General Presentations

Program of Oral Presentations

- Each presentation is 12-min talk and 2-min 30-sec discussion, allowing a 30-sec interval for speaker changes in a 15-min slot. To keep the session on time, please strictly concern the time limits.

1st Bell	10 min	
2nd Bell	12 min	End of Talk
3rd Bell	14 min 30 sec	End of Discussion

- Before the presentation, please check your slides in the Preview rooms on the first floor. No staff is attending the Preview rooms. For questions, please visit the Staff room on the 1st floor.

- Chairpersons are requested to come to the assigned sessions at least 15 minutes before the start time, and to notify the staff of your attendance. Please assign a chairperson to each presentation prior to the Annual Meeting.

- Chairpersons are listed at the end of Program of Oral Presentations.

● Day 1, Wed., March 13, AM (9:30–12:30)

Time	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H
	Symposium S01 Understanding of field plants and development of innovative techniques toward these plant regulation (9:30–12:30)	Symposium S02 The final phase of the photosynthetic electron transport (9:30–12:30)	Biomembrane/Ion and solute transport	Primary metabolism	Environmental responses of photosynthesi	Environmental responses A	Plant hormones/ Signaling molecules	Epigenetic regulation
9:30			1aC01 Functional analysis of water channel aquaporins involved in flower opening and closure in Japanese gentian Keiichirou Nemoto, Fumina Goto, Aiko Watanabe, Masahiro Nishihara (Iwate Biotechnology Research Center)	1aD01 Study of ramet-to-ramet communication via rhizome in response to different nitrogen condition in *Oryza longistaminata* Misato Kawai[1], Haruno Honda[1], Satoru Okamoto[2], Miwa Ohashi[1], Hitoshi Sakakibara[1] ([1]Grad. Sch. Agr., Univ. Nagoya, [2]Grad. Sch. Agr., Univ. Niigata)	1aE01 Chloroplast Relocation Caused by CO_2 in *Physcomitrella patens* Taichi Sugiyama, Ichiro Terashima (Grad. Sch. Sci., Univ. Tokyo)	1aF01 Mechanism of immediate cell death in Arabidopsis roots induced by boron deprivation Daisuke Umeki, Maako Miyamoto, Masaru Kobayashi, Toru Matoh (Grad. Sch. Agr., Kyoto Univ)	1aG01 Characterization of an Arabidopsis NPF protein involved in stomatal regulation Takafumi Shimizu[1,2], Yuri Kanno[1], Shunsuke Watanabe[1], Mitsunori Seo[1] ([1]RIKEN CSRS, [2]Grad. Sch. Sci. Tech., NAIST)	1aH01 Epigenetics controlling flower coloration and transgenerational inheritance in the Japanese morning glory Atsushi Hoshino[1,2], Yasumasa Morita[3], Kiyotaka Nagaki[4] ([1]Natl. Inst. Basic Biol., [2]Sch. Life Sci., SOKENDAI, [3]Fac. Agri., Meijo Univ., [4]Inst. Plant Sci. Res., Okayama Univ.)
9:45			1aC02 Study on membrane transporters associated with blueing of plant pigment anthocyanins Mayuko Naganawa[1], Yuri Kimura[1], Kenji Sako[1], Kumi Yoshida[2], Kin-ichi Oyama[3], Masayoshi Maeshima[1], Yoichi Nakanishi[1] ([1]Grad. Sch. Bioagr., Nagoya Univ., [2]Grad. Sch. Info., Nagoya Univ., [3]RCMS, Nagoya Univ.)	1aD02 Phenotypic analysis of an *Arabidopsis thaliana* ecotype with large biomass under nitrogen deficient conditions Atsushi Mabuchi[1], Keina Monda[1], Yasuhito Sakuraba[2], Juntaro Negi[1], Shuichi Yanagisawa[2], Koh Iba[1] ([1]Dept. Biol., Fac. Sci., Kyushu Univ., [2]Biotech. Res. Center, Univ. Tokyo)	1aE02 How does the transmittance of pea pod affect photosynthesis of seed coat? Shuto Tashiro, Kintake Sonoike (Faculty of Education and Integrated Arts and Sciences, Waseda University)	1aF02 Cell distribution with gravitaxis and photo irradiation Kazunari Ozasa, Mizuo Maeda (Bioengineering Lab., RIKEN)	1aG02 Functional Analysis Of C-type Raf-like Protein Kinases In ABA Signaling. Yoshiaki Kamiyama[1], Misaki Hirotani[1], Fuko Minegishi[1], Mika Nomoto[2], Yasuomi Tada[2], Yoichi Sakata[3], Daisuke Takezawa[4], Scott Peck[5], Taishi Umezawa[1] ([1]BASE, Tokyo Univ. Agric. Tech., [2]Centr. Gene Res., Nagoya Univ., [3]Dept. Bioscience, Tokyo Univ. Agric., [4]Grad. Sch. Sci and Eng., Saitama Univ., [5]University of Missouri, USA)	1aH02 The DNA methylation dynamics of rice shoot apical meristem and its regulatory mechanism. Asuka Higo[1], Fumihito Miura[2], Takashi Ito[2], Ko Shimamoto[3], Hiroyuki Tsuji[1] ([1]Kihara Institute for Biological Research, Yokohama City University, [2]Fac. of Med. Sci., Kyushu University, [3]Grad. Sch. of Biol. Sci., NAIST)
10:00			1aC03 Molecular function analysis of cysytinosin-like protein of *Arabidopsis thaliana* Jia Guo, Mayuko Naganawa, Midori Takemura, Masayoshi Maeshima, Yoichi Nakanishi (Grad. Sch. Bioagr., Nagoya Univ.)	1aD03 The role of the PB1 domain of NIN-Like Proteins in nitrate-inducible gene expression Mineko Konishi, Shuichi Yanagisawa (Biotech. Res. Center, Univ. Tokyo)	1aE03 The Characteristics Of Chloroplast Functions In *Arabidopsis* Photoautotrophic Culture Gen Takenaka, Satomi Takeda (Grad. Sch. Sci., Univ. Osaka Prefecture)	1aF03 Movements of PIN3 while trapping amyloplasts with an infrared laser in Arabidopsis Yoshinori Abe[1], Hiroshi Yoshikawa[2], Masatsugu Toyota[2] ([1]Dept Mol Biol, Saitama Univ, [2]Dept Biochem and Mol Biol, Saitama Univ)	1aG03 Comparative phosphoproteomic analysis reveals a decay of ABA sensitivity in barley seeds during after-ripening process Shinnosuke Ishiawa[1], Barrero Jose[2], Fuminori Takahashi[3], Hirofumi Nakagami[4], Peck Scott[5], Gubler Frank[2], Kazuo Shinozaki[3], Taishi Umezawa[1] ([1]BASE, Tokyo Univ. A&T, [2]CSIRO, [3]RIKEN CSRS, [4]Max Planck Inst., [5]Dep. Biochem, Univ. Missouri)	1aH03 Analysis of central metabolic disorder caused by global genomic hypomethylation Naoya Sugi[1], Thi Ngoc Quynh Le[1], Miyako Kusano[1,2], Kazuki Saito[2,3], Hiroshi Shiba[1] ([1]Univ. of Tsukuba., [2]RIKEN CSRS, [3]Chiba Univ.)

Room I	Room J	Room K	Room L	Room M	Room N	Room O	Time
Flowering/Clock	Vegetative growth	Plant-organism interaction A	Plant-organism interaction B	Environmental responses C	Symposium S03 Understanding the plant survival strategies from the perspective of stem cells (9:30–12:15)	Systems biology	
1aI01 Manipulation of vernalization by a histone demethylase and small compounds Makoto Shirakawa[1], Yukaho Morisaki[1], Eng-Seng Gan[2], Ayato Sato[3], Toshiro Ito[1,2] ([1]Graduate School of Science and Technology, Nara Institute of Science and Technology, [2]Temasek Life Sciences Laboratory, [3]Institute of Transformative Bio-Molecules)	1aJ01 Characterization of small molecules that increase the number of stomata Ayami Nakagawa[1], Shuya Yamada[1], Gregory Perry, J. P.[1], Ayato Sato[1], Kei Murakami[1], Naoyuki Uchida[1], Kenichiro Itami[1], Keiko Torii[1,2,3] ([1]Institute of Transformative Bio-Molecules, Nagoya University, [2]Department of Biology, University of Washington, [3]Howard Hughes Medical Institute)	1aK01 E Functional analysis of camalexin, a phytoalexin in *Arabidopsis thaliana*, against *Pseudomonas syringae* pv. *tomato* DC3000 carrying *AvrRpt2* Mizuki Iwamoto[1], Nobuhiko Nomura[2], Shigeyuki Betsuyaku[2] ([1]Grad. Sch. of Life & Env. Sci., Univ. Tsukuba, [2]Fac. Life & Env. Sci., Univ. Tsukuba)	1aL01 A Mediator subunit protein required for symbiont accommodation Takuya Suzaki[1], Naoya Takeda[2], Hanna Nishida[1], Motomi Hoshino[1], Momoyo Ito[1], Fumika Misawa[1], Yoshihiro Handa[3], Masayoshi Kawaguchi[3] ([1]Univ. Tsukuba, [2]Kwansei Gakuin Univ., [3]NIBB)	1aM01 Analysis of Molecular Mechanism of Ethanol-Inducible Heat Stress Tolerance in Arabidopsis. Yuji Sunaoshi[1,2], Akihiro Matsui[2,3], Maho Tanaka[2,3], Kayoko Mizunashi[2], Motoaki Seki[2,3,4] ([1]Grad. Sch. of Nano-Bioscience, Yokohama City Univ., [2]Plant Genomic Network Res.Team, RIKEN CSRS, [3]Plant Epigenome Regulation Laboratory, RIKEN CPR, [4]Kihara Inst. for Biol. Res., Yokohama City Univ.)	1aO01 E Comparative genomics to understand evolution of Alkaloid biosynthesis and diversification Amit Rai[1], Ryo Nakabayashi[2], Hideki Hirakawa[3], Hiroshi Tsugawa[2], Taiki Nakaya[1], Tetsuya Mori[2], Hiroki Takahashi[4], Shinji Kikuchi[1], Kazuki Saito[1,2], Mami Yamazaki[1] ([1]Chiba University, [2]RIKEN CSRS, [3]KAZUSA DNA Research, [4]Medical Mycology Chiba University)	9:30
1aI02 Reactivation of *FLOWERING LOCUS C* expression by heat after vernalization Takashi Maruoka[1], Makoto Shirakawa[2], Toshiro Ito[2,3], Eng-Seng Gan[3] ([1]Biological Sciences, Nara Institute of Science and Technology, [2]Graduate School of Science and Technology, Nara Institute of Science and Technology, [3]Temasek Life Sciences Laboratory)	1aJ02 Stomatal Closure is Delayed by Excess Pyrophosphate Mariko Asaoka[1], Shin-ichiro Inoue[2], Shizuka Gunji[3], Toshinori Kinoshita[2,4], Masayoshi Maeshima[5], Hirokazu Tsukaya[6,7], Ali Ferjani[1,3] ([1]Tokyo Gakugei University, Department of Biology, [2]Nagoya University, Graduate School of Science, Division of Biological Science, [3]Tokyo Gakugei University, United Graduated School of Education, [4]Nagoya University, Institute of Transformative Bio-Molecules (WPI-ITbM), [5]Nagoya University, Graduate School of Bioagricultural Sciences, [6]The University of Tokyo, Graduate School of Science, Department of Biological Sciences, [7]Exploratory Research Center on Life and Living Systems)	1aK02 Functional analysis of *ACCELERATED CELL DEATH 6* in plant immunity Tomomi Ogata[1], Nobuhiko Nomura[2], Shigeyuki Betsuyaku[2] ([1]Grad. Sch. Life & Env Sci., Univ. Tsukuba, [2]Fuc. Life & Env Sci., Univ. Tsukuba)	1aL02 Roles of NRSYM1 and NRSYM2 in nitrate-induced control of nodulation Hanna Nishida[1], Takamasa Suzuki[2], Momoyo Ito[1], Mika Nomoto[3], Yasuomi Tada[3], Ryo Nishijima[4], Taiji Kawakatsu[4], Masayoshi Kawaguchi[5,6], Takuya Suzaki[1] ([1]Univ. Tsukuba, [2]Chubu Univ., [3]Nagoya Univ., [4]NARO, [5]NIBB, [6]SOKENDAI)	1aM02 Functional Analysis of Mediator Subunits Involved in the Heat Stress Response Naohiko Ohama, Teck Lim Moo, Nam-Hai Chua (TEMASEK LIFE SCIENCES LABORATORY)		1aO02 E Genetic Analysis of Thailand Lime and *Citrus* Genetic Resourses Paweena Chuenwarin[1,2], Sunanta Wiphuwathinee[2], Ratchadawan Bowonchaikittikun[2], Ramonnaporn Chuenjit[2], Anyamanee Auvuchanon[1] ([1]Department of Horticulture, Faculty of Agriculture at Kampaeng Saen, Kasetsart University, Kampaeng Saen Campus, [2]Agricultural Biotechnology, Faculty of Agriculture at Kampaeng Saen, Kasetsart University, Kampaeng Saen Campus)	9:45
1aI03 *In natura* seasonal changes of the daily expression pattern of daily rhythmic genes in *Arabidopsis halleri* Tomoaki Muranaka[1], Mie N. Honjo[1], Tetsuhiro Kawagoe[1], Atsushi J. Nagano[2], Hiroshi Kudoh[1] ([1]CER, Kyoto Univ., [2]Faculty of Agri., Ryukoku Univ.)	1aJ03 E Unravelling temporally coordinated cell divisions in the Arabidopsis root meristem by a motion-tracking microscope system Katsutoshi Imizu[1], Shunsuke Miyashima[2], Tatsuaki Goh[2], Keiji Nakajima[2] ([1]Grad. Sch. Bio. Sci., NAIST, [2]Grad. Sch. Sci. Tech., NAIST)	1aK03 E Assessing the generality of the concentric SA/JA activation pattern appeared at the sites of stimuli in *Arabidopsis*. Akira Hattori[1] ([1]Grad. Sch. Agr. Bio., Univ. Tsukuba, [2]Fac. Life. Env., Univ. Tsukuba)	1aL03 An acyltransferase that is indispensable for converting phytosterols into sterol esters controls root nodule symbiosis Akihiro Yamazaki[1], Yozo Okazaki[1,2], Kazuki Saito[1,3], Kei Hashimoto[1], Kiminori Toyooka[1], Akira Miyahara[4], Miwa Nagae[4], Yosuke Umehara[4], Makoto Hayashi[1] ([1]RIKEN CSRS, [2]Mie University Graduate School and Faculty of Bioresources, [3]Chiba University Graduate School and Faculty of Pharmaceutical Sciences, [4]NIAS Division of Plant Sciences)	1aM03 Evaluation of heat tolerance to short- or long-term stress of *HsfA1* overexpressing tomato plants Yuichi Saito[1], Hirotaka Ariga[1], Ken Hoshikawa[2], Hiroshi Ezura[2], Keisuke Tanaka[3], Izumi Yotsui[1], Yoichi Sakata[1], Teruaki Taji[1] ([1]Dept. of Bioscience Tokyo Univ. of Agriculture, [2]Fac. Life Environ. Sci., Univ. Tsukuba, [3]NODAI Genome Research Center)		1aO03 E Subgenome-classification methods for genomic studies of allopolyploid Arabidopsis and wheat Kentaro K. Shimizu[1,2], Tony Kuo[3], Jun Sese[3,4], Masaomi Hatakeyama[1,5], Tim Paape[1], Gwyneth Halstead-Nussloch[1], Toshiaki Tameshige[2] ([1]University of Zurich, Department of Evolutionary Biology and Environmental Studies, [2]Yokohama City University, Kihara Institute for Biological Studies, [3]AIST, [4]Humanome Lab, [5]Functional Genomics Center Zurich)	10:00

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Time	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H
	Symposium S01 Understanding of field plants and development of innovative techniques toward these plant regulation (9:30–12:30)	Symposium S02 The final phase of the photosynthetic electron transport (9:30–12:30)	Biomembrane/Ion and solute transport	Primary metabolism	Environmental responses of photosynthesi	Environmental responses A	Plant hormones/ Signaling molecules	Epigenetic regulation
10:15			1aC04 [Cancelled]	1aD04 E Molecular mechanism underlying feedback regulation of nitrogen response by glutamine in plants Pengcheng Guo, Shuichi Yanagisawa, Mineko Konishi (Biotechnology Research Center, Univ. Tokyo)	1aE04 Comparative Analysis of Photosynthetic Acclimation to Low Temperature among Ecotypes of *Arabidopsis thaliana* Yuna Kamiura, Ryo Inohana, Hiroshi Ozaki, Ko Noguchi (Sch. Life Sci., Tokyo Univ. Pharm. Life Sci.)	1aF04 Growth angle of lateral roots is regulated by *LZY3* expression level Shogo Mori[1], Moritaka Nakamura[2], Ryuichiro Oshida[3], Takeshi Nishimura[2], Masahiko Furutani[4], Miyo T. Morita[2] ([1]Sch. Agr., Nagoya Univ., [2]NIBB, [3]Grad. Sch. Bioagri. Sci., [4]Col. Life Sci., Fujian Agriculture and Forestry Univ.)	1aG04 Aberrant protein phosphatase 2C leads to ABA insensitivity and high transpiration in parasitic plants Striga hermonthica Hijiri Fujioka[1], Hiroaki Samejima[1,2], Hideyuki Suzuki[3], Masaharu Mizutani[1], Masanori Okamoto[4,5], Yukihiro Sugimoto[1,2] ([1]Grad. School of Agric. Sci., Kobe Univ., [2]JST/JICA SATREPS, [3]Kazusa DNA Research Inst., [4]Ctr. Biosci. Res. & Educ., Utsunomiya Univ., [5]JST/PRESTO)	1aH04 Molecular evidence of local adaptation throughout epigenetic mutations for regulating secondary metabolites of Arabidopsis thaliana accessions Kazumasa Shirai[1], Mitsuhiko Sato[2], Ryo Nakabayashi[3], Ranko Nishi[3], Kazumi Abe[4], Jong-Myong Kim[3], Motoaki Seki[3], Minami Shimizu[3], Kazuo Shinozaki[3], Yutaka Suzuki[4], Kazuki Saito[3,5], Kousuke Hanada[1,3] ([1]Department of Bioscience and Bioinformatics, Kyushu Institute of Technology, [2]Faculty of Medical Sciences, Kyushu University, [3]RIKEN Center for Sustainable Resource Science, [4]Department of Computational Biology and Medical Sciences, Graduate School of Frontier Sciences, The University of Tokyo, [5]Graduate School of Pharmaceutical Sciences, Chiba University)
10:30			1aC05 E Involvement of NGAL1 transcription factor in Boron transport under low and high Boron Munkhtsetseg Tsednee[1], Ricardo Fabiano Giehl[2], Mayuki Tanaka[1], Nicolaus von Wiren[2], Toru Fujiwara[1] ([1]The University of Tokyo, [2]Leibniz Institute of Plant Genetics and Crop Plant Research (IPK), Germany)	1aD05 NIGT1 transcription factor proteins positively modulate phosphorus signaling in a nitrogen condition-dependent manner in Arabidopsis Yoshiaki Ueda[1], Takatoshi Kiba[2], Shuichi Yanagisawa[1] ([1]Biotech. Res. Center, Univ. Tokyo, [2]Grad. Sch. Bioagr. Sci., Nagoya Univ.)	1aE05 Effect of the cyanobacterial bicarbonate transporters targeted to the chloroplast inner envelope membrane on the accumulation of plastid proteins in *Arabidopsis* Susumu Uehara[1], Yasuko Ito-Inaba[2], Takehito Inaba[2] ([1]Grad. Sch. Agr. and Eng., Univ. Miyazaki, [2]Fac. Agr., Univ. Miyazaki)	1aF05 Localization analysis of LZY3, a key factor of gravity signaling, in statocytes Moritaka Nakamura[1], Takeshi Nishimura[1], Chiemi Kondo[2], Masahiko Furutani[3], Masatoshi Taniguchi[4], Miyo T. Morita[1] ([1]NIBB, [2]Sch. Agr., Nagoya Univ., [3]Col. Life Sci., Fujian Agriculture and Forestry Univ., [4]Grad. Sch. Bioagri. Sci.)	1aG05 Protein kinase CK2 α and β subunits reversely regulate ABRE-dependent ABA signaling in *Arabidopsis* Yukari Nagatoshi[1], Miki Fujita[2], Yasunari Fujita[1,3] ([1]JIRCAS, [2]RIKEN CSRS, [3]Univ.Tsukuba)	1aH05 Ribozyme provided from virus vector can induce demethylation in a sequence-specific manner Reika Isoda[1], Wataru Matsunaga[1], Senri Shirakawa[1], Tsuyoshi Inukai[1], Takeshi Matsumura[2], Chikara Masuta[1] ([1]Res.Fac.Agr., Univ. Hokkaido, [2]AIST)
10:45			1aC06 Role of N- and C-terminal of rice silicon transporter Lsi1 in its polar localization Noriyuki Konishi, Jian Feng Ma (IPSR, Okayama Univ.)	1aD06 Nitrate signaling impacts on multiple metabolic pathways via *de novo* biosynthesis of NAD^+ in *Arabidopsis*. Moriaki Saito[1], Atsuko Miyagi[2], Mineko Konishi[1,2], Maki Kawai-Yamada[2], Shuichi Yanagisawa[1] ([1]Biotechnology Research Center, The University of Tokyo, [2]Graduate School of Science and Engineering, Saitama University)	1aE06 Day-Length-dependent-Delayed-Greening1 (DLDG1), a homolog of the cyanobacterial H+-extraction-protein, localizes in chloroplast envelope membrane and regulates qE. Kyohei Harada[1], Takatoshi Arizono[1], Ryoichi Sato[1,2], Natsuhiko Maekawa[1], Mai Duy Luu Trinh[1], Masaru Kono[3], Shinichi Takaichi[4], Shinji Masuda[5] ([1]Department of Life Sciences and Technology, Tokyo Institute of Technology, [2]Division of Environmental Photobiology, National Institute for Basic Biology, [3]School of Science, The University of Tokyo, [4]Department of Molecular Microbiology, Faculty of Life Science, Tokyo University of Agriculture, [5]Center for Biological Resources and Informatics, Tokyo Institute of Technology)	1aF06 Analysis of the molecular function of *RLD* gene family in *Arabidopsis*. Takeshi Nishimura[1], Moritaka Nakamura[1], Masahiko Furutani[3], Masatoshi Taniguchi[2], Miyo T. Morita[1] ([1]NIBB, [2]Graduate School of Bioagricultural Sciences, Nagoya University, [3]College of Life Science, Fujian Agriculture and Forestry University)	1aG06 E A role of the feedforward loop consisting of Dof2.1 and MYC2 transcription factors in jasmonate responses Mengna Zhuo, Yasuhito Sakuraba, Shuichi Yanagisawa (Biotechnology Research Center, The University of Tokyo)	1aH06 Control of histone methylation at the onset of endoreplication Hirotomo Takatsuka, Masaaki Umeda (Graduate School of Science and Technology, Nara Institute of Science and Technology)

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Flowering/Clock	Vegetative growth	Plant-organism interaction A	Plant-organism interaction B	Environmental responses C	Symposium S03 Understanding the plant survival strategies from the perspective of stem cells (9:30–12:15)	Systems biology	
1aI04 Regulation Of Seasonal Sensing Mechanism By Modulating Circadian Clocks Atsuhiro Hirohata[1,2], Yuta Yamatsuta[2], Takashi Araki[1], Motomu Endo[2] ([1]Grad. Biostudies, Kyoto Univ., [2]Grad. Sci. and Tech., NAIST)	1aJ04 E Identification of Key transcription factors that determine pericycle stem cell potential in Arabidopsis Ye Zhang[1], Nobutaka Mitsuda[2], Takeshi Yoshizumi[3], Yoichi Kondo[3], Masaru Takagi[2], Minami Matsui[3], Tatsuo Kakimoto[1] ([1]Grad. Sch. Sci., Univ. Osaka, [2]National Institute of Advanced Industrial Science and Technology, [3]Plant Science Center, RIKEN Yokohama Institute)	1aK04 E Evolutionary process of a pair of R genes, Pit-1 and Pit-2 Yuying Li, Qiong Wang, Huimin Jia, Yoji Kawano (PSC, CAS)	1aL04 E Functional characterization of Rhizobium LCO receptors in the nodulating non-legume *Parasponia* Kana Miyata[1,2], Luuk Rutten[1], Yuda Roswanjaya[1], Rene Geurts[1] ([1]Wageningen Univ., [2]JSPS Overseas Research Fellow)	1aM04 Dissecting the genetic mechanism in heat tolerance of Bs-2, a heat tolerant *A. thaliana* accession Masaaki Ono, Kotaro Nakamura, Izumi Yotsui, Yoichi Sakata, Teruaki Taji (Dept. of Bioscience, Tokyo Univ. Of Agriculture)		1aO04 Characterization of core promoters in plants Kyonoshin Maruyama[1], Yoshiharu Yamamoto[2], Tetsuya Sakurai[3] ([1]Biol. Resources Post-harvest Div., [2]Fac. Appl. Biol. Sci., Gifu Univ., [3]Multi. Sci. Cluster, Kochi Univ.)	10:15
1aI05 Evaluation of effects of external stimuli on circadian rhythms at a single-cell level by using cells isolated from *AtCCA1::LUC Arabidopsis* Shunji Nakamura, Shogo Ito, Tokitaka Oyama (Grad. Sci., Univ. Kyoto)	1aJ05 E A transcriptional cascade of root hair growth in response to environmental signals Michitaro Shibata, Ayako Kawamura, Keiko Sugimoto (RIKEN, CSRS)	1aK05 E OsGAPC1 acts as a NO sensor to trigger disease resistance to rice blast fungus through histone acetylation Ken-Ichi Kosami[1], Jing Su[2], Ko Shimamoto[2], Yoji Kawano[1] ([1]Shanghai Center for Plant Stress Biology, Chinese Academy of Sciences, [2]Laboratory of Plant Molecular Genetics, Grad. Dept. of Biological Science, NAIST)	1aL05 Natural variations in root-associated fungus *Colletotrichum tofieldiae* in *A. thaliana* roots Kei Hiruma[1,2], Takuma Inoue[1], Shigetaka Yasuda[1], Yusuke Saijo[1] ([1]NAIST.Bio, [2]JST, Presto)	1aM05 E Functional Analysis of 70 kDa Heat Shock Proteins in the Regulation of Heat Stress Responsive Gene Expression in Arabidopsis Asad Jan[1], Huimei Zhao[1], Naohiko Ohama[1], Shinya Koizumi[1], Kazuya Kusakabe[1], Junya Mizoi[1], Satoshi Kidokoro[1], Kazuo Shinozaki[2], Kazuko Yamaguchi-Shinozaki[1] ([1]Grad. Sch. Agr. Life Sci., Univ. Tokyo, [2]Center for Sustainable Resource Science, RIKEN)		1aO05 Development of Promoter Prediction Methods Using DNA Sequences Tosei Hiratsuka[1], Yoshiharu Yamamoto[1,2,3] ([1]Grad. Sch. Nat. Sci. Tech., Univ. Gifu, [2]Fac. Appl. Biol. Sci., Univ. Gifu, [3]CSRS., Riken)	10:30
1aI06 Possible action mechanism of new small molecule lengthening circadian period in Arabidopsis thaliana Azusa Ono[1], Hiromi Matsuo[2], Ayato Sato[2], Toshinori Kinoshita[2,3], Norihito Nakamichi[2,3] ([1]School of Science, Nagoya University, [2]Institute of Transformative Bio-molecules, Nagoya University, [3]Graduate School of Science, Nagoya University)	1aJ06 Rhizotaxis Plasticity in Arabidopsis is Modulated by Diffusible Compounds from an Endophytic Fungus, *Srendipita indica* Aoi Inaji[1], Atsushi Okazawa[1], Toshiyuki Ohnishi[2], Daisaku Ohta[1] ([1]Grad. Sch. Life Env Sci., Univ. Osaka Pref, [2]Grad. Sch. Agr., Univ. Shizuoka)	1aK06 E MPK3/6-WRKY33-ALD1-Pipecolic acid Regulatory Loop Contributes to Systemic Acquired Resistance Yiming Wang, Kenichi Tsuda (Max Planck Institute for Plant Breeding Research)	1aL06 E Fungal phosphate export via SYG1 triggers symbiosis-specific lipid biosynthesis in the host of arbuscular mycorrhiza Hayato Maruyama[1], Satoshi Asaeda[1], Kaede Yokoyama[1], Yusaku Sugimura[1], Katsuharu Saito[2], Chikara Masuta[1], Tatsuhiro Ezawa[1] ([1]Grad. Sch. Agri., Hokkaido Univ., [2]Fac. Agri., Shinshu Univ.)	1aM06 Seasonal change of cold-induced calcium signaling and the influence of the volatile chemicals in the atmosphere Hayato Hiraki[1], Manabu Watanabe[2], Matsuo Uemura[1,3], Yukio Kawamura[1,3] ([1]United Grad. Sch. Agri. Sci., Iwate Univ., [2]Field Sci., Agri., Iwate Univ., [3]Agri., Iwate Univ.)		1aO06 Variation of gene regulatory networks of flowering in barley under field conditions Komaki Inoue[1], Kotaro Takahagi[1,2], Yukiko Uehara[1], Minami Shimizu[1], Daisuke Saisho[3], Takakazu Matsuura[3], Asaka Kanatani[3], Jun Ito[2], Hiroyuki Tsuji[2], Takashi Hirayama[3], Keiichi Mochida[1,2,3] ([1]CSRS, RIKEN, [2]KIBR, Univ. Yokohama-City, [3]IPSR, Univ. Okayama)	10:45

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Time	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H
	Symposium S01 Understanding of field plants and development of innovative techniques toward these plant regulation (9:30–12:30)	Symposium S02 The final phase of the photosynthetic electron transport (9:30–12:30)	Biomembrane/Ion and solute transport	Primary metabolism	Environmental responses of photosynthesi	Environmental responses A	Plant hormones/ Signaling molecules	Epigenetic regulation
11:00			1aC07 E Functional analysis of a node-expressed transporter for phytosiderophore in rice Jing Che, Kengo Yokosyo, Naoki Yamaji, Jian Feng Ma (Institute of Plant Science and Resources, Okayama University)	1aD07 Physiological roles of NAD kinases in cyanobacterium Synechocystis sp. PCC 6803 Yuuma Ishikawa[1], Atsuko Miyagi[1], Toshiki Ishikawa[1], Minoru Nagano[2], Masatoshi Yamaguchi[1], Kintake Sonoike[3], Yukako Hihara[1], Yasuko Kaneko[1], Maki Kawai[1] ([1]Grad, Sch. Sci. Engineer., Saitama Univ, [2]Grad, Sch. Sci. Ritsumeikan Univ, [3]Fac. Edu. Integ. Arts Sci., Waseda Univ.)	1aE07 Roles of a galactolipase, Galp1, in acclimation to high light in *Synechococcus elongatus* PCC 7942 Nobuyuki Takatani[1], Kazutaka Ikeda[2], Tatsuo Omata[1] ([1]Grad. Sch. Bioagr. Sci. Nagoya Univ., [2]RIKEN IMS)	1aF07 Gravity Response Observed in Specific Part of *Marchantia polymorpha* Mimi Hashimoto-Sugimoto[1], Takuya Norizuki[2,3], Takashi Ueda[2,4], Miyo T. Morita[1,4,5] ([1]Grad. Sch. Bioagr. Sci., Univ. Nagoya, [2]Div. Cellular Dinamics, NIBB, [3]Grad. Sch. Sci., Univ. Tokyo, [4]Sch. Life Sci., SOKENDAI, [5]Div. Plant Environ. Res., NIBB)	1aG07 Receptor-like kinases that specifically respond to herbivore elicitors in plants Takuya Uemura[1], Masakazu Hachisu[1], Ryosuke Hoshino[1], Keiichirou Nemoto[2], Ayako Yoshida[3], Shigetoshi Miura[1], Makoto Nishiyama[3,4], Chiharu Nishiyama[1], Shigeomi Horito[1], Yoshitake Desaki[1], Tatsuya Sawasaki[5], Gen-ichiro Arimura[1] ([1]Tokyo University of Science, [2]IBRC, [3]Biotechnology research center, [4]CRIIM, [5]PROS)	1aH07 Histone demethylation is involved in gene priming for plant regeneration Sachihiro Matsunaga[1], Hiroya Ishihara[1], Haruka Tenman[1], Satoshi Kadokura[1], Soichi Inagaki[2], Yayoi Inui[1], Takuya Sakamoto[1], Takamasa Suzuki[3], Kengo Morohashi[1], Tetsuji Kakutani[2], Kaoru Sugimoto[1] ([1]Dept. Applied Bio. Sci., Fac. Sci. Tech., Tokyo Univ. Sci., [2]Nat. Inst. Genet., [3]College Biosci. Biotech., Chubu Univ.)
11:15			1aC08 E Cell and tissue specific regulation of sodium homeostasis by major transporters conferring salinity tolerance in rice (*Oryza sativa* L.) Md. Imtiaz Uddin[1], Mohammad Monjur Hossain[2], Md. Abdul Kader[2], Shahin Imran[3], Md. Ashraful Islam[1], Md. Monirul Islam[1], Hosne-ara Begum[1], Md. Harun-or Rashid[1] ([1]Biotechnology Division, Bangladesh Institute of Nuclear Agriculture (BINA), [2]Department of Agronomy, Bangladesh Agricultural University (BAU), [3]Institute of Plant Science and Resources, Okayama University)	1aD08 E Identification and biochemical analysis of a deubiquitinating enzyme as an interactor of C/N regulatory ubiquitin ligase ATL31 in Arabidopsis Yongming Luo, Shigetaka Yasuda, Yu Lu, Yoko Hasegawa, Takeo Sato, Junji Yamaguchi (Fac. Sci. and Grad. Sch. Life Sci., Hokkaido Univ.)	1aE08 Redox Regulation Mechanisms for Switching Chloroplast Metabolism during Day/Night Cycle Keisuke Yoshida, Toru Hisabori (CLS, Tokyo Tech.)	1aF08 Bend-induced cytosolic and nuclear calcium signatures in Arabidopsis roots Yuta Takano[1], Masatsugu Toyota[2] ([1]Dept Biochem and Mol Biol, Saitama Univ, [2]Dept Biochem and Mol Biol, Saitama Univ)	1aG08 Identification of long-distance mobile mRNA in Plants. Ken-ichi Kurotani[1], Hiroki Tsutsui[1], Yu Sawai[1], Takamasa Suzuki[4], Michitaka Notaguchi[1,2,3] ([1]Grad. Sch. Bioagri. Sci., Nagoya Univ., [2]ITbM, Nagoya Univ., [3]PRESTO, Nagoya Univ., [4]Grad. Sch. Biosci. Biotech, Chubu Univ.)	1aH08 Molecular recognition mechanism of species-specific centromeric histone H3 variants in plants Hidenori Takeuchi[1,2], Tetsuya Higashiyama[2,3], Frederic Berger[4] ([1]Inst. Adv. Res., Nagoya Univ., [2]ITbM, Nagoya Univ., [3]Grad. Sch. Sci., Nagoya Univ., [4]GMI, Austria)
11:30			1aC09 High affinity K^+ transporter *AtHAK5* expression is affected by both Internal and external K status. Satomi Kanno[1,2], Ludovic Martin[2], Laurent Nussaume[2], Arain Vavasseur[2], Nathalie Leonhardt[2] ([1]Fac. of Life and Environ. Sci. Univ. of Tsukuba, [2]CEA)	1aD09 Sugar-responsive transcription factor bZIP3 affects leaf development in *Arabidopsis* Miho Sanagi[1], Yu Lu[1], Shoki Aoyama[1], Nobutaka Mitsuda[2], Miho Ikeda[3], Masaru Ohme-Takagi[2,3], Takeo Sato[1], Junji Yamaguchi[1] ([1]Fac. Sci. and Grad. Sch. Life Sci., Hokkaido Univ., [2]Bioproduction Research Institute, National Institute of Advanced Industrial Science and Technology (AIST), [3]Grad. Sch. Sci. Eng., Saitama Univ.)	1aE09 Redox regulation system in heterocysts of nitrogen-fixing cyanobacterium *Anabaena* sp. PCC 7120 Shoko Mihara, Keisuke Yoshida, Ken-ichi Wakabayashi, Toru Hisabori (Lab. Chem. Life Sci., Tokyo Tech.)	1aF09 Long-distance rapid Ca^{2+} and electrical signals in *Mimosa pudica* Takuma Hagihara[1], Tomohiro Miura[2], Hiroaki Mano[3], Mitsuyasu Hasebe[3,4], Masatsugu Toyota[2] ([1]Sci., Univ. Saitama, [2]Grad. Sch. Sci., Univ. Saitama, [3]Evol. Biol., Natl. Inst. Basic Biol., [4]Life Sci., Grad. Univ. Advanced Studies)	1aG09 Development of a micro-grafting chip for Arabidopsis Yaichi Kawakatsu[1], Hiroki Tsutsui[1], Naoki Yanagisawa[2], Yu Sawai[1], Shuka Ikematsu[3], Hideyuki Arata[2], Tetsuya Higashiyama[2,3], Michitaka Notaguchi[1,3,4] ([1]Grad. Sch. Bioagri. Sci., Nagoya Univ., [2]Grad. Sch. Sci., Nagoya Univ., [3]ITbM-WPI, Nagoya Univ., [4]PRESTO, JST)	1aH09 Histone demethylase LDL1 promotes homologous recombination repair via demethylation of H3K4me2 Takeshi Hirakawa[1], Keiko Kuwata[2], Sachihiro Matsunaga[1] ([1]Dept. Applied Bio. Sci., Fac. Sci. Tech., Tokyo Univ. Sci., [2]WPI-ITbM, Nagoya Univ.)
11:45			1aC10 Long-distance signaling in response to Fe-starvation Ryo Tabata[1], Kumiko Ikuta[1], Hana Tamura[1], Takehiro Kamiya[2], Keitaro Tanoi[2], Yoshikatsu Matsubayashi[3], Hitoshi Sakakibara[1] ([1]Grad. Sch. Bioagr. Sci. Nagoya univ., [2]Grad. Sch. Agr. And LifeSch., Univ. Tokyo, [3]Grad. Sch. Sci. Nagoya univ.)	1aD10 Metabolic effect of pyrophosphate on starch accumulation in columella cells of *Arabidopsis* Satoru Kinoshita, Shoji Segami, Masayoshi Maeshima (Grad. Sch. Bioagr. Sci., Nagoya Univ.)	1aE10 CRISPR/Cas9-mediated gene modification of thioredoxin-targeted enzyme in chloroplasts Yuichi Yokochi[1], Florian Hahn[2], Andreas Weber[2], Keisuke Yoshida[1], Ken-ichi Wakabayashi[1], Toru Hisabori[1] ([1]Lab. for Chem. and Life Sci., Tokyo Tech., [2]Inst. of Plant Biochem., Heinrich Heine Univ.)	1aF10 Effects of Glutathione on the Yield of Large Grains in Black Soybean Kenji Henmi, Ken'ichi Ogawa (RIBS Okayama)	1aG10 E ROS and Ca^{2+} signals involved in stress-induced long-distance signaling in *Marchantia polymorpha* Kenji Hashimoto[1], Hiroki Shindo[2], Takeru Itabashi[2], Hikaru Mizoe[2], Kazuyuki Kuchitsu[1,2,3] ([1]Imaging Frontier Center, Tokyo Univ. of Science, [2]Dept. of Appl. Biol. Sci., Tokyo Univ. of Science, [3]Agricultural Interdisciplinary Sci. & Tech. Course, Tokyo Univ. of Sci.)	1aH10 Nuclear lamina protein CRWN regulates gene positioning of a copper transport family gene locus Yuki Sakamoto[1], Mayuko Sato[2], Takamasa Suzuki[3], Kiminori Toyooka[2], Shingo Takagi[4], Sachihiro Matsunaga[1,5] ([1]IFC, RIST, Tokyo Univ. Sci., [2]CSRS, RIKEN, [3]Dept. Biol. Chem., College Biosci. Biotech., Chubu Univ., [4]Dept. Biol. Sci., Grad. Sch.Sci., Osaka Univ., [5]Dept. App. Biol. Sci., Fac. Sci. Tech., Tokyo Univ. Sci.)

Room I	Room J	Room K	Room L	Room M	Room N	Room O	Time
Flowering/Clock	Vegetative growth	Plant-organism interaction A	Plant-organism interaction B	Environmental responses C	Symposium S03 Understanding the plant survival strategies from the perspective of stem cells (9:30–12:15)	Systems biology	
1aI07 Function Analysis of Receiver-like Domain of Central Oscillator PRR Family Constituting Plant Clock Yusuke Takata, Masahide Kobayashi, Hiroki Hurukawa, Takafumi Yamashino (Grad. Sch. Sci., Univ. Nagoya)	1aJ07 Identification of an Arabidopsis mutant with altered root hair formation Kanari Shimada[1], Satoshi Iuchi[2], Atsuko Iuchi[2], Kohji Yamada[1], Keishi Osakabe[1], Yuriko Osakabe[1] ([1]Fac. Biosci. Bioindust., Tokushima Univ., [2]BRC, RIKEN.)	1aK07 E *In planta* bacterial multi-omics illuminates regulatory logic underlying plant-pathogen interactions Tatsuya Nobori, Kenichi Tsuda (Max-Planck Institute for Plant Breeding Research)	1aL07 Mycorrhizal gene coexpression network: a core regulatory module for mycorrhizal formation and functioning under diverse and fluctuating environments Yusaku Sugimura[1], Ai Kawahara[2], Hayato Maruyama[1], Tatsuhiro Ezawa[1] ([1]Grad. Sch. Agri., Hokkaido Univ, [2]Sumitomo Chemical)	1aM07 Effects of topoisomerase inhibitor on cold-acclimation of Arabidopsis Mari Ushiyama, Ryota Mihara, Yasuko Ito-Inaba, Takehito Inaba (Fac. Agr.,Univ.Miyazaki)		1aO07 Annual transcriptome dynamics in natural environments reveals plant seasonal adaptation Atsushi J. Nagano[1], Tetsuhiro Kawagoe[2], Jiro Sugisaka[2], Mie N. Honjo[2], Koji Iwayama[3], Hiroshi Kudoh[2] ([1]Fac. Agr., Ryukoku Univ., [2]Cent. Ecol., Kyoto Univ., [3]Cent. Data Sci., Shiga Univ.)	11:00
1aI08 Mechanisms for sharing time-information among tissues in Arabidopsis thaliana Kyohei Uemoto[1,2], Yumi Kunimoto[2], Takashi Araki[1], Motomu Endo[2] ([1]Grad. Sch. Biostudies., Univ. Kyoto, [2]Grad. Sch. Bio., Univ. NAIST)	1aJ08 Analysis of periodic cellular behaviors during root cap detachment in *Arabidopsis thaliana* Tatsuaki Goh, Koki Ueno, Shunsuke Miyashima, Keiji Nakajima (Grad. Sch. Sci. Tech., NAIST)	1aK08 E Regulatory mechanism of PAMP-triggered immunity by REAL1, a novel component of PRR complex Yukihisa Goto[1,2], Yasuhiro Kadota[2], Hidenori Matsui[1,3], Jan Sklenar[4], Paul Derbyshire[4], Frank Menke[4], Hirofumi Nakagami[1,5], Cyril Zipfel[4,6], Ken Shirasu[1,2] ([1]RIKEN CSRS, [2]Grad. Sch. Sci., Univ. Tokyo, [3]Grad. Sch. Envi life Sci., Univ. Okayama, [4]The Sainsbury Laboratory, [5]MPI for Plant Breeding Research, [6]IPMB., Univ. Zurich)	1aL08 Isolation and characterization of symbiotic microbes in quinoa seeds. Yoshinori Murata, Yasunari Fujita (Japan International Research Center for Agricultural Sciences)	1aM08 Analysis of plant adaptation to temperature using metabolome and transcriptome Natsuki Hayami[1], Miyako Kusano[2,3], Kyonoshin Maruyama[4], Mieko Higuchi-Takeuchi[2], Kousuke Hanada[5], Minami Matsui[2], Yoshiharu Yamamoto[1,2] ([1]Grad. Sch. Agr. Sci., Gifu Univ., [2]RIKEN CSRS, [3]Fac. Life and Env. Sci., Tsukuba Univ., [4]JIRCAS, [5]Frontier Research Academy for Young Researchers, Kyushu Institute of Technology)		1aO08 Artificial reproduction of plant seasonal responses in the smart growth chambers Yuko Kurita[1], Hironori Takimoto[2], Mari Kamitani[1], Yoichi Hashida[1], Makoto Kashima[1], Ayumi Tezuka[1], Takanari Tanabata[3], Atsushi J. Nagano[1] ([1]Faculty of Agriculture, Ryukoku Univ., [2]Faculty of Computer Science and Systems Engineering, Okayama Pref. Univ., [3]Kazusa DNA Research Institute)	11:15
1aI09 Cell-type specific circadian clock regulates cell fate Koutarou Torii[1], Keisuke Inoue[1], Keita Bekki[1], Motomu Endo[2] ([1]Grad. Sch. Bio., Univ. Kyoto, [2]Bio. Sci, NAIST)	1aJ09 Comparative analysis of molecular network of root cortex formation in *Arabidopsis* and *Cardamine* Koichi Toyokura[1,2,3], Tatsuaki Goh[2,4], Masato Sakane[2,6], Yrjo Helariutta[3,5], Tatsuo Kakimoto[1], Hiroshi Kudoh[6], Hidehiro Fukaki[2] ([1]Grad. Sch. Sci., Osaka Univ., [2]Grad. Sch. Sci., Kobe Univ., [3]Sainsbury Lab., Univ. Cambridge, [4]Grad. Sch. Sci. Tech., Nara Inst. Sci. Tech., [5]Inst. Biotech., Univ. Helsinki, [6]Center Eco. Res., Kyoto Univ.)	1aK09 E Identification and characterization of revertants of the *dde2/ein2/pad4/sid2*-quadruple mutant, which exhibit disease resistance Shuta Asai, Yu Ayukawa, Asuka Yoshida, Soshi Tsuchiya, Takuya Okubo, Ken Shirasu (Center for Sustainable Resource Science, RIKEN)	1aL09 E Morphological regulation network in the insect galls of Machilus thunbergii in Taiwan Tin-Han Shih[1], Kai-Chieh Chang[1,2], Szu-Hsien Lin[1], Chi-Ming Yang[1] ([1]BRC Academia Sinica, Taipei, Taiwan, [2]Department of Life Science, National Taiwan Normal University, Taipei, Taiwan)	1aM09 Freezing process of Forsythia stems visualized using MRI Masaya Ishikawa[1], Timothy Stait-Gardner[2], Hiroki Murakawa[1], Hideyuki Yamazaki[3], Kazuyuki Kuchitsu[1], William S. Price[2] ([1]Tokyo Univ Sci, [2]Western Sydney Univ, [3]NITE-IPOD)		1aO09 Reproduction of Rice Transcriptome Dynamics under Fluctuating Field Environments by SmartGC Yoichi Hashida[1], Ayumi Tezuka[1], Mari Kamitani[1], Makoto Kashima[1], Yuko Kurita[1], Atsushi J. Nagano[2] ([1]Res. Inst. Food Agr., Univ. Ryukoku, [2]Fac. Agr., Univ. Ryukoku)	11:30
1aI10 Effect of light and temperature fluctuation on *FT* expression under natural conditions Akane Kubota[1], Nayoung Lee[2], Motomu Endo[1], Takato Imaizumi[2] ([1]Div. of Bioscience, NAIST, [2]Dept. of Biology, Univ. of Washington)	1aJ10 Co-option of a factor involved in lateral root development to *Lotus japonicas* nodule organogenesis Takashi Soyano[1,2], Makoto Hayashi[3], Masayoshi Kawaguchi[1,2] ([1]NIBB, [2]SOKENDAI, [3]RIKEN)	1aK10 A positive role for Polycomb repressive complex in systemic immunity and defense priming in *Arabidopsis thaliana* Yuri Tajima[1], Eva-Maria Reimer-Michalski[2], Eliza Po-Iian Loo[1], Barbara Kracher[2], Franziska Turck[2], Masanao Sato[3], Yusuke Saijo[1,2] ([1]NAIST, [2]Max Planck Institute for Plant Breeding Research, [3]Hokkaido Univ.)	1aL10 E ERN1 may function as an additional regulator of NIN to promote infection thread formation in Lotus japonicus Meng Liu[1,2], Takashi Soyano[1,2], Koji Yano[1], Makoto Hayashi[3], Masayoshi Kawaguchi[1,2] ([1]Division of Symbiotic Systems, National Institute for Basic Biology, [2]Department of Basic Biology, School of Life Science, SOKENDAI, [3]Center for Sustainable Resource Science, RIKEN)	1aM10 Regulation of metabolic network under nutritional stresses in Brassica plants Kana Nakayama, Mutsumi Watanabe, Takayuki Tohge (Plant Secondary Metabolism Lab., NAIST)		1aO10 Incorporating neighbor identity into a genome-wide association mapping of insect herbivory Yasuhiro Sato[1], Rie Shimizu-Inatsugi[2], Misako Yamazaki[2], Kentaro K. Shimizu[2], Atsushi J. Nagano[3] ([1]JST PRESTO/Ryukoku University, [2]IEU, University of Zurich, [3]Faculty of Agriculture, Ryukoku University)	11:45

E=Presentation in English

● Day 1, Wed., March 13, AM (9:30–12:30)

Time	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H
	Symposium S01 Understanding of field plants and development of innovative techniques toward these plant regulation (9:30–12:30)	Symposium S02 The final phase of the photosynthetic electron transport (9:30–12:30)	Biomembrane/Ion and solute transport	Primary metabolism	Environmental responses of photosynthesi	Environmental responses A	Plant hormones/ Signaling molecules	Epigenetic regulation
12:00			1aC11 Functional analyses of ALMT-family malate transporters in tomato Takayuki Sasaki[1], Michiyo Ariyoshi[1], Toshihiro Obata[2], Izumi Mori[1], Yoko Yamamoto[1] ([1]IPSR, Okayama Univ., [2]Dept. Biochem./Center Plant Sci. Innov., Univ. Nebraska, Lincoln)	1aD11 E Comparative analysis of starch metabolism in diazotrophic and non-diazotrophic cyanobacteria Eiji Suzuki (Fac Bioresour Sci, Akita Pref Univ)	1aE11 The non-photochemical quenching observed in the dark is affected by the growth light condition rather than the organic carbon source in Chlamydomonas reinhardtii Masahiro Misumi, Kintake Sonoike (Edu. Int. Arts. Sci., Univ. Waseda)	1aF11 Acrolein is a common substrate of plant glutathione transferase Rika Kuramitsu[1,3], Sayaka Kanameda[1], Nagisa Matsuura[2], Yasuo Yamauchi[2], Jun'ichi Mano[3] ([1]Fac. Agr., Yamaguchi Univ., [2]Grad. Sch. Agr., Kobe Univ., [3]Sci. Res. Center., Yamaguchi univ.)	1aG11 Functional analysis of *PIP5K7* and *PIP5K8* in *Arabidopsis thaliana* Ryo Kuroda, Mariko Kato, Tomohiko Tsuge, Takashi Aoyama (Institute for Chemical Research, Kyoto University)	1aH11 Exploring biological meanings of the correct centromere distribution in plants Takuya Sakamoto[1], Yuki Sakamoto[2], Yuka Oko[1], Takamasa Suzuki[3], Stefan Grob[4], Ueli Grossniklaus[4], Sachihiro Matsunaga[1] ([1]Dep. App. Biol. Sci., Fac. Sci. Tech., Tokyo Univ. Sci., [2]IFC, RIST, Tokyo Univ. Sci., [3]College. Biosci. Biotch., Chubu Univ., [4]Univ. Zurich)
12:15			1aC12 Investigation of photosynthesis-dependent regulation of the phosphorylation status of plasma membrane H^+-ATPase in stomatal guard cells. Eigo Ando[1], Toshinori Kinoshita[1,2] ([1]Div. Biol. Sci., Grad. Sch. Sci., Nagoya Univ., [2]WPI-ITbM, Nagoya Univ.)	1aD12 E The differential roles of OsNLP1 and OsNLP4 in regulating growth under nitrate condition in rice. Mengyao Wang[1], Takahiro Hasegawa[1], Makoto Hayashi[2], Yoshihiro Ohmori[1], Koji Yano[1], Takehiro Kamiya[1], Toru Fujiwara[1] ([1]Graduate School of Agricultural and Life Sciences, The University of Tokyo, [2]RIKEN Center for Sustainable Resource Science)		1aF12 H_2O_2 inactivates carbonyl-detoxifying enzymes to increase carbonyl load that trigger programmed death of tobacco cells. Ryota Terada[1], Md. Sanaullah Biswas[2], Jun'ichi Mano[3] ([1]Fac. Agr., Yamaguchi Univ., [2]Dept. Horticulture. BSMR Agricultural Univ., [3]Sci. Res. Center, Yamaguchi Univ.)	1aG12 Elucidation of the mechanism by which planar polarity is established for root hair development in *Arabidopsis thaliana* Taichi Kishimoto, Mariko Kato, Tomohiko Tsuge, Takashi Aoyama (ICR, Kyoto Univ.)	1aH12 Analysis of transposon regulation by the Polycomb Repressive Complex Masataka Yamada[1], Kosuke Nozawa[2], Atsushi Kato[3], Hidetaka Ito[3] ([1]Sch. Sci., Univ. Hokkaido, [2]Grad. Sch. Life Sci., Univ. Hokkaido, [3]Fac. Sci., Univ. Hokkaido)

Room I	Room J	Room K	Room L	Room M	Room N	Room O	Time
Flowering/Clock	Vegetative growth	Plant-organism interaction A	Plant-organism interaction B	Environmental responses C	Symposium S03 Understanding the plant survival strategies from the perspective of stem cells (9:30–12:15)	Systems biology	
1aI11 Biochemical analysis of DNA-binding ability of a transcription factor, FD, which controls flowering Kasane Bando[1], Keiichirou Nemoto[2], Akira Nozawa[1], Tatsuya Sawasaki[1] ([1]PROS, Ehime Univ., [2]Iwate Biotechnology Research Center)	1aJ11 Differentiation of a single layer of epidermis: identification of regulators acting upstream and downstream of ATML1 Hiroyuki Iida[1], Ayaka Yoshida[1], Nozomi Takada[1], Miharu Ito[1], Gerd Jürgens[2], Shinobu Takada[1] ([1]Dept. Biol. Sci., Grad. Sch. Sci., Osaka Univ, [2]ZMBP, Univ. Tübingen)	1aK11 Analysis of cell wall-derived elicitors during herbivory in rice Tomonori Shinya[1], Yuka Fujiwara[1], Kiwamu Hyodo[1], Yoshihisa Yoshimi[2], Katsuya Hara[2], Yoichi Tsumuraya[2], Toshihisa Kotake[2], Ivan Galis[1] ([1]IPSR, Okayama Univ., [2]Grad. Sch. Sci. Eng., Saitama Univ.)	1aL11 E Phytopathogens: A good opportunity to improve rice culture under changing environmental conditions Marouane Baslam[1,2], Kimiko Itoh[1,2], Kentaro Kaneko[1,2], Kentaro Edurne[3], Mohammad-Reza Hajirezaei[4], Karel Dolezal[5], Javier Pozueta-Romero[3], Toshiaki Mitsui[1,2] ([1]Faculty of Agriculture, Laboratory of Biochemistry, Niigata University, [2]Department of Life and Food Sciences, Graduate School of Science and Technology, Niigata University, [3]CSIC, UPNA, Gobierno de Navarra, Instituto de Agrobiotecnologia, Spain, [4]Leibniz Institute of Plant Genetics and Crop Plant Research (IPK), Gatersleben, Germany, [5]Leibniz Institute of Plant Genetics and Crop Plant Research (IPK), Gatersleben, Germany)	1aM11 Prediction of environmental response in field-grown rice using expression-dynamics-QTL Makoto Kashima[1], Ryota Sakamoto[1,2], Hiroki Saito[3,4], Satoshi Okubo[3,5], Shunsuke Adachi[5], Yoichi Hashida[1,5], Kazuki Tomizawa[5], Ayumi Tezuka[1], Ayumi Deguchi[1], Yuko Kurita[1], Atsushi J. Nagano[6] ([1]Res. Inst. for Food and Agri., Ryukoku Univ., [2]Seibi Seni. High Sch., [3]Grad. sch. of Agri., Kyoto Univ., [4]Trop. Agri. Res. Fro., JIRCAS, [5]Inst. of Global Inn. Res., Tokyo Univ. of Agri. and Tech., [6]Facu. of Agri., Ryukoku Univ.)		1aO11 Update of the omics databases PODC and CatchUP Shizuka Koshimizu[1], Yukino Nakamura[1], Misa Saito[1], Maasa Kanno[1], Eiji Nambara[2], Kentaro Yano[1] ([1]Sch. Agri., Meiji Univ., [2]Sch. Cell & Systems Biol., Univ. Toronto)	12:00
1aI12 Quantitative evaluation of the efficiency of a transiently-introduced CRISPR/Cas9 system based on the observation of cellular circadian phenotypes Yuki Kanesaka[1], Masaaki Okada[2], Takashi Araki[1], Tokitaka Oyama[2] ([1]Grad.Sch. Biostudies, Univ.Kyoto, [2]Grad.Sch.Science, Univ. Kyoto)	1aJ12 Analysis of *cop1*-induced Inflorescence Morphology in *Arabidopsis* Mayu Nakagawa, Risa Takeuchi, Takumi Oonuma, Kiyotaka Shibata (Fac. Sci. Engn., Ishinomaki Senshu Univ.)	1aK12 Arabidopsis lipoxygenase 2 controlled by calcium ion catalyzes oxidation of galactolipid to induce green leaf volatile-burst Satoshi Mochizuki, Kenji Matsui (Grad. Sch. Sci. and Tech. for Innov., Univ. Yamaguchi)	1aL12 Cell biological analysis of the infection process in symbiotic interactions between orchids and mycorrhizal fungi Chihiro Miura[1], Miharu Saisho[1], Yoshikatsu Sato[2], Takahiro Yagame[3], Tetsuya Higashiyama[2,4], Masahide Yamato[5], Hironori Kaminaka[1] ([1]Fac. Agr., Tottori Univ., [2]WPI-ITbM, Nagoya Univ., [3]Mizuho Kyo-do Mus., [4]Grad. Sch. Sci., Nagoya Univ., [5]Fac. Edu., Chiba Univ.)	1aM12 Direct and indirect priming by seasonal environments in *Arabidopsis halleri* Mie N. Honjo[1], Tomoaki Muranaka[1], Haruki Nishio[1], Tasuku Ito[1], Naoko Emura[1,2], Hiroshi Kudoh[1] ([1]Center for Ecological Research, Kyoto Univ., [2]Fac. Agr., Kagoshima Univ.)			12:15

E=Presentation in English

● Day 1, Wed., March 13, PM (14:00–17:00)

Time	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H
	Symposium S04 Strategies of mechanical optimization in plants (14:00–17:00)	Symposium S05 Metabolisms as Survival Strategy in Plants (14:00–17:00)	Cell cycle/Cell division	Primary metabolism, Secondary metabolism	Photosynthesis, Environmental responses of photosynthesis	Symposium S06 Plant adaptation strategies via ABA-mediated signaling in change of environmental conditions (14:00–17:00)	Plant hormones/ Signaling molecules	Reproductive growth
14:00			1pC01 Identification and characterization of a substrate of *Arabidopsis* MPK4 MAPK required for plant cytokinesis Masanobu Tomita[1], Yudai Mikami[1], Ryutaro Nakaoku[1], Takahiro Hamada[2], Hirofumi Nakagami[2,3], Takashi Hashimoto[4], Yasunori Machida[5], Michiko Sasabe[1] ([1]Facul. of Agri. & Life Sci., Hirosaki Univ., [2]Grad. Sch. Art Sci., Univ. Tokyo, [3]Max Planck Institute for Plant Breeding Research, [4]Grad. Sch. Biol. Sci., NAIST, [5]Grad. Sch. of Sci., Nagoya Univ.)	1pD01 Possible Regulation of Sucrose-Starch Distribution by a Photosynthesis-Responsive Raf-Like Protein Kinase in *Marchantia polymorpha* Eri Koide[1], Asuka Shintaku[1], Mika Terai[1], Yuko Nomura[2], Izumi Yotsui[2], Noriyuki Suetsugu[1], Hirofumi Nakagami[2,3], Takayuki Kohchi[1], Ryuichi Nishihama[1] ([1]Grad. Sch. Biostudies, Kyoto Univ., [2]RIKEN, CSRS, [3]MPIPZ)	1pE01 Manipulation of the Stomatal Density Affects the Response of Stomatal Opening and CO_2 Assimilation to the Fluctuating Light Kazuma Sakoda[1,2], Tomoo Shimada[3], Shigeo S. Sugano[4,5], Ikuko Hara-Nishimura[6], Yu Tanaka[1,5] ([1]Graduate School of Agriculture, Kyoto University, [2]Research Fellow of Japan Society for the Promotion of Science, [3]Graduate school of Science, Kyoto University, [4]Ritsumeikan Global Innovation Research Organization, [5]JST, PRESTO, [6]Faculty of Science and Engineering, Konan University)		1pG01 E Ancient Arabinogalactans Modulate Auxin Signaling In *Physcomitrella patens* To Regulate Polarity Ooi-Kock Teh[1,2], Junling Ren[3], Mitsuyasu Hasebe[4], Tomomichi Fujita[2] ([1]IAHE, Univ. Hokkaido, [2]Dept Biol. Sci., Univ. Hokkaido, [3]Univ. Louisville, Dept. Biol., [4]NIBB, Division Evol. Biol.)	1pH01 A mechanism controlling stem cell maintenance in rice: Function of the FON signaling and ASP1 corepressor Chie Suzuki, Wakana Tanaka, Hiro-Yuki Hirano (Sch. Sci., Univ. Tokyo)
14:15			1pC02 Dynamic recruitment of sterol biosynthetic machinery to the cell plate ensures the normal cytokinesis in Arabidopsis Yuka Yamaroku[1], Ayaka Fuwa[1], Kazuo Ebine[2,3], Takashi Ueda[2,3], Daisaku Ohta[1] ([1]Grad. Sch. Life Env. Sci., Osaka Pref. Univ., [2]Div. Cellular Dynamics, NIBB, [3]Sch. Life Sci., SOKENDAI)	1pD02 Structure-Function Analysis of a Raf-Like Protein Kinase That Is Involved in Photosynthesis Signaling in *Marchantia Polymorpha* Asuka Shintaku, Eri Koide, Takayuki Kohchi, Ryuichi Nishihama (Grad. Sch. Biostudies, Kyoto Univ.)	1pE02 Effects of chemically synthesized ether-linked PGs on photoinhibition of PSII Haruhiko Jimbo[1], Kaichiro Endo[2], Masato Abe[3], Hajime Wada[1] ([1]Grad. Sch. Arts and Sci., Univ. Tokyo, [2]Malopolska Centre of Biotech., Jagiellonian Univ., Poland, [3]Grad. Sch. Agriculture, Ehime Univ.)		1pG02 E Biochemical analysis of phenylacetic acid methyltransferase gene for auxin metabolism in Arabidopsis Eiko Takubo[1], Makoto Kobayashi[2], Kosuke Fukui[3], Ken-ichiro Hayashi[3], Hiroyuki Kasahara[4] ([1]Grad. Sch. Agric., Tokyo Univ. Agric. Tech., [2]RIKEN CSRS, [3]Dep. Biochem., Okayama Univ. Sci., [4]GIR, Tokyo Univ. Agri. Tech.)	1pH02 The *RI* and *RIL* genes encoding BELL1-type homeodomain transcription factors regulate inflorescence architecture and meristem maintenance in rice Takuyuki Ikeda[1], Wakana Tanaka[1], Taiyo Toriba[1,2], Akiteru Maeno[3], Katsutoshi Tsuda[3], Toshihiko Shiroishi[3], Tetsuya Kurata[4], Tomoaki Sakamoto[5], Masayuki Murai[6], Hiroaki Matsusaka[7], Toshihiro Kumamaru[7], Hiro-Yuki Hirano[1] ([1]Sch. Sci., Univ. Tokyo, [2]Grad. Sch. Life Sci., Tohoku Univ., [3]Natl. Inst. Genet., [4]EditForce Inc., [5]Fac. Life Sci., Kyoto Sangyo Univ., [6]Kochi Univ., [7]Grad. Sch. Agric., Kyushu Univ.)
14:30			1pC03 E Identification and Characterization of a Putative Borealin in Arabidopsis Shinichiro Komaki[1], Yuki Hamamura[2], Maren Hesse[2], Takashi Hashimoto[1], Arp Schnittger[2] ([1]Grad. Sch. Biol. Sci., NAIST, [2]Univ. Hamburg)	1pD03 Function of the serine biosynthetic enzyme 3-phosphoglycerate dehydrogenase in *Marchantia polymorpha* Hiromichi Akashi[1,2], Ayuko Kuwahara[1], Ryuichi Nishihama[3], Yoriko Matsuda[3], Hiromitsu Tabeta[1,4], Eiji Okamura[1], Ali Ferjani[4], Takayuki Kohchi[3], Masami Yokota Hirai[1,2] ([1]RIKEN CSRS, [2]Grad. Sch. Bioagricultural Sci., Nagoya Univ., [3]Grad. Sch. Biostudies, Kyoto Univ., [4]Dept. Biology, Tokyo Gakugei Univ.)	1pE03 Development of biopolymer production system using carbon dioxide and nitrogen fixation abilities of marine purple photosynthetic bacteria Mieko Higuchi-Takeuchi, Keiji Numata (RIKEN CSRS, Biomacromolecules Research Team)		1pG03 CYP79A2-dependent biosynthesis pathway of phenylacetic acid in Arabidopsis. Yuki Aoi[1], Noriko Takeda[2], Yumiko Takebayashi[2], Ken-ichiro Hayashi[3], Hiroyuki Kasahara[1,4] ([1]Grad. Sch. Agric., Tokyo Univ. Agric. Tech., [2]RIKEN CSRS, [3]Dep. Biochem., Okayama Univ. Sci., [4]GIR, Tokyo Univ. Agri. Tech.)	1pH03 E Two quantitative trait loci for panicle length influence panicle architecture in rice. Ayumi Agata[1], Tokunori Hobo[2], Koki Ando[1], Yasuko Fujishiro[1], Takamasa Suzuki[4], Hitoshi Sakakibara[1,3], Sayaka Takehara[2], Miyako Ueguchi-Tanaka[2], Makoto Matsuoka[2], Kazuyuki Doi[1], Motoyuki Ashikari[2], Hidemi Kitano[2] ([1]Grad. Sch. Bioagr. Sci., Nagoya U., [2]Biosci. Biotec. Ctr., Nagoya U., [3]CSRS, RIKEN, [4]Grad. Sch. Biosci. Biotech., Chubu U.)

Room I	Room J	Room K	Room L	Room M	Room N	Room O	Time
Organelles/ Cytoskeleton	Vegetative growth	Plant-organism interaction A	Transcriptional, post-transcriptional/Translational regulations/Protein modification & degradation	Environmental responses B		Systems biology	
1pI01 The checkpoint kinase TOR modulates chloroplast ribosomal RNA synthesis through expression of a nuclear-encoded chloroplast RelA-SpoT homolog (RSH) in a unicellular red alga Sousuke Imamura[1], Yuhta Nomura[2], Tokiaki Takemura[1], Imran Pancha[1], Keiko Taki[1], Kazuki Toguchi[1], Yuzuru Tozawa[2], Kan Tanaka[1] ([1]CLS, Tokyo Tech, [2]Grad. Sch. Sci. and Eng., Saitama Univ.)	1pJ01 Genetic Analysis of Genes Influencing Stem-Cell Homeostasis in *Arabidopsis* Ryuji Tsugeki (Grad. Sch. Sci., Kyoto Univ.)	1pK01 E Damage-associated Pep peptides influence root architecture and microbiome in rice Masako Fuji[1], Yuniar Devi Utami[1,2], Shigetaka Yasuda[1], Rena Tani[1], Yuichi Hongoh[2], Yutaka Sato[3], Yusuke Saijo[1] ([1]Grad. Sch. Sci Tech., NAIST, [2]Sch. Life Sci. Tech., Tokyo Tech, [3]NIG)	1pL01 Characterization of the *de novo* activated transcription start sites in the *Arabidopsis* genome Takayuki Hata[1], Soichirou Satoh[1], Naoto Takada[1], Mei Kazama[1], Chihiro Hayakawa[1], Makoto Tachikawa[1], Mitsuhiro Matsuo[1], Sergei Kushnir[2], Junichi Obokata[1] ([1]Grad. Sch. of Life and Env. Sci., Kyoto Pref. Univ., [2]Sus. Dev., Vale Inst. of Tech.)	1pM01 E Functional complementation of ABA biosynthesis using cell-type specific promoters Takashi Kuromori, Eriko Sugimoto, Kazuo Shinozaki (RIKEN CSRS)		1pO01 Generative Model-based Inference of Gene Expression State Space in Higher Plants Yuichi Aoki[1,2], Takeshi Obayashi[2], Kengo Kinoshita[1,2] ([1]ToMMo, Tohoku Univ., [2]Grad. Sch. Info. Sci, Tohoku Univ.)	14:00
1pI02 Identificaiton of DNA ligase that define the shape of chloroplast nucleoids Yoshiki Nishimura[1], Yusuke Kobayashi[2], Takashi Hamaji[1], Toshiharu Shikanai[1] ([1]Lab. of Plant Mol. Genet., Dep. of Bot., Kyoto Univ., [2]Dep. of Cell Genet., NIG)	1pJ02 Functional analysis of glycosyltransferase SEC in *Arabidopsis thaliana* de-differentiation and shoot regeneration processes Takahiro Kameyama, Umihito Nakagawa, Kazuo Kamemura, Makoto Hayashi, Aya Imamura (Nagahama Inst.of Bio-sci.&tech.)	1pK02 Pattern Recognition Receptor-mediated Control of Plasma Membrane Intrinsic Proteins (PIPs) in Plant Immunity Taishi Hirase[1], Shigetaka Yasuda[1], Lionel Verdoucq[2], Kohji Yamada[3], Iris Finkemeier[4], Hirofumi Nakagami[3,5], Christophe Maurel[2], Yusuke Saijo[1-3] ([1]Grad. Sch. Biological Sciences., NAIST, [2]Biochimie et Physiologie Moleculaire des Plantes., CNRS, [3]Max Planck Institute for Plant Breeding Research, [4]Institute for Plant Biology and Biotechnology., Univ. Munster, [5]CSRS., RIKEN)	1pL02 Gene expression of mucus proteins in tissues of Japanese bunching onion (*Allium fistulosum*) Atsuko Takeuchi, Hiroshi Ueda (Institute of Vegetable and Floriculture Science, NARO)	1pM02 Synthetic promoters for ABA response in Arabidopsis Takumi Tsuchiya[1], Cheng Ri Zhao[1], Sahoo Smita[5], K. Panda Sanjib[5], Natsuki Hayami[1], Kyonoshin Maruyama[6], Satoshi Iuchi[4], Yoshiharu Yamamoto[1,2,3] ([1]Grad. Sch. Nat. Sci. Tech., Univ. Gifu, [2]Fac. appl. Biol. Sci., Univ. Gifu, [3]CSRS., Riken, [4]BRS., Riken, [5]Fac. Bio. Tech., Univ. Assam, [6]JIRCAS., Int. Agri. Riken)		1pO02 E Unification of microarray-based and RNAseq-based coexpression data in ATTED-II. Takeshi Obayashi[1], Yuichi Aoki[2] ([1]Grad. Sch. Info. Sci, Tohoku Univ., [2]ToMMo, Tohoku Univ.)	14:15
1pI03 The Pentatricopeptide Repeat Protein PGR3 Regulates the Translation of *NdhG* Encoding a Plastid-Encoded NDH Subunit Haruka Higashi[1], Yoshinobu Kato[1], Tomoya Fujita[2,3], Mari Mito[2], Shintaro Iwasaki[2,4], Yoshiki Nishimura[1], Mizuki Takenaka[1], Toshiharu Shikanai[1] ([1]Grad. Sch. Sci., Kyoto Univ., [2]CPR, RIKEN, [3]IIR, Tokyo Inst. Tech., [4]Grad. Sch. Front. Sci., Univ. Tokyo)	1pJ03 Negative regulation of shoot regeneration competence by endogenous IAA in 2,4-D-induced callus of Arabidopsis Yuki Sakamoto[1], Hitomi Kuwae[2], Hiroyuki Kasahara[3], Munetaka Sugiyama[1] ([1]Grad. Sch. Sci., Univ. Tokyo, [2]Grad. Sch. Agric., Tokyo Univ. Agric. Tech., [3]GIR, Tokyo Univ. Agric. Tech.)	1pK03 Phosphate status-dependent control of Pep1 peptide-mediated pathogen resistance in *Arabidopsis thaliana* Taehong Lee[1], Midori Tanaka[1], Taishi Hirase[1], Shigetaka Yasuda[1], Kei Hiruma[1,2], Yusuke Saijo[1] ([1]NAIST Biological Science, [2]JST PRESTO)	1pL03 Transcriptional regulation in response to 5-aminolevulinic acid in Arabidopsis Mao Imamura[1], Kaho Tsuruyama[1], Sakura Iwamura[2], Minori Sakamoto[2], Shuji Kuroda[2], Tomohide Uno[2], Kengo Kanamaru[2] ([1]Lab Biol. Chem., Fac. Agri., Kobe Univ., [2]Grad. Sch. Agri. Sci., Kobe Univ.)	1pM03 E Ethanol mediated drought stress tolerance in plants Khurram Bashir[1], Sultana Rasheed[1], Maho Tanaka[2], Chien Van Ha[1], Yoshiaki Habu[3], Yuuri Tsubui[4], Jun Kikuchi[4,5,6], Shunsuke Watanabe[7], Mitsunori Seo[7], Eigo Ando[8], Toshinori Kinoshita[8], Makoto Seito[9], Kanako Kawaura[9], Miki Fujita[10], Kazuo Shinozaki[10], Motoaki Seki[1,2,9,11] ([1]Plant Genomic Network Research Team RIKEN CSRS, [2]Plant Epigenome Regulation Laboratory, CPR, RIKEN, [3]Graduate School of Life and Environmental Sciences, University of Tsukuba, [4]Environmental Metabolic Analysis Research Team, CSRS, RIKEN, [5]Graduate School of Medical Life Science, Yokohama City University, [6]Graduate School of Bioagricultural Sciences and School of Agricultural Sciences, Nagoya University, [7]Dormancy and Adaptation Research Unit CSRS, RIKEN, [9]Graduate School of Science, Nagoya University, [9]Kihara Institute for Biological Research, Yokohama City University, [10]Gene Discovery Research Group CSRS, RIKEN, [11]CREST, JST, 4-1-8 Honcho, Kawaguchi, Saitama, 332-0012, Japan)		1pO03 Exploring novel gene candidates related to parthenocarpy in tomato using gene co-expression network analysis Ken Kamiya[1], Tuan Nam Vu[1], Atsushi Fukushima[3], Shuhei Hao[1], Yoshihito Shinozaki[2], Ning Wang[1,2], Tohru Ariizumi[1,2], Hiroshi Ezura[1,2], Miyako Kusano[1,2,3] ([1]Grad. Sch. Life Env. Sci., Univ. Tsukuba, [2]Fac. Life. Env. Sci., Univ. Tsukuba, [3]CSRS, RIKEN)	14:30

E=Presentation in English

● Day 1, Wed., March 13, PM (14:00–17:00)

Time	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H
	Symposium S04 Strategies of mechanical optimization in plants (14:00–17:00)	Symposium S05 Metabolisms as Survival Strategy in Plants (14:00–17:00)	Cell cycle/Cell division	Primary metabolism, Secondary metabolism	Photosynthesis, Environmental responses of photosynthesis	Symposium S06 Plant adaptation strategies via ABA-mediated signaling in change of environmental conditions (14:00–17:00)	Plant hormones/ Signaling molecules	Reproductive growth
14:45			1pC04 E Exploring Function of TPX2 Protein in Microtubule Organization in Moss Physcomitrella patens. Elena Kozgunova, Gohta Goshima (Nagoya University, Graduate School of Science)	1pD04 Metabolome analysis for oxalate accumulation in two rice cultivars Atsuko Miyagi[1], Shunsuke Adachi[2], Taiichiro Ookawa[2], Maki Kawai-Yamada[1] ([1]Grad. Sch. Sci. Eng., Saitama Univ., [2]Grad. Sch. Agr., Tokyo Univ. Agri. & Tech.)	1pE04 Localization of low-CO_2 inducible protein B (LCIB) in the chloroplast is determined by net CO_2 concentration and CCM1 in *Chlamydomonas reinhardtii* Chihana Toyokawa, Toshiki Matsuoka, Takashi Yamano, Hideya Fukuzawa (Grad. Sch. Biostudies, Kyoto Univ.)		1pG04 E Spatio-temporal Analysis of Gene Expression and Phytohormones During Tissue-reunion in Incised *Arabidopsis* Flowering Stems. Kazuki Yamada[1,5], Miyuki Nakanowatari[1], Emi Yumoto[3], Yukio Noda[2], Ryuichi Koike[2], Takao Yokota[2], Hisakazu Yamane[2], Hiroki Tsutsui[4], Michitaka Notaguchi[4], Takamasa Suzuki[5], Shinobu Satoh[6], Masashi Asahina[1,2,3] ([1]Grad. Sch. Sci. & Eng., Teikyo Univ., [2]Dept. Biosci., Teikyo Univ., [3]Adv. Instrum. Anal. Cent., Teikyo Univ., [4]Grad. Sch. Bio. Agr. Sci., Nagoya Univ., [5]Biosci, Biotec., Chubu Univ., [6]Life & Environ Sci., Univ. Tsukuba.)	1pH04 Analysis of the Mechanism of Carpel Specification in Rice Shige-Hiro Sugiyama[1], Yukiko Yasui[1,2], Suzuha Ohmori[1,3], Wakana Tanaka[1], Hiro-Yuki Hirano[1] ([1]Grad. Sch. Sci., Univ. Tokyo, [2]Grad. Sch. Sci., Kobe Univ., [3]Sch. Agric., Meiji Univ.)
15:00			1pC05 Identifying transcription factor complexes involved in DNA damage-induced cell cycle arrest Tomonobu Takahashi, Nobuo Ogita, Shoji Taniguchi, Naoki Takahashi, Masaaki Umeda (Nara Institute of Science and Technology)	1pD05 A Novel Glycosyltransferase Family Governing Structural Diversity of Plant-specific Head Groups of Sphingolipid. Toshiki Ishikawa, Maki Kawai-Yamada (Grad. Sch. Sci. Eng., Saitama Univ.)	1pE05 Radiation use efficiency of a recombinant rice line with high leaf photosynthesis rate Chizuru Terasaki[1], Hiroe Yoshida[2], Keisuke Katsura[1], Taiichiro Ookawa[1], Shunsuke Adachi[1] ([1]Graduate School of Agriculture, Tokyo University of Agriculture and Technology, [2]NARO Institute for Agro-Environmental Sciences)		1pG05 The role of TMK signaling during integument development Kaori Miyawaki N[1], Mingzeng Chang[2], Fen Wang[2], Shui Wang[2], Tetsuya Higashiyama[1,3], Zhenbiao Yang[4] ([1]ITbM, Nagoya Univ., [2]Shanghai Center for Plant Stress Biology, [3]Grad.Sch.Sci., Nagoya Univ., [4]Univ. California, Riverside)	1pH05 OsMYB80, an anther-specific transcription factor required for pollen development in rice Makiko Kawagishi-Kobayashi[1], Masaharu Kuroda[2], Kakeru Suzuki[3], Yuzuru Tozawa[3], Atsushi Higashitani[4] ([1]NIAS, NARO, [2]CARC, NARO, [3]Grad. Sch. Sci. Eng., Saitama Univ., [4]Grad. Sch. Life Sci., Tohoku Univ.)
15:15			1pC06 Regulatory mechanism of G2 arrest in response to stresses Naoki Takahashi, Nobuo Ogita, Tomonobu Takahashi, Shoji Taniguchi, Masaaki Umeda (Grad. Sch. Sci. Tech., NAIST)	1pD06 Identification and characterization of WSRK, a key regulatory factor of anaerobic wax ester metabolism in *Euglena gracilis* Yuuki Ishii[1], Mitsuhiro Kimura[1], Takahisa Ogawa[1], Takanori Maruta[1], Masaru Mori[2,3], Takahiro Ishikawa[1] ([1]Dept. Life Sci. Biotechnol., Fac. Life Environ. Sci., Shimane Univ., [2]Institute for Advanced Biosciences, Keio Univ., [3]SFC Grad. Sch. of Media and Governance, Keio Univ.)	1pE06 Improvement of stomatal response leads to enhancement of photosynthesis and biomass production under fluctuating light conditions Haruki Kimura[1], Mimi Hashimoto-Sugimoto[2], Koh Iba[3], Ichiro Terashima[1], Wataru Yamori[1] ([1]Biol. Sci., Sci., Univ. Tokyo, [2]Bioagr. Sci., Nagoya Univ., [3]Biol., Sci., Kyushu Univ.)		1pG06 Feed-forward regulation of auxin signal by reactive oxygen species and reactive carbonyl species in lateral root formation Kazuha Nakahara[1], Md. Sanaullah Biswas[2], Hidehiro Fukaki[3], Izumi Mori[4], Jun'ichi Mano[5] ([1]Fac. Agr., Yamaguchi Univ., [2]Dept. Horticulture, BSMR Agricultural Univ., [3]Grad. Schl. Sci., Kobe Univ., [4]IPSR, Okayama Univ., [5]Sci. Res. Center, Yamaguchi Univ.)	1pH06 E Gibberellin Precursor Is Involved in Sexual Organ Formation in the Liverwort *Marchantia polymorpha* Rui Sun, Ran Wang, Ryunosuke Kusunoki, Keisuke Inoue, Ryuichi Nishihama, Shohei Yamaoka, Takayuki Kohchi (Grad. Sch. Biostudies, Kyoto Univ.)
15:30			1pC07 Role of histone methylation in cell cycle progression in rice plants Shinichiro Suzuki, Hirotomo Takatsuka, Masaaki Umeda (Graduate School of Science and Technology, Nara Institute of Science and Technology)	1pD07 Analysis of sugar component of sugi immature male flower bud Tomohiro Igasaki[1], Shojiro Hishiyama[2], Koichi Kakegawa[2] ([1]Forestry and Forest Products Research Institute, [2]Forestry and Forest Products Research Institute)	1pE07 Photosynthetic characteristics in the Arabidopsis mutant *ihc1* with enhanced cuticle permeability due to abnormal cuticle formation. Keina Monda[1], Ryoma Tohmori[1], Sho Takahashi[1], Juntaro Negi[1], Atsushi Mabuchi[1], Ichiro Terashima[2], Wataru Yamori[2], Koh Iba[1] ([1]Dept. Biol., Fac. Sci., Univ. Kyushu, [2]Dept. Biol., Sch. Sci., Univ. Tokyo)		1pG07 Search for novel transcription factors involved in primitive auxin response in *Klebsormidium nitens* Kanami Sesoko, Koichi Hori, Mie Shimojima, Hiroyuki Ohta (School of Life Science and Technology, Tokyo Institute of Technology)	1pH07 A methyltransferase family gene involved in sexual organ formation in the liverwort *Marchantia polymorpha* Shogo Kawamura, Shohei Yamaoka, Ryunosuke Kusunoki, Rui Sun, Ryuichi Nishihama, Takayuki Kohchi (Graduate School of Biostudeis, Kyoto University)

Room I	Room J	Room K	Room L	Room M	Room N	Room O	Time
Organelles/ Cytoskeleton	Vegetative growth	Plant-organism interaction A	Transcriptional, post-transcriptional/Translational regulations/Protein modification & degradation	Environmental responses B		Systems biology	
1pI04 Functional analysis of a mitochondrial P-class PPR protein in *Physcomitrella patens* Mizuho Ichinose[1,2], Mamoru Sugita[1] ([1]Center for Gene Res., Nagoya Univ., [2]ITbM, Nagoya Univ.)	1pJ04 Analyses of plant cellular plasticity in Arabidopsis protoplasts from differentiated cells. Yuki Sakamoto[1,2], Takamasa Suzuki[3], Keiko Sugimoto[1,2] ([1]Grad. Sch. Sci., Univ. Tokyo, [2]CSRS, RIKEN, [3]Col. Biosci. Biotech., Chubu Univ.)	1pK04 Functional analysis of glucan synthase-like genes in *Arabidopsis thaliana* under phoshpate starvation Kentaro Okada, Koei Yachi, Kei Hiruma, Yusuke Saijo (Grad. Sch. Biol. Sci., NAIST)	1pL04 Coordinated transcriptional regulation of isopentenyl diphosphate biosynthetic pathway enzymes in plastids by Arabidopsis response regulator 14 Ikumi Okubo[1], Masashi Shindo[1], Hirokazu Hashikawa[2], Yusuke Takabayashi[2], Kazuto Mannen[2], Fumihiro Yanbe[2], Toshiyuki Waki[2], Seiji Takahashi[2], Toru Nakayama[2] ([1]School of Engineering, Tohoku University, [2]Graduate School of Engineering, Tohoku University)	1pM04 Tuning water use efficiency and drought tolerance in wheat using ABA receptors Masanori Okamoto[1,2], Fumitaka Abe[3], Jun Kikuchi[4], Ryousuke Mega[5] ([1]Utsunomiya Univ., [2]PRESTO, JST, [3]NARO, [4]RIKEN, [5]Tottori Univ.)		1pO04 Quantitative Measurement of Plant Proteins using MRM Assays by Mass Spectrometry Hitoshi Mori (Bioagr. Nagoya Univ.)	14:45
1pI05 Pentatricopeptide repeat proteins involved in post-transcriptional regulation of plastid ndh genes Ayaka Ito[1], Chieko Sugita[1], Mizuho Ichinose[1,2], Yoshinobu Kato[3], Hiroshi Yamamoto[3], Toshiharu Shikanai[3], Mamoru Sugita[1] ([1]Centr. Gene Res., Nagoya Univ., [2]ITbM, Nagoya Univ., [3]Grad. Sci., Kyoto Univ.)	1pJ05 Two R2R3-MYB Transcription Factors Induce Pluripotency with Different Ways in *Marchantia polymorpha* Yukiko Yasui[1], Shigeyuki Tsukamoto[1], Sakiko Ishida[2], Ryuichi Nishihama[2], Hidehiro Fukaki[1], Tetsuro Mimura[1], Takayuki Kohchi[2], Kimitsune Ishizaki[1] ([1]Grad. Sch. Sci, Kobe Univ., [2]Grad. Sch. Biostudies, Kyoto Univ.)	1pK05 Functional requirements for BAK1 in beneficial interaction with the mutualistic fungus *Colletotrichum tofieldiae* in *Arabidopsis thaliana* Takuma Inoue[1], Shigetaka Yasuda[1], Kei Hiruma[1,2], Taishi Hirase[1], Yuki Suzuki[1], Yusuke Saijo[1] ([1]Grad. Sch. Sci. Tech., NAIST, [2]JST PRESTO)	1pL05 Transcriptional regulation of GA biosynthetic genes by GAF1 and its interactors Takeshi Ito, Takayoshi Katsube, Jutarou Fukazawa, Yohsuke Takahashi (Grad. Sch. Sci., Hiroshima Univ.)	1pM05 A monitoring of plant drought stress under excess light by leaf reflectance Kaori Kohzuma, Kouki Hikosaka (Tohoku Univ., Life Science)		1pO05 E Anthesis rate prediction of greenhouse tomatoes through metabolomics using Lasso regularized linear regression model Ratklao Siriwach[1], Jun Matsuzaki[1], Takeshi Saito[2], Muneo Sato[1], Yuji Sawada[1], Masanori Arita[1,3], Tadahisa Higashide[2], Kentaro Yano[4], Masami Yokota Hirai[1] ([1]RIKEN Center for Sustainable Resource Science(CSRS), [2]Institute of Vegetable and Floriculture Science, [3]National Institute of Genetics, [4]Bioinformatics Laboratory, Department of Life Sciences, School of Agriculture, Meiji University)	15:00
1pI06 The P-class pentatricopeptide repeat protein is needed for accumulation of the psbI-ycf12 dicistronic mRNA in Physcomitrella chloroplasts Tetsuo Ebihara[1], Takuya Matsuda[1], Chieko Sugita[1], Mizuho Ichinose[1,2], Hiroshi Yamamoto[3], Toshiharu Shikanai[3], Mamoru Sugita[1] ([1]Centr. Gene Res., Nagoya Univ., [2]ITbM, Nagoya Univ., [3]Grad. Sch. Sci., Kyoto Univ.)	1pJ06 Functional analysis of Marchantia polymorpha CLE gene Yuki Hirakawa[1], Touko Fujimoto[1], Naoyuki Uchida[2], Shinichiro Sawa[3], Kimitsune Ishizaki[4], Ryuichi Nishihama[5], Takayuki Kohchi[5], Tomohiro Kiyosue[1], John Bowman[6] ([1]Sch.Sci., Gakushuin Univ., [2]ITbM, Nagoya Univ., [3]Grad. Sch. Sci. Tech., Kumamoto Uni., [4]Grad. Sch. Sci., Kobe Uni, [5]Grad. Sch. Biostud., Kyoto Univ., [6]Sch. Biol. Sci., Monash Univ.)	1pK06 Regulatory mechanism of WRKY45-transcriptional activity by rice immune factor PBI1. Shusuke Shigeta[1], Kouta Ichimaru[1], Kenichi Harada[2], Kento Inoue[1], Shunsuke Ando[1], Satomi Yoshimura[1], Koji Yamaguchi[1], Chojiro Kojima[2,3], Tsutomu Kawasaki[1] ([1]Dept. Adv. Biosci. Kindai Univ, [2]Instit. for Protein Res. Osaka Univ, [3]Grad. Sch Engineer. Yokohama Nat. Univ)	1pL06 Functional difference of three classes of AUXIN RESPONSE FACOTR in land plants Hirotaka Kato, Sumanth Mutte, Dolf Weijers (Lab. Biochem., Wageningen UR)	1pM06 Regulatory mechanism of B3 MAPKKK-mediated SnRK2 activation in the moss *Physcomitrella patens* Tsukasa Toriyama[1], Masashi Saruhashi[2], Daisuke Takezawa[2], Izumi Yotsui[1], Teruaki Taji[1], Yoichi Sakata[1] ([1]Dept Bio, Tokyo Univ. Agric., [2]Inst. for Env. Sci. and Tech., Saitama Univ.)		1pO06 Rice metabolite changing during the ripening period Masataka Wakayama[1,2], Yoshiro Kita[1], Yohei Abe[3], Yujin Ashino[1], Tatsuki Ogura[1], Rie Kadowaki[1], Tomoyoshi Soga[1,2], Masaru Tomita[1,2] ([1]Inst. Adv. Biosci., Keio Univ., [2]Grd. Sch. Media Gov., Keio Univ., [3]Yamagata Pref. Agric. Res. Cent.)	15:15
1pI07 Potential advantages of having two DNA-binding domains of HMGB proteins localized in organelle nucleoids Mari Takusagawa[1], Yusuke Kobayashi[1], Yoichiro Fukao[2], Kumi Hidaka[1], Masayuki Endo[3], Hiroshi Sugiyama[1,3], Isamu Miyakawa[4], Toshiharu Shikanai[1], Osami Misumi[4], Yoshiki Nishimura[1] ([1]Grad. Sch. Sci., Kyoto Univ., [2]Dept. Bioinfo., Ritsumeikan Univ., [3]iCeMS, Kyoto Univ., [4]Grad. Sch. Sci. Tech. Innov., Yamaguchi Univ.)	1pJ07 Analysis of roles of ROS-producing enzyme MpRbohA in the apical meristematic zones of *Marchantia polymorpha* Yuki Hagiwara[1], Daisuke Miyamoto[1], Tomohiro Takagawa[1], Kenji Hashimoto[2], Ryuichi Nishihama[3], Kimitsune Ishizaki[4], Takayuki Kohchi[3], Kazuyuki Kuchitsu[1,2] ([1]Dept. of Appl. Biol. Sci., Tokyo Univ. of Science, [2]Imaging Frontier Center, Tokyo Univ. of Science, [3]Grad. Sch. of Biostudies, Kyoto Univ., [4]Grad. Sch. of Sci., Kobe Univ.)	1pK07 Inhibition of photosynthetic activity results in chloroplastic ROS burst during plant immune responses Takaya Ogawa[1], Hiroaki Adachi[2], Miki Yoshioka[1], Daisuke Sugiura[1], Hirofumi Yoshioka[1] ([1]Grad. Sch. Agr. Univ. Nagoya, [2]The Sainsbury Lab.)	1pL07 ER stress-responsive transcription factors bZIP17 and bZIP28 regulate root elongation June-Sik Kim[1], Yuki Sakamoto[2], Fuminori Takahashi[1], Mikiko Kojima[1], Kaoru Urano[1], Hitoshi Sakakibara[1], Sachihiro Matsunaga[3], Kazuko Yamaguchi-Shinozaki[4], Kazuo Shinozaki[1] ([1]RIKEN CSRS, [2]IFC, RIST, Tokyo Univ. Sci., [3]Dept. Applied Bio. Sci., Fac. Sci. Tech., Tokyo Univ. Sci., [4]Grad. Sch. Agri. Life Sci., Univ. Tokyo)	1pM07 Inter-organ transport of ABA molecules and/or their precursors under drought conditions Daisuke Todaka[1], Yuma Tagawa[1], Junro Mogami[1], Shunsuke Watanabe[2], Mitsunori Seo[2], Hiroki Tsutsui[3], Yaichi Kawakatsu[3], Michitaka Notaguchi[3,4], Kazuko Yamaguchi-Shinozaki[1] ([1]Grad. Sch. Agr. Life Sci., Univ. Tokyo, [2]Center for Sustainable Resource Science, RIKEN, [3]Grad. Sch. Bioagri. Sci., Nagoya Univ., [4]Japan Science and Technology Agency, PRESTO)		1pO07 E Evaluation of various seaweeds by water-soluble metabolites Shahlizah Sahul Hamid[1,2], Masataka Wakayama[1,2], Kensuke Ichihara[3], Katsutoshi Sakurai[4], Yujin Ashino[1], Rie Kadowaki[1], Tomoyoshi Soga[1,2], Masaru Tomita[1,2] ([1]Inst. Adv. Bio. Sci., Keio Univ., [2]Grad. Sch. Media and Governance, [3]Field Sci. Center., Hokkaido Univ., [4]Yamagata Prefectural Fishery Institute)	15:30

E=Presentation in English

● Day 1, Wed., March 13, PM (14:00–17:00)

Time	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H
	Symposium S04 Strategies of mechanical optimization in plants (14:00–17:00)	Symposium S05 Metabolisms as Survival Strategy in Plants (14:00–17:00)	Cell cycle/Cell division	Primary metabolism, Secondary metabolism	Photosynthesis, Environmental responses of photosynthesis	Symposium S06 Plant adaptation strategies via ABA-mediated signaling in change of environmental conditions (14:00–17:00)	Plant hormones/ Signaling molecules	Reproductive growth
15:45			1pC08 E Distinct regulation of G2 progression in the root epidermis Teruki Sugiyama, Masaaki Umeda (Nara Institute of Science and Technology)	1pD08 Identification of a transcription factor regulating the expressions of chlorophyll biosynthetic genes Chihiro Oda-Yamamizo[1,2], Akemi Ohmiya[3], Nobutaka Mitsuda[4], Shingo Sakamoto[4], Norihito Nakamichi[5], Yasunari Fujita[1,6] ([1]Biol. Resources Post-harvest Div., JIRCAS, [2]JSPS Fellow, [3]Inst. Vegeta. and Flori. Sci., NARO, [4]AIST, [5]ITbM, Nagoya Univ., [6]Grad. Sch. Life Environ. Sci., Univ. Tsukuba)	1pE08 HCO_3^- utilization of underwater photosynthesis in the heterophyllous amphibious plant *Hygrophila difformis* Genki Horiguchi, Naoki Hirotsu (Grad. Sch. Life Sci., Univ. Toyo)		1pG08 Roles of CLE peptide signaling in response to environmental stimuli Akie Shimotohno, Hiroo Fukuda (The University of Tokyo)	1pH08 Jasmonic acid controls petal growth and senescence in *Arabidopsis*. Akira Uemura, Nobutoshi Yamaguchi, Toshiro Ito (Graduate School of Biological Sciences, Nara Institute of Science and Technology)
16:00			1pC09 Ploidy effects on root growth and chromosome behavior in *Arabidopsis thaliana* Suzuka Kikuchi[1], Eri Kondo[1], Munetaka Sugiyama[2], Akitoshi Iwamoto[1] ([1]Dept. Biol., Tokyo Gakugei Univ., [2]Bot. Gard., Grad. Sch. Sci., Univ. Tokyo)	1pD09 E Chlorophyll Degradation Pathways in Chl-deficient Mutants of Rice (Oryza sativa) Szu-Hsien Lin[1], Minh-Khiem Nguyen[2], Tin-Han Shih[1], Chi-Ming Yang[1] ([1]Biodiversity Research Center, Academia Sinica, [2]Faculty of Applied Science, Ton Duc Thang University)	1pE09 Single particle analysis of Photosystem I-IsiA supercomplex by Cryo-electron microscopy Fusamichi Akita[1,2], Ryo Nagao[1], Koji Kato[1], Yoshiki Nakajima[1], Jian-Ren Shen[1], Naoyuki Miyazaki[3] ([1]RIIS., Okayama Univ., [2]PRESTO, JST, [3]IPR., Osaka Univ.)		1pG09 A leaf-derived phloem mobile peptide integrates shoot nitrogen status to systemically regulate root nitrogen acquisition Ryosuke Ota, Yuri Ohkubo, Mari Ogawa-Ohnishi, Yoshikatsu Matsubayashi (Grad. Sch. Sci., Nagoya Univ.)	1pH09 Identification of The *Arabidopsis FIREWORKS* Gene Involved in Global Proliferative Arrest Sho Imai[1], Hikaru Hirozawa[1], Takamasa Suzuki[2], Keio Kokaji[3], Nobuyoshi Mochizuki[3], Akira Nagatani[3], Chiharu Ueguchi[1] ([1]Biosci. Biotech. Center, Nagoya Univ., [2]Col. Biosci. Biotech., Chubu Univ., [3]Grad. Sch. Sci., Kyoto Univ.)
16:15			1pC10 Involvement of ATP-dependent protease ClpXP and the cell enlargement under acid stress in Cyanobacterium *Synechocystis* sp, PCC6803 Hidetaka Kohga[1], Mirai Kanamaru[1], Yoshikazu Saitou[2], Ayami Nakahara[1], Akiko Imaida[1], Junji Uchiyama[1,3], Hisataka Ohta[1,3] ([1]Grad. Sch. of Sci., Tokyo univ. of Sci., [2]Fac. of Ind. Sci. and Tech., Tokyo univ. of Sci., [3]Fac. of Sci., Tokyo univ. of Sci.)	1pD10 E Studies on rapid color change of immature black soybean's seed coat Yada Teppabut[1], Yuhsuke Nakane[1], Reo Sawaguchi[1], Kin-ichi Oyama[2], Tadao Kondo[1], Kumi Yoshida[1] ([1]Graduated School of Informatics, Nagoya University, [2]Research Center for Materials Science, Nagoya University)			1pG10 Mechanistic insight into CIF peptide ligands binding and signalling activation in Casparian strip formation Satohiro Okuda[1], Satoshi Fujita[2], Veronica G. Doblas[2], Andrea Moretti[1], Niko Geldner[2], Michael Hothorn[1] ([1]Dep. Botany and Plant Biol., Univ. Geneva, [2]Dep. Plant Mol. Biol., Univ. Lausanne)	1pH10 The seasonal synchrony system for flowering and senescence in *Arabidopsis* Chitose Kami, Hiroshi Kudoh (Kyoto University, The Center for Ecological Research)

Room I	Room J	Room K	Room L	Room M	Room N	Room O	Time
Organelles/ Cytoskeleton	Vegetative growth	Plant-organism interaction A	Transcriptional, post-transcriptional/Translational regulations/Protein modification & degradation	Environmental responses B			
1pI08 Ⓔ GUN1 regulates tetrapyrrole biosynthesis in Arabidopsis Tatsuru Masuda[1], Takayuki Shimizu[1], Nobuyoshi Mochizuki[2], Akira Nagatani[2], Satoru Watanabe[3], Kacprzak Sylwia[4], Haruko Okamoto[4], Terry Matthew[4] ([1]Grad. Sch. Arts Sci., Univ. Tokyo, [2]Grad. Sch. Sci, Kyoto Univ., [3]Dept. Biosci., Tokyo Agricul. Univ., [4]Sch. Biol. Sci., Univ. Southampton)	1pJ08 Epi-alleles involved in shoot regeneration efficiency Tatsumi Hirasawa[1], Hiroki Maeji[1], Hanae Ohta[1], Akiko Yamamoto[2], Hidetoshi Saze[3], Atsushi J. Nagano[4], Shin Takeda[2], Tsukaho Hattori[2], Taisuke Nishimura[1] ([1]Dept. of Bioeng., Nagaoka Univ. of Tech., [2]Biosci. and Biotech. Center, Nagoya Univ., [3]Okinawa Inst. of Sci. & Tech. Grad. Univ., [4]Ryukoku Univ.)	1pK08 Visualization of plant-to-plant communication via green leaf volatiles Yuri Aratani, Masatsugu Toyota (Saitama University)	1pL08 Elucidation of cis-element binding affinity of VNS family transcription factors, master regulators of water conducting cell formation Nobuhiro Akiyoshi[1], Yoshimi Nakano[1], Yusuke Kunigita[1], Misato Ohtani[1,2], Taku Demura[1,2] ([1]NAIST, [2]RIKEN CSRS)	1pM08 Identification of protein kinases that regulate the activation of ABA-unresponsive subclass I SnRK2s in Arabidopsis Fumiyuki Soma[1], Fuminori Takahashi[2], Takamasa Suzuki[3], Kazuo Shinozaki[2], Kazuko Yamaguchi-Shinozaki[1] ([1]Grad. Sch. Agr. Life Sci., Univ. Tokyo, [2]Center for Sustainable Resource Science, RIKEN, [3]Biosci. Biotech., Chubu Univ.)			15:45
1pI09 Functional analyses of Ghost White gene in tomato Yuuji Kinjyou[1], Yuri Suzuki[1], Gou Ma[1], Kenta Shirasawa[2], Yoshihiro Okabe[3], Hiroshi Ezura[3], Reiko Motohashi[1] ([1]Agri., Shizuoka Univ., [2]Kazusa DNA Res. Inst., [3]Grad. Life and Env. Sci., Univ. Tsukuba)	1pJ09 Ⓔ Chromatin remodeling factors are required for de-novo shoot regeneration in Arabidopsis thaliana Mariana Diaz, Kaoru Sugimoto, Takuya Sakamoto, Sachihiro Matsunaga (Matsunaga laboratory, Tokyo University of Science)	1pK09 Rain evokes a primitive immune response in *Arabidopsis thaliana* Mamoru Matsumura[1], Mika Nomoto[1,2], Tomotaka Itaya[1], Mizuki Iwamoto[3], Takamasa Suzuki[4], Hironaka Tsukagoshi[5], Masatsugu Toyota[6], Shigeyuki Betsuyaku[7], Yasuomi Tada[1,2] ([1]Div. of Bio. Sci., Grad. Sch. of Sci., Nagoya Univ., [2]Cent. for Gene Res., Nagoya Univ., [3]Grad. Sch. of Life and Environ. Sci., Univ. of Tsukuba, [4]Col. of BioSci. and Biotech., Chubu Univ., [5]JST, PRESTO, [6]Fac. of Agri., Meijo Univ., [7]Grad. Sch. of Sci and Eng., Saitama Univ)	1pL09 Transcriptional regulation of OsPR7 encoding cysteine endopeptidase in rice Akifumi Nishimura[1], Hiroyuki Hirai[2], Takehito Furukawa[2], Hideo Nakashita[3], Fang-Sik Che[1,2] ([1]Grad. Sch. of Bio-sci. Nagahama Inst. of Bio-Sci and Tech., [2]Dept. of Biosci., Nagahama Inst. of Bio-Sci. and Tech., [3]Dept. Biosci., Fukui Pref. Univ.)	1pM09 Insights into the functional evolution of plant SnRK2 family Akihisa Shinozawa[1], Ryoko Otake[1], Andrew C. Cuming[2], Kenji Komatsu[3], Daisuke Takezawa[4], Taishi Umezawa[5], Teruaki Taji[1], Takahisa Hayashi[1], Yoichi Sakata[1] ([1]Dept Bioscience, Tokyo Univ. Agric., [2]Univ.of Leeds, Dept., [3]Dep. of Bioresource Development, Tokyo Univ. Agric., [4]Grad. Sch. Sci and Eng., Univ. Saitama., [5]BASE, Tokyo University of Agriculture and Technology)			16:00
1pI10 Holliday junction resolvase MOC1 maintains the integrity of chloroplast and mitochondrial DNA in the moss *Physcomitrella patens* Yusuke Kobayashi[1], Masaki Odahara[2,3], Yasuhiko Sekine[3], Shin-ya Miyagishima[1] ([1]Dept. Cell Genetics, NIG, [2]CSRS, RIKEN, [3]Dept. Life Sci., Rikkyo Univ.)	1pJ10 Ⓔ Heat-mediated *in vitro* Shoot Regeneration in Arabidopsis Tatsuya Takahashi[1,2], Alice Lambolez[1], Ayako Kawamura[1], Takamasa Suzuki[3], Bart Rymen[1], Akira Iwase[1], Katja Jager[4], Philip A. Wigge[4], Kengo Morohashi[2], Keiko Sugimoto[1] ([1]Yokohama Inst., RIKEN, [2]Grad. Sch. Sci., Tokyo Univ. of Science, [3]Grad. Sch. Sci., Univ. Chubu, [4]Sainsbury Lab., Univ. Cambridge)	1pK10 Ⓔ Cysteine-rich receptor-like kinase CRK2 directly regulates NADPH oxidase RBOHD in *Arabidopsis* Sachie Kimura[1], Kerri Hunter[1], Anne Rokka[2], Masatsugu Toyota[3,4], Hirofumi Nakagami[5], Michael Wrzaczek[1] ([1]Organismal and Evolutionary Biology Research Programme, Univ. Helsinki, [2]Turku Centre for Biotechnology, Univ. Turku and Abo Akademi Univ., [3]Department of Biochemistry and Molecular Biology, Saitama Univ., [4]Department of Botany, Univ. Wisconsin-Madison, [5]Protein Mass Spectrometry Group, Max-Planck Institute for Plant Breeding Research)	1pL10 Boron-Dependent Transcriptional Regulation of *NIP5;1* Is Coordinated with Its mRNA Degradation in *Arabidopsis thaliana*. Mayuki Tanaka[1], Naoyuki Sotta[1], Satoshi Naito[2,3], Toru Fujiwara[1] ([1]Grad. Sch. Agri. Life Sci., Univ. Tokyo, [2]Grad. Sch. Life Sci., Hokkaido Univ, [3]Grad. Sch. Agri., Hokkaido Univ)	1pM10 Ⓔ Comparative RNA-Seq analysis revealed osmotic stress tolerance mechanisms in the hyper-tolerant indica rice variety Sanjib Kumar Panda (Assam University, Silchar, India)			16:15

Ⓔ=Presentation in English

● Day 1, Wed., March 13, PM (14:00–17:00)

Time	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H
	Symposium S04 Strategies of mechanical optimization in plants (14:00–17:00)	Symposium S05 Metabolisms as Survival Strategy in Plants (14:00–17:00)		Primary metabolism, Secondary metabolism		Symposium S06 Plant adaptation strategies via ABA-mediated signaling in change of environmental conditions (14:00–17:00)	Plant hormones/ Signaling molecules	Reproductive growth
16:30				1pD11 Mapping of hydrangea blue-complex and aluminum species in hydrangea sepals by cryo-TOF-SIMS analysis Takaaki Ito[1], Dan Aoki[2], Kazuhiko Fukushima[2], Kumi Yoshida[3] ([1]Grad. Sch. Info. Sci., Nagoya Univ., [2]Grad. Sch. Bioagricultural. Sci., Nagoya Univ., [3]Grad. Sch. Informatics, Nagoya Univ.)			1pG11 Functional analysis of homologs of jasmonate receptor COI1 in rice Hideo Inagaki[1], Hibiki Ito[2], Yuki Fukumoto[2], Ayaka Yajima[2], Xi Chen[3], Miyuki Shimosato[2], Emi Hasett[2], Kodai Hatakeyama[2], Yuko Hirakuri[2], Masanobu Ishitsuka[1], Tomoko Sakazawa[2], Emi Yumoto[4], Masashi Asahina[1,2,4], Kengo Hayashi[5], Yasuhiro Ishimaru[5], Yousuke Takaoka[5,6], Minoru Ueda[5,7], Kazunori Okada[8], Hisakazu Yamane[1,2,4], Koji Miyamoto[1,2] ([1]Grad. Sch. Sci. & Eng., Teikyo Univ., [2]Dept. of Biosci., Teikyo Univ., [3]Univ. Bremen, [4]Advanced Instrumental Analysis Center of Teikyo Univ., [5]Grad. Sch. Sci., Tohoku Univ., [6]JST-PRESTO, [7]Grad. Sch. Life Sci., Tohoku Univ., [8]BRC, The Univ. of Tokyo)	1pH11 Dynamic epigenetic flexibility underlies somaclonal sex conversions in hexaploid persimmon tree Kanae Masuda[1], Takashi Akagi[1], Tomoya Esumi[2], Ryutaro Tao[1] ([1]Grad. Sch. Agr., Univ. Kyoto, [2]Inst. Agr. Life Sci., Univ. Shimane)
16:45				1pD12 Physiological and transcriptional comparisons of nitrogen responses among eight different rice cultivars Taro Kadowaki[1], Kazuhiro Nakashima[1], Yonghyun Kim[1], Yoshiaki Ueda[2], Shuichi Yanagisawa[2], Mitsue Miyao-Tokutomi[1] ([1]Grad. Sch. Agricul. Sci., Tohoku Univ., [2]Biotech. Res. Center, Univ. Tokyo)			1pG12 Combined hormonome and transcriptome profiling of barley throughout the life-course under field conditions reveals conserved, genotype- and life-stage specific physiological states Takashi Hirayama[1], Daisuke Saisho[1], Kotaro Takahagi[2,3], Takakazu Matsuura[1], Asaka Kanatani[1], Komaki Inoue[2], Yukiko Uehara-Yamaguchi[2], Minami Shimizu[2], Keiichi Mochida[1,2,3] ([1]IPSR, Okayama Univ., [2]CSRS, RIKEN, [3]KIBR, Yokohama City Univ.)	1pH12 Roles of Hordium vulgare tonoplast intrinsic proteins, HvTIPs, in barley seeds Shigeko Utsugi, Maki Katsuhara (IPSR, OKAYAMA UNIV.)

Room I	Room J	Room K	Room L	Room M	Room N	Room O	Time
Organelles/ Cytoskeleton	Vegetative growth	Plant-organism interaction A	Transcriptional, post-transcriptional/Translational regulations/Protein modification & degradation	Environmental responses B			
1pI11 Exploration of Arabidopsis GLK1 protein complex using complemented line Tomomi Horinouchi, Hinako Yuasa, Yasuko Ito-Inaba, Takehito Inaba (Fac. Agr.,Univ. Miyazaki)	1pJ11 Ⓔ WIND1-mediated tracheary elements formation in Arabidopsis Akira Iwase[1], Yuki Kondo[2], Momoko Ikeuchi[1], Bart Rymen[1], Ayako Kawamura[1], Arika Takebayashi[1], Takamasa Suzuki[3], Nobutaka Mitsuda[4], Hiroo Fukuda[2], Keiko Sugimoto[1] ([1]CSRS, RIKEN, [2]Dept. Biol. Sci., The Univ. Tokyo, [3]Dept. Biol. Chem. Biosci. Biotech., Chubu Univ., [4]Biopro. Res. Inst., AIST)	1pK11 The Relation between Oxidative Burst and Broad-spectrum Disease Resistance Conferred by Overexpression of Rice RLCK-VII Protein BSR1 Yasukazu Kanda[1,2], Yoko Nishizawa[1], Takashi Kamakura[2], Masaki Mori[1,2] ([1]NIAS, [2]Grad. Sch. of Science and Technology, Tokyo Univ. of Sci.)	1pL11 Analysis of cohesive nature of JAZ2 protein in rice Yu Joshima, Nagisa Hakamata, Hinako Kaseda, Tsukaho Hattori, Shin Takeda (Biosci. Biotech. Center, Nagoya Univ.)	1pM11 Ⓔ Identification of an Arabidopsis protein family that regulates SnRK2 kinases in ABA signaling Yohei Takahashi, Jingbo Zhang, Po-Kai Hsu, Paulo De Oliveira Ceciliato, Jiyoung Park, Felix Hauser, Julian I. Schroeder (University of California, San Diego)			16:30
	1pJ12 Functional analysis of a transcription factor OsPIL7 involved in leaf morphogenesis. Takayuki Hashimoto[1], Daisuke Todaka[1], Yu Zhao[1], Kazuo Shinozaki[2], Kazuko Yamaguchi-Shinozaki[1] ([1]Grad. Sch. Agr. Life Sci., Univ. Tokyo, [2]Center for Sustainable Resource Science, RIKEN)	1pK12 Ⓔ Comparative Genomics Reveals Genomic Plasticity Mediated by Transposable Elements in the Fungal Phytopathogen *Colletotrichum higginsianum* Ayako Tsushima[1,2], Pamela Gan[2], Naoyoshi Kumakura[2], Mari Narusaka[3], Yoshitaka Takano[4], Yoshihiro Narusaka[3], Ken Shirasu[1,2] ([1]Grad. Sch. Sci., Univ. Tokyo, [2]CSRS RIKEN, [3]RIBS Okayama, [4]Grad. Sch. Agric., Kyoto Univ.)	1pL12 Ⓔ Boron Transporter (BOR1) is Involved in Nitrate-dependent Growth Promotion in Arabidopsis thaliana Qing Wang, Naoyuki Sotta, Toru Fujiwara (Graduate School of Agricultural and Life Sciences, The University of Tokyo)	1pM12 Evaluation of Environmental Stress Response of Crops using "RIPPS", an Automated Phenotyping System Miki Fujita[1], Saya Kikuchi[1], Masami Toyoshima[2], Yasunari Fujita[2,3], Kazuo Shinozaki[1] ([1]RIKEN CSRS, [2]JIRCAS Biol. Resources Post-harvest Div., [3]Univ. Tsukuba)			16:45

Ⓔ=Presentation in English

● Day 2, Thu., March 14, AM (9:00–12:00)

Time	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H
		Symposium S07 Find out the mechanism supporting C4 photosynthesis (9:00–11:45)	Cell wall	Secondary metabolism	Photosynthesis	The 15th Database Workshop (9:00–12:00)	Plant hormones/ Signaling molecules	Reproductive growth
9:00			2aC01 A Point Mutation in a Putative Glycosyltransferase Decreases Boron Requirement Through Reduction of Rhamnogalacturonan II Yuto Nozaki, Hiroya Funakawa, Izumi Aibara, Kyoko Miwa (Grad. Sch. Environ. Sci., Hokkaido Univ.)	2aD01 Isolation of dehydrogenase genes involved in gallate biosynthesis in *Eucalyptus camaldulensis* Ko Tahara[1,2], Mitsuru Nishiguchi[1], Shin-Ichi Miyazawa[1], Takafumi Miyama[1], Juliane Mittasch[2], Carsten Milkowski[2] ([1]Forestry and Forest Products Research Institute, [2]Martin Luther University Halle-Wittenberg)	2aE01 Effects of co-overproduction of Rubisco and Rubisco activase on photosynthesis in rice Mao Suganami[1], Yuji Suzuki[2], Youshi Tazoe[1], Amane Makino[1] ([1]Grad. Sch. Agr. Sci., Tohoku Univ., [2]Fac. Agr., Iwate Univ.)		2aG01 Mechanism of ABCG14-mediated root-to-shoot cytokinin transport Mayu Kamiya[1], Jyun Inaba[2], Yumiko Takebayashi[2], Mikiko Kojima[2], Takatoshi Kiba[1], Hitoshi Sakakibara[1] ([1]Grad. Sch. Bioagr. Sci., Univ Nagoya, [2]RIKEN CSRS)	2aH01 Exploration of *Feminizer*, the sex determination factor on X chromosome in Liverwort *Marchantia polymorpha* Miyuki Iwasaki[1], Shohei Yamaoka[1], Tomoaki Kajiwara[2], Motoki Miyazaki[2], Noriyuki Suetsugu[1], Yoshihiro Yoshitake[1], Ryuichi Nishihama[1], Katsuyuki T. Yamato[3], Takayuki Kohchi[1] ([1]Laboratory of Plant Molecular Biology, Graduate School of Biostudies, Kyoto University, [2]Faculty School of Agriculture, Kyoto University, [3]Graduate School of Biology-oriented Science and technology, Kindai University)
9:15			2aC02 Analysis of Arabidopsis mutant defective in KDO biosynthesis Toshiro Shimizu, Masaki Nakamichi, Rinako Ujiie, Mizuki Noguchi, Masaru Kobayashi, Naoki Mori, Toru Matoh (Grad.Sch.Agr., Kyoto Univ)	2aD02 Structure Function Analysis of L/ODC, ADC and DapDC Hajime Sato[1,2], Wakana Iwasaki[2], Yohei Kurihara[1], Mizuki Murakami[1], Mikako Shirouzu[2], Masanobu Uchiyama[2,3], Kazuki Saito[1,2], Mami Yamazaki[1] ([1]Chiba University, [2]RIKEN, [3]the University of Tokyo)	2aE02 Photosynthetic characteristics in transgenic rice with overproduced Rubisco activase So Konno[1], Mao Suganami[1], Yoshiya Ota[1], Daisuke Takagi[1], Youshi Tazoe[1], Yuji Suzuki[2], Amane Makino[1] ([1]Grad. Sch. Agr.Sci., Tohoku Univ., [2]Fac. Agr., Iwate Univ.)		2aG02 Regulation of flowering via gibberellin signaling Jutarou Fukazawa, Yuki Ohashi, Kanako Nakai, Ryuhei Takahashi, Takeshi Ito, Yohsuke Takahashi (Grad.Sch.Sci., Univ. Hiroshima)	2aH02 Regulation of sexual organ formation by an MpBONOBO transcriptional complex in *Marchantia polymorpha* Misaki Saito[1], Shohei Yamaoka[1], Yoshihiro Yoshitake[1], Nobutaka Mitsuda[2], Ryuichi Nishihama[1], Takayuki Kohchi[1] ([1]Grad. Sch. Bio., Kyoto Univ., [2]Bioproduction Research Inst., AIST)
9:30			2aC03 Characterization of an Ancestral Type of Xyloglucan endotransglucosylase/hydrolase , Endoglucanase16, from Marchantia polymorpha Konan Ishida[1], Takeshi Kuroha[1], Kimitsune Ishizaki[2], Takumi Higaki[3], Satoshi Naramoto[1], Ryusuke Yokoyama[1], Toshihisa Kotake[4], Kazuhiko Nishitani[1] ([1]Grad. Sch. Life Sci., Tohoku Univ., [2]Grad. Sch. Sci., Kobe Univ., [3]IROAST., Kumamoto Univ., [4]Grad. Sch. Sci and Eng., Saitama Univ.)	2aD03 Identification of genes regulated by a jasmonate- and NaCl-responsive transcription factor JRE3 in tomato. Tsubasa Shoji[1], Ayman Abdelkareem[1], Chonprakun Thagun[1], Shunshuke Imanishi[2], Takashi Hashimoto[1] ([1]NAIST Bio, [2]NARO)	2aE03 Excess Phosphorus Supply inhibits growth by the decreases in Rubisco activation and anti-oxidant systems in rice plants Daisuke Takagi[1], Youshi Tazoe[1], Mao Suganami[1], Akihiro Ueda[2], Yuji Suzuki[3], Amane Makino[1] ([1]Graduate School of Agricultural Science, Tohoku University, Japan., [2]Graduate School of Biosphere Science, Hiroshima University, Japan., [3]Faculty of Agriculture, Iwate University, Japan.)		2aG03 Physiological and genetic analysis of ethylene in Marchantia polymorpha*Marchantia polymorpha* Hiroyasu Motose[1], Asuka Katayose[1], Yasutaka Kubo[2], Taku Takahashi[1] ([1]Faculty of Science, Okayama Univ., [2]Faculty of Agriculture, Okayama Univ.)	2aH03 Essential roles of autophagy in pollen maturation and seed development in rice Kazuyuki Kuchitsu[1,2], Yuri Sera[1], Shigeru Hanamata[2,3], Jumpei Sawada[1], Togo Fukunaga[1], Kazunori Ogawa[1], Shingo Sakamoto[4], Seijiro Ono[5], Kentaro Kaneko[3], Yudai Mitsui[3], Nobutaka Mitsuda[4], Ken-ichi Nonomura[5], Toshiaki Mitsui[3], Takamitsu Kurusu[2,6] ([1]Dept. Appl. Biol. Sci., Tokyo Univ. of Sci., [2]Imaging Frontier Center, Tokyo Univ. of Sci., [3]Niigata Univ., [4]AIST, [5]Natl. Inst. Genetics, [6]Suwa Uni. of Sci.)
9:45			2aC04 E Overlapping Shifts: Switching of Cellulose Synthase Machinery During Xylem Transdifferentiation Yoichiro Watanabe[1,2], Rene Schneider[3], Sarah Barkwill[2], Lacey Samuels[2], Staffan Persson[3], Shawn Mansfield[2] ([1]Nara Institute of Science and Technology, [2]University of British Columbia, [3]University of Melbourne)	2aD04 Interaction and its functional correlation of factors constituting the biosynthetic machinery of natural rubber from *Hevea brasiliensis* Kouji Kojima[1], Makoto Yamaguchi[1], Tomoki Ishii[1], Miki Hiromori[1], Toshiyuki Waki[1], Satoshi Yamashita[2], Yuzuru Tozawa[3], Haruhiko Yamaguchi[4], Yukino Inoue[4], Kazuhisa Fushihara[4], Toru Nakayama[1], Seiji Takahashi[1] ([1]Grad. Eng., Tohoku Univ., [2]Grad. Natural Sci. Tech., Kanazawa Univ., [3]Grad. Sci. Eng., Saitama Univ., [4]Sumitomo Rubber Ind., Ltd.)	2aE04 Increase in grain yield of transgenic rice plants with overproduced Rubisco content grown in an isolated paddy field from 2016 to 2018 Dong Kyung Yoon[1], Mari Watanabe[1], Mao Suganami[1], Serina Imaruoka[1], Maki Ogura[1], Keiki Ishiyama[1,2], Youshi Tazoe[1], Hiroyuki Ishida[1], Yuji Suzuki[2], Tadahiko Mae[1], Amane Makino[1] ([1]Grad. Sch. Agr. Sci. Tohoku Univ., [2]Fac. Agr., Iwate Univ.)		2aG04 Function analysis of *D14* knockout in a strawberry *Fragaria vesca* using CRISPR/Cas9 system Tomoko Miyaji[1], Shoya Tagami[1], Kohei Sakaguchi[1], Kanari Shimada[1], Syuki Fujii[1], Keiko Shinohara[2], Yoko Harada[2], Keishi Osakabe[1], Yuriko Osakabe[1,3] ([1]Faculty of Bioscience and Bioindustry, Tokushima University, [2]Tokushima Agriculture, Forestry, and Fisheries Technology Support Center, [3]RIKEN, BZP)	2aH04 A GDSL-family esterase regulates pollen cell wall structure in Arabidopsis Daisuke Tsugama[1,2], Kaien Fujino[1] ([1]Dept. Agri., Hokkaido Univ., [2]ANESC., Univ. Tokyo)

Room I	Room J	Room K	Room L	Room M	Room N	Room O	Time
Organelles/Cytoskeleton	Vegetative growth	Plant-organism interaction A		Environmental responses B		Others (New technology, Bioresources)	
2aI01 ANGUSTIFOLIA Regulates Actin Filament Alignment for Centripetal Nuclear Positioning in Arabidopsis Leaves Kosei Iwabuchi[1], Haruna Ohnishi[2], Kentaro Tamura[3], Yoichiro Fukao[4], Tomoyuki Furuya[5], Koro Hattori[5], Hirokazu Tsukaya[5,6], Ikuko Hara-Nishimura[1] ([1]Fac. Sci. Eng., Konan Univ., [2]Grad. Sch. Sci., Kyoto Univ., [3]Sch. Food Nutri. Sci., Univ. Shizuoka, [4]Coll. Life Sci., Ritsumeikan Univ., [5]Grad. Sch. Sci., Univ. Tokyo, [6]ExCELLS, NINS)	2aJ01 Establishment and maintenance of stem cells during axillary meristem formation in rice Wakana Tanaka, Hiro-Yuki Hirano (Grad. Sch. Sci., Univ. Tokyo)	2aK01 Effect of 660nm irradiation to activate phytochrome signaling and to control the Western flower thrips damage Takeshi Ohya[1], Nobuo Kanemistu[2], Tamito Sakurai[3], Hiroshi Abe[4] ([1]kanagawa Agricultural Technology Center, [2]Mera Group Corporation Kyoritsudensho Co.,Ltd, [3]Central Region Agricultural Research Center, NARO, [4]RIKEN BioResource Center)		2aM01 Comparison of ultrastructure and excretion function of the salt glands between adaxial and abaxial leaf surfaces in *Zoysia japonica* Masahiro Koyama, Mitsutaka Taniguchi, Takao Oi (Grad. Sch. Bioagri., Univ. Nagoya)		2aO01 Functional analysis of the regulatory domains of the rice glutamate decarboxylases (GADs) by targeted mutagenesis Kazuhito Akama[1,2], Naoki Okamoto[2], Honoka Ozaki[1], Masako Kanesaki[1] ([1]Fac. Life & Environ. Sci., Shimane Univ., [2]Grad. School Nat. Sci. & Tech., Shimane Univ.)	9:30
2aI02 Function of actin filaments in flower opening and closure Ayaka Okita, Sumie Ishiguro (Bio-Agric., Nagoya Univ.)	2aJ02 Control of subcellular localization of a KNOX transcription factor in rice. Katsutoshi Tsuda[1,2], Ken-ichi Nonomura[1,2] ([1]National Institute of Genetics, Experimental Farm, [2]Graduate University for Advanced Studies)	2aK02 Development of a simple and quantitative method to evaluate the disease resistance of Arabidopsis against *Pseudomonas syringae* and characterization of novel putative plant defense activators. Masataka Nakano[1], Nobutaka Kitahata[1,2], Takako Ishiga[3], Yasuhiro Ishiga[3], Kazuyuki Kuchitsu[1,2] ([1]Dept. Appl. Biol. Sci., Tokyo Univ. of Sci., [2]Imagimg Frontier Center, Tokyo Univ. of Sci., [3]Faculty of Life & Envi. Sci., Univ. of Tsukuba.)		2aM02 Natural variation of tissue-specific Na^+ accumulation in young quinoa seedlings Yasufumi Kobayashi[1], Masami Toyoshima[1], Yasuo Yasui[2], Yasunari Fujita[1,3] ([1]Biol. Resources Post-harvest Div., JIRCAS, [2]Grad. Sch. Agri. Sci., Kyoto Univ., [3]Grad. Sch. Life Environ. Sci., Univ. Tsukuba)		2aO02 CRISPR/Cas9-mediated gene targeting in Arabidopsis using sequential transformation Daisuke Miki, Wenxin Zhang, Peng Fangnan, Wenjie Zeng, Zhu Jian-Kang (Shanghai Center for Plant Stress Biology (PSC), CAS)	9:45
2aI03 The regulatory mechanisms of plant growth by cytoplasmic streaming. Motoki Tominaga[1,2,3], Hirotomo Takatsuka[4], Zhongrui Duan[1], Shun Kawabata[2], Misato Tanaka[2], Takashi Haraguchi[5], Takehiko Kanazawa[6], Kohji Ito[5], Takashi Ueda[6], Masaaki Umeda[4] ([1]Fac. Educ. Integrated Arts. Sci., Univ. Waseda, [2]Grad. Sch. Adv. Sci. and Eng., Univ. Waseda, [3]JST-ALCA, [4]Grad. Sch. Sci. Tech., NAIST, [5]Grad. School Sci., Univ. Chiba, [6]Div. Cellular Dynamics, NIBB)	2aJ03 Functional Analysis of LATERAL ORGAN BOUNDARIES Transcription Factors Involved in Cytokinin Signaling-Regulated Radial Growth Miyu Imamura[1], Yurina Shimada[1], Masaki Ito[1], Nobutaka Mitsuda[2], Yuki Kondo[3], Masaru Ohme-Takagi[2,4], Takafumi Yamashino[1] ([1]Grad. Sch. Bio. Sci., Nagoya Univ., [2]Bioprod. Res. Inst., Nat. Inst. of Adv. Ind. Sci. Tech, [3]Grad. Sch. Sci., Univ. Tokyo., [4]Grad. Sch. Sci. Eng., Saitama Univ.)	2aK03 Ⓔ Update on mechanisms of NERICA rice direct defense against insect herbivores Joackin B. Andama[1,2], Tomonori Shinya[1], Ivan Galis[1] ([1]IPSR, Okayama Univ., [2]Abi Zonal Agric. Res. Dev. Inst., (NARO, Uganda))		2aM03 Identification of upstream factors that regulate SnRK2-activity under osmotic stress conditions. Azusa Fukui[1], Fumiyuki Soma[1], Junro Mogami[1], Karin Sato[1], Yuta Sato[1], Fuminori Takahashi[2], Kazuo Shinozaki[2], Kazuko Yamaguchi-Shinozaki[1] ([1]Grad. Sch. Agr. Life Sci., Univ. Tokyo, [2]Center for Sustainable Resource Science, RIKEN)		2aO03 Genome editing in commercial cultivar tomatoes by CRISPR/Cas9 Chihiro Abe, Risa Ueta, Ryosuke Hashimoto, Yuriko Osakabe, Keishi Osakabe (Grad. Sch. bio., Univ. Tokushima)	10:00
2aI04 A novel ROP-actin pathway regulates bordered cell wall deposition in xylem vessels Yuki Sugiyama[1,2], Yoshinobu Nagashima[1], Mayumi Wakazaki[3], Mayuko Sato[3], Hiroo Fukuda[1], Yoshihisa Oda[2,4] ([1]Grad. Sch. Sci., Univ. Tokyo, [2]Cent. Front. Res., NIG, [3]RIKEN, CSRS, [4]Dep. Genet., SOKENDAI)	2aJ04 Mechanisms to increased cell size during cell proliferation phase in Arabidopsis *angustifolia3* mutant. Kazune Ezaki[1], Hirokazu Tsukaya[1,2] ([1]Grad. Sch. Sci, Univ. of Tokyo, [2]ExCELLS, NINS)	2aK04 ER-body system is involved in production of volatile compounds to suppress feeding motivation of the blowfly *Phormia regina* Somare Mizuho[1], Toru Maeda[2], Junpei Takagi[3], Tadashi Kunieda[4], Kenji Yamada[5], Mamiko Ozaki[2], Ikuko Hara-Nishimura[1,3] ([1]Grad. Shc. of Nat. Sci., Konan Univ.,, [2]Grad. Shc. of Sci., Kobe Univ., [3]Fac. Sci. Eng., Konan Univ., [4]Div. of Biol. Sci., NSIST, [5]Malopolska Center Biotechnol., Jagiellonian Univ.)		2aM04 Analysis of surface lipid synthesis system in Marchantia polymorpha Yuya Takahashi[1], Koichi Hori[1], Kimitsune Ishizaki[2], Mie Shimojima[1], Hiroyuki Ohta[1] ([1]School of Life Science and Technology, Tokyo Institute of Technology, [2]Department of Biology, School of Science, Kobe University)		2aO04 Control of plant gene expression by using CRISPR/dCas9 system. Risa Ueta, Tomoko Miyaji, Naoki Wada, Yuriko Osakabe, Keishi Osakabe (Faculty of Bioscience and Bioindustry, Tokushima University)	10:15

Ⓔ=Presentation in English

● Day 2, Thu., March 14, AM (9:00–12:00)

Time	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H
		Symposium S07 Find out the mechanism supporting C4 photosynthesis (9:00–11:45)	Cell wall	Secondary metabolism	Photosynthesis	The 15th Database Workshop (9:00–12:00)	Plant hormones/ Signaling molecules	Reproductive growth
10:00			2aC05 Quantitative Evaluation of the Spatial Pattern of Secondary Cell Wall Distribution in Arabidopsis inflorescence stem Miyuki Nakata[1], Shingo Sakamoto[1], Masahiro Takahara[2], Nobutaka Mitsuda[1] ([1]Bioprod. Res. Inst., AIST, [2]Acacia Horticulture)	2aD05 Morphological and metabolic differentiation of laticifer and idioblast cells in Catharanthus roseus Mai Uzaki[1], Kotaro Yamamoto[2], Katsutoshi Takahashi[3], Miwa Ohnishi[4], Yuko Kurita[5], Chizuko Shichijo[1], Atsushi J. Nagano[5], Kimitsune Ishizaki[1], Hidehiro Fukaki[1], Tetsuro Mimura[1] ([1]Grad.Sch. Sci., Kobe Univ., [2]Dept. Biol. Chem., John Innes Centre, [3]AIST, [4]Eng. Boil. Res. C, Kobe Univ., [5]Fac. Agric., Ryukoku Univ.)	2aE05 Function of thylakoidal anion transporters in the marine diatom, Thalassiosira pseudonana Ryousuke Amano, Yoshinori Tsuji, Yusuke Matsuda (Department of Bioscience, Kwansei-Gakuin University)		2aG05 Biological property of a newly developed chemical agonist at HTL/KAI2 Kosuke Fukui[1], Tadao Asami[2], Ken-ichiro Hayashi[1] ([1]Okayama Univ. of Sci., [2]Grad. Sch. Agric. and Life Sci., The Univ. of Tokyo)	2aH05 Role of cyclic AMP at the reproductive stage in *Marchantia polymorpha* Chiaki Yamamoto[1], Fumio Takahashi[1], Noriyuki Suetsugu[2], Takayuki Kohchi[2], Masahiro Kasahara[1] ([1]Grad. Sch. Sci., Univ. Ritsumeikan, [2]Grad. Sch. Sci., Univ. Kyoto)
10:15			2aC06 Improvement of enzymatic saccharification in poplar by ectopic expression of an R3-type small MYB gene Naoki Takata[1], Chiaki Hori[2], Ken'ichiro Matsumoto[2], Pui Ying Lam[3], Yuki Tobimatsu[3], Soichiro Nagano[4] ([1]Forest Bio Res. Cent., For. Forest Prod. Res. Inst., [2]Grad. Sch. Eng., Hokkaido Univ., [3]RISH, Kyoto Univ., [4]Forest Tree Breeding Cent., For. Forest Prod. Res. Inst.)	2aD06 The multi-metabolomics strategy to identify monoterpene indole alkaloids and their localization in *Catharanthus roseus* Ryo Nakabayashi[1], Tetsuya Mori[1], Kei Hashimoto[1], Kiminori Toyooka[1], Yutaka Yamada[1], Hiroshi Tsugawa[1], Kazuki Saito[1,2] ([1]RIKEN CSRS, [2]Chiba Univ.)	2aE06 Specific interaction between *A. thaliana* Trx y2 and Prx Q. Keizo Teshima, Mizuki Aikawa, Yuya Maehama, Naoki Nakagawa (Grad. Sch. Biosphere Sci., Hiroshima Univ.)		2aG06 Transcription Factor D53 Is Involved in the Determination of the Gemma Number Formed in Gemma Cups of *Marchantia polymorpha* Aino Komatsu[1], Yohei Mizuno[1], Kyoichi Kodama[2], Shota Shimazaki[1], Satoshi Naramoto[1], Kimitsune Ishizaki[3], Junko Kyozuka[1] ([1]Grad. Sch., Life Sci., Tohoku Univ., [2]Fac. Sci., Tohoku Univ., [3]Grad. Sch. Sci., Kobe Univ.)	2aH06 Analysis of male germ cell behavior in pollen based on biolistic delivery of exogenous genes Shiori Nagahara[1], Daisuke Kurihara[1,2], Tetsuya Higashiyama[1,3], Yoko Mizuta[1,2] ([1]WPI-ITbM, Nagoya Univ., [2]JST, PRESTO, [3]Grad. Sch. Sci., Nagoya Univ.)
10:30			2aC07 Cell wall regulatory mechanism by polysaccharide chains of arabinogalactan proteins (AGPs) in Arabidopsis Ryoya Okawa, Mari Ohnishi, Yoshikatsu Matsubayashi (Grad. Sch. Sci., Univ. Nagoya)	2aD07 Metabolomic genome-wide association study using soybean core collections under drought stress Kai Uchida[1], Yuji Sawada[1], Hiromi Kajiya-Kanegae[3], Mami Okamoto[1], Muneo Sato[1], Yutaka Yamada[1], Mai Tsuda[2], Yusuke Toda[3], Yuji Yamazaki[4], Hisashi Tsujimoto[4], Akito Kaga[5], Mikio Nakazono[6], Hiroyoshi Iwata[3], Toru Fujiwara[3], Masami Yokota Hirai[1] ([1]RIKEN CSRS, [2]Grad. Sch. Life and Env. Sci., Univ. Tsukuba, [3]Grad. Sch. of Agric. and Life Sci., Univ. Tokyo, [4]ALRC, Tottori Univ., [5]Institute of Crop Science, NARO, [6]Grad. Sch. of Bioagr. Sci., Univ. Nagoya)	2aE07 The *m*-type thioredoxin negatively regulates PSI cyclic electron transport. Yuki Okegawa, Ken Motohashi (Fac. Life Sci., Kyoto Sangyo Univ.)		2aG07 bZIP family transcription factors regulate the plant organ development via modulating the brassinosteroid signal pathway Hideki Yoshida[1,2], Zenpei Shimatani[3,4], Toshinori Suzuki[3], Rie Terada[3], Miyako Ueguchi-Tanaka[2], Makoto Matsuoka[2], Hiroyuki Tsuji[1] ([1]KIBR, Yohohama City Univ., [2]BBC, Nagoya Univ., [3]Grad. Sch. Agri., Meijo Univ., [4]Grad. Sch. Tech. Innov., Kobe Univ.)	2aH07 Key activation factor of male and female cells for sexual reproduction in Arabidopsis Kumi Matsuura-Tokita[1], Ayaka Ueda[1], Hiroyuki Kitano[2], Hideto Ito[1,2,3], Ayato Sato[2], Takamasa Suzuki[4], Takeshi Nakano[5], Kenichiro Itami[1,2,3], Tetsuya Higashiyama[1,2] ([1]Grad. Sch. Sci., Nagoya Univ., [2]WPI-ITbM, Nagoya Univ., [3]JST ERATO, [4]Col. Biosci. Biotech., Chubu Univ., [5]CSRS, RIKEN)
10:45			2aC08 Accumulation and extrusion of root-cap mucilage in *Arabidopsis thaliana* Kazuki Maeda[1], Tadashi Kunieda[2], Kentaro Tamura[3], Kyoko Hatano[4], Ikuko Hara-Nishimura[5], Tomoo Shimada[1] ([1]Grad. Sch. of Sci., Univ. Kyoto, [2]Div. of Biol. Sci., NAIST, [3]Sch. Food & Nutritional Sci., Univ. Shizuoka, [4]Grad. Sch. of Human and Env. studies., Univ. Kyoto, [5]Fac. Sci. Eng., Konan Univ.)	2aD08 E Physico-chemical and cooking characteristics of rice varieties Mahbuba Khatoon[1], Dr. Md.Tariqul Islam[2] ([1]CROP PHYSIOLOGY DIVISION, BINA, MYMENSINGH, BANGLADESH, [2]CROP PHYSIOLOGY DIVISION, BINA, MYMENSINGH, BANGLADESH)	2aE08 A novel subunit of the chloroplast NDH complex was acquired via the tandem duplication of an assembly factor gene Yoshinobu Kato[1], Masaki Odahara[2], Toshiharu Shikanai[1] ([1]Grad. Sch. Sci., Kyoto Univ., [2]RIKEN)		2aG08 BRASSINOSTEROID-RELATED HOMEOBOX-1 (BHB1) negatively regulates Brassinosteroid responses Reika Hasegawa[1], Kenjiro Fujita[2,3], Yuichiro Tanaka[2,3], Hironori Takasaki[1], Miho Ikeda[1], Ayumi Yamagami[2], Nobutaka Mitsuda[4], Takeshi Nakano[2], Masaru Ohme-Takagi[1] ([1]Grad. Sch. Science and Engineering., Univ. Saitama, [2]Riken CSRS, [3]Grad. Sch. Agriculture., Univ. Meiji, [4]AIST. Bioproduction Research Institute)	2aH08 E Establishment of an in vitro fertilization system in wheat (Triticum aestivum L.) Tety Maryenti[1], Norio Kato[1,2,3], Masako Ichikawa[3], Takashi Okamoto[1,2] ([1]Tokyo Metropolitan University, Dept of Biol Sci, [2]RIKEN Cluster for Science, Plant Breeding Innovation Laboratory, [3]Japan Tobacco Inc., Plant Innovation Center)

Room I	Room J	Room K	Room L	Room M	Room N	Room O	Time
Organelles/Cytoskeleton	Vegetative growth	Plant-organism interaction A		Environmental responses B		Others (New technology, Bioresources)	
2aI05 Visualization of organelle dynamics during spermiogenesis in *Marchantia polymorpha* Naoki Minamino[1], Takuya Norizuki[1,2], Kazuo Ebine[1,3], Takashi Ueda[1,3] ([1]National Inst., for Basic Biology, [2]Grad. Sch. Sci., The Univ. Tokyo, [3]SOKENDAI)	2aJ05 E Regulation of margin cell division in Arabidopsis cotyledon Lian Xu[1], Yuli Jian[2], Shingo Nagawa[1] ([1]FAFU-UCR Joint Center and Fujian Provincial Key Laboratory of Haixia Applied Plant Systems Biology, Haixia Institute of Science and Technology, Fujian Agriculture and Forestry University, [2]Shanghai Center for Plant Stress Biology, CAS)	2aK05 Induction mechanism of hypersensitive cell death induced by effector protein IPPT derived from plant pathogenic bacteria *Acidovorax avenae* Minami Nakamura[1], Machiko Kondo[2], Takehito Furukawa[2], Takemasa Kawaguchi[1], Kohki Yamada[1], Fang-Sik Che[1,2] ([1]Graduate School of Bioscience, Nagahama Institute of Bio-Science and Technology, [2]Depertment of Bio-Sscience, Nagahama Institute of Bio-Science and Technology)		2aM05 Functional analysis of the antagonistic roles of class I and II RPD3-like histone deacetylases in response to environmental stresses Minoru Ueda[1,2], Akihiro Ito[3,4], Akihiro Matsui[1,5], Takehiro Suzuki[6], Maho Tanaka[1,5], Junko Ishida[1,5], Naoshi Dohmae[6], Minoru Yoshida[3,7], Motoaki Seki[1,2,5,8] ([1]Plant Genomic Network RT, RIKEN, [2]CREST, JST, [3]Chemical Genomics RG, RIKEN, [4]Dept. Mol. Biol., Tokyo Univ. Pharmacy & Life Sci., [5]Plant Epigenome Regulation Lab., RIKEN, [6]Biomolecular Characterization Unit, RIKEN, [7]Grad. Sch. Agr. & Life Sci., Univ. Tokyo, [8]Kihara Inst., Yokohama City Univ.)		2aO05 Enhanced FnCpf1-mediated genome editing using crRNA with short target sequence in rice Masafumi Mikami[1,2], Masaki Endo[2], Seiichi Toki[1,2,3] ([1]Grad. Sch. Nanobiol., Yokohama City Univ., [2]NIAS, NARO, [3]Kihara. Inst. Biol. Res., Yokohama City Univ.)	10:30
2aI06 The novel nuclear protein SANP1 is involved in root penetration into agar medium Chieko Goto[1,2,3], Kentaro Tamura[1,4], Ikuko Hara-Nishimura[5], Marie-Edith Chaboute[2] ([1]Grad. Sch. Sci., Kyoto Univ., [2]IBMP, CNRS, unistra Strasbourg France, [3]Grad. Sch. Agri. & Life Sci., Univ. Tokyo, [4]Sch. Food & Nutritional Sci., Univ. Shizuoka, [5]Fac. Sci. Eng., Konan Univ.)	2aJ06 Characterization of cambium stem cell activity during secondary growth in the hypocotyl of Arabidopsis Dongbo Shi[1], Vadir Lopez[1], Ivan Lebovka[1], Pablo Sanchez[2], Virginie Jouannet[1], Thomas Greb[1] ([1]Centre for Organismal Studies Heidelberg, Department of Developmental Physiology, [2]The Gregor Mendel Institute of Molecular Plant Biology)	2aK06 Relationship between defense priming and sustained upregulation of WRKY transcript levels induced by *Hyaloperonospora arabidopsidis* infection in *Arabidopsis* Kanoknipa Sukaoun[1], Tokuji Tsuchiya[2] ([1]Grad. Sch. ALS., Nihon Univ., [2]Coll. Biores. Sci., Nihon Univ.)		2aM06 Analysis of leaf growth regulation under mild salt stress condition Mika Fujii[1], Miho Ikeda[1], Nobutaka Mitsuda[2], Masaru Ohme-Takagi[1] ([1]Grad.Sch.Science and Engineering.,Saitama Univ., [2]AIST)		2aO06 Involvement of alternative non-homologous end joining pathways (altNHEJ) in *Agrobacterium*-mediated stable transformation of rice Ayako Nishizawa-Yokoi[1,2], Hiroaki Saika[1], Lan-Ying Lee[3], Stanton B. Gelvin[3], Seiichi Toki[1,4] ([1]NIAS, NARO, [2]JST, PRESTO, [3]Purdue University, [4]Kihara Inst. Biol. Res., Yokohama City Univ.)	10:45
2aI07 Estimation of intracellular ATP concentration from the flagellar beat frequency of the unicellular green alga Chlamydomonas reinhardtii Wakako Takano[1], Toru Hisabori[2], Ken-ichi Wakabayashi[2] ([1]Sch Life Biotech, Tokyo tech, [2]CLS, Tokyo Tech)	2aJ07 E Investigation of the expression pattern of AtRecQ gene family during vegetative and reproductive development in *Arabidopsis thaliana* Amit Kumar Dutta[1,2], Mst Momtaz Sultana[1,2], Takushi Hachiya[1], Tsuyoshi Nakagawa[1] ([1]Dept. Mol. Func. Genomics, Int. Center Sci. Res., Shimane Univ., [2]The United Graduate School of Agricultural Sciences (UGSAS), Tottori Univ.)	2aK07 The characterization of LPS-induced 65 AtLBR-2-dependent up-regulated genes Sayaka Iizasa[1,2], Ei'ichi Iizasa[3], Keiichi Watanabe[2], Yukio Nagano[2] ([1]Cntr. for Higher Edu., Kagoshima Univ., [2]Grad. Sch. Agric., Saga Univ., [3]Dept. Immunol., Grad. Sch. Med. and Dent. Sci., Kagoshima Univ.)		2aM07 Simple physical-based model of transpiration and water uptake of plants for physio-ecological study Tsuneo Kuwagata, Horoki Ikawa (NARO Institute for Agro-Environmental Sciences)		2aO07 Efficient reverse genetic screening by CRISPR/Cas9-based genome editing in the green alga Coccomyxa sp. strain KJ Akira Nukazuka[1], Yuya Yoshimitsu[1], Shigeaki Harayama[2] ([1]DENSO Corporation, [2]Chuo Univ.)	11:00
2aI08 GFP or TagRFP multimerization artifactually adhere organelle membrane and inhibit plant growth Shoji Segami[1], Satoru Kinoshita[1], Takashi Shimada[2], Tomoo Shimada[3], Ikuko Hara-Nishimura[4], Masayoshi Maeshima[1] ([1]Grad. Sch. Bioagr. Sci., Nagoya Univ., [2]Grad. Sch. Horticulture, Chiba Univ., [3]Grad. Sch. Sci., Kyoto Univ., [4]Fac. Sci. Eng., Konan Univ.)	2aJ08 E Spatial regulation involved in bi-directional differentiation of vascular cells in *Arabidopsis* Alif Meem Nurani[1], Yuki Kondo[1], Yuki Sakamoto[2], Kazuo Ebine[3,4], Sachihiro Matsunaga[5], Takashi Ueda[3,4], Hiroo Fukuda[1] ([1]Grad. Sch. Sci., Univ. Tokyo, [2]IFC, RIST, Tokyo Univ. Sci., [3]Div. Cellular Dynamics, NIBB, [4]Sch. Life Sci., SOKENDAI, [5]Sci. Tech., Tokyo. Univ. Sci.)	2aK08 E PUB4, a novel CERK1 interactor, positively regulate chitin-induced immune signaling Yoshitake Desaki[1,2], Shohei Takahashi[1], Saki Matsui[1], Ikuya Yoshimi[1], Masaki Kohari[1], Emi Yumoto[3], Koji Miyamoto[4], Naoto Shibuya[1], Hanae Kaku[1] ([1]Dept. Life Sciences, Sch. Agriculture, Meiji University, [2]Dept. Biological Science and Technology, Fac. Industrial Science and Technology, Tokyo University of Science, [3]Advanced Instrumental Analysis Center of Teikyo University, [4]Dept. Biosciences, Fac. Science and engineering, Teikyo University)		2aM08 Suberin at the exodermis act as constitutive barrier to radial oxygen loss in *Echinochloa* Masato Ejiri, Katsuhiro Shiono (Grad. Sch. Biosci. & Biotech., Fukui Pref. Univ.)		2aO08 A Forward Genetics-based Genome Editing of a Green Alga Coccomyxa Improved Its Oil Productivity Yoko Ide[1], Jumpei Hayakawa[2], Yuya Yoshimitsu[1], Satoko Komatsu[1], Shuua Tagiri[2], Hiyori Fukahori[2], Sousuke Imamura[2,3], Shigeaki Harayama[2] ([1]DENSO CORP., [2]Dep. Biol. Sci., Chuo Univ., [3]Tokyo Institute of Technology)	11:15

E=Presentation in English

● Day 2, Thu., March 14, AM (9:00–12:00)

Time	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H
		Symposium S07 Find out the mechanism supporting C4 photosynthesis (9:00–11:45)	Cell wall	Secondary metabolism	Photosynthesis	The 15th Database Workshop (9:00–12:00)	Plant hormones/ Signaling molecules	Reproductive growth
11:30			2aC09 Identification of characteristic gene expression in interfamily grafting of *Nicotiana* Michitaka Notaguchi[1,2,3], Ryo Tabata[1], Koji Okayasu[1], Yu Sawai[1], Takamasa Suzuki[4], Ken-ichi Kurotani[1] ([1]Grad. Sch. Bioagri. Sci., Nagoya Univ., [2]ITbM, Nagoya Univ., [3]PRESTO, Nagoya Univ., [4]Grad. Sch. Biosci. Biotech, Chubu Univ.)	2aD09 Mechanism of glucosinolate breakdown under sulfur deficiency Ryosuke Sugiyama, Ayuko Kuwahara, Masami Yokota Hirai (RIKEN CSRS)	2aE09 Low temperature stimulates ferredoxin-independent cyclic electron flow within photosystem I of thylakoid membranes in *wheat leaves* Hiroaki Ihara, Chikahiro Miyake (Grad. Sch. Agri., Univ. Kobe)		2aG09 Interaction between strigolactone and brassinosteroid on leaf angle in rice Masato Shindo, Koichiro Shimomura, Mikihisa Umehara (Grad. Sch. Life Sci., Toyo Univ.)	2aH09 Structural and functional analyses of the cysteine-rich domain of *Arabidopsis* Gex1 protein required for polar nuclear fusion Shuh-ichi Nishikawa[1], Chiharu Suzuki[2], Shin Kawano[3], Nobuhisa Watanabe[4], Toshiya Endo[3] ([1]Fac. Sci., Niigata Univ., [2]Fac. Sci., Niigata Univ., [3]Fac. Life Sci., Kyoto Sangyo Univ., [4]NUSR, Nagoya Univ.)
11:45			2aC10 Analysis of regulatory mechanisms of intercellular space formation in land plants Miya Mizutani[1], Yuki Hayashi[1], Kimitsune Ishizaki[2], Ryuichi Nishihama[3], Toshinori Kinoshita[1,4], Takayuki Kohchi[3], Tetsuya Higashiyama[1,4], M. Masahiro Kanaoka[1] ([1]Grad. Sch. Sci., Nagoya Univ., [2]Grad. Sch. Sci., Kobe Univ., [3]Grad. Sch. Biostudies, Kyoto Univ., [4]ITbM, Nagoya Univ.)	2aD10 Alteration of glucosinolate metabolism by light conditions in *Arabidopsis* leaf Tomomi Ichinose[1], Yuzo Yamazaki[2], Daisuke Miura[3], Sun-Ju Kim[4], Akiko Maruyama-Nakashita[1] ([1]Fac.Agr.Kyushu Univ., [2]Shimadzu Corporation, [3]AIST, [4]Chungnam National Univ.)	2aE10 Ferredoxin-independent cyclic electron flow within photosystem I (PSI) of thylakoid membranes in *wheat leaves* Kanae Kadota[2,5], Riu Furutani[1], Amane Makino[3,5], Yuji Suzuki[4,5], Shinya Wada[4,5], Chikahiro Miyake[2,5] ([1]Fac. Agri. Kobe Univ., [2]Fac. Agri. Grad. Sch. Kobe Univ., [3]Fac. Agri. Grad. Sch. Tohoku Univ., [4]Fac. Agri. Iwate Univ., [5]Core Research for Environmental Science and Technology)			2aH10 Hunting Of Zygote Polarity Regulators By Transcriptomic Approach Yusuke Kimata[1], Takamasa Suzuki[2], Miya Mizutani[1,3], Tomomi Yamada[1,3], M. Masahiro Kanaoka[1,3], Tetsuya Higashiyama[1,3], Minako Ueda[1,3] ([1]Grad. Sch. Sci., Nagoya Univ., [2]College of Bioscience and Biotechnology, Chubu Univ., [3]Institute of Transformative Bio-Molecules (ITbM), Nagoya Univ.)
12:00			2aC11 Tissue-specific expression of genes related to tissue reunion and vascular differentiation in incised Arabidopsis inflorescence stems Yusuke Oba[1], Sakura Yoshihara[1], Tsutomu Aohara[1], Keita Matsuoka[2], Masashi Asahina[2], Yuki Kondo[3], Shinobu Satoh[1] ([1]Grad. Sch. Life and Envi. Sci., Univ. Tsukuba, [2]Bio. Sci., Univ. Teikyo, [3]Grad. Sch. Sci., Univ. Tokyo)	2aD11 Functional Analysis of the Phytochelatin Synthases in the Biosynthesis of *S*-Alk(en) ylcysteine Sulfoxides in Garlic Yumina Oiwa[1], Masayo Asano[1], Hideyuki Suzuki[2], Yukihiro Kodera[3], Tadamitsu Tsuneyoshi[3], Kazuki Saito[1], Naoko Yoshimoto[1] ([1]Grad. Sch. Pharm. Sci., Chiba Univ., [2]Kazusa DNA Research Institute, [3]Wakunaga Pharmaceutical Co., Ltd.)	2aE11 E A photosystem I assembly factor, CGL71, is involved in a PSI RC assembly in the green alga *Chlamydomonas reinhardtii* Sreedhar Nellaepalli[1,2], Yuichiro Takahashi[1,2] ([1]Research Institute for Interdisciplinary Science, Okayama University, [2]JST-CREST)			2aH11 Functional analysis of ENDOSEPRM3 in Arabidopsis Hironori Takasaki[1], Miho Ikeda[1], Yilin Zhang[1], Daisuke Maruyama[2], Nobutaka Mitsuda[3], Tetsu Kinoshita[2], Masaru Ohme-Takagi[1] ([1]Grad. Sch. Sci. Eng., Univ. Saitama, [2]Kihara Inst.Biol. Res., Univ., Yokohama City, [3]Bioprod. Res. Inst., AIST)
12:15			2aC12 Analysis of contribution of GSL family to low-Ca tolerance in *Arabidopsis thaliana* Yusuke Shikanai[1], Mayu Asada[1], Shunsaku Kuroki[2], Mutsumi Yamagami[3], Shuji Shigenobu[4], Katsushi Yamaguchi[4], Takehiro Kamiya[1], Toru Fujiwara[1] ([1]Grad. Sch. Agric. Sci., Univ. Tokyo, [2]Fac. Agric., Univ. Tokyo, [3]Inst. Environ. Sci., [4]Natl. Inst. Basic Biol.)	2aD12 Functional Analysis of LeDI-2, a Small Protein Specifically Expressed Upon Shikonin Production in *Lithospermum erythrorhizon* Takuji Ichino[1], Kanade Tatsumi[1], Taku Tsuyama[2], Kazufumi Yazaki[1] ([1]RISH, Kyoto Univ., [2]Fac. Agri., Univ. Miyazaki)	2aE12 E Pet9, a rhodanese-like domain protein, involved in the biogenesis of the cytochrome *b6f* complex in maize Yukari Asakura[1], Rosalind Williams-Carrier[2], Alice Barkan[2], Masato Nakai[1] ([1]Inst. Protein Res., Osaka Univ., [2]Inst. Mol. Biol., Univ. Oregon, USA)			2aH12 Phosphatidylinositol 4-phosphate 5-kinase genes, the PtdIns(4,5)P_2 producing enzyme, are responsible for pollen development in *Arabidopsis* Mariko Kato, Machiko Watari, Takashi Fujiwara, Takashi Aoyama (Inst. Chem. Res., Kyoto Univ.)

Room I	Room J	Room K	Room L	Room M	Room N	Room O	Time
Organelles/Cytoskeleton	Vegetative growth	Plant-organism interaction A		Environmental responses B		Others (New technology, Bioresources)	
2aI09 Cell Cycle Dependent Changes in Localization of *Arabidopsis* Intermediate Filament Motif Protein in Transgenic Tobacco BY-2 Cells and the Expression of a Homologous Gene. Hitomi Yamashita[2], Hikaru Utsunomiya[1], Tsuyoshi Kaneta[1] ([1]Grad. Sch. Sci. & Eng., Ehime Univ., [2]Fac. Sci., Ehime Univ.)	2aJ09 A study of cambial cell identity by VISUAL-single cell analysis Shunji Yamada, Hiroo Fukuda, Yuki Kondo (Grad. Sch. Sci., Univ. of Tokyo)	2aK09 E Interference of *Arabidopsis thaliana* growth and immune system by Rhizobiales commensal bacteria Ryohei Thomas Nakano[1,2], Ruben Garrido-Oter[1,2], Pawel Bednarek[3], Paul Schulzre-Lefert[1,2] ([1]Max Planck Institute for Plant Breeding Research (MPIPZ), [2]Cluster of Excellence on Plant Sciences (CEPLAS), [3]Polish Academy of Sciences)		2aM09 E Photosynthesis and Yield Performance of Sesame Genotypes under Different Water Logging Period Dr. Md. Tariqul Islam[1], Mahbuba Khatoon[2] ([1]CROP PHYSIOLOGY DIVISION, BINA, MYMENSINGH, BANGLADESH, [2]CROP PHYSIOLOGY DIVISION, BINA, MYMENSINGH, BANGLADESH)		2aO09 E Establishment of Agrobacterium-mediated transient transformation in *Marchantia polymorpha* Hidekazu Iwakawa, Hirofumi Nakagami (Max Planck Institute for Plant Breeding Research)	11:30
2aI10 Straight organ growth requires NEK6-dependent dampening of microtubule response to mechanical stress Shogo Takatani[1], Stéphane Verger[1], Takashi Okamoto[2], Taku Takahashi[2], Olivier Hamant[1], Hiroyasu Motose[2] ([1]Plant Development and Reproduction Laboratory, ENS de Lyon, [2]Grad. Sch. Nat. Sci. & Tech., Okayama Univ.)	2aJ10 Analysis of cell fate determination with a novel culture system for phloem companion cell differentiation Takayuki Tamaki[1], Satoyo Oya[1], Makiko Naito[1], Yasuko Ozawa[1], Mayuko Sato[2], Mayumi Wakazaki[2], Kiminori Toyooka[2], Hiroo Fukuda[1], Yuki Kondo[1] ([1]Grad. Sch. Sci., Univ. of Tokyo, [2]RIKEN, CSRS)	2aK10 E The suppression of immune responses in nematode-resistant plant *Solanum torvum* by root-knot nematode, *Meloidogyne arenaria* Kazuki Sato[1], Yasuhiro Kadota[1], Pamela Gan[1], Taketo Uehara[2], Takahiro Bino[3], Katsushi Yamaguchi[3], Yasunori Ichihashi[4,5], Hideaki Iwahori[6], Noriko Maki[1], Shuji Shigenobu[3], Takamasa Suzuki[7], Ken Shirasu[1,8] ([1]RIKEN CSRS, [2]National Agriculture and Food Research Organization, [3]National Institute for Basic Biology, [4]RIKEN BRC, [5]JST PRESTO, [6]Ryukoku Univ., [7]Chubu Univ., [8]Univ. Tokyo)		2aM10 Genetic analysis of acquired osmotolerance in Arabidopsis thaliana using acquired tolerant mutants Masashi Tamura, Satoru Kunitake, Izumi Yotsui, Yoichi Sakata, Teruaki Taji (Department of Bioscience, Tokyo Univ. of Agriculture)		2aO10 Transient expression system "Tsukuba system" for production of recombinant proteins in plants. Kenji Miura, Ken Hoshikawa, Tsuyoshi Yamamoto, Miyo Takaoka, Hiroshi Ezura (Faculty of Life and Environmental Sciences/ Tsukuba-Plant Innovation Research Center, University of Tsukuba)	11:45
2aI11 The microtubule-associated protein family, CORD, is required for phragmoplast formation in mitosis Takema Sasaki[1], Takashi Murata[2,3], Kohei Otomo[4], Motosuke Tsutsumi[4], Tomomi Nemoto[4], Mitsuyasu Hasebe[2,3], Yoshihisa Oda[1,5] ([1]Center for Frontier Research, National Institute of Genetics, [2]Division of Evolutionary Biology, National Institutes of Basic Biology, [3]Department of Basic Biology, The Graduate University for Advanced Studies (SOKENDAI), [4]Nikon Imaging Center, Hokkaido University, [5]Department of Genetics, The Graduate University for Advanced Studies (SOKENDAI))	2aJ11 A role of auxin biosynthesis in initial vascular development in Arabidopsis roots Kyoko Ohashi-Ito[1], Kuninori Iwamoto[1], Mikiko Kojima[2], Hitoshi Sakakibara[2,3], Hiroo Fukuda[1] ([1]Grad. Shc. Sci., The Univ. Tokyo, [2]CSRS, RIKEN, [3]Grad. Sch. Bioagri. Sci., Nagoya Univ.)	2aK11 E Expression dynamics of subtilases in the haustorium of the parasitic plant *Phtheirospermum japonicum* Satoshi Ogawa[1], Takanori Wakatake[1,2], Juliane K. Ishida[1,2], Satoko Yoshida[1,3], Yasunori Ichihashi[1,4], Ken Shirasu[1,2] ([1]RIKEN, CSRS, [2]Grad. Sch. of Sci., Univ. of Tokyo, [3]Grad. Sch. of Bio. Sci., NAIST, [4]JST, PRESTO)		2aM11 Genetical analysis of natural variation in salt tolerance among Arabidopsis thaliana accessions Yu Ito, Izumi Yotsui, Yoichi Sakata, Teruaki Taji (Dept of Bioscience, Tokyo Univ. of Agriculture)		2aO11 Establishment and metabolic profiling of light-emitting plants using luciferin-luciferase system Yuji Sawada, Kai Uchida, Masami Yokota Hirai (RIKEN Center for Sustainable Resource Science)	12:00
2aI12 Fluorescent microscopic observation of actin filaments and microtubules directly fused with fluorescent proteins in plant cells Saku Kijima[1], Nobutaka Mitsuda[1], Taro Uyeda[2] ([1]Bioproduction Res. Inst., AIST, [2]Dept. Physics, Waseda Univ.)	2aJ12 Functional analysis of HR0109 transcription factor that regulates cell division and differentiation in plants. Mikiya Takahashi[1], Miho Ikeda[1], Nobutaka Mitsuda[2], Masaru Ohme-Takagi[1,2] ([1]Grad. Sch. Sci., Univ. Saitama, [2]Bioproduction Research institute, National Institute of Advanced Industrial Science and Technology)	2aK12 Overexpression and subcellular localization analyses of the candidates for genes of salicylic acid synthetic pathway Hirotomo Komori, Sayaka Imano, Shinpei Katou (Katou Shinpei lab., Fac. Agr., Shinshu Univ.)		2aM12 Isolation and characterization of acquired osmotolerance defective (aod) mutants from A. thaliana Bu-5 Takashi Koyama[1], Ryohei Yoshihara[2], Shigeki Nozawa[2], Yoshihiro Hase[2], Issay Narumi[2], Izumi Yotsui[1], Yoichi Sakata[1], Teruaki Taji[1] ([1]Department of Bio Science; Tokyo University Of Agriculture, [2]Ion beam Mutagenesis Research Group; Quantum Beam Science Directorate)		2aO12 Accelerating Soybean Breeding in a CO_2-Supplemented Growth Chamber Yukari Nagatoshi[1], Yasunari Fujita[1,2] ([1]Japan International Research Center for Agricultural Sciences(JIRCAS), [2]Univ. Tsukuba)	12:15

E=Presentation in English

● Day 2, Thu., March 14, PM (13:30–16:00)

Time	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H
	Symposium S08 How to inherit and rewrite cellular memory in plants (13:30–16:00)	Symposium S09 Plant mineral transporters: from function to structure and modelling (13:30–16:00)	Photoreceptors/ Photoresponses		Photosynthesis	Flowering/Clock		Membrane trafficking
13:30			2pC01 Forward Genetic Analysis of Phytochrome-Mediated Alternative Promoter Selection Nanako Katake, Jaewook Kim, Tomokazu Ushijima, Tomonao Matsushita (Fac. Agr., Kyushu Univ.)		2pE01 Enhancement of charge separation in the photosynthetic reaction center of the green sulfur bacterium *Chlorobaculum tepidum* with external phylloquinons Chihiro Azai[1], Su Lin[2,3], Kein E. Redding[2] ([1]Col. Life Sci., Ritsumeikan Univ., [2]The Biodesign Inst., Arizona State Univ., [3]Sch. Mol. Sci., Arizona State Univ.)	2pF01 A primordial flowering module underlies the protective response of algal photosynthesis Ryutaro Tokutsu[1], Konomi Kamada-Fujimura[1], Takuya Matsuo[2], Tomohito Yamasaki[3], Jun Minagawa[1] ([1]Div. Envir. Photobiol., NIBB, [2]Cent. Gene Res., Nagoya Univ., [3]Sci. Technol. Dep., Kochi Univ.)		2pH01 Dynamic relationship between ER exit sites and moving Golgi stacks in plant cells Junpei Takagi[1], Tomoo Shimada[2], Ikuko Hara-Nishimura[1] ([1]Fac. of Sci. and Eng., Konan Univ., [2]Grad. Sch. of Sci., Kyoto Univ.)
13:45			2pC02 Cis-Element Analysis of Phytochrome-Mediated Alternative Promoter Selection in Arabidopsis Jaewook Kim[1], Mika Nomoto[2], Yasuomi Tada[2], Tomonao Matsushita[1] ([1]Fac. Agr., Kyushu Univ., [2]Gene Research Center, Nagoya Univ.)		2pE02 Theoretical Model of Exciton States and Ultra-fast Energy Transfer in Heliobacterial Type-I Homodimeric Reaction Center Akihiro Kimura, Shigeru Itoh (Dept Physics, Grad Sch. Sci., Nagoya Univ)	2pF02 Floral induction by day lengths and environmental stresses in a duckweed, *Wolffiella hyalina*. Minako Isoda, Shogo Ito, Tokitaka Oyama (Dept. Bot., Grad. Sch. Sci., Kyoto Univ.)		2pH02 Mechanisms of membrane trafficking regulating male gametogenesis in *Arabidopsis* Kazuo Ebine[1,2], Takashi Ueda[1,2] ([1]Div. Cellular Dynamics, NIBB, [2]Sch. Life Sci., SOKENDAI)
14:00			2pC03 Both phytochrome phytochrome B proteins in shoots and roots are involved in the regulation of -mediated regulatory mechanism of phosphorus acquisition Yasuhito Sakuraba[1], Satomi Kanno[1], Atsushi Mabuchi[2], Keina Monda[2], Koh Iba[2], Shuichi Yanagisawa[1] ([1]Biotech. Res. Center, Univ. Tokyo, [2]Dept. Biol., Fac. Sci., Kyushu Univ.)		2pE03 Spectroscopic analyses of the D1-S169A mutant of photosystem II for understanding the water oxidation mechanism Yuichiro Shimada[1], Tomomi Kitajima-Ihara[1], Ryo Nagao[1,2], Takumi Noguchi[1] ([1]Grad. Sch. Sci., Nagoya Univ., [2]RIIS, Okayama Univ.)	2pF03 A mechanical model for circadian clock in KaiC: Harmonic oscillator in CI-ATPase as pacemaker for stable periodicity Kumiko Ito-Miwa[1], Tomoaki Muranaka[2], Takao Kondo[1] ([1]Grad. Sch. Sci., Nagoya Univ., [2]Center for Ecological Research, Kyoto Univ.)		2pH03 Regulatory Mechanisms of Biogenesis of the Oil Body in *Marchantia polymorpha* Takehiko Kanazawa[1,2], Takashi Ueda[1,2] ([1]Cellular Dynamics, NIBB, [2]Life Sci., SOKENDAI)
14:15			2pC04 Far-red high-irradiance response signaling regulates reproductive induction in *Marchantia polymorpha* Keisuke Inoue, Ryuichi Nishihama, Takashi Araki, Takayuki Kohchi (Grad. Sch. Biostudies, Univ. Kyoto)		2pE04 Post-translational modification of D1 protein in PSII repair cycle Yusuke Kato[1], Dogra Vivek[2], Li Mingyue[2], Hiroshi Kuroda[3], Yuichiro Takahashi[3], Kim Chanhong[2], Wataru Sakamoto[1] ([1]IPSR Okayama University, [2]Shanghai Center for Plant Stress Biology and Center of Excellence in Molecular Plant Sciences, Chinese Academy of Sciences, China, [3]Research Institute for Interdisciplinary Science, Okayama University)	2pF04 A mechanical model for circadian clock in KaiC: Loose coupling between two ATPases in KaiC sustains robust oscillation Kumiko Ito-Miwa[1], Tomoaki Muranaka[2], Takao Kondo[1] ([1]Grad.Sch. Sci.,Nagoya Univ., [2]Center for Ecological Research, Kyoto Univ.)		2pH04 Search for the molecular determinants for plasma membrane localization of a cuticle-related transporter ABCG11 in Arabidopsis Hirokazu Tanaka[1], Satomi Tai[2], Yuki Hashiguchi[2], Megumi Eguchi[1], Keita Mitani[1], Tatsuo Kakimoto[2] ([1]Sch. Agri., Meiji Univ., [2]Grad. Sch. Sci., Osaka Univ.)
14:30			2pC05 The analysis of MYB involved in light signaling as a negative factor in *Arabidopsis thaliana* Setsuko Shimada[1], Yukio Kurihara[1], Takachika Munesada[1,2], Yoko Horii[1], Tomoko Kuriyama[1], Mika Kawashima[1], Minami Matsui[1] ([1]RIKEN CSRS, [2]Grad. Sch. NanoBioscience., Yokohama City Univ.)		2pE05 Structural changes of oxygen-evolving PSII during S-state transitions revealed by XFEL Michihiro Suga[1], Fusamichi Akita[1], Keitaro Yamashita[2], Yoshiki Nakajima[1], Minoru Kubo[3], Go Ueno[5], Honjie Li[1], Takahiro Yamane[1], Yasufumi Umena[1], Shin-Ichiro Yonekura[1], Long-Jiang Yu[1], Hironori Murakami[5], Takashi Nomura[3], Seiki Baba[4], Takashi Kumasaka[4], Masaki Yamamoto[5], Hideo Ago[5], Jian-Ren Shen[1] ([1]Research Institute for Interdisciplinary Science, Okayama University, [2]University of Tokyo, [3]University of Hyogo, [4]Japan Synchrotron Radiation Research Institute, [5]RIKEN SPring-8 Center)	2pF05 Circadian oscillation of cyanobacterial clock protein KaiC under anaerobic conditions Megumi Fujimoto, Yoshitaro Sambayashi, Chihiro Azai, Kazuki Terauchi (Grad. Sch. Life Sci., Ritsumeikan Univ.)		2pH05 GPI-anchoring is required for the proper transport and glycan assembly of arabinogalactan protein precursor Daiki Nagasato[2], Yuto Sugita[2], Yuhei Tsuno[2], Ken Matsuoka[1,2,3] ([1]Fac. Agr., Kyushu Univ., [2]Grad. Sch. Bio-Env. Sci.、Kyushu Univ., [3]Biotron Appl. Ctr., Kyushu Univ.)

Room I	Room J	Room K	Room L	Room M	Room N	Room O	Time
Organelles/Cytoskeleton	Vegetative growth	Plant-organism interaction A, B		Environmental responses C			
2pI01 HIGH STEROL ESTER 1 Has a Key Role in Plant Sterol Homeostasis on Endoplasmic Reticulum Takashi Shimada[1], Tomoo Shimada[2], Yozo Okazaki[3], Yasuhiro Higashi[4], Kazuki Saito[4,5], Keiko Kuwata[6], Kaori Oyama[7], Misako Kato[7], Yoshitaka Takano[8], Takashi Ueda[9,10,11], Akihiko Nakano[12], Haruko Ueda[13], Ikuko Hara-Nishimura[13] ([1]Grad. Sch. of Horticulture, Chiba Univ., [2]Grad. Sch. of Sci., Kyoto Univ., [3]Mie Univ., [4]RIKEN Center for Sustainable Resource Science, [5]Grad. Sch. of Pharmaceutical Sciences, Chiba Univ., [6]Nagoya Univ., [7]Ochanomizu Univ., [8]Grad. Sch. of Agri., Kyoto Univ., [9]National Institute for Basic Biology, [10]JST PRESTO, [11]SOKENDAI, [12]RIKEN Center for Advanced Photonics, [13]Konan Univ.)	2pJ01 The roles of GSK3-BES1 signaling module in *Marchantia polymorpha* Tomoyuki Furuya[1], Kimitsune Ishizaki[2], Ryuichi Nishihama[3], Takayuki Kohchi[3], Hiroo Fukuda[1], Yuki Kondo[1] ([1]Grad. Sch. Sci., Univ. Tokyo, [2]Grad. Sch. Sci., Kobe Univ., [3]Grad. Sch. Biostudies, Kyoto Univ.)	2pK01 E Field Analyses For Structural Dynamics Of Rice Associated Microbiome Yuniar Devi Utami[1], Masako Fuji[1], Yukiko Shimizu[1], Yuichi Hongoh[2], Yutaka Sato[3], Yusuke Saijo[1] ([1]Grad. Sch. Sci. Tech., NAIST, [2]Sch. Life Sci. Tech., Tokyo Tech., [3]NIG)		2pM01 Cold-inducible expression of Arabidopsis *DREB1* genes regulated by circadian clock components Satoshi Kidokoro[1], Hiroki Haraguchi[1], Tomona Ishikawa[1], Satomi Toda[1], Kazuo Shinozaki[2], Kazuko Yamaguchi-Shinozaki[1] ([1]Grad. Sch. Agr. Life Sci., Univ. Tokyo, [2]Center for Sustainable Resource Science, RIKEN)			13:30
2pI02 Identification of components and functional analysis of ER-plasma membrane contact sites Kazuya Ishikawa[1], Kentaro Tamura[2], Yoichiro Fukao[3], Tomoo Shimada[1] ([1]Grad. Sch. Sci., Kyoto Univ., [2]Sch. Food & Nutrition Sci., Univ. Shizuoka., [3]Dept. Bioinfo., Ritsumeikan Univ.)	2pJ02 Analysis of Arabidopsis *DROL1* gene dependent splicing Takamasa Suzuki[1], Yuki Ueno[1], Yusuke Kimata[2], Hideki Tanaka[1], Hibiki Akeda[1], Toru Kato[1], Yuki Sugita[1], Tsutae Kawai[1], Tetsuya Higashiyama[2,3], Kenzo Nakamura[1] ([1]Col. Biosci. Biotech., Chubu Univ., [2]Div. Biol. Sci., Grad. Sch. Sci., Nagoya Univ., [3]WPI-ITbM, Nagoya Univ.)	2pK02 E Three-dimensional reconstruction of the internal structure of a haustorium in parasitic plants Natsumi Masumoto[1], Yuki Suzuki[1,3], Songkui Cui[1,2], Mayumi Wakazaki[2], Mayuko Sato[2], Arisa Shibata[2], Kie Kumaishi[4], Yasunori Ichihashi[4], Ken Shirasu[2,5], Yoshinobu Sato[1], Kiminori Toyooka[2], Satoko Yoshida[1,2] ([1]NAIST, Grad. Sch. Sci. Tech., [2]RIKEN, CSRS, [3]Osaka Uni., [4]RIKEN, BRC, [5]Univ. Tokyo, Grad. Sch. Sci.)		2pM02 Functional Analysis of Protein Kinases that Is Involved in the Post-Translational Regulation of the Stress-Responsive Transcription Factor DREB2A Junya Mizoi[1], Ryosuke Takahashi[1], Norihito Nakamichi[2,3], Toshinori Kinoshita[2,3], Kazuo Shinozaki[4], Kazuko Yamaguchi-Shinozaki[1] ([1]Grad. Sch. Agr. Life Sci., Univ. Tokyo, [2]ITbM, Nagoya Univ., [3]Grad. Sch. Sci. Nagoya Univ., [4]Center for Sustainable Resource Science, RIKEN)			13:45
2pI03 Functional Analysis of the ER-Body-Formation Factor NAI2 in *Arabidopsis* Tadashi Kunieda[1,2], Keiko Kuwata[3], Kenji Yamada[4], Taku Demura[2], Ikuko Hara-Nishimura[1] ([1]Fac. of Sci. and Eng., Konan Univ., [2]Div. of Biol. Sci., NAIST, [3]WPI-ITbM, Nagoya Univ., [4]Malopolska Center Biotechnol., Jagiellonian Univ.)	2pJ03 The transcription factor regulating seed coat cuticle is involved in seed longevity Yoshimi Oshima[1], Takako Narumi[2], Yasuko Kaneko[3], Toshiki Ishikawa[4], Maki Kawai-Yamada[4], Masaru Ohme-Takagi[5], Nobutaka Mitsuda[1] ([1]Bioprod. Res. Inst., Natl. Adv. Ind. Sci. & Tech. (AIST), [2]Fac. Agr. Kagawa univ., [3]Fac. Educ., Saitama Univ., [4]Grad. Sch. Sci & Eng., Saitama univ., [5]Inst. Envir. Sci. & Tech. (IEST), Saitama univ.)	2pK03 E Ethylene signaling is involved in host-parasitic plant interaction via regulation of haustorium development Songkui Cui[1,2], Ken Shirasu[2], Satoko Yoshida[1,2] ([1]Nara Inst. Sci. Tech., [2]RIKEN)		2pM03 Analysis of the subcellular localization of HTS1 protein under high temperature stress Takuya Ogata[1], Yasunari Fujita[1,2] ([1]Biol. Resources Post-harvest Div., JIRCAS, [2]Grad. Sch. Life Environ. Sci., Univ. Tsukuba)			14:00
2pI04 Analysis on the function and localization control of the new factor, APEM6, which is involved in peroxisome biogenesis Akane Kamigaki[1], Mikio Nishimura[2], Shoji Mano[1,3] ([1]NIBB, Dept.Cell Biol., [2]Konan Univ., Facl. Sci., [3]Sokendai, Dept.Basic Biol.)	2pJ04 *Arabidopsis thaliana IDD4* gene is a novel factor for seed germination control Takuya Aoyanagi[2], Akiko Kozaki[1] ([1]Grad. Sch. Sci., univ. Shizuoka, [2]Grad. Sch. Integrated Science and Technology., univ. Shizuoka)	2pK04 Involvement of gibberellin and branching factor in Paris-type arbuscular mycorrhizal symbiosis in *Eustoma grandiflorum* Takaya Tominaga[1], Chihiro Miura[2], Naoya Takeda[3], Yuri Kanno[4], Yoshihiro Takemura[2], Mitsunori Seo[4], Masahide Yamato[5], Hironori Kaminaka[2] ([1]Dept. Agr. Sci., Grad. Sch. Sust. Sci., Tottori Univ., [2]Fac. Arg., Tottori Univ., [3]Schl. Sci. Tech., Kwansei Gakuin Univ., [4]RIKEN CSRS, [5]Fac. Edu., Chiba Univ.)		2pM04 Excess supply of nitrogen mitigate phosphate-starvation stress via the activation of autophagy in plants Yushi Yoshitake[1], Sakuya Nakamura[2], Masanori Izumi[2,3,4], Hiroyuki Ohta[1,5], Mie Shimojima[1] ([1]Sch. Life Sci. Tech., Titech, [2]Grad. Sch. Life Sci., Univ. Tohoku, [3]FRIS, Univ. Tohoku, [4]PREST, JST, [5]OPERA, JST)			14:15
2pI05 GFS9 has a role in piecemeal autophagy of plastids in dark-grown seedlings of Arabidopsis Hiroyuki Ishida[1,6], Hiromi Ishida[1,6], Masanori Izumi[2,3,4], Makoto Hayashi[5], Amane Makino[1], Klaas van Wijk[6] ([1]Grad. Schl. Agr. Sci., Tohoku Univ., [2]Grad. Schl. Life Sci., Tohoku Univ., [3]FRIS, Tohoku Univ., [4]PRESTO, JST, [5]Dept. Biosci., Nagahama Inst. Biosci. Tech., [6]SIPS, Cornell Univ.)	2pJ05 Analysis of transcription factors act downstream of ETT genes in rice embryogenesis Misuzu Nosaka-Takahashi[1], Toshiya Suzuki[1], Sae Shimizu-Sato[1], Nhung Ta Kim[1], Hirokazu Takahashi[2], Takamasa Suzuki[3], Atsushi Toyoda[1], Mikio Nakazono[2], Yutaka Sato[1] ([1]NIG, [2]Grad. Sch. Bioagricultural Sci., Nagoya Univ., [3]Grad. Sch. Biosci. Biotech., Chubu Univ.)	2pK05 Global transcriptome analyses reveal that infection of chrysanthemum stunt viroid (CSVd) affects gene expression profile in chrysanthemum plants, but the siRNAs generated from CSVd RNA genome may not be directly involved in gene silencing that provokes pathogenicity. Hiroki Takino[1], Sakihito Kitajima[2], Saki Hirano[1], Mariko Oka[3], Takakazu Matsuura[4], Yoko Ikeda[4], Mikiko Kojima[5], Yumiko Takebayashi[5], Hitoshi Sakakibara[5], Masanobu Mino[1] ([1]Grad. Sch. Life and Environ. Sci., Kyoto Prefectural Univ., [2]Dep. Applied Biol., Kyoto Inst. of Tech., [3]Fac. Agric., Tottori Univ., [4]Okayama Univ. Inst. Plant Sci. Resour., [5]RIKEN CSRS)		2pM05 Improvements of Plant Growth and developments under Ultra-High CO2 condition in International Space Station Takuya Furuichi, Shiho Matsunami, Aya Kato, Erika Nakazawa, Yui Nagao, Hiroko Fujita (Dept. Human Life Sciences, Nagoya Univ. of Economics)			14:30

E=Presentation in English

● Day 2, Thu., March 14, PM (13:30–16:00)

Time	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H
	Symposium S08 How to inherit and rewrite cellular memory in plants (13:30–16:00)	Symposium S09 Plant mineral transporters: from function to structure and modelling (13:30–16:00)	Photoreceptors/ Photoresponses		Photosynthesis	Flowering/Clock		Membrane trafficking
14:45			2pC06 E AT-hook transcription factors repress petiole growth by antagonizing PIF4 David S Favero[1,4,5], Ayako Kawamura[1], Jae-Hoon Jung[2], Takamasa Suzuki[3], Katja E Jaeger[2], Philip A. Wigge[2], Michael M Neff[4,5], Keiko Sugimoto[1,6] ([1]Cen. Sus. Res. Sci., RIKEN, [2]Sains. Lab. Univ. Cambridge, UK, [3]Dep. Biol. Chem., Chubu Univ., [4]Dep. Crop and Soil Sci, Wash. State Univ., USA, [5]Mol. Plant Sci. Grad. Prog., Wash. State Univ., USA, [6]Dep. Biol. Sci., Univ. Tokyo)		2pE06 Cryo-EM structure of PSII-FCPII super-complex from a diatom Ryo Nagao[1], Fusamichi Akita[1,2], Koji Kato[1], Takehiro Suzuki[3], Kentaro Ifuku[4], Ikuo Uchiyama[5], Yasuhiro Kashino[6], Naoshi Dohmae[3], Seiji Akimoto[7], Naoyuki Miyazaki[8], Jian-Ren Shen[1] ([1]RIIS, Okayama Univ., [2]JST, PRESTO, [3]RIKEN CSRS, [4]Grad. Sch. Bio., Kyoto Univ., [5]NIBB, [6]Grad. Sch. Sci., Univ. Hyogo, [7]Grad. Sch. Sci., Kobe Univ., [8]IPR., Osaka Univ.)	2pF06 Day-length dependent flowering time regulation in tomato. Chie Moriya, Koji Goto (Research Inst. for Biological Sciences, Okayama Pref.)		2pH06 The adaptor protein complex AP-4 plays a role in vacuolar targeting of a borate transporter BOR1. Takuya Hosokawa[1], Akira Yoshinari[1,2], Tadashi Kunieda[3,4], Tomoo Shimada[5], Ikuko Hara-Nishimura[3], Junpei Takano[1] ([1]Grad. Sch. Life Env. Sci., Osaka Pref. Univ., [2]WPI-ITbM, Nagoya Univ., [3]Fac. Sci. Eng., Konan Univ., [4]Grad. Sch., Biosci., NAIST., [5]Grad. Sch. Sci., Kyoto Univ.)
15:00			2pC07 Finding of novel Phy-Cry fusion gene from marine metagenome and its genome and functional analysis. Yuko Makita[1], Setsuko Shimada[1], Aya Suehisa[1], Tomoko Kuriyama[1], Manami Hirata[1], Mika Kawashima[1], Yukio Kurihara[1], Haruyo Yamaguchi[2], Shigekatsu Suzuki[2], Tsuyoshi Watanabe[3], Kazutoshi Yoshitake[4], Keiji Fushimi[5], Rei Narikawa[5], Masanobu Kawachi[2], Takashi Gojobori[7], Minami Matsui[1] ([1]CSRS, RIKEN, [2]NIES, [3]FRA, TNFRI, [4]Tokyo Univ, [5]Shizuoka Univ, [6]Kyusyu Univ, [7]Waseda Univ, [8]FRA, NRIA)		2pE07 Phycobilisome-CpcL-Photosystem I Supercomplex Under Nitrogen Starvation Condition Mai Watanabe[1,2], Masahiko Ikeuchi[2], Annegret Wilde[1] ([1]Inst. for Biol. III, A-L-Univ. Freiburg, [2]Dept. of Life Sci. (Biol.), Univ. of Tokyo)	2pF07 Florigen in cactus Natsuki Hasegawa[1], Keisuke Tanaka[2], Hirokazu Takahashi[3], Tomoaki Nishiyama[4], Yuki Sakamoto[5], Dario Copeti[6], Hisato Kobayashi[2,7], Mikio Nakazono[3], Kentaro K. Shimizu[1,6], Sachihiro Matsunaga[8], Hiroyuki Tsuji[1] ([1]Kihara Institute for Biological Research, Yokohama City University, [2]NODAI Genome Research Center, Tokyo University of Agriculture, [3]Graduate School of Bioagricultural Sciences, Nagoya University, [4]Advanced Science Research Center, Kanazawa University, [5]Imaging Frontier Center, Research Institute for Science and Technology, Tokyo University of Science, [6]Department of Evolutionary Biology and Environmental Studies, University of Zurich, [7]Nara Medical University, [8]Department of Applied Biological Science, Faculty of Science and Technology, Tokyo University of Science)		2pH07 E The high-affinity potassium transporter AtHAK5 undergoes degradation upon high K^+ supply Marcel P. Beier[1], Kehan Su[1], Daichi Nagata[2], Junpei Takano[1] ([1]Grad. Sch. Life Env. Sci., Osaka Pref. Univ., [2]Grad. Sch. Agri., Hokkaido Univ.)
15:15			2pC08 Functional complementation analysis of *Arabidopsis* mutants with novel *PHY-CRY* gene from green algae Manami Hirata[1,2], Yuko Makita[1], Setsuko Shimada[1], Aya Suehisa[1], Tomoko Kuriyama[1], Mika Kawashima[1], Haruyo Yamaguchi[3], Shigekatsu Suzuki[3], Masanobu Kawachi[3], Masaaki Sakuta[2], Minami Matsui[1] ([1]CSRS., Riken, [2]Bio., Univ. Ochanomizu, [3]NIES)		2pE08 Characterization of New type of chromatic acclimation regulating phycoerythrocyanin and rod-shaped phycobilisome in cyanobacteria Yuu Hirose[1], Song Chihong[2], Mai Watanabe[3], Chinatsu Yonekawa[1], Kazuyoshi Murata[2], Masahiko Ikeuchi[3], Toshihiko Eki[1] ([1]Toyohashi Unv. of Tech., [2]National Institute of Physiological Sciences, [3]The University of Tokyo)	2pF08 Imaging and functional analysis of cytokinin signaling of the shoot apical meristem in rice on flowering Moeko Sato[1], Hidemi Kitano[2], Hiroyuki Tsuji[1] ([1]Kihara Institute for Biological Research, Yokohama City University, [2]Biosci. Biotec. Ctr., Nagoya University)		
15:30			2pC09 Creation of blue-light-responsive CheA by fusion of two different-class histidine kinases Yusuke Fukuhara, Mamiko Shimoji, Masahiro Kasahara, Kazuki Terauchi, Chihiro Azai (Grad. Sch. Life Sci., Univ. Ritsumei)		2pE09 Excitation relaxation dynamics of carotenoids having antenna function Kohei Kagatani[1], Ryo Nagao[2], Jian-Ren Shen[2], Reona Toyofuku[3], Tatsuya Tomo[3], Seiji Akimoto[1] ([1]Grad. Sch. Sci., Kobe Univ., [2]RIIS, Okayama Univ., [3]Fac. Sci., Tokyo Univ. Sci.)	2pF09 *SbPRR37* is involved in low night temperature induced flowering in *Sorghum bicolor* Shumpei Hashimoto, Takahiro Tezuka, Shuji Yokoi (Grad. Sch. Life Environ. Sci., Osaka Pref. Univ.)		

Room I	Room J	Room K	Room L	Room M	Room N	Room O	Time
Organelles/Cytoskeleton	Vegetative growth	Plant-organism interaction A, B		Environmental responses C			
2pI06 Toward Understanding How the Number of Mitochondria is Regulated by Autophagy during Spermiogenesis in Marchantia polymorpha Takuya Norizuki[1,2], Naoki Minamino[2], Takehiko Kanazawa[2,3], Takashi Ueda[2,3] ([1]Grad. Sch. Sci., Univ. Tokyo, [2]Natl. Inst. Basic Biol, [3]Dept. Basic Biol., SOKENDAI)	2pJ06 Live-cell imaging of early embryogenesis in Arabidopsis Minako Ueda[1], Yusuke Kimata[1], Sayuri Tanaka[1], Takehide Kato[2], Takumi Higaki[3], Daisuke Kurihara[1], Tomomi Yamada[1], Naoe Ando[1], Miyo T. Morita[4], Shoji Segami[1], Masayoshi Maeshima[1], Seiichiro Hasezawa[5], Keiko Kuwata[1], Ayato Sato[1], Takamasa Suzuki[6], Tetsuya Higashiyama[1], Masao Tasaka[2] ([1]Nagoya University, [2]Nara Institute of Science and Technology, [3]Kumamoto University, [4]National Institute for Basic Biology, [5]The University of Tokyo, [6]Chubu University)	2pK06 Leaf ER bodies are involved in defense against herbivory in *Arabidopsis thaliana* Akiko Nakazaki[1], Kenji Yamada[2], Tadashi Kunieda[3], Ryosuke Sugiyama[4], Masami Yokota Hirai[4], Kentaro Tamura[5], Ikuko Hara-Nishimura[6], Tomoo Shimada[1] ([1]Grad. Sch. of Sci., Univ. Kyoto, [2]Malopolska Center of Biotechnology, Univ. Jagiellonian, [3]Div. of Biol. Sci., NAIST, [4]RIKEN CSRS, [5]Sch. Food & Nutritional Sci., Univ. Shizuoka, [6]Fac. of Sci. and Eng., Konan Univ.)		2pM06 Diel Oxygen Concentration And Gene Expression Dynamics In Submerged Deepwater Rice Yoshinao Mori[1], Timothy Colmer[2], Motoyuki Ashikari[1], Ole Pedersen[2,3], Keisuke Nagai[1] ([1]Bioscience and Biotechnology Center, Nagoya University, [2]UWA School of Agriculture and Environment, Faculty of Science, The University of Western Australia, [3]Department of Biology, University of Copenhagen)			14:45
2pI07 Cooperative contribution of autophagy and a chloroplast-associated ubiquitination to oxidative damage management and starvation response Yuta Kikuchi[1], Sakuya Nakamura[1], Jesse Woodson[2], Hiroyuki Ishida[3], Jun Hidema[1], Paul Jarvis[4], Masanori Izumi[1,5,6] ([1]Grad. Sch. Life Sci., Tohoku Univ., [2]Sch. Plant Sci., Univ. Arizona, [3]Grad. Sch. Agri. Sci., Tohoku Univ., [4]Dep. Plant Sci., Univ. Oxford, [5]FRIS, Tohoku Univ., [6]PRESTO, JST)	2pJ07 A regulatory cascade involving miR319 and TCP transcription factors operates in leaf development Tomotsugu Koyama[1], Nobutaka Mitsuda[2], Motoaki Seki[3], Koji Takahashi[4,5], Toshinori Kinoshita[4,5], Masaru Ohme-Takagi[6] ([1]Suntory Foundation for Life Sicences, [2]Bioproduction Res. Inst., AIST, [3]Center for Sustainable Resource Science, RIKEN, [4]Grad. Sch. Sci., Nagoya Univ., [5]ITbM, Nagoya Univ., [6]Grad. Sch. Sci., Saitama Univ.)	2pK07 E Single molecule signaling analysis; Ca2+-dependent protein kinase recognizes the suppressor signals of Phytophthora infestans to control hypersensitive cell death in plant cell Naotaka Furuichi[1], Masahiro Ohta[2] ([1]Advisory Board, AAAS., [2]Grad. Sci. and Tech, Niigata U.)		2pM07 Effects of oxidized glutathione feeding on seedling growth of *Picea jezoensis*, *Picea glehnii* and *Abies jezoensis* under two light conditions. Ken'ichi Ogawa (Res. Inst. Biol. Sci., Okayama (RIBS OKAYAMA))			15:00
2pI08 Plant autophagy eliminates dysfunctional mitochondria caused by ultraviolet B damage Sakuya Nakamura[1], Jun Hidema[1], Kohei Otomo[2], Tomomi Nemoto[2], Hiroyuki Ishida[3], Masanori Izumi[1,4,5] ([1]Grad. Sch. Life Sci., Tohoku Univ., [2]RIES, Hokkaido Univ., [3]Grad. Sch. Agri. Sci., Tohoku Univ., [4]FRIS, Tohoku Univ., [5]PRESTO, JST)	2pJ08 Comparative analysis of pitcher and flat leaf development in the carnivorous plant *Cephalotus follicularis* Hideki Narukawa[1], Gergo Palfalvi[1,2], Mitsuyasu Hasebe[1,2] ([1]NIBB, [2]SOKENDAI)	2pK08 E Investigating the role of Cyclic Nucleotide Gated Ion Channel 2 in auxin-induced Ca2+ signaling Sonhita Chakraborty[1], Masatsugu Toyota[2], Wolfgang Moeder[1], Simon Gilroy[3], Keiko Yoshioka[1] ([1]University of Toronto, Department of Cells and Systems Biology, Toronto, Canada, [2]Saitama University, Graduate School of Science and Engineering, Saitama, Japan, [3]University of Wisconsin, Department of Botany, Madison, United States)		2pM08 Functional analyses of *SPX* genes under phosphorus starvation in *Nannochloropsis* Kumiko Okazaki[1], Koichi Hori[2], Shinsuke Shimizu[2], Shohei Sawa[1], Seiji Nomura[3], Fumihiko Saito[3], Akihide Takami[3], Takashi Yamamoto[1], Hiroyuki Ohta[2], Atsushi Sakamoto[1] ([1]Grad. Sch. Sci., Hiroshima Univ., [2]Sch. Life Sci. Tech., Tokyo Inst. Tech., [3]Tech. Res. Ctr., Mazda Motor Co., Ltd.)			15:15
2pI09 The BPP family is involved in morphogenesis of leaf epidermal cells. Takehide Kato[1], Jeh Haur Wong[1], Rie Shimizu[1], Nene Kinoshita[1], Takumi Higaki[2], Takashi Hashimoto[1] ([1]Div. of Biol. Sci., Grad. Sch. of Sci. and Tech., NAIST, [2]IROAST, Univ. Kumamoto)	2pJ09 Analysis Of The Rice Mutant That Shows Aberrant Polarity In The Fourth Leaf Takumi Tezuka[1], Toshiki Kobayashi[1], Tomokazu Watanabe[1], Rie Satoh[2], Hiroetsu Wabiko[1], Nobuhiro Nagasawa[1], Namiko Satoh-Nagasawa[1] ([1]Akita Pref. Univ., [2]Grad. Sch. Biores. Sci. Akita Pref. Univ.)			2pM09 Development of high-throughput RNA-Seq library preparation method and its application to analysis on temperature-response of Arabidopsis thaliana Mari Kamitani, Makoto Kashima, Ayumi Tezuka, Atsushi J. Nagano (Research Institute for Food and Agriculture, Ryukoku University)			15:30

E=Presentation in English

● Day 3, Fri., March 15, AM (9:00–12:00)

Time	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H	Room I
	JTPB2019	JTPB2019	Photoreceptors/Photoresponses		Photosynthesis	JTPB2019	JTPB2019		Organelles/Cytoskeleton
9:00			3aC01 RPT2 Modulation of Photosensitivity of phot1 in hypocotyl phototropism of *Arabidopsis* Taro Kimura[1], Tomoko Mayama-Tsuchida[2], Tatsuya Sakai[1] ([1]Grad. Sch. Sci. Tech., Niigata Univ., [2]RIKEN PSC)		3aE01 Exciton Quenching by Oxidized Chlorophyll$_z$ in the Adjacent Monomer in Photosystem II Dimer Yutaka Shibata[1], Ahmed Mohamed[1], Hiroshi Fukumura[1], Shigeru Ito[2], Keisuke Kawakami[3], Jian-Ren Shen[4] ([1]Grad. School of Sci. Tohoku Univ., [2]Grad. School of Sci. Nagoya Univ., [3]OCARINA, Osaka City Univ., [4]RIIS, Okayama Univ.)			3aI01 Analysis of mitochondria-chloroplast interaction Kazusato Oikawa[1], Takuto Imai[1], Yutaka Kodama[1,2], Keiji Numata[1] ([1]CSRS., RIKEN, [2]Bio. Res. Edu. Center., Univ. Utsunomiya)
9:15			3aC02 Molecular Genetic Analysis of the PIN Indepent Pathway Inducing the Phototropic Rsponses in Arabidopsis. Keita Kawaura[1], Mami Yoshioka[1], Ken Haga[2], Tatsuya Sakai[1] ([1]Grad. Sch. Sci & Tech., Niigata Univ., [2]Faculty of Fund. Eng., Nippon Inst. of Tech.)		3aE02 Establishment of energy transfer pathway in cyanobacterium during the accumulation process of chlorophyll *f* Toshiyuki Shinoda[1], Keishi Arai[2], Hiroki Tabushi[2], Seiji Akimoto[3], Tatsuya Tomo[1,2] ([1]Grad. Sch. Sci., Tokyo Univ. Sci., [2]Fac. Sci., Tokyo Univ. Sci., [3]Grad. Sch. Sci., Kobe Univ.)			3aI02 The role of ppGpp synthesis in the chloroplast biogenesis during early leaf development Kazuhiro Ito[1], Doshun Ito[2], Shinji Masuda[3], Koh Iba[1], Kensuke Kusumi[1] ([1]Dept. Biol. Fac. Sci. Kyushu Univ., [2]Dept. Life Science & Technology, Tokyo Institute of Technology, [3]Center for Biological Resources & Informatics, Tokyo Institute of Technology)
9:30			3aC03 The regulatory function of C-terminal domain of BLUS1 in the blue light signaling for stomatal opening Sakurako Hosotani[1], Shigekazu Koya[2], Ken-ichiro Shimazaki[2], Atsushi Takemiya[1] ([1]Grad. Sch. Sci. Tech. Innov., Yamaguchi Univ., [2]Grad. Sch. Sci., Kyushu Univ.)		3aE03 Role of carotenoids in the acclimation of the cyanobacterium *Synechocystis* sp. PCC 6803 to very high light Taichi Izuhara[1], Konatsu Nakazawa[2], Haruhiko Jimbo[3], Shinichi Takaichi[4], Yoshitaka Nishiyama[1,2] ([1]Grad. Sch. Sci. Eng., Saitama Univ, [2]Dept. Biochem. Mol. Biol., Saitama Univ, [3]Grad. Sch. Arts Sci., Univ. Tokyo, [4]Dept. Mol. Microbiol., Faculty of Life Science, Tokyo Univ Agriculture)			3aI03 Genetic characterization of the stringent-response factors, RSHs, in *Arabidopsis thaliana* Sumire Ono[1], Doshun Ito[1], Shinji Masuda[2] ([1]School of Life Science and Technology, Tokyo Institute of Technology, [2]Center for Biological Resources and Informatics, Tokyo Institute of Technology)
9:45			3aC04 Functional analysis of a signaling component phosphorylated in response to blue light in stomatal guard cell Shota Yamauchi[1], Naoyuki Sugiyama[2], Ken-ichiro Shimazaki[3], Atsushi Takemiya[1] ([1]Grad. Sch. Sci. Tech. Innov., Yamaguchi Univ., [2]Grad. Sch. Pharm., Kyoto Univ., [3]Grad. Sch. Sci., Kyushu Univ.)		3aE04 Defect of photosynthetic activity in the *cruC* gene mutant of the green sulfur bacterium *Chlorobaculum tepidum*, which lost the ability to synthesize carotenoid glucoside ester Jiro Harada[1], Chihiro Azai[2], Taku Inoue[2], Shogo Fujimoto[3], Shinji Masuda[4], Ken Yamamoto[1], Daisuke Kosumi[5] ([1]Department of Medical Biochemistry, Kurume University School of Medicine, [2]College of Life Sciences, Ritsumeikan University, [3]Graduate School of Science and Technology, Department of Physics, Kumamoto University, [4]Center for Biological Resources and Informatics, Tokyo Institute of Technology, [5]Institute of Pulsed Power Science, Kumamoto University)			3aI04 Analysis of the Plastid-to-nucleus Signaling in Arabidopsis Seedling De-etiolation Nobuyoshi Mochizuki, Akira Nagatani (Grad. Sch. Sci., Kyoto Unive.)
10:00			3aC05 Relationship between stomatal movement and malate synthesis in guard cells Kohei Fukatsu[1], Yuki Hayashi[1], Keiko Kuwata[2], Takamasa Suzuki[3], Toshinori Kinoshita[1,2] ([1]Grad. Sch. Sci., Nagoya Univ., [2]ITbM, Nagoya Univ., [3]Dep. Biol. Chem., Chubu Univ.)		3aE05 Crysatalization and enzymatic reactivity of ferredoxin NADP$^+$ oxidoreductase from *Rhodopseudomonas palustris* Daisuke Seo[1], Norifumi Muraki[2], Genji Kurisu[3] ([1]Graduate School of Natural Science and Technology, Kanazawa University, [2]Institute for Molecular Science, National Institute of Natural Science, [3]Institute for Protein Research, Osaka University)			3aI05 DNA virus-mediated massive gene transfer in the primary endosymbiotic evolution of a photosynthetic amoeba Mitsuhiro Matsuo[1], Atsushi Katahata[1], Makoto Minakuchi[1], Yohei Minakuchi[2], Hideki Noguchi[2], Atsushi Toyoda[2], Asao Fujiyama[2], Yutaka Suzuki[3], Soichirou Satoh[1], Takuro Nakayama[4], Ryoma Kamikawa[5], Mami Nomura[6], Yuji Inagaki[4], Ken-ichiro Ishida[6], Junichi Obokata[1] ([1]Grad. Sch. of Life and Env., Kyoto Prefect. Univ., [2]Ctr. Info. Biol., N.I.G., [3]Grad. Sch. of FronAer Sci, Univ. of Tokyo, [4]Ctr. Comp. Sci., Univ. of Tsukuba, [5]Env., Grad. Sch. of Human & Env., Kyoto Univ., [6]Grad. Sch. of Life & Env. Sci., Univ. of Tsukuba)
10:15			3aC06 Functional analysis of the PP2C-Ds that regulate stomatal movements Mitsumasa Akiyama[1], Shin-ichiro Inoue[1], Yohei Takahashi[1], Maki Hayashi[1], Hodaka Sugimoto[1], William M Gray[2], Toshinori Kinoshita[1,3] ([1]Grad. Sch. Sci., Univ. Nagoya, [2]Department of Plant Biology, University of Minnesota, [3]Nagoya University., WPI-ITbM)		3aE06 Alternative cyclic electron transfer pathways of photosynthesis found in the purple bacterium, *Rubrivivax gelatinosus* Kenji Nagashima[1], Sakiko Nagashima[1,2], Takeshi Sato[1], Kazuhito Inoue[1,3] ([1]Res. Inst. Integ. Sci., Kanagawa Univ., [2]Dept. Biol. Sci., Fac. Sci., Tokyo Metropolitan Univ., [3]Dept. Biol. Sci., Fac. Sci., Kanagawa Univ.)			3aI06 Discovery of a dynamic feature of chloroplast nucleoids in response to the light/dark cycle Seika Ishihara[1], Kohta Sakashita[1], Yusuke Ishida[1], Yoshitaka Kimori[2], Kosei Iwabuchi[1], Ikuko Hara-Nishimura[1] ([1]Fac. Sci. Eng., Konan Univ., [2]Fac. Environ. Info. Sci., Fukui Univ. Tech.)

Room J	Room K	Room L	Room M	Room N	Room O	Time
Vegetative growth	Plant-organism interaction B	Transcriptional, post-transcriptional/ Translational regulations/Protein modification & degradation	Environmental responses B			
3aJ01 Specific lipids mediate radial positional signaling in Arabidopsis Kenji Nagata[1], Toshiki Ishikawa[2], Taku Takahashi[3], Mitsutomo Abe[1] ([1]Grad. Sch. Sci., Univ. Tokyo, [2]Grad. Sch. Sci. Eng., Saitama Univ., [3]Grad. Sch. Sci., Okayama Univ.)	3aK01 Exploration of novel arbuscular mycorrhizal symbiosis signals transduced by *D14L*/*KAI2* pathway Hiromu Kameoka[1,2], Yoshihiro Kobae[3], Junko Kyozuka[4], Masayoshi Kawaguchi[5] ([1]Grad. Sch. Life & Environ. Sci., Osaka Pref. Univ., [2]JSPS Research Fellow, [3]Col. Agri. Food & Environ. Sci., Rakuno Gakuen Univ., [4]Grad. Sch. Life Sci., Tohoku Univ., [5]NIBB, Dept. Symbio. Sys.)	3aL01 E CFI 25 subunit of cleavage factor I is essential for plant development and 3'UTR polyadenylation site determination Xiaojuan Zhang[1], Naoki Takahashi[2], Masaaki Umeda[2], Marta Garcia-Leon[3], Vicente Rubio[3], Tsuyoshi Furumoto[4], Takashi Aoyama[1], Tom Tsuge[1] ([1]ICR Inst., Univ. Kyoto, [2]Grad. Sch. Sci., NAIST, [3]CNB-CSIC, Spain, [4]Faculty of Agriculture, Univ. Ryukoku)	3aM01 E Different roles of two variants of a half-size ABC transporter in Al accumulation and detoxification of buckwheat Gui Jie Lei, Kengo Yokosho, Naoki Yamaji, Miho Fujii-Kashino, Jian Feng Ma (Institute of Plant Science and Resources, Okayama University)			9:00
3aJ02 Transomics approach to the AN3 function related to the regulation of primary metabolism in *Arabidopsis thaliana* Mamoru Nozaki[1], Kensuke Kawade[1,2,3,4], Gorou Horiguchi[5], Shuji Shigenobu[2,4], Katsushi Yamaguchi[2], Yuji Sawada[4], Masami Yokota Hirai[4], Hirokazu Tsukaya[1,6] ([1]ExCELLs, [2]NIBB, [3]SOKENDAI, [4]RIKEN CSRS, [5]Res. Cent. Life Sci., Rikkyo Univ., [6]Grad. Sch. Sci., Univ. Tokyo)	3aK02 Evidence of non-tandemly repeated rDNAs and their intragenomic heterogeneity in Rhizophagus irregularis Taro Maeda[1], Yuuki Kobayashi[1], Hiromu Kameoka[2], Nao Okuma[1,2], Naoya Takeda[4], Katsushi Yamaguchi[1], Takahiro Bino[1], Shuji Shigenobu[1,3], Masayoshi Kawaguchi[1,3] ([1]National Institute for Basic Biology, [2]Osaka Prefecture University, [3]the Graduate University for Advanced Studies, [4]Kwansei Gakuin University)	3aL02 E Understanding CSN-mediated regulation through its interaction with RNA processing factors Tom Tsuge[1], Xiaojuan Zhang[1], Mika Nomoto[2], Marta Garcia-Leon[3], Naoki Takahashi[4], Mariko Kato[1], Masaaki Umeda[4], Vicente Rubio[3], Yasuomi Tada[2], Tsuyoshi Furumoto[5], Takashi Aoyama[1] ([1]ICR, Kyoto Univ., [2]CGR, Nagoya Univ., [3]CNB, CSIC, [4]Grad. Sch. Sci. Tech., NAIST, [5]Grad. Sch. Agr., Ryukoku Univ.)	3aM02 Single-population GWAS of *AtMATE* expression level in *Arabidopsis thaliana* accessions Yuki Nakano[1], Kazutaka Kusunoki[1], Haruka Maruyama[2], Hiroyuki Koyama[1,2], Yuriko Kobayashi[1,2] ([1]Uni. Grad. Sch. of Agr. Sci, Univ. Gifu, [2]Appl. Biol. Sci., Univ. Gifu)			9:15
3aJ03 Roles of an Arabidopsis PtdIns(3)P-binding Protein AtFYVE2 in Autophagy and Leaf Senescence Yuki Fujiki[1,2], Mariko Okabe[1], Youngsook Lee[3], Ikuo Nishida[1,2] ([1]Fac. Sci., Saitama Univ., [2]Grad. Sch. Sci. & Eng., Saitama Univ, [3]Dept. Life Sci., POSTECH.)	3aK03 E Molecular trafficking pathways associated with the interaction between parasitic plant and host plant Koh Aoki, Kohki Shimizu, Rika Takada, Yusuke Takagaki (Grad. Sch. Life Environ. Sci., Osaka Pref. Uni.)	3aL03 Elucidation of translational change of non-protein-coding ORFs upon light exposure from darkness in Arabidopsis. Yukio Kurihara[1], Yuko Makita[1], Haruka Shimohira[1], Tomoya Fujita[2,3], Shintaro Iwasaki[2], Minami Matsui[1] ([1]Synthetic Genomics Research Group, RIKEN Center for Sustainable Resource Science, [2]RNA Systems Biochemistry Laboratory, RIKEN, [3]Cell Biology Center, Institute of Innovative Research, Tokyo Institute of Technology)	3aM03 Physiological roles of AtPCS1 in toxic metal tolerance of root apical meristem Shimpei Uraguchi[1], Yuka Sone[1], Yuto Ohtsuka[1], Ayaka Ohmori[1], Arunee Wongkaew[2], Naoko Ohkama-Ohtsu[2], Ryosuke Nakamura[1], Yasukazu Takanezawa[1], Stephan Clemens[3], Masako Kiyono[1] ([1]Sch. Pharm., Kitasato Univ., [2]Inst. Agri., Tokyo Univ. Agri. Tech., [3]Univ. Bayreuth)			9:30
3aJ04 Relationship Among Four NAC Transcription Factor Genes *SZK1*, *3*, *4* And *SRIW1* And Their Roles In Leaf Abaxialization In *as2 rpl4d* Gorou Horiguchi[1,2], Shugo Maekawa[1], Iwai Ohbayashi[3], Munetaka Sugiyama[4], Hirokazu Tsukaya[5,6] ([1]Dept. Life Sci., Coll. Sci., Rikkyo Univ., [2]Res. Cent. Life Sci., Coll. Sci., Rikkyo Univ., [3]HIST, Fujian Agricult. Forest. Univ., [4]Bot. Gard., Grad. Sch. Sci., Univ. Tokyo, [5]Grad. Sch. Sci., Univ. Tokyo, [6]ExCELLS, NINS)	3aK04 Translation of mobile *GUS-tRNAmet* mRNA from host into the shoot of a stem parasitic plant, *Cuscuta campestris* Kohki Shimizu, Koh Aoki (Grad. Sch. Life and Environ. Sci., Osaka Pref. Univ.)	3aL04 Identification of Arabidopsis CCR4-NOT complexes with variable combinations of deadenylase subunits Toshihiro Arae[1], Riko Imahori[2], Yuya Suzuki[1], Yukako Chiba[1,3] ([1]Grad. Schl. Life Sci., Hokkaido Univ., [2]Schl. Life Sci., Hokkaido Univ., [3]Fac. Sci., Hokkaido Univ.)	3aM04 E Glutathione and its biosynthesis intermediates alleviate cesium stress in *Arabidopsis thaliana* Eri Adams, Takae Miyazaki, Shunsuke Watanabe, Mitsunori Seo, Ryoung Shin (RIKEN Center for Sustainable Resource Science)			9:45
3aJ05 Functional analyses of the ribosomal protein RPL12B and the RING-type ubiquitin ligase SZK2 in ribosome stress signaling Shugo Maekawa[1], Kanae Fukada[1], Masahiro Takahara[1], Hirokazu Tsukaya[2,3], Gorou Horiguchi[1,4] ([1]Department of Life Science, College of Science, Rikkyo University, [2]Graduate School of Science, The University of Tokyo, [3]Exploratory Research Center on Life and Living Systems, NINS, [4]Research Center for Life Science, College of Science, Rikkyo University)	3aK05 Expression of cell division- and vascular development- related genes of host plant are transiently up-regulated in the parasitic interface with a stem parasitic plant, *Cuscuta campestris* Shota Yamamoto, Koh Aoki (Grad. Sch. Life and Env. Sci., Osaka Pref. Univ.)	3aL05 Fine-tuning of qE quenching by microRNA in *Chlamydomonas reinhardtii* Tomohito Yamasaki[1], Ryutaro Tokutsu[2], Jun Minagawa[2] ([1]Sci and Tech., Kochi univ., [2]Photobiol., NIBB)	3aM05 The suppression mechanism of stomatal development under submerged condition in Rorippa aquatica Tatsushi Umase, Shuka Ikematsu, Fuko Noguchi, Tomoaki Sakamoto, Seisuke Kimura (Kyoto-sangyo Univ.)			10:00
3aJ06 Mathematical and morphological analysis of "monospirostichy", a special kind of spiral phyllotaxis unique to Costaceae plants Takaaki Yonekura, Munetaka Sugiyama (Botanical Gardens, Grad. Sch. Sci., Univ. Tokyo)	3aK06 Epidermal cells patterning-related genes are involved in the holdfast formation of a stem parasitic plant, *Cuscuta campestris* Daiki Fujiwara, Koh Aoki (Grad. Sch. Life Env. Sci., Osaka Pref. Univ.)	3aL06 miR319-Mp*RKD* Regulation Is Involved in the Asexual Reproduction Organ Formation in *Marchantia polymorpha* Kazutaka Futagami[1], Masayuki Tsuzuki[2], Takahiro Hamada[1,3], Yuichiro Watanabe[1] ([1]Grad. Sch. Arts and Sci., Univ. Tokyo, [2]Dept. Mol. Cel. Dev. Biol., Univ. Michigan, [3]JST, PRESTO)	3aM06 Possible involvement of *trans-acting siRNA3* in response to low nitrogen in *Arabidopsis* Sho Nishida[1], Makiha Fukuda[2,3], Yusuke Kakei[4,5], Yukihisa Shimada[4], Toru Fujiwara[3] ([1]Grad. Sch. Biosphere Sci., Hiroshima Univ., [2]Fac. Sci. Technol., Tokyo Univ. Sci., [3]Grad. Sch. Agri. Life Sci., Univ. Tokyo, [4]Kihara Inst. Biol. Res., Yokohama City Univ., [5]Inst. Veg. Flor. Sci., NARO)			10:15

E=Presentation in English

● Day 3, Fri., March 15, AM (9:00–12:00)

Time	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H	Room I
	JTPB2019	JTPB2019	Photoreceptors/Photoresponses		Photosynthesis	JTPB2019	JTPB2019		Organelles/Cytoskeleton
10:30			3aC07 Functional characterization of protein kinases that interact with blue light-receptor phototropins in Arabidopsis stomatal opening Shin-ichiro Inoue[1], Yohei Takahashi[1], Maki Hayashi[1], Masaki Okumura[1], Tatsuya Sawasaki[2], B. Michael Palmgren[3], Toshinori Kinoshita[4] ([1]Grad. Sch. Sci., Nagoya Univ., [2]Proteo-Science Center, Ehime Univ., [3]Dept. Plant. Environ. Sci. Univ. Copenhagen, [4]ITbM., Nagoya Univ.)		3aE07 Transcription patterns of photosynthesis-related genes in the green filamentous bacterium *Chloroflexus aurantiacus* under ANaerobic Light, Aerobic Light, and Aerobic Dark conditions Kazaha Izaki, Shin Haruta (Grad. Sch. Sci., Univ. Tokyo Metropolitan)				3aI07 Digalactosyldiacylglycerol is required for rapid formation of thylakoid membrane during etioplast-chloroplast differentiation in Arabidopsis Sho Fujii[1], Noriko Nagata[2], Tatsuru Masuda[1], Hajime Wada[1], Koichi Kobayashi[3] ([1]Grad. Sch. Arts Sci., Univ. Tokyo, [2]Fac. Sci., Japan Women's Univ., [3]Fac. Arts Sci., Osaka Pref. Univ.)
10:45			3aC08 Cytosolic phototropin can not induce the chloroplast avoidance and cold-avoidance responses. Kotoko Sasaki, Yasuhide Osaki, Yutaka Kodama (Center for Bioscience Research and Education, Utsunomiya University)		3aE08 Genetically and morphologically distinct two heterocystous cyanobacteria analyzed by Raman scattering microscopy Kouto Tamamizu, Shigeichi Kumazaki (Grad. Sch. Sci., Univ. Kyoto)				3aI08 Isolation and characterization of Arabidopsis mutants with reduced chlorophyll fluorescence in guard cells Boseok Song, Sho Yamagaki, Koh Iba, Juntaro Negi (Dept. Biol., Fac. Sci., Kyushu Univ.)
11:00			3aC09 Chloroplast outer membrane-localized phototropin induces the chloroplast avoidance response Eiji Gotoh[1], Kazuhiro Ishishita[1], Takeshi Higa[2], Shin-ichiro Inoue[3], Noriyuki Suetsugu[4], Masamitsu Wada[5] ([1]Fac. Agr., Kyushu Univ, [2]Inst. Protein Res., Osaka Univ, [3]Grad. Sch. Sci., Nagoya Univ, [4]Grad. Sch. Bio., Kyoto Univ, [5]Grad. Sch. Sci and Eng., Tokyo Metro Univ)		3aE09 Trials to enhance nitrogenase activity of a transformant carrying the *nif* gene cluster in the non-diazotrophic cyanobacterium *Synechocystis* sp. PCC 6803 Konomi Yokomizo, Hiroya Kotani, Ryoma Tsujimoto, Haruki Yamamoto, Yuichi Fujita (Grad. Sch. Bioagricultual. Sci., Univ. Nagoya)				3aI09 High-throughput screening of algal mutant cells based on CO_2-dependent protein relocation by intelligent image-activated cell sorting Takashi Yamano[1], Chihana Toyokawa[1], Toshiki Matsuoka[1], Nao Nitta[2,3], Takeaki Sugimura[2,3], Akihiro Isozaki[2], Takanori Iino[2], Takuro Ito[2,3], Keisuke Goda[2,3], Hideya Fukuzawa[1] ([1]Graduate School of Biostudies, Kyoto University, [2]School of Science, The University of Tokyo, [3]JST)
11:15			3aC10 Phosphoproteomic analysis of SnRK2 downstream factors responsible for red-light responses in the moss Physcomitrella patens Kazuki Udagawa[1], Shoko Kageyama[1], Ryoko Otake[1], Akihisa Shinozawa[1], Taishi Umezawa[2], Takumi Tomoi[3,4], Tomomichi Fujita[5], Andrew C. Cuming[6], Izumi Yotsui[1], Teruaki Taji[1], Yoichi Sakata[1] ([1]Dept. Bioscience, Tokyo Univ. Agric., [2]Grad.Sch. Bio-Applications and Systems Engneering, Tokyo Univ. Agric.and Tech., [3]Grad.Sch.of Life Sci., Hokkaido Univ, [4]OIIB, [5]Fac. Sci., Hokkaido Univ, [6]University of Leeds, UK)		3aE10 Elucidation of the ammonium toxicity in PII-less mutant and the mechanisms of ammonium tolerance involving PII protein in cyanobacteria Takayuki Sakamoto[1], Yajun Chang[1], Nobuyuki Takatani[1], Kazuma Uesaka[1,2], Kunio Ihara[2], Tatsuo Omata[1] ([1]Grad. Sch. Bioagr. Sci., Nagoya Univ., [2]Ctr. Gene Res., Nagoya Univ.)				3aI10 Characterization of phosphoproteins in thylakoid membranes using Phos-tag Keiji Nishioka[1], Yusuke Kato[1], Shin-ichiro Ozawa[2], Yuichiro Takahashi[2], Wataru Sakamoto[1] ([1]Inst. Plant Sci. Res., Okayama Univ., [2]Res. Inst. Interdisciplinary Sci., Okayama Univ.)
11:30			3aC11 Phosphorylation of Rice CPD Photolyase and Its Transport to the Chloroplast Mika Teranishi, Chiharu Komatsu, Mamoru Hara, Hiroko Yamaguchi, Jun Hidema (Grad. Sch. Life Sci., Tohoku Univ.)		3aE11 Study of Glycolate Metabolism in Photorespiration of *Synechocystis* sp. PCC 6803 Kotaro Kobayashi[1], Stefan Timm[2], Martin Hagemann[2], Iwane Suzuki[3] ([1]Grad. Sch. Life Env. Sci., Univ. Tsukuba, [2]Dept. Plant Physiol., Univ. Rostock, [3]Fac. Life Environ. Sci., Univ. Tsukuba)				3aI11 The Role of Phosphorylation of Chloroplast Ca^{2+} Binding Protein CAS in Light-Dependent Stomatal Opening Yuna Uemura, Yuki Kirishima, Masaki Mizuno, Yoko Ishizaki, Takashi Shiina (Grad. Life and Env. Sci., Kyoto Pref. Univ.)
11:45			3aC12 E African Rice Species (*O. glaberrima*, *O. barthii* and *O. sativa*) Exhibit Hypersensitivity to UVB Radiation Caused by Lower Specific Activity and Amount of CPD Photolyase. Gideon Mmbando, Mika Teranishi, Jun Hidema (Tohoku University, Graduate School of Life Sciences)		3aE12 Establishment of energy transfer pathway in photosystem I complex during the accumulation process of chlorophyll *f* Toshiyuki Shinoda[1], Keishi Arai[2], Seiji Akimoto[3], Tatsuya Tomo[1,2] ([1]Grad. Sch. Sci., Tokyo Univ. Sci., [2]Fac. Sci., Tokyo Univ. Sci., [3]Grad. Sch. Sci., Kobe Univ.)				3aI12 Structure-function analysis of the cargo transporter KCBP kinesin in P. patens Mari Yoshida, Moe Yamada, Gohta Goshima (Grad. Sch. Sci., Nagoya Univ)

Room J	Room K	Room L	Room M	Room N	Room O	Time
Vegetative growth	Plant-organism interaction B	Transcriptional, post-transcriptional/ Translational regulations/Protein modification & degradation	Environmental responses B			
3aJ07 Quantitative 3D observation of cells in twisting Arabidopsis petiole Yuta Otsuka[1], Hirokazu Tsukaya[1,2] ([1]Grad. Sch. Sci., Univ. Tokyo, [2]ExCELLS, NINS)	3aK07 Identification of resistance genes in tomato introgression lines that show post-germination resistance to a root parasitic plant, *Phelipanche aegyptiaca* Junna Saito, Koh Aoki (Grad. Sch. Life and Env. Sci., Osaka Pref Univ.)	3aL07 Biochemical characterization of microRNA precursor processing by Dicer-Like1 in Arabidopsis Rikako Hirata[1], Tomoya Makabe[1], Kei-ichiro Mishiba[1], Nozomu Koizumi[1], Hamdan Samir M.[2], Yuji Iwata[1] ([1]Grad. Life. Environ. Sci., Univ. Osaka Pref., [2]King abdullah Univ. Sci. Tech.)	3aM07 Ion profiles of acid-tolerant plant species distributed in solfatara fields. Jun Wasaki[1], Akihiro Yamamoto[1], Takato Saito[1], Hiromi Tsubota[2], Toshihiro Watanabe[3], Takayuki Nakatsubo[1] ([1]Grad. Sch. Biosphere Sci., Hiroshima Univ., [2]Grad. Sch. Sci., Hiroshima Univ., [3]Res. Fac. Agr., Hokkaido Univ.)			10:30
3aJ08 E Arabidopsis zinc-finger-like protein ASYMMETRIC LEAVES2 (AS2) bound exon 1 of ETTIN (ARF3) and maintain gene body DNA methylation in ETTIN together with nucleolar proteins Simon Vial-Pradel[1], Mika Nomoto[2,4], Hiro Takahashi[3], Sayuri Ando[1], Masataka Suzuki[1], Shoko Kojima[1], Yasuomi Tada[2,4], Yasunori Machida[2], Chiyoko Machida[1] ([1]Graduate School of Bioscience and Biotechnology, Chubu University, [2]Graduate School of Science, Nagoya University, [3]Graduate School of Medical Sciences, Kanazawa University, [4]Center for Gene Research, Nagoya University)	3aK08 E Implication of mobile small RNAs for common functions in different host-parasitic plant complexes Subhankar Bera[1], Kohki Shimizu[1], Keisuke Tanaka[2], Shunsuke Yajima[2], Katsushi Yamaguchi[3], Shigenobu Shuji[3], Koh Aoki[1] ([1]Osaka Prefecture University, Osaka, Japan, [2]NODAI Genome Research Center, Tokyo University of Agriculture, Japan, [3]National Institute for Basic Biology, Japan)	3aL08 E Genome wide analysis of nutrient-dependent translational regulation Naoyuki Sotta[1], Yukako Chiba[2], Hirofumi Fukuda[1], Mayuki Tanaka[1], Seidai Takamatsu[2], Yui Yamashita[2], Kyoko Miwa[2], Masami Yokota Hirai[3], Satoshi Naito[2], Toru Fujiwara[1] ([1]Univ Tokyo, [2]Hokkaido Univ, [3]RIKEN)	3aM08 E Chemical screening identified that lipid signaling pathways regulate early aluminum-inducible malate secretion in Arabidopsis Liujie Wu[1], Ayan Sadhukhan[1], Yuriko Kobayashi[1], Naohisa Ogo[2], Mutsutomo Tokizawa[1], Raj Kishan Agrahari[1], Hiroki Ito[1], Akira Asai[2], Hiroyuki Koyama[1] ([1]Applied Biological Sciences, Gifu University, Gifu 501-1193, Japan., [2]Graduate Division of Pharmaceutical Sciences, University of Shizuoka, Shizuoka 422-8526, Japan.)			10:45
3aJ09 Roles of nucleolar proteins for nuclear localization of zinc-finger-like protein ASYMMETRIC LEAVES2 (AS2) in leaf development of Arabidopsis thaliana Sayuri Ando[1], Takumi Ogawa[2], Shuichiro Goto[2], Shoko Kojima[1], Yuki Sakamoto[3], Sachihiro Matsunaga[3], Yasunori Machida[4], Chiyoko Machida[1] ([1]Grad. Sch. Biosci. Biotech., Chubu Univ, [2]Sch. Biosci. Biotech., Chubu Univ, [3]Bio Sci., Tokyo Univ of Sci, [4]Grad. Sch. Sci., Nagoya Univ)	3aK09 Natural variations of interactions with a root-colonizing endophytic fungus and indole glucosinolates in *Arabidopsis thaliana* Shion Yamaguchi[1], Shigetaka Yasuda[1], Hong Ye[1], Midori Tanaka[1], Mutsumi Watanabe[1], Takayuki Tohge[1], Kei Hiruma[1,2], Yusuke Saijo[1] ([1]Grad. Sch. Sci. Tech., NAIST, [2]JST, PRESTO)	3aL09 Translation Complexes Containing a uORF-Encoded Nascent Peptide Sense Cellular Magnesium Concentration to Regulate Translation. Noriya Hayashi[1], Shun Sasaki[1], Yuta Hiragori[2], Feng Zhihang[3], Toru Fujiwara[3], Hiro Takahashi[4], Yui Yamashita[1], Satoshi Naito[1,5], Hitoshi Onouchi[1] ([1]Grad. Sch. Agr., Hokkaido Univ., [2]Sch. Agr., Hokkaido Univ., [3]Grad. Sch. Agr. Sci., Univ. Tokyo, [4]Grad. Sch. Medical Sci. Kanazawa Univ., [5]Grad. Sch. Life Sci., Hokkaido Univ.)	3aM09 Functional characterization of OsBBPIs, a putative ART1-interactive protein in rice Kengo Yokosho, Zhi Chang Chen, Naoki Yamaji, Jian Feng Ma (Institute of Plant Science and Resources, Okayama University)			11:00
3aJ10 The ASYMMETRIC LEAVES2 is involved in leaf development through the repression of AtIPT3 transcription. Shoko Kojima[1], Tamami Nishimoto[1], Kana Koda[1], Nanako Ishibashi[2], Mikiko Kojima[4], Hiro Takahashi[5], Hitoshi Sakakibara[3], Yasunori Machida[2], Chiyoko Machida[1] ([1]Grad. Sch. Biosci. Biotech., Chubu Univ., [2]Grad. Sch. Sci., Nagoya Univ., [3]Grad. Sch. of Bioagr., Nagoya Univ, [4]CSRS, RIKEN, [5]Grad. Sch. Pharm. Pharm. Sci., Kanazawa Univ)	3aK10 Functional analyses for effector candidates of plant growth-promoting endophytic fungi and their suppression by the host tryptophan-derived metabolites in *Arabidopsis thaliana* Shigetaka Yasuda[1], Kei Hiruma[1,2], Kazuki Tsurukawa[1], Kazuhiko Semba[3], Mutsumi Watanabe[1], Keisuke Tanaka[4], Teruaki Taji[5], Takayuki Tohge[1], Yoshiaki Nakao[3], Yusuke Saijo[1] ([1]Grad. Sch. Sci. Tech., NAIST, [2]JST PRESTO, [3]Grad. Sch. Eng., Kyoto Univ., [4]NODAI Genome Research Center, Tokyo Univ. Agric., [5]Dept. Biosci., Tokyo Univ. Agric.)	3aL10 Biochemical Evidence for the Involvement of the Ribosomal Exit Tunnel in the Nascent Peptide-Mediated Ribosome Stalling Systems Seidai Takamatsu[1], Yubun Ohashi[2], Noriyuki Onoue[1], Hitoshi Onouchi[2], Yui Yamashita[2], Satoshi Naito[1,2] ([1]Grad. Schl. Life Sci., Hokkaido Univ., [2]Grad. Schl. Agr., Hokkaido Univ.)	3aM10 Environmental stress responses in the mutants of RNA binding protein, APUM5 and deadenylases in *Arabidopsis* Kotone Morita[1], Toshihiro Arae[1], Yuya Suzuki[1], Yukako Chiba[1,2] ([1]Grad. Schl. Life Sci., Hokkaido Univ., [2]Fac. Sci., Hokkaido Univ.)			11:15
3aJ11 Subcellular localization and interaction of pathogenicity factor βC1 of leaf curl viruses with the host receptor, *ASYMMETRIC LEAVES1 (AS1)* Takanori Suzuki[1,2], Norifusa Matsuo[1], Masato Omatsu[1], Mika Tanaka[1], Michiko Sasabe[3], Chiyoko Machida[4], Yasunori Machida[2] ([1]Cent. Res. Inst., Ishihara Sangyo Kaisha, Ltd., [2]Grad. Sch. Sci., Nagoya Univ., [3]Fac. Agric. Life Sci., Hirosaki Univ., [4]Grad. Sch. Biosci. Biotechnol., Chubu Univ.)	3aK11 RSS interacts with NO, ROS, H_2S and is involved in the root nodule symbiosis Mitsutaka Fukudome[1], Hazuki Shimada[2], Nahoko Uchi[1], Ken-ichi Osuki[1], Toshiki Uchiumi[1] ([1]Grad. Sch. Sci., Kagoshima Univ., [2]Fac. Sci., Kagoshima Univ)		3aM11 Evaluation of aluminum (Al^{3+}) tolerance in a worldwide collection of the genus *Vigna* Akiko Baba-Kasai, Kaoru Ebana, Norihiko Tomooka (Genetic Resources Center of NARO)			11:30
3aJ12 Plastid signaling is involved in rice endosperm development. Hirokazu Katoh[1], Mao Fukai[1], Shu Anami[1], Yutaka Sato[2], Sae Shimizu-Sato[2], Hidemi Kitano[1], Yuko Kobayashi[3], Issei Kobayashi[3], Shin Takeda[1], Tsukaho Hattori[1] ([1]Nagoya Univ. BBC., [2]NIG. Plant Genetics, [3]Mie Univ. ASRPC.)	3aK12 Development of thrips repellents and plant secondary metabolites, involved in thrips avoidance. Hiroshi Abe[1], Tamito Sakurai[2], Shigemi Seo[2], Yuji Sawada[3], Masami Yokota Hirai[3], Takeshi Ohya[4], Shohei Matsuura[5], Masaaki Mitomi[6], Kenji Umemura[6], Masami Koshiyama[7], Shinya Tsuda[2], Masatomo Kobayashi[1] ([1]RIKEN BRC, [2]NARO, [3]RIKEN CSRS, [4]Kanagawa Agricultural Technology Center, [5]Hiroshima Prefectural Technology Research Institute, [6]Meiji Seika Pharma Co. Ltd, [7]Zeon Corporation)		3aM12 Variation in the regulation of SUF machinery in response to Fe deficiency among barley cultivars Maya Katori[1], Akihiro Saito[2], Takuji Ohyama[2], Kyoko Higuchi[2] ([1]Grad. Sch. Agri. Chem., Tokyo Univ. Agri., [2]Agri. Chem., Tokyo Univ. Agri.)			11:45

E=Presentation in English