <u>Pingping Qian</u> ¹ , Ayako Minobe ¹ , Takashi Ishida ² , Shinichiro Sawa ² , Tatsuo Kakimoto ¹ (¹ Graduate School of Science, Osaka University, ² Graduate School of Science and Technology, Kumamoto University)		3aC06 Analysis of HOPS/CORVET complexes in <i>A. thaliana</i> <u>Kodai Takemoto</u> ¹ , Kazuo Ebine ¹ , Tatsuaki Goh ² , Jun Ito ³ , Akihiko Nakano ^{1,4} , Takashi Ueda ^{1,5} (¹ Grad. Sch. of Sci., Univ. Tokyo, ² Grad. Sch. of Sci., Univ. Kobe, ³ Grad. Sch. of Bio. Sci., NAIST, ⁴ RIKEN, RAP, ⁵ PRESTO, JST)	3aD06 Cuticle Affects Calculations of Internal CO ₂ in Leaves Closing Their Stomata <u>Jun Tominaga</u> , Yoshinobu Kawamitsu (Faculty of Agriculture, University of the Ryukyus)	3aE06 SPL7 locally regulates Cu homeostasis related genes in Arabidopsis <u>Ryoichi Araki</u> ¹ , Mélanie Mermoud ^{1,2} , Hiroaki Yamasaki ³ , Takehiro Kamiya ⁴ , Toru Fujiwara ¹ , Toshiharu Shikana ^{1,2} (¹ Grad. Sch. Sci., Kyoto Univ., ² JST, CREST, ³ NIBB, ⁴ Grad. Sch. Agr. Life Sci., Univ. Tokyo)
10:30	3aA07 Analysis of CLEN3 in CLAVATA signaling pathway <u>Ayane Motomitsu</u> ¹ , Shuji Shigenobu ² , Mitsuyasu Hasebe ^{1,4} , Katsushi Yamaguchi ¹ , Masashi Yamada ¹ , Takashi Ishida ¹ , Shinichiro Sawa ¹ (¹ Grad. Sch. Sci. Technol., Kumamoto Univ., ² NIBB, ³ Duke Univ., ⁴ Grad. Sch. Adv. Stud.)		3aC07 Analysis of dynamics and domain structures of TGN (<i>trans</i> -Golgi network) in Arabidopsis <u>Yamato Komatsu</u> ¹ , Tomohiro Uemura ¹ , Yoko Ito ² , Kazuo Kurokawa ² , Takashi Ueda ^{1,3} , Akihiko Nakano ^{1,2} (¹ Grad. Sch. Sci., Univ. Tokyo, ² RIKEN RAP, ³ PRESTO, JST)	3aD07 E Comparative analysis of stomatal regulation of <i>Oryza Glaberrima</i> cv. CG14 and <i>Oryza Sativa</i> cv. Koshihikari Takuya Kitaoka ¹ , <u>Yosuke Toda</u> ¹ , Yuya Kawai ¹ , Ayumi Agata ² , Tokunori Hobo ³ , Takeshi Kuroha ⁴ , Hidemi Kitano ³ , Motoyuki Ashikari ¹ , Toshinori Kinoshita ^{1,4} (¹ Nagoya Univ., Grad. School of Sci., ² Nagoya Univ., Grad. School of Bioagr. Sci., ³ Nagoya Univ. BBC, ⁴ Nagoya Univ. ITbM, ⁵ Tohoku Univ. School of Life Sci.)	3aE07 Jasmonate signaling is activated in early stages of iron deficiency responses in rice <u>Takanori Kobayashi</u> ^{1,2} , Reiko Nakanishi Itai ¹ , Takeshi Senoura ¹ , Takaya Oikawa ¹ , Yasuhiro Ishimaru ¹ , Minoru Ueda ¹ , Hiromi Nakanishi ³ , Naoko K. Nishizawa ¹ (¹ Res. Inst. Biore. Biotech., Ishikawa Pref. Univ., ² JST, PRESTO, ³ Grad. Sch. Agr. Life Sci., The Univ. of Tokyo, ⁴ Grad. Sch. Sci., Tohoku Univ.)
10:45	3aA08 Regulation of secondary growth by <i>ERECTA</i> -family receptor genes in <i>Arabidopsis</i> hypocotyls <u>Shuka Ikematsu</u> ¹ , Masao Tasaka ² , Keiko Torii ^{1,3,4} , Naoyuki Uchida ¹ (¹ WPI-ITbM, Nagoya Univ., ² Grad. Sch. Bio. Sci., NAIST, ³ Univ., Washington, ⁴ HHMI)		3aC08 Plant-unique RAB5 effector 2 integrates ARA6 function and canonical RAB5 mediated trafficking pathway in <i>Arabidopsis thaliana</i> <u>Emi Ito</u> ¹ , Takashi Ueda ^{1,2} , Akihiko Nakano ^{1,3} (¹ Grad. Sch. Sci., Univ. Tokyo, ² JST, PRESTO, ³ RIKEN, Center for Advanced Photonics)		3aE08 Investigation of Phytochelatin and Glutathione Synthesis for Cd Detoxification in Rice <u>Shinichi Yamazaki</u> , Aya Mukai, Yosuke Ueda, Kumiko Ochiai, Toru Matoh (Grad. Sch. Agri., Univ. Kyoto)
11:00	3aA09 Regulation of an auxin response pattern by the secreted peptide EPFL2 in leaf margin <u>Toshiaki Tameshige</u> ¹ , Satoshi Okamoto ² , Jin Suk Lee ³ , Mitsuhiko Aida ² , Masao Tasaka ² , Keiko Torii ^{1,3,4} , Naoyuki Uchida ¹ (¹ Nagoya Univ., WPI-ITbM, ² NAIST, ³ Univ. Washington, ⁴ HHMI)		3aC09 Functional diversification of SYP1 members in <i>Marchantia polymorpha</i> <u>Takehiko Kanazawa</u> ¹ , Atsuko Era ^{1,2} , Naoki Minamino ¹ , Hatsune Morinaka ¹ , Takuya Norizuki ¹ , Masaru Fujimoto ¹ , Tomohiro Uemura ¹ , Ryuichi Nishihama ¹ , Katsuyuki T. Yamato ² , Kimitsune Ishizaki ³ , Tomoaki Nishiyama ⁴ , Takayuki Kohchi ¹ , Akihiko Nakano ^{1,8} , Takashi Ueda ^{1,9} (¹ Grad. Sch. Sci., Univ. Tokyo, ² Natl. Inst. Genet., ³ Grad. Sch. Agri. Life Sci., Univ. Tokyo, ⁴ Grad. Sch. Biostudies, Kyoto Univ., ⁵ Fac. Biol.-Orient. Sci. Tech., Kinki Univ., ⁶ Grad. Sch. Sci., Kobe Univ., ⁷ ASRC, Kanazawa Univ., ⁸ RIKEN RAP, ⁹ PRESTO, JST)		3aE09 A novel mechanism for regulating expression of HvAACT1, an Al-tolerance gene in barley Miho Kashino-Fujii, Naoki Yamaji, Miki Yamane, Daisuke Saisho, Kazuhiro Sato, <u>Jian Feng Ma</u> (IPSR, Okayama University)

Room F	Room G	Room H	Room I	Room X	Room Y	Room Z	Time	
New technology	Epigenetic regulation	Plant-microbe interaction (Immunity 4)	Organelles/Cytoskeletons/ Cell cycle/Cell division	Symposium S11 Diversity of Respiration in Photosynthesis Organisms: Strategy for O ₂ -usages in photosynthesis (9:00 – 11:50)	Symposium S12 Evolution and diversity of glucosinolate/myrosinase systems (9:00 – 12:00)			
3aF05 Study of DNA binding PPR proteins <u>Takehito Kobayashi</u> , Yusuke Yagi, Hisayo Noguchi, Takahiro Nakamura (Faculty of Agriculture, Kyushu University)	3aG05 Ky-2, a histone deacetylase inhibitor, confers high-salinity stress tolerance in <i>Arabidopsis thaliana</i> <u>Kaori Sako</u> ¹ , Jong-Myong Kim ¹ , Akihiro Matsui ¹ , Kotaro Nakamura ² , Maho Tanaka ¹ , Makoto Kobayashi ¹ , Kazuki Saito ^{1,3} , Norikazu Nishino ⁴ , Miyako Kusano ^{1,5} , Teruaki Tajiri ² , Minoru Yoshida ¹ , Motoaki Seki ^{1,6,7} (¹ Riken. CSRS, ² Fac. Appl. Bio. Sci., Tokyo Univ. Agri, ³ Grad. Sch. Pharm. Sci., Chiba Univ., ⁴ Grad. Sch. Life Sci. Sys. Engin., Kyushu Inst. Technol., ⁵ Grad. Sch. Life Env. Sci., Univ. Tsukuba, ⁶ Yokohama City Univ. Kihara Biol. Inst., ⁷ CREST JST)	3aH05 E Depletion of the co-receptor kinase BAK1 and PEPR-mediated danger signaling in Arabidopsis-Colletotrichum interactions Kei Hiruma ¹ , Nozomi Kitagawa ¹ , Taishi Hirase ¹ , Takaakira Inokuchi ¹ , Kohji Yamada ² , Yusuke Saijo ^{1,2,3} (¹ Nara Institute of Science and Technology, Graduate School of Biological Sciences, ² Max Planck Institute for Plant Breeding Research, ³ JST PRESTO)	3aI05 Identification of novel targets for the anaphase-promoting complex/cyclosome in Arabidopsis <u>Toshiya Suzuki</u> ^{1,2} , Keiko Kuwata ³ , Masaki Ito ^{1,2} (¹ Grad. Sch. Bioagric. Sci., Nagoya Univ., ² JST CREST, ³ ITbM, Nagoya Univ.)					10:00
3aF06 A PPR-based RNA manipulation tool for target-specific mRNA translation <u>Yusuke Yagi</u> , Takahiro Nakamura (Faculty of Agriculture, Kyushu University)	3aG06 E Molecular analysis of enhanced high-salinity stress tolerance caused by a HDAC-inhibitor treatment in cassava <u>Onsaya Patanun</u> ^{1,2} , Minoru Ueda ^{2,4} , Yoshinori Utsumi ² , Akihiro Matsui ² , Maho Tanaka ² , Chikako Utsumi ^{2,4} , Minoru Yoshida ¹ , Jarunya Narangajavana ¹ , Motoaki Seki ^{2,4} (¹ Department of Biotechnology, Faculty of Science, Mahidol University, ² Plant Genomic Network Research Team, RIKEN CSRS, ³ Chemical Genomics Research Group, RIKEN CSRS, ⁴ CREST, JST)	3aH06 E Pathogen-effector- and cell-death-dependent production and release of a danger signal in Arabidopsis <u>Taishi Hirase</u> ¹ , Takaakira Inokuchi ¹ , Kohji Yamada ¹ , Yusuke Saijo ^{1,3} (¹ NAIST, ² Kyoto. Univ, ³ PRESTO, JST)	3aI06 E Retinoblastoma resets the cell cycle after S phase through a system of interconnected feedback loops <u>Hirofumi Harashima</u> ¹ , Daniel Bouyer ² , Arp Schnitger ³ , Keiko Sugimoto ¹ (¹ RIKEN, CSRS, ² CNRS, IBENS, ³ University of Hamburg)					10:15
3aF07 Efficient production of exogenous recombinant proteins borrowed from accumulation manner of seed storage proteins in <i>Arabidopsis thaliana</i> <u>Masatake Kanai</u> , Shoji Mano, Mikio Nishimura (NIBB)	3aG07 DCL3 and DCL4 activities are changed in association with development and differentiation in Arabidopsis thaliana and Brassica rapa. <u>Midori Tabara</u> ¹ , Misato Ohtani ^{2,3} , Toshinori Kozaki ¹ , Kazuo Ishii ¹ , Hiromitsu Moriyama ¹ , Toshiyuki Fukuhara ¹ (¹ Grad. Agri., Tokyo Univ. Agri. and Tech., ² Grad.Sch.Biol.Sci., NAIST, ³ RIKEN CSRS)	3aH07 Genetic analysis for PEPR signaling upon BAK1 depletion in Arabidopsis <u>Gaku Furuhashi</u> ¹ , Koichi Otani ¹ , Gaku Murata ¹ , Kohji Yamada ² , Kei Hiruma ¹ , Yusuke Saijo ^{1,3} (¹ NAIST, ² Kyoto. Univ, ³ JST PRESTO)	3aI07 The relationship between DNA damage responses and phosphorylation of SOG1 in <i>Arabidopsis</i> <u>Kaoru Yoshiyama (Okamoto)</u> ^{1,2} , Seisuke Kimura ¹ (¹ Kyoto Sangyo Univ. Faculty of Life Sciences, ² JSPS)					10:30
3aF08 Development of efficient genome editing vectors for <i>Marchantia polymorpha</i> <u>Shigeo S. Sugano</u> ¹ , Nishihama Ryuichi ² , Makoto Shirakawa ² , Yoriko Matsuda ² , Junpei Takagi ³ , Ikuko Hara-Nishimura ³ , Keishi Osakabe ¹ , Takayuki Kohchi ² (¹ CCAIC, Tokushima Univ., ² Grad. Sch. Biostudies., Kyoto Univ., ³ Grad. Sch. Sci., Kyoto Univ.)	3aG08 The roles of epigenetic regulator ASI-AS2 and TOP1α in establishment of leaf adaxial-abaxial polarity in Arabidopsis thaliana Ayami Nakagawa ¹ , Simon Vial-Pradel ¹ , Hiro Takahashi ² , Shoko Kojima ¹ , Yasunori Machida ³ , <u>Chiyoko Machida</u> ¹ (¹ Graduate School of Bioscience and Biotechnology, Chubu University, ² Graduate School of Horticulture, Chiba University, ³ Graduate School of Science, Nagoya University)	3aH08 Genetic and Cell biological analysis of Pep response in the root of <i>Arabidopsis thaliana</i> <u>Yuki Kubota</u> ¹ , Kei Hiruma ¹ , Yusuke Saijo ^{1,2} (¹ NAIST, ² JST PRESTO)	3aI08 Analysis of an epigenetic factor involved in cell proliferation in Arabidopsis regeneration <u>Yuki Katsuyama</u> ¹ , Kaoru Sugimoto ¹ , Satoshi Kadokura ¹ , Junko Hasegawa ² , Kazuki Ishibashi ² , Jong-Myong Kim ¹ , Motoaki Seki ¹ , Sachihiro Matsunaga ¹ (¹ Dept. Appl. Sci., Fac. Sci. Tech., Tokyo Univ. Sci., ² Grad. Sci. Tech., Tokyo Univ. Sci., ³ CSRS, RIKEN)	10:45				
3aF09 Optimization of CRISPR/Cas9 genome editing to increase abiotic stress responses in Arabidopsis. <u>Yuriko Osakabe</u> ¹ , Shigeo S Sugano ¹ , Takahito Watanabe ¹ , Risa Ueta ¹ , Ryosuke Ishihara ¹ , Kazuo Shinozaki ² , Keishi Osakabe ¹ (¹ The Univ. of Tokushima, CCAIC, ² RIKEN CSRS)	3aG09 Homoeologous gene-specific epigenetic regulation of class B MADS-box gene for flower development in hexaploid wheat <u>Koji Murai</u> ¹ , Tsubasa Kuwabara ¹ , Kosuke Umekita ¹ , Miku Tanaka ¹ , Kiyotaka Nagaki ² , Minoru Murata ² (¹ Dep. Biosci., Fukui Pref. Univ., ² IPSR, Okayama Univ.)	3aH09 Separate requirement for an ER-localized nucleotide sugar transporter between the closely related pattern recognition receptors EFR and FLS2 in <i>Arabidopsis</i> <u>Takaakira Inokuchi</u> ¹ , Kazue Kanehara ² , Xunli Lu ² , Samantha Kurz ³ , Paul Schulze-Lefert ² , Cyril Zipfel ¹ , Andreas Weber ³ , Yusuke Saijo ^{1,2,3} (¹ Nara Institute of Science and Technology, ² Max Planck Institute for Plant Breeding Research, ³ JST PRESTO, ⁴ The Sainsbury Laboratory, ⁵ Institute of Plant Biochemistry Heinrich-Heine University)	3aI09 Chromatin live imaging by TALE-mediated genome visualization in plant organs <u>Sachihiro Matsunaga</u> ¹ , Satoru Fugimoto ¹ , Shigeo S. Sugano ² , Keiko Kuwata ¹ , Keishi Osakabe ² (¹ Department of Applied Biological Science, Faculty of Science and Technology, Tokyo University of Science, ² Center for Collaboration among Agriculture, Industry and Commerce, The University of Tokushima, ³ Institute of Transformative Bio-Molecules, Nagoya University)	11:00				

E—Presentation in English

● Day 3 2016/03/20 (Sun) 9:00–12:15

Time	Room A	Room B	Room C	Room D	Room E
	Plant hormones/ Signaling molecules		Membrane trafficking	Electron transport/ CO ₂ assimilation	Enviromental responses/ Abiotic stresses (ion/salt/mineral)
11:15	3aA10 Synthetic peptide that artificially exerts two distinct CLE activities <u>Yuki Hirakawa</u> ¹ , Hidefumi Shinohara ² , Yoshikatsu Matsubayashi ² , Keiko Torii ^{1,3,4} , Naoyuki Uchida ¹ (¹ WPI-ITbM, Nagoya Univ., ² Grad. Sch. Sci., Nagoya Univ., ³ Dept. Biol., Univ. Washington, ⁴ HHMI)		3aC10 Gigapixel TEM image analysis showing involvement of ER body in the lateral root cap in mass transport of (K/H)DEL-tailed proteins to the vacuole Kei Hashimoto ¹ , Naeko Narikawa ¹ , Mayumi Wakazaki ¹ , Mayuko Sato ¹ , Noriko Nagata ² , Takashi Okamoto ³ , <u>Kiminori Toyooka</u> ¹ (¹ RIKEN CSRS, ² Japan Woman's Univ. Sci., ³ Tokyo Metropolitan Univ.)		3aE10 Differential Enhanced expression of OsERDL4 is responsible for the QTL for Al tolerance improve to Al tolerance in Kasalathrice <u>Kengo Yokosho</u> , Naoki Yamaji, Jian Feng Ma (Inst. Plant Sci. Res., Univ. Okayama)
11:30	3aA11 Functional analyses of peptides involved in brassinosteroid signaling in Arabidopsis <u>Iwai Ohbayashi</u> ¹ , Takeshi Yoshizumi ² , Takeshi Haraguchi ³ , Masanori Okamoto ⁴ , Mieko Higuchi ² , Minami Shimizu ² , Mika Nomoto ⁵ , Yasuomi Tada ⁶ , Yusuke Jikumaru ⁶ , Yuji Kamiya ² , Kazuo Shinozaki ² , Kousuke Hanada ^{1,2} (¹ FRAYR, Kyushu Inst. Tech., ² CSRS, RIKEN, ³ Grad. Sch. Sci., Chiba Univ., ⁴ ALRC, Tottori Univ., ⁵ CGR, Nagoya Univ., ⁶ Agilent Tech.)		3aC11 Tissue-specific roles of <i>BEN2/VPS45</i> in regulation of auxin efflux proteins in <i>Arabidopsis thaliana</i> <u>Yuki Matsuura</u> , Tatsuo Kakimoto, Hirokazu Tanaka (Grad. Sch. Sci., Univ. Osaka)		3aE11 Ionome analysis of oxalate-rich plants with Al treatment <u>Atsuko Miyagi</u> ¹ , Shin-nosuke Hashida ² , Maki Kawai-Yamada ¹ (¹ Grad. Sch. of Sci. Engineer., Saitama Univ., ² Environ. Sci. Lab., CRIEPI)
11:45	3aA12 Analysis of the loss-of-function mutant of CCaP3, a new type cytosolic Ca ²⁺ -binding protein <u>Shohei Okuda</u> , Yuya Ouchi, Yuki Ide, Masayoshi Maeshima (Laboratory of cell dynamics graduate school of bioagricultural sciences Nagoya University)		3aC12 The N-terminal Signal Peptide with a Low Translocation Efficiency Plays an Essential Role in Plasmodesmata Localization of a Virus Movement Protein <u>Kazuya Ishikawa</u> , Shigetou Namba (Grad. Sch. Agr., Univ. Tokyo)		3aE12 Isolation and analysis of the Arabidopsis mutants showing altered ALMT1-response to Aluminum (Al) <u>Shunsuke Sato</u> , Toru Fujiwara, Takehiro Kamiya (Dept. Agr. Chem., Univ. Tokyo)
12:00	3aA13 Isolation of key factors involved in adventitious root initiation from sweet potato <u>Akane Ito</u> ¹ , Noriaki Tanabe ^{2,4} , Masahiro Tamoi ^{1,2,4} , Akiho Yokota ^{3,4} , Shigeru Shigeoka ^{1,2,4} (¹ Dept. Adv. Biosci., Grad. Sch. Agr., Kinki Univ., ² Dept. Adv. Biosci., Fac. Agr. Kinki Univ., ³ Front. Sci. Tech. Promo. Ctr., NAIIST, ⁴ JST, CREST)				

Room F	Room G	Room H	Room I	Room X	Room Y	Room Z	Time
New technology	Epigenetic regulation	Plant-microbe interaction (Immunity 4)	Organelles/Cytoskeletons/ Cell cycle/Cell division	Symposium S11 Diversity of Respiration in Photosynthesis Organisms: Strategy for O ₂ -usages in photosynthesis (9:00–11:50)	Symposium S12 Evolution and diversity of glucosinolate/myrosinase systems (9:00–12:00)		
3aF10 Establishment of high-efficient genome editing that targeted tomato <i>LA49</i> by CRISPR/Cas9 system <u>Risa Ueta</u>, Chihiro Abe, Ryosuke Ishihara, Takahito Watanabe, Shigeo Sugano, Katsuyuki Miyawaki, Sumihare Noji, Yuriko Osakabe, Keishi Osakabe (CCAIC, Tokushima Univ.) 3aF11  Evaluation on genetic variation and pathogen resistance among Sulawesi cacao (<i>Theobroma cacao</i> L.) <u>I Nengah Suwastika</u>¹, Nurul Aisyah¹, Rifka Mochtar¹, Rahmansyah Rahmansyah¹, Muslimin Muslimin², Yoko Ishizaki³, Andre Freire Cruz³, Zainuddin Basri⁴, Takashi Shiina⁵ (¹Dept. of Biology Fac. of Sciences Tadulako Univ., ²Fac. Of Forestry, Tadulako University, ³Graduate School of Life and Environmental Sciences, Kyoto Prefectural University, ⁴Fac. Of Agricultural, Tadulako University)			3aI10 TOMEI is the rapid 3D imaging technique for whole plant tissues. <u>Junko Hasegawa</u>¹, Yuki Sakamoto¹, Satoru Nakagami², Mitsuhiro Aida³, Shinichiro Sawa², Sachihiko Matsunaga^{1,4} (¹Dept. Appl. Sci., Grad. Sci., Tech., Tokyo Univ. Sci., ²Grad. Sci., Tech., Kumamoto Univ., ³Grad. Sch. Biol. Sci., NAIST, ⁴JST, CREST)				11:15 11:30 11:45 12:00

