



GENERAL PRESENTATIONS

PROGRAM OF ORAL PRESENTATIONS

- Each presentation is allotted a 15-min slot, a talk for 12 min and discussion for 2 min 30 s, followed by a 30 s interval before the next speaker. To keep the session on schedule, please strictly follow the time limits.
- Your connection to the Zoom webinar will be tested in advance. We will contact you with the details such as the date, time and method.
- The presenter will participate in the webinar as a panelist. When your turn comes, please show your slides by sharing the screen and turn on the microphone and video in the Zoom webinar.
- Please select a set of oral presentations for which a chairperson will be responsible by consulting with the other chairpersons of the assigned session beforehand.
- The chairperson will participate in the Zoom webinar as a panelist. Please enter the webinar via the special link for a panelist, which will be provided by the Organizing Committee in advance.
- Chairpersons are listed at the end of Program of Oral Presentations.

● Day 1, Sun., March 14, AM (9:30–12:30)

Time	Room A	Room B	Room C	Room D
	Photosynthesis	Primary metabolism	Biomembrane/Ion and solute transport	Reproductive growth
09:30	<p>1aA01 Effects of herbicide and formate on the redox potential of the primary quinone Q_A in photosystem II <u>Yuki Kato</u>, Takumi Noguchi (Graduate School of Science, Nagoya University)</p>	<p>1aB01 Activation Mechanism Of The Nitrogen Depletion Responsive Transcription Factor MYB1 In The Unicellular Red Alga <i>Cyanidioschyzon Merolae</i> <u>Baifeng Zhou</u>^{1,2}, Hiroki Shima³, Kazuhiko Igarashi³, Kan Tanaka¹, Sousuke Imamura¹ (¹Lab. Chem. Life Sci., Inst. Innov. Res., Tokyo Tech., ²Sch. Life Sci. Tech., Tokyo Tech., ³Sch. Med., Tohoku Univ.)</p>	<p>1aC01 Analysis of the Tissue-Specific Expression Pattern of the Plant Vacuolar Membrane Transporter ABL2 <u>Toko Mori</u>, Mayuko Naganawa, Yoichi Nakanishi (Grad. Sch. Bioagr., Nagoya Univ)</p>	<p>1aD01 The role of germ cell-specific histone H1 variants during spermiogenesis in <i>Marchantia polymorpha</i> <u>Kanta Kotani</u>¹, Ruri Nishida¹, Asuka Higo², Shohei Yamaoka¹, Keisuke Inoue¹, Takashi Araki¹ (¹Graduate School of Biostudies, Kyoto University, ²Center for Gene Research, Nagoya University)</p>
09:45	<p>1aA02 Formation of High Spin S₂ Intermediate State Related to g~5 EPR Signal in the Oxygen Evolving Complex <u>Hiroyuki Mino</u>¹, Shota Taguchi¹, Liangliang Shen², Guangye Han², Yasufumi Umena^{3,4}, Jian-Ren Shen^{2,3}, Takumi Noguchi¹ (¹Grad. School Sci., Nagoya Univ., ²Key Lab. Photobiol., Inst. Botany, Chinese Acad. Sci., China, ³Res. Inst. Interdiscip. Sci., Okayama Univ., ⁴Jichi Medical Univ.)</p>	<p>1aB02 Low nitrogen conditions affect flowering time by modulating the phosphorylation state of transcription factor in <i>Arabidopsis</i> <u>Miho Sanagi</u>¹, Akio Kubo¹, Yasutake Sato², Filip Rolland³, Junpei Takagi¹, Junji Yamaguchi¹, Takato Imaizumi⁴, Takeo Sato¹ (¹Fac. Sci. and Grad. Sch. Life Sci., Hokkaido Univ., ²Sch. Sci., Hokkaido Univ., ³Biol. Dept., KU Leuven, ⁴Dept. Biol., Univ. Washington)</p>	<p>1aC02  Ca²⁺-sensitive and non-selective Na⁺/K⁺ channel activity of a barley aquaporin HvPIP2;8 <u>Sen Tran</u>^{1,2}, Tomoaki Horie³, Shahin Imran¹, Jiaen Qiu⁴, Samantha McGaughey⁵, Caitlin S. Byrrt^{4,5}, Stephen D. Tyerman⁴, Maki Katsuhara¹ (¹Institute of Plant Science and Resources, Okayama University, 2-20-1 Chuo, Kurashiki 710-0046, Japan, ²Faculty of Agronomy, University of Agriculture and Forestry, Hue University, Hue, 530000, Vietnam, ³Division of Applied Biology, Faculty of Textile Science and Technology, Shinshu University, 3-15-1, Tokida, Ueda, Nagano 386-8567, Japan, ⁴Australian Research Council Centre of Excellence in Plant Energy Biology, Waite Research Institute and School of Agriculture, Food and Wine, The University of Adelaide, Glen Osmond, South Australia 5064, Australia, ⁵Research School of Biology, Australian National University, Canberra, ACT 2600, Australia)</p>	<p>1aD02 On the molecular function of Arabidopsis VPS13 during pollen germination <u>Sota Fujii</u>¹, Surachat Tangpranomkorn¹, Motoko Igarashi², Fumiko Ishizuna³, Yoshinobu Kato¹, Takamasa Suzuki⁴, Seiji Takayama¹ (¹University of Tokyo, ²Nara Institute of Science and Technology, ³Tokyo Kasei Gakuin University, ⁴Chubu University)</p>
10:00	<p>1aA03 Comparison of in silico Models of Heriobacterial Type-I and Photosystem I Reaction Centers: Pigment Site Energy Shifts and Energy Transfer Process Akiihiro Kimura¹, Hirotaka Kito², Yasuteru Shigetani³, <u>Shigeru Itoh</u>¹ (¹Physics, Science, Nagoya Univ., ²JST PRESTO. System Info, Kobe Univ., ³Center Computational Sci., Tsukuba Univ)</p>	<p>1aB03 Characterization of a Novel microRNA Function Involved in Nitrogen Assimilation in Rice <u>Mio Takatori</u>¹, Kyonoshin Maruyama², Ning Wang^{3,4}, Miyako Kusano^{3,4,5} (¹Grad. Sch. Life and Environmental Sci., Univ. Tsukuba, ²Biological Resources and Post-Harvest Division, JIRCAS, ³Grad. Sch. Life and Environmental Sci., Univ. Tsukuba, ⁴T-PIRC, Univ. Tsukuba, ⁵Yokohama Inst., RIKEN)</p>	<p>1aC03  Functional characterization of a ZIP family transporter OsZIP2 in rice <u>Sheng Huang</u>, Jian Feng Ma (Institute of Plant Science and Resources, Okayama University)</p>	<p>1aD03 Establishment and maintenance of the axial-basal polarity of the zygote and early embryo in rice <u>Atsuko Kinoshita</u>, Tety Maryenti, Hanifah Aini, Erika Toda, Takashi Okamoto (Dept. of Biol. Sci., Tokyo Metropolitan Univ.)</p>

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Vegetative growth	Plant hormones/Signaling molecules	Environmental responses B	Plant-organism interaction A				
<p>1aE01 Functional analysis of CELL DIVISION CYCLE 25 in <i>Marchantia polymorpha</i> Ayumi Oda¹, Shiori S Aki¹, Ryuichi Nishihama², Takayuki Kohchi², Masaaki Umeda¹ (¹Grad. Sch. Sci. Tech., NAIST, ²Grad. Sch. Bio., Kyoto Univ.)</p>	<p>1aF01 Physiological effects and molecular mechanisms triggered by exogenous s-4-hydroxy-5-amino valeric acid (s-HAVA) Kaho Tsuruyama¹, Fumiya Endo², Kaito Hinokawa³, Noritaka Aoki³, Takanori Fujimoto², Shigeyuki Watanabe², Tomohide Uno^{1,3}, Kengo Kanamaru^{1,3} (¹Grad. Sch. Agri., Kobe Univ., ²Research & Development Center, Cosmo Oil Co., Ltd., ³Fac. Agri., Kobe Univ.)</p>	<p>1aG01 E Over-expression of <i>NICOTINAMIDASE 3 (NIC3)</i> gene enhances drought tolerance and plant biomass in <i>Arabidopsis</i> Zarnab Ahmad^{1,2}, Khurram Bashir¹, Akihiro Matsui^{1,3}, Maho Tanaka^{1,3}, Ryosuke Sasaki⁴, Akira Oikawa^{4,5}, Masami Yokota Hirai^{4,6}, Bushra Rashid², Tayyab Husnain², Motoaki Seki^{1,3,7} (¹Plant Genomic Network Research Team, RIKEN Center for Sustainable Resource Science (CSRS), Yokohama, 230-0045, Japan, ²Plant Genomics Laboratory, Centre of Excellence in Molecular Biology, University of the Punjab, Lahore, Pakistan, ³Plant Epigenome Regulation Laboratory, RIKEN Cluster for Pioneering Research, Wako, Saitama, 351-0198, Japan, ⁴Mass Spectrometry and Microscopy Unit, RIKEN Center for Sustainable Resource Science (CSRS), Yokohama, 230-0045, Japan, ⁵Faculty of Agriculture, Yamagata University, Tsuruoka, 997-8555, Japan, ⁶Metabolic Systems Research Team, RIKEN Center for Sustainable Resource Science (CSRS), Yokohama, 230-0045, Japan, ⁷Kihara Institute for Biological Research, Yokohama City University, Yokohama, 244-0813, Japan)</p>	<p>1aH01 E Effector signaling in Hypersensitive Response (HR): The single molecule signaling analysis of active oxygen species (AOS) generation by CDPK regulation in potato Naotaka Furuichi (Department of Biochem. Molecular Biology, U Nevada, Reno.)</p>	Symposium S01 Toward understanding emergence of order in Plant-Microbe Holobiont (9:30-12:30)	Symposium S02 The universality and diversity of stem cell regulation revealed from the study of basal plants (9:30-12:25)	The 17th Database Workshop (9:30-12:30)	09:30
<p>1aE02 Crucial roles of Rboh-mediated ROS production regulating cell division and differentiation in the apical meristematic zones in <i>Marchantia polymorpha</i> Yuki Hagiwara¹, Kenji Hashimoto¹, Rakuri Aiba¹, Sumika Ide¹, Yuto Yamashita¹, Tomohiro Takagawa¹, Fuminori Takahashi², Kazuyuki Kuchitsu¹ (¹Dept. Appl. Biol. Sci., Tokyo Univ. of Sci., ²RIKEN)</p>	<p>1aF02 Functional differentiation between PIP5K genes in <i>A. thaliana</i> Machiko Watari¹, Blanc-Mathieu Romain², Mariko Kato¹, Tomohiko Tsuge¹, Hiroyuki Ogata¹, Takashi Aoyama¹ (¹Institute for Chemical Research, Kyoto university, ²The French Alternative Energies and Atomic Energy Commission)</p>	<p>1aG02 Stress-mediated secreted protein modulates distant organ communications under dehydration stress Fuminori Takahashi¹, Takehiro Suzuki², Naoshi Dohmae², Kazuo Shinozaki¹ (¹Gene Discovery, RIKEN CSRS, ²Biomolecular Character., RIKEN CSRS)</p>	<p>1aH02 E Plant aquaporin phosphorylation restricts bacterial water acquisition under high humidity Shigetaka Yasuda¹, Taishi Hirase¹, Lionel Verdoucq², Colette Tournaire-Roux², Kohji Yamada^{3,4}, Iris Finkemeier^{3,5}, Hirofumi Nakagami³, Xiu-Fang Xin⁶, Sheng Yang He⁶, Christophe Maurel², Yusuke Saijo^{1,3} (¹NAIST, ²CNRS, ³MPIPZ, ⁴Tokushima Univ., ⁵Univ. Münster, ⁶Michigan State Univ.)</p>				09:45
<p>1aE03 E Analysis of co-receptor gene for CLAVATA peptide signaling in <i>Marchantia polymorpha</i> apical meristem Yuki Hirakawa¹, Go Takahashi¹, Natsuki Okuzumi¹, Shigeyuki Betsuyaku², Tomohiro Kiyosue¹ (¹Grad. Sch. Sci., Univ. Gakushuin, ²Fac. Agr., Univ. Ryukoku)</p>	<p>1aF03 Functional analysis of plant progesterone receptor candidate and its downstream gene expression Rira Daiho¹, Ayumi Yamagami¹, Ayaka Uebayashi^{2,3}, Setsuko Shimada², Mayumi Iino², Mayumi Okamoto⁴, Shun Kobayashi⁴, Akinori Matsui⁴, Isao Shimizu⁴, Yusuke Kakei⁵, Yukihisa Shimada⁵, Masaaki Sakuta³, Tadao Asami⁶, Takao Yokota¹, Takeshi Nakano¹ (¹Grad. Biost., Kyoto Univ., ²CSRS, RIKEN, ³Ochanomizu Univ., ⁴Grad. Sci. Engi., Waseda Univ., ⁵KIBR, Yokohama City Univ., ⁶Dept. Appl. Biol. Chem., Tokyo Univ., ⁷Dept. Biosci., Teikyo Univ.)</p>	<p>1aG03 Functional analysis of Group A bZIP transcription factor <i>PpAB15</i> in <i>Physcomitrium patens</i> Yusuke Yoshimura¹, Izumi Yotsui¹, Ken Fujisaki¹, Teruaki Taji¹, Andrew Cuming², Yoichi Sakata¹ (¹Dept. of Bioscience tokyo Univ. of Agriculture, ²Leeds university)</p>	<p>1aH03 E A pair of effectors involving in suppression of Arabidopsis-specific immunity are conserved in Arabidopsis-infecting <i>Fusarium oxysporum</i> Shuta Asai^{1,2}, Yu Ayukawa¹, Pamela Gan¹, Ayako Tsushima¹, Ken Komatsu³, Petra Houterman⁴, Martijn Rep⁴, Tsutomu Arie³, Ken Shiras¹ (¹RIKEN CSRS, ²JST PRESTO, ³Tokyo University of Agriculture and Technology, ⁴University of Amsterdam)</p>				10:00

E=Presentation in English

● Day 1, Sun., March 14, AM (9:30–12:30)

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	Photosynthesis	Primary metabolism	Biomembrane/Ion and solute transport	Reproductive growth
10:15	<p>1aA04 Numerical Modeling for Electron Transfer Reactions in the Bacterial Type-I Photosynthetic Reaction Centers <u>Mika Takahashi</u>¹, Tetsuko Nakaniwa², Risa Mutoh^{2,3}, Kazuki Terauchi¹, Hideaki Tanaka², Hirozo Oh-oka⁴, Genji Kurisu², Chihiro Aza¹ (¹Col. Life Sci., Ritsumeikan Univ., ²IPR, Osaka Univ., ³Fac. Sci., Fukuoka Univ., ⁴Grad. Sch. Sci., Osaka Univ.)</p>	<p>1aB04 Development of the Growth Rate Evaluation Method for Screening of Rice Varieties in Response to Dynamic Changes of Nitrogen Concentration <u>Chihaya Fukui</u>¹, Takanari Tanabata³, Tomoko Nishizawa², Miyako Kusano^{1,2} (¹Grad. Sch. Life and Environmental Sci., Univ. Tsukuba, ²RIKEN Center for Sustainable Resource Science, ³Kazusa DNA Research Ins.)</p>	<p>1aC04 OsBOR1 is involved in organ- and tissue-dependent distribution of boron in rice Ji Feng Shao^{1,2}, <u>Naoki Yamaji</u>¹, Sheng Huang¹, Jian Feng Ma¹ (¹IPSR, Okayama Univ., ²Zhejiang A&F Univ.)</p>	<p>1aD04 E ROS Dynamics and GSH-mediated Glutathione Peroxidase Functions in Developing Rice Zygote <u>Kasidit Rattanawong</u>¹, Narumi Koiso¹, Erika Toda¹, Mari Tanaka², Hiroyuki Tsuji², Takashi Okamoto¹ (¹Dept. of Biol. Sci., Tokyo Metropolitan Univ., ²Kihara Inst., Yokohama City Univ.)</p>
10:30	<p>1aA05 E Plastid-encoded overexpression of Rubisco Activase improves growth and CO₂ assimilation of tobacco under natural light <u>Shamitha Rao Morey</u>¹, Mieko Higuchi-Takeuchi¹, Masaki Odahara¹, Keiji Numata^{1,2} (¹RIKEN Center for Sustainable Resource Science, ²Graduate School of Engineering, Kyoto University)</p>	<p>1aB05 The growth and yield of double insertion line for <i>NADH-GOGAT1</i> and <i>NADH-GOGAT2</i> in rice Tsuyoshi Matsumura, Ryosuke Tajima, <u>Soichi Kojima</u> (Grad. Sch. Agr., Univ. Tohoku)</p>	<p>1aC05 Investigating the Role of the Phosphorylation in the Polar Localization of the Borate Transporter BOR1 <u>Keita Muro</u>¹, Yudai Shimizu¹, Yuka Ogino², Chiaki Hori³, Taichi Takasuka², Koji Kasai⁴, Toru Fujiwara⁴, Junpei Takano¹ (¹Grad. Sch. Life Environ. Sci., Osaka Pref. Univ., ²Grad. Sch. Agri., Hokkaido Univ., ³Grad. Sch. Engr., Hokkaido Univ., ⁴Grad. Sch. Agri. and Life Sci., Univ. Tokyo)</p>	<p>1aD05 E Developmental profiles of inter-subfamily polyploid zygotes produced by the fusion of wheat and rice gametes <u>Tety Maryenti</u>¹, Takayoshi Ishii², Takashi Okamoto¹ (¹Dept. of Biol. Sci., Tokyo Metropolitan Univ., ²ALRC, Tottori Univ.)</p>
10:45	<p>1aA06 Photoinhibition by overexpressing Rubisco activase is restored by a moss flavodiiron proteins in rice <u>Ryo Maruhashi</u>¹, Mao Suganami¹, Youshi Tazoe², So Konno¹, Shinya Wada³, Hiroshi Yamamoto⁴, Toshiharu Shikanai⁴, Amane Makino¹ (¹Grad. Sch. Agr. Sci., Tohoku Univ., ²Fac. Agro-Food Sci., Niigata Agro-Food Univ., ³Grad. Sch. Agr. Sci., Kobe Univ., ⁴Grad. Sch. Sci., Kyoto Univ.)</p>	<p>1aB06 E The role of Dof1.7 transcription factor in response to nitrogen starvation in Arabidopsis <u>Mengna Zhuo</u>, Yasuhito Sakuraba, Shuichi Yanagisawa (Biotech. Research Center, UTokyo)</p>	<p>1aC06 E DISM01 is a novel protein involved in Mo distribution in rice <u>Prashant Kandwal</u>, Yoshihiro Ohmori, Toru Fujiwara, Takehiro Kamiya (Graduate School of Agricultural and Life Sciences The University of Tokyo)</p>	<p>1aD06 Analyses of aberrant embryo development observed in the <i>Arabidopsis</i> mutant defective in the nuclear fusion during reproduction <u>Shuh-ichi Nishikawa</u>¹, Yuri Takagi¹, Yuzuru Sato¹, Daisuke Kurihara^{2,3}, Yoshikatsu Sato², Tetsuya Higashiyama^{2,4,5}, Daisuke Maruyama⁶ (¹Fac. Sci., Niigata Univ., ²WPI-ITbM, Nagoya Univ., ³PRESTO, JST., ⁴Grad. Sch. Sci., Nagoya Univ., ⁵Grad. Sch. Sci., Univ. Tokyo, ⁶Grad. Sch. Sci., Univ. Tokyo)</p>
11:00	<p>1aA07 Differences in Rubisco content between the flag and 11th leaves in transgenic rice overproducing Rubisco grown in an experimental paddy field <u>Marin Tanaka</u>, Keiki Ishiyama, Dong-Kyung Yoon, Takaaki Kagawa, Rina Nagao, Hiroyuki Ishida, Tadahiko Mae, Amane Makino (Tohoku University Graduate School of Agricultural Science)</p>	<p>1aB07 Red light-induced activation of nitrate acquisition in <i>Arabidopsis thaliana</i> <u>Yuma Onoue</u>, Yasuhito Sakuraba, Shuichi Yanagisawa (Biotech. Res. Center, Univ. Tokyo)</p>	<p>1aC07 Regulation of <i>MYB59</i> splicing secures shoot K homeostasis in <i>Arabidopsis thaliana</i> <u>Sho Nishida</u>¹, Takuo Enomoto¹, Nobuhiro Tanaka², Toru Fujiwara³ (¹Fac. of Agr., Saga Univ., ²Ins. of Crop Sci., NARO, ³Grad. Sch. of Agr. and Life Sci., Univ. of Tokyo)</p>	<p>1aD07 E Expression analysis of <i>ELONGATION OF SILIQUE WITHOUT POLLINATION3</i> in developing endosperm <u>Yilin Zhang</u>, Hironori Takasakia, Masaru Ohme-Takagi (Graduate School Science and Engineering Saitama University)</p>
11:15	<p>1aA08 Study on the function of θ-carbonic anhydrases in the marine diatom <i>Phaeodactylum tricornutum</i> <u>Kazuya Nagata</u>¹, Kohei Yoneda¹, Sae Kikutani¹, Yoshinori Tsuji², Yusuke Matsuda¹ (¹Dept. Biosci., Grad. Sch. Sci. Tech., Kwansai Gakuin Univ., ²Grad. Sch. Biostudies., Kyoto Univ.)</p>	<p>1aB08 Involvement of nitrate signaling in maintaining chloroplast function in Arabidopsis <u>Takuto Ariga</u>, Yasuhito Sakuraba, Shuichi Yanagisawa (Biotech. Res. Center, Univ. Tokyo)</p>	<p>1aC08 An unconventional degradation pathway of the high-affinity potassium transporter AtHAK5 upon high K⁺ supply <u>Fumihiko Banno</u>¹, Marcel Pascal Beier^{1,2}, Daichi Nagata³, Junpei Takano¹ (¹Grad. Sch. Life and Env., Osaka Pref. Univ., ²Grad. Sch. Agri. and Life Sci., Univ. Tokyo, ³Grad. Sch. Agr., Hokkaido Univ.)</p>	<p>1aD08 Analysis of rice <i>abnormal cell division 1 (abc1)</i> mutant showing defects in endosperm development <u>Toshiya Suzuki</u>¹, Kotaro Izawa², Yoshinori Takafuji², Tsukahoro Hattori², Misuzu Nosaka-T¹, Nhung Ta¹, Sae Shimizu-Sato¹, Yutaka Sato¹ (¹National Institute of Genetics, ²Graduate School of Bioagricultural Sciences, Nagoya University)</p>

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Vegetative growth	Plant hormones/Signaling molecules	Environmental responses B	Plant-organism interaction A				
<p>1aE04 Functional analysis of the LRR receptor-like kinase RPK in <i>Marchantia polymorpha</i> Natsuki Okuzumi, Tomohiro Kiyosue, Yuki Hirakawa (Grad. Sch. Sci., Univ. Gakushuin)</p>	<p>1aF04 Engineering the Production of KODA in Arabidopsis Leaves Takayuki Wakamatsu¹, Yuta Ihara^{1,2}, Mineyuki Yokoyama³, Daisuke Maezawa^{2,4}, Hiroyuki Ohta^{1,2}, Mie Shimojima^{1,2} (¹School of Life Science and Technology, Tokyo Institute of Technology, ²OPERA, JST, ³International Environmental and Agricultural Sciences, Tokyo University of Agriculture and Technology, ⁴Kishi Kasei Co., Ltd.)</p>	<p>1aG04 Interactome analysis of ABI5-mediated transcriptional regulation in <i>Physcomitrium patens</i> Yuri Morikawa¹, Ryotaro Oya¹, Ken Fujisaki¹, Yugo Yamazaki¹, Keiko Kuwata², Teruaki Tajiri¹, Daisuke Takezawa³, Yoichi Sakata¹, Izumi Yotsui¹ (¹Dept. Biosci., Tokyo Univ. Agric., ²TbM, Nagoya Univ., ³Dept. Sci., Saitama Univ.)</p>	<p>1aH04 E Screening for the root-knot nematode effectors that suppress plant immunity Kazuki Sato¹, Yasuhiro Kadota¹, Pamela Gan¹, Taketo Uehara², Takahiro Bino³, Katsushi Yamaguchi³, Yasunori Ichihashi⁴, Hideaki Iwahori⁵, Noriko Maki¹, Shuji Shigenobu³, Takamasa Suzuki⁶, Shahid M. Mukhtar⁷, Ken Shirasu^{1,8} (¹RIKEN Center for Sustainable Resource Science, ²Central Region Agricultural Research Center, NARO, ³NIBB Core Research Facilities, National Institute for Basic Biology, ⁴RIKEN BioResource Research Center, ⁵Department of Agriculture, Ryukoku University, ⁶Department of Biological Chemistry, College of Bioscience and Biotechnology, Chubu University, ⁷Department of Biology, University of Alabama at Birmingham, ⁸Graduate School of Science, University of Tokyo)</p>	Symposium S01 Toward understanding emergence of order in Plant-Microbe Holobiont (9:30–12:30)	Symposium S02 The universality and diversity of stem cell regulation revealed from the study of basal plants (9:30–12:25)	The 17th Database Workshop (9:30–12:30)	10:15
<p>1aE05 The roles of plant specific BZR transcription factors in <i>Marchantia polymorpha</i> Tomoyuki Furuya¹, Shohei Yamaoka², Kimitsune Ishizaki¹, Ryuichi Nishihama², Takashi Araki², Takayuki Kohchi², Hiroo Fukuda³, Yuki Kondo¹ (¹Grad. Sch. Sci., Kobe Univ., ²Grad. Sch. Biostudies, Kyoto Univ., ³Grad. Sch. Sci., Univ. Tokyo)</p>	<p>1aF05 Functional analysis of COI1-JAZ receptor complexes in rice Hideo Inagaki¹, Emi Yumoto², Masashi Asahina^{1,2}, Kenichi Uchida^{1,2}, Kengo Hayashi³, Takuya Kajii³, Nobuki Kato³, Yousuke Takaoka³, Minoru Ueda^{3,4}, Kazunori Okada⁵, Hisakazu Yamane^{1,2}, Koji Miyamoto¹ (¹Grad. Sch. Sci. & Eng., Teikyo Univ., ²Adv. Instrum. Anal. Cent., Teikyo Univ., ³Grad. Sch. Sci., Tohoku Univ., ⁴Grad. Sch. Life Sci., Tohoku Univ., ⁵BRC, The Univ. of Tokyo)</p>	<p>1aG05 Functional analysis of ABI5-related bZIP transcription factors in drought tolerance of <i>Marchantia polymorpha</i> Yuta Kidokoro¹, Daisuke Takezawa², Teruaki Tajiri¹, Yoichi Sakata¹, Izumi Yotsui¹ (¹Dept. of Bioscience Tokyo Univ. of Agriculture, ²Dept. Sci., Saitama Univ.)</p>	<p>1aH05 A secreted <i>Ustilago maydis</i> effector acts as a novel adhesin for hyphal aggregation in plant tumors Fumi Fukada^{1,2}, Nicole Rössel¹, Timo Glatter¹, Karin Münch¹, Petra Happel¹, Regine Kahmann¹ (¹Max Planck Institute for Terrestrial Microbiology, ²IPSR, Univ. Okayama)</p>				10:30
<p>1aE06 Functional characterization of <i>LAX PANICLE2</i> homologous in the liverwort <i>Marchantia polymorpha</i> Naho Maehara¹, Hirotaka Kato¹, Yuki Sakai¹, Yuki Kondo¹, Tetsuro Mimura², Hidehiro Fukaki¹, Kimitsune Ishizaki¹ (¹Grad. Sch. Sci., Kobe Univ., ²Grad. Sch. Agr., The Univ. of Tokyo)</p>	<p>1aF06 GH3.10 functions redundantly with JAR1 in flower development and wound responses of <i>Arabidopsis</i> Jay Camisora Delfin, Takayuki Tohge, Takafumi Shimizu (NAIST)</p>	<p>1aG06 Analysis of transcription factors that down-regulate expression of the <i>PIF4</i> gene in response to abiotic stress in Arabidopsis Hidetoshi Hisamune¹, Satoshi Kidokoro¹, Jin-Seok Moon¹, Miki Osugi¹, Kazuo Shinozaki², Kazuko Yamaguchi-Shinozaki^{1,3} (¹Grad. Sch. Agr. Life Sci., Univ. Tokyo, ²Center for Sustainable Resource Science, RIKEN, ³Res. Inst. Agr. Life Sci., Tokyo Univ. Agr.)</p>	<p>1aH06 E Manipulation of host development and immunity by root-associated microbiota Ryohei Thomas Nakano¹, Jana Hucklenbroich^{1,2}, Tamara Gigolashvili², Paul Schulze-Lefert^{1,3} (¹Max Planck Institute for Plant Breeding Research, ²University of Cologne, ³Cluster of Excellence on Plant Sciences (CEPLAS))</p>				10:45
<p>1aE07 Functional analysis of a R2R3-MYB transcription factor SHOTGLASS in <i>Marchantia polymorpha</i> Yuuki Sakai¹, Hideyuki Takami¹, Shigeyuki Tsukamoto¹, Shohei Yamaoka², Yuki Kondo¹, Hidehiro Fukaki¹, Tetsuro Mimura^{1,3}, Kimitsune Ishizaki¹ (¹Grad. Sch. Sci., Kobe Univ., ²Grad. Sch. Biostudies, Kyoto Univ., ³Grad. Sch. Agri., Univ. Tokyo)</p>	<p>1aF07 JAH3 is a negative regulator of both JA and ethylene-mediated dark-induced senescence KwiMi Chung¹, Barbara Kunkel², Nobutaka Mitsuda¹ (¹Bioproduction Research Institute, AIST, ²Washington University in St. Louis)</p>	<p>1aG07 Functional analysis of Arabidopsis Raf-like kinases under environmental stress conditions Haruka Kameoka¹, Fumiyouki Soma¹, Azusa Fukui¹, Takamasa Suzuki², Kazuko Yamaguchi-Shinozaki^{1,3} (¹Grad. Sch. Agr. Life Sci., Univ. Tokyo, ²Biosci. Biotech., Chubu Univ., ³Res. Inst. Agr. Life Sci., Tokyo Univ. Agr.)</p>	<p>1aH07 E Dissecting the co-transcriptome landscape of plants and microbiota Tatsuya Nobori^{1,2}, Kenichi Tsuda^{1,3} (¹Max Planck Institute for Plant Breeding Research, ²Salk Institute, ³Huazhong Agricultural University)</p>				11:00
<p>1aE08 MpBHLH35 regulates setal formation in the sporophyte of <i>Marchantia polymorpha</i> Kenta Moriya¹, Makoto Shirakawa², Yoriko Matsuda³, Kentaro Tamura⁴, Ryuichi Nishihama², Yoshito Oka¹, Tomonao Matsushita¹, Ikuko Hara-Nishimura⁵, Takayuki Kohchi³, Tomoo Shimada¹ (¹Grad. Sch. Sci., Kyoto Univ., ²Grad. Sch. Sci. Tech., NAIST, ³Grad. Sch. Bio., Kyoto Univ., ⁴Sch. Food & Nutritional Sci., Univ. Shizuoka, ⁵Fac. Sci. Eng., Konan Univ.)</p>	<p>1aF08 Characterization of novel putative plant defense activators that induce accumulation of jasmonic acid in <i>Arabidopsis thaliana</i> Erika Nishida¹, Taiki Funahashi¹, Yuho Saito¹, Masataka Nakano¹, Nobutaka Kitahata¹, Yutaka Nakazawa¹, Kentaro Namiki¹, Maki Nakashima¹, Koji Kuramochi¹, Hiroshi Abe², Fuminori Takahashi², Kenji Hashimoto¹, Kazuyuki Kuchitsu¹ (¹Dept. Appl. Biol. Sci., Tokyo Univ. of Sci., ²RIKEN)</p>	<p>1aG08 Mechanisms of drought stress responses mediated by RAF-SnRK2 kinase cascades in Arabidopsis Fumiyouki Soma¹, Fuminori Takahashi², Suzuki Takamasa³, Kazuo Shinozaki², Kazuko Yamaguchi-Shinozaki^{1,4} (¹Grad. Sch. Agr. Life Sci., Univ. Tokyo, ²Center for Sustainable Resource Science, RIKEN, ³Biosci. Biotech., Chubu Univ., ⁴Res. Inst. Agr. Life Sci., Tokyo Univ. Agr.)</p>	<p>1aH08 E Brown planthopper honeydew-associated microbes elicit defense response in rice Wari David, Hojo Yuko, Shinya Tomnori, Galis Ivan (Inst. Plant Sci. & Res., Okayama Univ.)</p>	11:15			

E=Presentation in English

● Day 1, Sun., March 14, AM (9:30–12:30)

Time	Room A	Room B	Room C	Room D
	Photosynthesis	Primary metabolism	Biomembrane/Ion and solute transport	Reproductive growth
11:30	<p>1aA09 C4Flaveria abundant CP12-3 can regulate GAPDH activity at mesophyll cell chloroplasts <u>Tsuyoshi Furumoto</u>, Dongyu Yan, Kohei Oka, Hayato Horigami (Faculty of Agriculture, Ryukoku University)</p>	<p>1aB09 Analysis of polymorphisms in the promoter of Arabidopsis <i>NITRATE TRANSPORTER1.1</i> (<i>NRT1.1</i>) conferring better nitrogen use under nitrogen-deficient conditions <u>Yasuhito Sakuraba</u>¹, Zhana Chagan¹, Atsushi Mabuchi², Koh Iba², Shuichi Yanagisawa¹ (¹Biotech. Res. Center, Univ. Tokyo, ²Grad. Sch. Sci., Univ. Kyushu)</p>		
11:45	<p>1aA10 Ex-vivo experimental method for visualization of the chloroplast proteins involved in C4 photosynthesis <u>Saki Ueda</u>¹, Ryousuke Sugiura², Sumire Fujisiro², Mao Fujiyoshi², Yuuki Nakamura², Hayato Matsumoto², Tsuyosi Furumoto^{1,2} (¹Grad. Sch. Agr. Univ. Ryukoku, ²Facu. Sch. Agr. Univ. Ryukoku)</p>	<p>1aB10 Characterization of coexpression modules and their hubgenes identified by gene coexpression network analysis of rice plants grown in paddy fields <u>Katsumi Hagino</u>^{1,2}, Yonghyun Kim², Yoshiaki Ueda³, Atsushi J. Nagano⁴, Shuichi Yanagisawa⁵, Mitsue Miyao² (¹Grad. Sch. Arts and Sci., Univ. Tokyo, ²Grad. Sch. Agricul. Sci., Tohoku Univ., ³JIRCAS, ⁴Fac. Agricul., Ryukoku Univ., ⁵Biotech. Res. Center, Univ. Tokyo)</p>		
12:00	<p>1aA11 E Correlation of winter-specific gene expression and sustained thermal dissipation in over-wintering yew leaves <u>Zihao Ye</u>, Mina Sawada, Ryo Moriyama, Toshihiko Hara, Ayumi Tanaka, Atsushi Takabayashi, Ryouichi Tanaka (Inst Low Temp Sci, Hokkaido Uni)</p>			
12:15	<p>1aA12 Exploring for a photorespiratory pathway of conifer leaves by metabolite analysis <u>Shin-Ichi Miyazawa</u>¹, Takafumi Miyama¹, Ko Tahara¹, Yuji Suzuki², Mitsuru Nishiguchi¹ (¹Forestry and Forest Products Research Institute, ²Iwate University)</p>			

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Vegetative growth	Plant hormones/Signaling molecules	Environmental responses B	Plant-organism interaction A				
<p>1aE09 Different Expression Patterns of the Key Transcription Factors Underlie the Diverse Patterns of Stomatal Development in the Genus <i>Callitriche</i> Yuki Doll, Hiroyuki Koga, Hirokazu Tsukaya (Grad. Sch. Sci., Univ. Tokyo)</p>	<p>1aF09 Effects of anesthesia on the wound-responsive gene and graft union of <i>Arabidopsis</i> hypocotyls Sakuya Hirayama¹, Ryosuke Sato², Kyomi Shibata³, Ken Yokawa⁴, Shinobu Satoh⁵, Masashi Asahina^{1,2,3} (¹Grad. Sch. Sec. & Eng., Teikyo Univ., ²Dept. Biosci., Teikyo Univ., ³Adv. Instrum. Anal., Teikyo Univ., ⁴Dept. Eng., Kitami Tech Univ., ⁵Life & Environ Sci., Univ. Tsukuba)</p>	<p>1aG09 Arabidopsis B3-MAPKKs are positive regulators of subclass III SnRK2 in osmotic stress signaling Goro Masuda¹, Shohei Katsuta¹, Hyeokjin Bak¹, Akihisa Shinozawa², Yoshiaki Kamiyama³, Taishi Umezawa³, Daisuke Takezawa⁴, Izumi Yotsui¹, Teruaki Tajiri¹, Yoichi Sakata¹ (¹Dept. of Bioscience, Tokyo Univ. of Agriculture, ²Bio resource genome center, Tokyo Univ. of Agriculture, ³Dept. of BASE, Tokyo Univ. of Agriculture and Engineering, ⁴Dept. of Science and Engineering, Saitama Univ.)</p>	<p>1aH09 Mutants of defensive trichomes isolated from NBRP-tomato bioresource collections Koichi Sugimoto, Naoko Ito, Yoko Fujimori, Hiroshi Ezura (T-PIRC, Univ. Tsukuba)</p>	Symposium S01 Toward understanding emergence of order in Plant-Microbe Holobiont (9:30-12:30)	Symposium S02 The universality and diversity of stem cell regulation revealed from the study of basal plants (9:30-12:25)	The 17th Database Workshop (9:30-12:30)	<p>11:30</p> <p>11:45</p> <p>12:00</p> <p>12:15</p>

● Day 1, Sun., March 14, PM (14:00–16:45)

Time	Room A	Room B	Room C	Room D
	Cell wall	Transcriptional, post-transcriptional or translational, post-translational regulations	Photoreceptors/Photoresponses	Reproductive growth
14:00	<p>1pA01 Identification of transcription factor involving in S₂ layer formation of secondary cell wall (SCW) in <i>Populus</i> <u>Naoki Takata</u>¹, Tatsuya Awano², Pui Ying Lam³, Shiro Suzuki^{3,4}, Yuki Tobimatsu³, Nobutaka Mitsuda⁵, Natsumaro Kutsuna⁶, Yusuke Yamagishi⁷, Toru Taniguchi⁸ (¹Forest Bio Res. Cent., For. Forest Prod. Res. Inst., ²Grad. Sch. of Agri., Kyoto Univ., ³RISH, Kyoto Univ., ⁴Fac. Appl. Biol. Sci. Gifu Univ., ⁵Bioprod. Res. Inst., AIST, ⁶LPixel Inc., ⁷Grad. Sch. of Agri., Hokkaido Univ., ⁸Tohoku Reg. Breeding Office, Forest Tree Breeding Cent., For. Forest Prod. Res. Inst.)</p>	<p>1pB01 Local activation of an endogenous pararetrovirus and its effect to RNA interference in star-type petunia <u>Kazunori Kuriyama</u>¹, Midori Tabara¹, Hideki Takahashi², Hiromitsu Moriyama¹, Toshiyuki Fukuhara¹ (¹Agriculture, Univ. Tokyo of Agri. and Tech., ²Agriculture, Univ. Tohoku)</p>	<p>1pC01 Photochemical Properties of LOV Domains of Phototropin from <i>Marchantia polymorpha</i> <u>Yamato Takahashi</u>¹, Shota Kato¹, Koji Okajima², Yutaka Kodama¹ (¹Utsunomiya Univ., ²Keio University)</p>	<p>1pD01 Crucial roles of autophagy and Rboh-mediated ROS production in tapetal programmed cell death and pollen maturation in rice Kazunori Ogawa¹, Jumpei Sawada¹, Togo Fukunaga¹, Shigeru Hanamata^{1,2}, Kenji Hashimoto¹, Seijiro Ono³, Ken-Ichi Nonomura⁴, Seisuke Kimura⁴, Takamitsu Kurusu^{1,5}, <u>Kazuyuki Kuchitsu</u>¹ (¹Dept. Appl. Biol. Sci., Tokyo Univ. of Science, ²Niigata Univ., ³Natl. Inst. Genetics, ⁴Kyoto Sangyo Univ., ⁵Suwa Univ. of Science)</p>
14:15	<p>1pA02 E BAHD acyltransferases responsible for lignin <i>p</i>-coumaroylation in rice cell walls <u>Pui Ying Lam</u>¹, Yuki Tobimatsu¹, Shiro Suzuki^{1,2}, Takuto Tanaka¹, Yuri Takeda¹, Yuriko Osakabe³, Keishi Osakabe³, Laura E. Bartley⁴, Toshiaki Umezawa^{1,5} (¹RISH, Kyoto Univ., ²Fac. Appl. Biol. Sci., Gifu U., ³Fac. Biosci. Bioeng., Tokushima Univ., ⁴Inst. Biol. Chem., Washington State Univ., ⁵RUDGS, Kyoto Univ.)</p>	<p>1pB02 Molecular dissection of Dicer-Like1 protein in Arabidopsis microRNA biogenesis <u>Rikako Hirata</u>¹, Kei-ichiro Mishiba¹, Nozomu Koizumi¹, Hamdan Samir M.², Yuji Iwata¹ (¹Grad. Sch. Biol. Environ., Osaka. Pref. Univ., ²KAUST Div. of Biol. Envir. Sci. Eng., King Abdullah Univ. of Sci. Tech.)</p>	<p>1pC02 Dimerization of LOV1 Domain of Phototropin from <i>Marchantia polymorpha</i> <u>Minoru Noguchi</u>, Yutaka Kodama (Ctr. Biosci. Res. Educ., Utsunomiya Univ)</p>	<p>1pD02 The floral homeotic protein AGAMOUS controls petal growth and senescence via Jasmonic acid in <i>Arabidopsis</i> <u>Akira Uemura</u>, Nobutoshi Yamaguchi, Toshiro Ito (Grad. Sch. Science and Technology., Nara Institute of Science and Technology)</p>
14:30	<p>1pA03 Second pathway for generation of UDP-L-arabinose in Arabidopsis Akira Umezawa¹, Konatsu Nakazawa², Shinya Fushinobu³, Naho Nishigaki¹, Yoichi Tsumuraya¹, Daisuke Takahashi¹, <u>Toshihisa Kotake</u>¹ (¹Grad. Sch. Sci. & Eng., Saitama Univ., ²Fac. Sci., Saitama Univ., ³Grad. Sch. Agri. & Life Sci., Univ. Tokyo)</p>	<p>1pB03 E Importance of Nonsense-mediated mRNA Decay in Auxin Signaling during <i>in vitro</i> Organogenesis and Development in Plants <u>Nyet-Cheng Chiam</u>¹, Tomoyo Fujimura², Ryosuke Sano¹, Taku Demura^{1,2}, Misato Ohtani^{1,2,3} (¹Division of Biological Science, Graduate School of Science and Technology, Nara Institute of Science and Technology, Ikoma, 630-0192 Japan, ²RIKEN Center for Sustainable Resource Science, Yokohama, 230-0045 Japan, ³Department of Integrated Biosciences, Graduate School of Frontier Sciences, The University of Tokyo, Kashiwa, 77-8562, Japan)</p>	<p>1pC03 The Role of Dephosphorylation of NPH3 in The Hypocotyl Phototropism of Arabidopsis <u>Taro Kimura</u>¹, Ken Haga², Yuko Nomura³, Takumi Higaki⁴, Hirofumi Nakagami⁵, Tatsuya Sakai¹ (¹Grad. Sch. Scie. Tech., Niigata Univ., ²Fac. Fundam. Eng., Nippon Inst. Tech., ³RIKEN CSRS, ⁴IROAST, Kumamoto Univ., ⁵Max Planck Inst. Plant Breeding Res.)</p>	<p>1pD03 E Morphological and Physiological Framework Underlying Plant Longevity in <i>Arabidopsis thaliana</i> <u>Yukun Wang</u>¹, Kie Kumaishi², Takamasa Suzuki³, Yasunori Ichihashi^{2,4}, Nobutoshi Yamaguchi^{1,4}, Makoto Shirakawa¹, Toshiro Ito¹ (¹Division of Biological Science, Graduate School of Science and Technology, Nara Institute of Science and Technology, ²RIKEN BioResource Research Center, ³Department of Biological Chemistry, College of Bioscience and Biotechnology, Chubu University, ⁴Precursory Research for Embryonic Science and Technology, Japan Science and Technology Agency)</p>
14:45	<p>1pA04 E Arabinogalactan Proteins Modulate Auxin Signaling in <i>Physcomitrium patens</i> To Control Gametophore Formation <u>Ooi Kock Teh</u>¹, Junling Ren³, Tomomichi Fujita² (¹IAHE, Hokkaido Univ., ²Fac. Sci., Hokkaido Univ., ³Grad. Sch. Life. Sci., Hokkaido Univ.)</p>	<p>1pB04 Involvement of pre-mRNA splicing regulation in the plastid signal-mediated lateral root development <u>Natsu Takayanagi</u>¹, Hirokazu Takahashi², Misato Ohtani^{1,2,3} (¹Grad. Sch. Front. Sci., Univ. Tokyo, ²Div. Biol. Sci., NAIST, ³RIKEN, CSRS)</p>	<p>1pC04 Blue light-induced leaf movement in <i>Lotus japonicus</i> <u>Rie Mishima</u>¹, Yusuke Kubo¹, Tatsuya Sakai², Toshihiko Kinoshita³, Takuya Suzuki⁴, Shin-ichiro Inoue¹ (¹Grad. Sch. Sci., Nagoya Univ., ²Grad. Sch. Sci., Niigata Univ., ³ITbM., Nagoya Univ., ⁴Grad. Sch. Life and Environ. Sci., Univ. Tsukuba)</p>	<p>1pD04 CRABS CLAW controls nectary development thorough the <i>MACCHI-BOU 4</i> gene in <i>Arabidopsis</i> <u>Hideaki Jimura</u>¹, Nobutoshi Yamaguchi^{1,2}, Toshiro Ito¹ (¹Bio. Sci., NAIST, ²JST Sakigake)</p>
15:00	<p>1pA05 Exploring the significance of lignin by using an artificial system to reconstitute cell wall in planta Miyuki Nakata¹, Kentaro Ezura¹, Shingo Sakamoto¹, Yasuko Kaneko², Kouki Yoshida³, <u>Nobutaka Mitsuda</u>¹ (¹BPRI AIST, ²Grad. Sch. Sci. Eng., Saitama Univ., ³Taisei Co. Ltd.)</p>	<p>1pB05 <i>Arabidopsis</i> DROL1 gene is specifically required for splicing AT-AC-type introns <u>Takamasa Suzuki</u>, Gaiki Ono, Tomoko Niwa, Fumiya Yamasaki (Col. Biosci. Biotech., Chubu Univ.)</p>	<p>1pC05 BLUS1 signal and a decrease in intercellular CO₂ concentration are necessary for stomatal opening in response to blue light <u>Sakurako Hosotani</u>¹, Shota Yamauchi¹, Haruki Kobayashi¹, Saashia Fuji¹, Shigekazu Koya², Ken-ichiro Shimazaki², Atsushi Takemiya¹ (¹Grad. Sch. Sci. Tech. Innov., Yamaguchi Univ., ²Grad. Sch. Sci., Kyushu Univ.)</p>	<p>1pD05 QTL dissection of the flower morphology in the genus <i>Streptocarpus</i> <u>Kanae Nishii</u>^{1,2}, Yun-Yu Chen^{2,3}, Catherine Kidner^{2,3}, Christine Anne Hackett⁴, Michael Moeller² (¹Kanagawa Univ., ²Royal Botanic Garden Edinburgh, ³Univ. Edinburgh, ⁴BioSS)</p>

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Vegetative growth	Plant hormones/Signaling molecules	Environmental responses B	Plant-organism interaction A				
<p>1pE01 E A novel stress-activated regulator of shoot regeneration in Arabidopsis <u>Duncan Coleman</u>¹, Ayako Kawamura¹, Momoko Ikeuchi², David Favero¹, Akira Iwase¹, Alice Lambolozzi^{1,3}, Takamasa Suzuki^{3,4}, Keiko Sugimoto^{1,3} (RIKEN CSRS, Yokohama, ²Sch. Sci., Niigata Univ., ³Grad. Sch. Sci., Univ. Tokyo., ⁴Col. Biosci. Biotech., Chubu Univ.)</p>	<p>1pF01 A Study In The Relationship Between BR Supply In The Root Tip And Light Signaling From The Shoot Tissue <u>Jun Sakaguchi</u>, Yuichiro Watanabe (Grad. Sch. of Arts and Sci., The Univ. of Tokyo)</p>	<p>1pG01 Improvement of growth and yield in stress tolerant plants by gene stacking <u>Toshiki Kato</u>¹, Satoshi Kidokoro¹, Madoka Kudo¹, Kazuo Shinozaki², Kazuko Yamaguchi-Shinozaki^{1,3} (¹Grad. Sch. Agr. Life Sci., Univ. Tokyo, ²Center for Sustainable Resource Science, RIKEN, ³Res. Inst. Agr. Life Sci., Tokyo Univ. Agr)</p>	<p>1pH01 E Identification of secondary metabolite synthesis key genes that are involved in virulence of phytopathogenic fungi using a multiplex gene disruption system <u>Naoyoshi Kumakura</u>¹, Katsuma Yonehara^{1,2}, Pamela Gan¹, Nobuaki Ishihama¹, Ken Shirasu^{1,2} (¹CSRS, Riken, ²Grad. Sch. Sci., Univ. Tokyo)</p>	Symposium S03 Frontiers of Plant Genome Editing to shape the future with new technologies (14:00–17:00)	Symposium S04 Re-optimization of Energy Transduction in Photosynthesis – Structure, Function and System (14:00–16:45)	Symposium S05 Mineral element transport systems in plants: transporters, regulation and utilization (14:00–17:10)	14:00
<p>1pE02 E Light as an environmental signal in the control of plant regeneration <u>Yu Chen</u>^{1,2}, David Favero², Ayako Kawamura², Keiko Sugimoto^{1,2} (¹Grad. Sch. Sci., Univ. Tokyo, ²CSRS, RIKEN)</p>	<p>1pF02 Analysis for subcellular protein dynamics of BIL7 that promotes plant growth in brassinosteroid signaling <u>Yusuke Nakamura</u>¹, Tomoko Miyaji², Ayumi Yamagami¹, Minami Matsui², Shozo Fujioka², Tadao Asami³, Takeshi Nakano¹ (¹Grad. Sch. Biostudies., Kyoto Univ., ²RIKEN, CSRS, ³Grad. Sch. Agri. Life Sci., Univ. of Tokyo)</p>	<p>1pG02 MKP1 Plays a Positive Role in Osmotic Stress Tolerance in <i>Arabidopsis thaliana</i> <u>Masahiro Yamaguchi</u>¹, Kohei Uchida¹, Hirota Ariga¹, Keisuke Tanaka², Izumi Yotsui¹, Yoichi Sakata¹, Teruaki Taji¹ (¹Tokyo Univ. of Agriculture Dept. of Bioscience, ²NODAI Genome Research Center)</p>	<p>1pH02 Dissection of LysM protein-mediated immune signaling pathway in the moss <i>Physcomitrium patens</i> using a forward genetic approach <u>Yuki Ambe</u>¹, Hidenori Matsui², Teruaki Taji¹, Yoichi Sakata¹, Izumi Yotsui¹ (¹Dept. of Bioscience Tokyo Univ. of Agriculture, ²Grad. Sch. Environ. and Life Sci., Okayama Univ.)</p>				14:15
<p>1pE03 Transcriptome Dynamics of Epidermal Reprogramming during Direct Shoot Regeneration in <i>Torenia fournieri</i> <u>Hatsune Morinaka</u>¹, Akihito Mamiya¹, Hiroaki Tamaki¹, Takamasa Suzuki², Momoko Ikeuchi^{3,4}, Akira Iwase⁴, Keiko Sugimoto⁴, Tetsuya Higashiyama^{5,6}, Munetaka Sugiyama¹ (¹Botanical Gardens, Grad. Sch. Sci., Univ. Tokyo, ²Dept. Biol. Chem., Coll. Biosci. Biotech., Chubu Univ., ³Faculty of Sci., Niigata Univ., ⁴CSRS, RIKEN, ⁵ITbM, Nagoya Univ., ⁶Dept. Biol. Sci., Grad. Sch. Sci., Univ. Tokyo)</p>	<p>1pF03 Functional analysis of brassinosteroid signaling factor BSHs for plant growth <u>Rina Su</u>¹, Ayumi Yamagami¹, Tomoko Miyaji², Masaaki Sakuta³, Tadao Asami⁴, Kazuo Shinozaki², Takeshi Nakano¹ (¹Grad. Bios., Univ. Kyoto, ²CSRS, Riken, ³Grad. Life Sci., Univ. Ochanomizu, ⁴Dept. Appl. Biol. Chem., Univ. Tokyo)</p>	<p>1pG03 Dissecting genetic variation in osmotolerance among <i>Arabidopsis thaliana</i> accessions <u>Kosuke Banba</u>, Izumi Yotsui, Yoichi Sakata, Teruaki Taji (Dept. of Bioscience Tokyo Univ. of Agriculture)</p>	<p>1pH03 Systemic Induction of Disease Resistance and Growth Inhibition by Chitin in Arabidopsis <u>Hisako Yamagata</u>¹, Keigo Naito², Momoko Takagi¹, Mai Yoshioka¹, Mayumi Egusa¹, Keisuke Kariya², Atsushi Ishihara¹, Shinsuke Ifuku³, Akira Mine^{4,5}, Hironori Kaminaka¹ (¹Fac. Agr., Tottori Univ., ²Grad. Sch. Agr., Tottori Univ., ³Grad. Sch. Eng., Tottori Univ., ⁴Fac. Life Sci., Ritsumeikan Univ., ⁵JST PRESTO)</p>				14:30
<p>1pE04 E Leaf Protoplast Reprogramming in Arabidopsis <u>Yuki Sakamoto</u>^{1,2}, Takamasa Suzuki³, Shoji Segami^{4,5}, Masayoshi Maeshima³, Keiko Sugimoto^{1,2} (¹Grad. Sch. Sci., Univ. Tokyo, ²CSRS, RIKEN, ³Col. Biosci. Biotech., Chubu Univ., ⁴NIIB, ⁵SOKENDAI)</p>	<p>1pF04 Functional analysis of novel bHLH transcription factors BHHs in BR signaling pathway <u>Zhana Chagan</u>¹, Yuichiro Tanaka^{1,2}, Reika Hasegawa³, Ayumi Yamagami¹, Miho Ikeda³, Nobutaka Mitsuda⁴, Tetsuo Kushiro², Masaru Takagi^{3,4}, Tadao Asami⁵, Takeshi Nakano¹ (¹Grad. Sch. Bios., Kyoto Univ., ²Grad. Sch. Agri., Meiji Univ., ³Grad. Sch. Sci. Eng., Saitama Univ., ⁴AIIST, ⁵Grad. Sch. Agri. Life Sci., Univ. Tokyo)</p>	<p>1pG04 Phenotypic analysis of quinoa inbred lines by automated phenotyping system RIPPS <u>Miki Fujita</u>¹, Saya Kikuchi¹, Masami Toyoshima², Nobuyuki Mizuno^{3,4}, Yasuo Yasui³, Yasunari Fujita^{2,5}, Kazuo Shinozaki¹ (¹RIKEN CSRS, ²JIRCAS, ³Grad. Sch. Agri. Sci., Kyoto Univ., ⁴Institute of Crop Science, NARO, ⁵Univ Tsukuba)</p>	<p>1pH04 Elucidation of the Mechanism Underlying the Expression of Disease Resistance Systemically Induced by Chitin in Rice <u>Momoko Takagi</u>¹, Kei Hotamori¹, Keigo Naito², Mayumi Egusa¹, Yoko Nishizawa³, Shinsuke Ifuku⁴, Akira Mine^{5,6}, Hironori Kaminaka¹ (¹Fac. Agr., Tottori Univ., ²Grad. Sch. Agr., Tottori Univ., ³Inst. Agr. Sci., NARO, ⁴Grad. Sch. Eng., Tottori Univ., ⁵Fac. Life Sci., Ritsumeikan Univ., ⁶JST PRESTO)</p>				14:45
<p>1pE05 E Identification of proliferative cells among protoplast prepared from rice scutellum callus <u>Hanifah Aini</u>, Orika Nakahira, Takashi Okamoto (Dept. of Biol. Sci., Tokyo Metropolitan Univ.)</p>	<p>1pF05 Identification of novel compounds that inhibit SnRK2 kinase activity by high-throughput screening <u>Shoko Matsuoka</u>¹, Karin Sato¹, Riyo Imamura², Yoshiteru Noutoshi³, Takayoshi Okabe², Hirotsugu Kojima², Taishi Umezawa¹ (¹Grad. Sch. BASE, Tokyo Univ. Agric. Tech., ²Drug Discovery Initiative, Tokyo Univ., ³Grad. Sch. Env. Life Sci., Okayama Univ.)</p>	<p>1pG05 E Enhancement of heat and drought tolerance by tomato <i>phytochrome A</i> mutation <u>Islam Abdellatif</u>¹, Shaoze Yuan¹, Na Renhu¹, Kenji Miura^{1,2} (¹Graduate school of Life and Environmental Sciences, University of Tsukuba, Tsukuba, Japan, ²Tsukuba Plant-Innovation Research Center (T-PIRC), University of Tsukuba, Tsukuba, Japan)</p>	<p>1pH05 Callose-dependent phosphate mobilization in phosphate starvation response of <i>Arabidopsis thaliana</i> <u>Kentaro Okada</u>¹, Koei Yachi¹, Tan Anh Nhi Nguyen¹, Tae-Hong Lee¹, Saya Kikuchi², Kazuo Shinozaki², Satomi Kanno³, Miki Fujita², Kei Hiruma^{1,4}, Yusuke Saijo¹ (¹Grad. Sch. Sci. Tech., NAIST, ²RIKEN CSRS, ³IAR, Nagoya Univ., ⁴Grad. Sch. Arts. Sci., Tokyo Univ.)</p>				15:00

E=Presentation in English

● Day 1, Sun., March 14, PM (14:00–16:45)

Time	Room A	Room B	Room C	Room D
	Cell wall	Transcriptional, post-transcriptional or translational, post-translational regulations	Photoreceptors/Photoresponses	Reproductive growth
15:15	<p>1pA06 The β-1,4-Glucanase Gene in the Adhesion of "Grafting" and "Parasitism" <u>Ken-ichi Kurotani</u>¹, Ryo Tabata², Yaichi Kawakatsu¹, Takanori Wakatake^{3,4}, Ken Shirasu^{3,4}, Michitaka Notaguchi^{1,2,5} (¹Bioscience and Biotechnology Center, Nagoya Univ., ²Graduate School of Bioagricultural Sciences, Nagoya University, ³Graduate School of Science, The University of Tokyo, ⁴Center for Sustainable Resource Science, RIKEN, ⁵Institute of Transformative Bio-Molecules, Nagoya University)</p>	<p>1pB06 COP9 signalosome and its interacting partner AtSAP130 both contribute to pollen development in <i>Arabidopsis thaliana</i> Shiori S Aki¹, Kei Yura^{2,3}, Takashi Aoyama¹, Tomohiko Tsuge¹ (¹ICR, Kyoto Univ., ²Fac. Sci. Eng., Waseda Univ., ³Grad. Sch. Hum. Sci., Ochanomizu)</p>	<p>1pC06 Blue light-induced phosphorylation of BEC1 mediates starch degradation and stomatal opening <u>Shota Yamauchi</u>¹, Naoyuki Sugiyama², Ken-ichiro Shimazaki³, Atsushi Takemiya¹ (¹Grad. Sch. Sci. Tech. Innov., Yamaguchi Univ., ²Grad. Sch. Pharm., Kyoto Univ., ³Grad. Sch. Sci., Kyushu Univ.)</p>	<p>1pD06 Functional analysis of a NIMA-related kinase in a liverwort <i>Marchantia polymorpha</i> <u>Aoi Sumiura</u>¹, Asaka Kanda², Taku Takahashi^{1,2}, Hiroyasu Motose^{1,2} (¹Dep. Biol., Fac. Sci., Okayama Univ., ²Dep. Biol. Sci., Grad. Sch. Nat. Sci. & Tech., Okayama Univ.)</p>
15:30	<p>1pA07 Analysis of physiological roles of cell wall-related genes affecting xylem transport <u>Satoshi Endo</u>, Hiroo Fukuda (Grad. Sch. Sci., Univ. Tokyo)</p>	<p>1pB07 The relationship between polyadenylation and C-to-U editing of mitochondrial mRNA in Arabidopsis <u>Akihiro Mamiya</u>¹, Kurataka Otsuka¹, Kayoko Yamamoto¹, Takehito Kobayashi², Yusuke Yagi², Takahiro Nakamura², Takashi Hirayama³, Munetaka Sugiyama¹ (¹Botanical Gardens, Graduate School of Science, The University of Tokyo., ²Department of Bioscience and Biotechnology, Faculty of Agriculture, Kyushu University., ³Institute of Plant Science and Resources, Okayama University.)</p>	<p>1pC07 amiRNA-based screen for novel factors that function in the phototropin-mediated blue light signaling <u>Arisa Mifujii</u>, Haruki Kobayashi, Rio Tomomoto, Atsushi Takemiya (Grad. Sch. Sci. Tech. Innov., Yamaguchi Univ.)</p>	<p>1pD07 ⓑ Genetic dissection of MpFGMYB functions in the sexual differentiation of <i>Marchantia polymorpha</i> <u>Yihui Cui</u>¹, Tatsuaki Goh¹, Tetsuya Hisanaga^{1,2}, Tomoaki Kajiwara³, Yoshihiro Yoshitake³, Takayuki Kohchi³, Keiji Nakajima¹ (¹Grad. Sch. Sci. Tech. NAIST, ²GMI, ³Grad. Sch. Biostudies, Kyoto Univ.)</p>
15:45	<p>1pA08 Changes in cotyledon shape and pavement cell morphology in <i>RIC1</i>-overexpressors <u>Kotomi Kikukawa</u>¹, Takumi Higaki² (¹Faculty of Science, Kumamoto Univ., ²IROAST, Kumamoto Univ.)</p>	<p>1pB08 Plant ribosome-specific stalling unveiled by unfolded protein response <u>Tomoya Imamichi</u>¹, Nao Kusumoto¹, Shugo Sugawara², Seidai Takamatsu¹, Yugo Honda³, Shiori Muraoka³, Hitoshi Onouchi², Satoshi Naito^{1,2}, Yui Yamashita¹ (¹Graduate School of Life Science, Hokkaido University, Japan, ²Graduate School of Agriculture, Hokkaido University, Japan, ³School of Agriculture, Hokkaido University, Japan)</p>	<p>1pC08 Characterization and molecular improvement of compounds that affect light-induced stomatal opening <u>Yusuke Aihara</u>¹, Shigeo Toh², Yosuke Toda^{3,4}, Shinpei Inoue¹, Ayato Sato³, Kei Murakami^{4,5}, Kenichiro Itami^{1,3}, Toshinori Kinoshita^{1,3} (¹Grad. Sch. Sci., Nagoya Univ., ²Grad. Sch. Agr., Meijo Univ., ³WPI-ITbM, Nagoya Univ., ⁴PRESTO, JST, ⁵Grad. Sch. Sci. Tech., Kwansai Gakuin Univ.)</p>	<p>1pD08 Gibberellin-mediated feedback regulation of sexual organ formation in the liverwort <i>Marchantia polymorpha</i> <u>Shogo Kawamura</u>, Rui Sun, Ran Wang, Yoshihiro Yoshitake, Ryunosuke Kusunoki, Ryuichi Nishihama, Shohei Yamaoka, Takayuki Kohchi (Grad. Sch. Biostudies., Kyoto Univ.)</p>
16:00	<p>1pA09 ROS and Ca²⁺-mediated regulation of polar tip growth of rhizoids and the mechanical properties of the cell wall in <i>Marchantia polymorpha</i> <u>Kenji Hashimoto</u>¹, Naoaki Abe¹, Mariko Higashijima¹, Takeru Itabashi¹, Toshinori Morisaku², Hiroharu Yui², Kazuyuki Kuchitsu¹ (¹Dept. of Appl. Biol. Sci., Tokyo University of Science, ²Dept. of Chem., Tokyo University of Science)</p>	<p>1pB09 Sucrose-induced ribosome stalling and mRNA degradation in Arabidopsis <u>Shugo Sugawara</u>¹, Tomoya Imamichi², Yugo Honda³, Hitoshi Onouchi¹, Satoshi Naito^{1,2}, Yui Yamashita¹ (¹Grad. Sch. Agri., Hokkaido Univ., ²Grad. Sch. Life Sci., Hokkaido Univ., ³Sch. Agri., Hokkaido Univ.)</p>	<p>1pC09 Functional characterization of novel compounds that affect signaling pathway in stomatal opening <u>Gwangchol Sin</u>¹, Yusuke Aihara¹, Shigeo Toh², Shinpei Inoue¹, Ayato Sato², Toshinori Kinoshita^{1,3} (¹Grad. Sch. Sci., Nagoya Univ., ²Dept. Agr. Resour. Sch., Meijo Univ., ³WPI-ITbM, Nagoya Univ.)</p>	
16:15	<p>1pA10 ⓑ Cellular and subcellular localization of haustorium inducing signals in the haustorium of the parasitic plant <i>Striga hermonthica</i> <u>Sonkui Cui</u>¹, Yuri Takeda², Toshiaki Umezawa^{2,3}, Yuki Tobimatsu², Satoko Yoshida¹ (¹Plant Symb., Div. Bio. Sic., NAIST, ²Res. Ins. Sust. Hum., Kyo. Univ., ³Res. Uni. Dev. Glob. Sus., Kyo. Univ.)</p>	<p>1pB10 Genome-wide identification of evolutionarily conserved non-AUG uORFs involved in translational control in plants <u>Yuta Hiragori</u>¹, Hiro Takahashi², Noriya Hayashi¹, Shun Sasaki¹, Yui Yamashita¹, Satoshi Naito^{1,3}, Hitoshi Onouchi¹ (¹Grad. Sch. of Agr., Hokkaido Univ., ²Grad. Sch. of Med. Sci., Kanazawa Univ., ³Grad. Sch. of Life Sci., Hokkaido Univ.)</p>		

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Vegetative growth	Plant hormones/Signaling molecules	Environmental responses B	Plant-organism interaction A				
<p>1pE06 Molecular mechanism of plant callus formation accelerated by FPX and promoter of plant growth (PPG) <u>Kotomi Maekawa</u>¹, Shota Tanaka^{2,3}, Shun Takeno^{2,3}, Ayumi Yamagami^{1,2}, Yusuke Kakei⁴, Yukihisa Shimada⁴, Yoshimitsu Kondou², Naoshi Douzen², Setsuko Shimada², Minami Matsui², Tetsuo Kushi³, Naoyuki Osada², Tadao Asami⁵, Kazuo Shinozaki², Takeshi Nakano^{1,2} (¹Grad. Sch. Biostudies., Kyoto Univ., ²RIKEN CSRS, ³Dept. Agri., Meiji Univ., ⁴Yokohama City Univ., ⁵Grad. Sch. Agri. Life Sci., University of Tokyo)</p>	<p>1pF06 E Involvement of secondary metabolic pathway for root-cut response in <i>Arabidopsis thaliana</i> <u>Kang Xu</u>¹, Feiyang Lin², Emi Yumoto³, Masashi Asahina³, Masaaki Watahiki^{1,2} (¹Grad. Sch. Life., Univ. Hokkaido, ²Div. Sci., Fac. Sci., Univ. Hokkaido, ³Dept. Biosci., Univ. Teikyo)</p>	<p>1pG06 E <i>Brachypodium</i> BdABC25 is a homolog of <i>Arabidopsis</i> AtABC25 involved in the transport of abscisic acid <u>Takashi Kuromori</u>, Eriko Sugimoto, Kazuo Shinozaki (RIKEN CSRS)</p>	<p>1pH06 E Tryptophan-derived metabolites suppress fungal pathogenesis during beneficial fungal interactions in <i>Arabidopsis thaliana</i> <u>Hong Ye</u>¹, Shigetaka Yasuda¹, Kazuki Tsurukawa¹, Semba Kazuhiko², Mutsumi Watanabe¹, Keisuke Tanaka³, Teruaki Taji⁴, Takayuki Tohge¹, Yoshiaki Nakao², Kei Hiruma^{1,5}, Yusuke Saijo¹ (¹Grad. Sch. Sci. Tech., NAIST, ²Grad. Sch. Eng., Kyoto Univ., ³NODAI Genome Research Center, Tokyo Univ. Agric., ⁴Dept. Biosci., Tokyo Univ. Agric., ⁵Grad. Sch. Arts and Sci., Univ. Tokyo)</p>	Symposium S03 Frontiers of Plant Genome Editing to shape the future with new technologies (14:00–17:00)	Symposium S04 Re-optimization of Energy Transduction in Photosynthesis – Structure, Function and System (14:00–16:45)	Symposium S05 Mineral element transport systems in plants: transporters, regulation and utilization (14:00–17:10)	15:15
<p>1pE07 Biochemical Analysis of Stemness-Related Proteins in Arabidopsis <u>Ryuji Tsugeki</u>¹, Hitoshi Mori² (¹Grad. Sch. Sci., Kyoto Univ., ²Grad. Sch. Agric. Sci., Nagoya Univ.)</p>	<p>1pF07 Identification of a novel gene involved in cytokinin riboside metabolism in rice <u>Mikiko Kojima</u>^{1,2}, Nobue Makita¹, Tsuyu Ando^{3,4}, Ayahiko Syoumura^{3,4}, Toshio Yamamoto^{3,5}, Hitoshi Sakakibara^{1,2} (¹CSRS, RIKEN, ²Grad. Sch. Bio. Sci., Nagoya Univ., ³STAFF Institute, ⁴NARO, ⁵Inst. Plant. Sci. Resources., Okayama Univ.)</p>	<p>1pG07 The effect of MYB transcription factors regulating cuticle accumulation on water use efficiency <u>Yoshimi Oshima</u>^{1,2}, Kaoru Urano³, Miki Fujita³, Frederic Domergue⁴, Kazuo Shinozaki³, Nobutaka Mitsuda¹ (¹Bioprod. Res. Inst., Natl. Adv. Ind. Sci. & Tech. (AIST), ²PREST, JST, ³CSRS, RIKEN, ⁴Bordeaux Univ.)</p>	<p>1pH07 A chemical defense strategy of Brassicaceae plants reduces the feeding motivation of blowflies through their olfactory and gustatory systems <u>Junpei Takagi</u>¹, Somare Mizuh², Tatsuya Uebi³, Tadashi Kunieda⁴, Toru Maeda⁵, Shunya Habe⁶, Kenji Yamada⁵, Mamiko Ozaki⁷, Ikuko Hara-Nishimura² (¹Fac. Sci. and Grad. Sch. Life Sci., Hokkaido Univ., ²Fac. Sci. and Eng., Konan Univ., ³Nara Women's Univ., Inst. Yamato Area and Kii Pen., ⁴Grad. Sch. Biol. Sci., NAIST, ⁵Malopolska Centre of Biotechnol., Jagiellonian Univ., ⁶Dept. Bioreour. Fld. Sci., Kyoto Inst. of Technol., ⁷RISH, Kyoto Univ.)</p>				15:30
<p>1pE08 Cell polarity establishment and maintenance by PIN cluster formation in Arabidopsis <u>Shimane Naramoto</u>¹, Masahiko Furutani², Hiroo Fukuda³, Junko Kyoizuka⁴, Tomomichi Fujita¹ (¹Dept. Biol. Sci., Univ. Hokkaido, ²Col. Life Sci., Fujian Agriculture and Forestry Univ., ³Dept. Biol. Sci., Grad. Sch. Sci., Univ. Tokyo, ⁴Grad. Sch. Life Sci., Tohoku Univ.)</p>	<p>1pF08 Contribution of indole-3-butyric acid uptake mediated by Arabidopsis NPF7.3/NRT1.5 to the creation of uneven auxin distribution in Arabidopsis roots <u>Shunsuke Watanabe</u>¹, Naoki Takahashi², Yuri Kanno¹, Hiromi Suzuki¹, Yuki Aoi³, Noriko Takeda-Kamiya¹, Kiminori Toyooka¹, Hiroyuki Kasahara^{1,4}, Ken-ichiro Hayashi⁵, Masaaki Umeda², Mitsunori Seo¹ (¹RIKEN CSRS, ²Grad. Sch. Sci. Tech., NAIST, ³Grad. Sch. Agric., Tokyo Univ. Agric. Tech., ⁴GIR, Tokyo Univ. Agric. Tech., ⁵Dep. Biochem., Okayama Univ. Sci.)</p>	<p>1pG08 Analyses of transcriptional regulation of cuticular wax accumulation in response to dehydration <u>Kaoru Urano</u>¹, Kyonoshin Maruyama², Yoshimi Oshima^{3,4}, Shingo Sakamoto³, Toshiki Ishikawa⁵, Maki Kawai-Yamada⁵, Mayuko Sato¹, Kiminori Toyooka¹, Kazuko Yamaguchi-Shinozaki^{6,7}, Kazuo Shinozaki¹ (¹CSRS, RIKEN, ²Bio. Res. Div., JIRCAS, ³Bio. Res. Inst., AIST, ⁴PREST, JST, ⁵Grad. Sch. Sci. Eng., Saitama Univ., ⁶Grad. Sch. Agri. Life Sci., Univ. Tokyo, ⁷Res. Inst. Agri. Life Sci., Tokyo Univ. of Agri.)</p>	<p>1pH08 Wide-field imaging of calcium signals triggered by green leaf volatile in Arabidopsis <u>Takuva Uemura</u>, Yuri Aratani, Masatsugu Toyota (Grad. Sch. Sci., Univ. Saitama)</p>				15:45
<p>1pE09 E Role of a conserved tyrosine residue of the MAB4 family proteins in Arabidopsis halotropism <u>Xiaomin Song</u>^{1,2}, Yi Yang^{1,2}, Song Sun², Masahiko Furutani^{1,2} (¹Coll. Life Sci., FAFU, ²HIST, FAFU)</p>	<p>1pF09 Identification of genes involved in auxin and temperature interaction in roots using GWAS <u>Takehiko Ogura</u>, Wolfgang Busch (Salk Institute)</p>	<p>1pG09 Correlation of expression of OsPIP2;4, rice aquaporin, with root water permeability (<i>Lp</i>) <u>Aya Ohnishi</u>, Maki Katsuhara (IPSR • Univ. Okayama)</p>	<p>1pH09 E Spatiotemporal dynamics of the salicylic acid and jasmonic acid responsive genes in immune and wound responses <u>Shigeyuki Betsuyaku</u>¹, Eriko Betsuyaku¹, Shunsuke Masuo², Natsumi Mori-Moriyama³, Atsushi J. Nagano¹ (¹Fac. Agr., Ryukoku Univ., ²Fac. Life & Env. Sci., Univ. Tsukuba, ³Research Inst. Food & Agr., Ryukoku Univ.)</p>				16:00
<p>1pE10 E Functional analysis of the conserved domains of a NPH3-like protein, MAB4 <u>Yi Yang</u>^{1,2}, Xiaomin Song^{1,2}, Song Sun², Mengyuan Lu^{1,2}, Tianyi Tan^{1,2}, Masahiko Furutani^{1,2} (¹Coll. Life Sci., FAFU, ²HIST, FAFU)</p>	<p>1pF10 A chemical screening of auxin by using Auxin Inducible Degron cell lines <u>Yoshino Fukuhara</u>¹, Yuki Nakashima², Naoya Kadofusa³, Ayato Sato³, Naoyuki Uchida², Keisuke Obara¹, Takumi Kamura¹, Kohei Nishimura¹ (¹Grad. Sch. Sci., Nagoya Univ., ²Center for Gene Research, Nagoya Univ., ³WPI-ITbM, Nagoya Univ.)</p>		<p>1pH10 RNA-seq analysis of <i>sar8.2m</i> knockout <i>Nicotiana benthamiana</i> inoculated with <i>Phytophthora infestans</i> <u>Sayaka Imano</u>¹, Yohei Kondou¹, Yusuke Shibata¹, Takamasa Suzuki², Aiko Tanaka¹, Ikuro Sato¹, Sotaro Chiba¹, Koji Kageyama³, Kazuhito Kawakita¹, Daigo Takemoto¹ (¹Grad. Sch. Bioagri. Sci., Nagoya Univ., ²College Biosci. Biotech., Chubu Univ., ³River Basin Res. Ctr., Gifu Univ.)</p>	16:15			

E=Presentation in English


● Day 1, Sun., March 14, PM (14:00–16:45)

Time	Room A	Room B	Room C	Room D
	Cell wall	Transcriptional, post-transcriptional or translational, post-translational regulations	Photoreceptors/Photoresponses	Reproductive growth
16:30		<p>1pB11 Analysis of effect of mutations occurred in ALSRKb on the SI activity and protein biosynthesis <u>Masaya Yamamoto</u>¹, Shotaro Ohtake¹, Akihisa Sinosawa⁴, Matsuyuki Shiota², Yuki Mitsui³, Hiroyasu Kitashiba¹ (¹Grad. Sch. of Agri., Tohoku Univ., ²Grad. Sch. of Med., Tohoku Univ., ³Grad. Sch. of Agri., Tokyo Univ. of Agri., ⁴NODAI Genome Research Center, Tokyo Univ. of Agri.)</p>		

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Vegetative growth	Plant hormones/Signaling molecules	Environmental responses B	Plant-organism interaction A				
<p>IpE11 E Reconsideration of the function of a Ser/Thr kinase PINOID in polar auxin transport Qiuli Wang^{1,2}, Masahiko Furutani^{1,2} (¹Coll. Life Sci., FAFU, ²HIST, FAFU)</p>							16:30

E=Presentation in English

● Day 2, Mon., March 15, AM (9:00–12:00)

Time	Room A	Room B	Room C	Room D
	Secondary (specialized) metabolism	Cell cycle/Cell division	Photoreceptors/Photoresponses	Systems biology
09:00	<p>2aA01 Novel transcription factors linked to change of (iso)flavonoid metabolism Kai Uchida, Jun Inaba, Muneo Sato, Masami Yokota Hirai (RIKEN CSRS)</p>	<p>2aB01 Dissection of plant mitosis by tracking single cell metabolite changes of BY-2 cell Okubo-Kurihara Emiko¹, Ahmed Ali^{2,3}, Mika Hiramoto^{1,6}, Yukio Kurihara¹, Abouleila Yasmine^{2,3}, Takayuki Kawai², Yoko Makita¹, Mika Kawashima¹, Hiroaki Shimada⁶, Takumi Higaki⁴, Seiichiro Hasezawa⁵, Minami Matsui¹ (¹RIKEN, CSRS, ²RIKEN, BDR, ³Leiden University, LACDR, ⁴Kumamoto University, IROAST, ⁵Hosei University, ⁶Tokyo University of Science)</p>	<p>2aC01 Identification of key amino acid sequences required for chloroplast translocation of CPD photolyase Momo Otake, Chiharu Komatsu, Mamoru Hara, Mika Teranishi, Kaoru Yoshiyama (Okamoto), Jun Hidema (Grad. Life. Sci., Tohoku Univ.)</p>	<p>2aD01 Allohexaploid wheat 10+ genomes project and de novo genome assembly of the Japanese wheat cultivar Norin 61: functional variation in flowering time and <i>Fusarium</i> resistance genes Kentaro K. Shimizu^{1,2}, Dario Copetti^{2,3}, Moeko Okada², Thomas Wicker⁴, Toshiaki Tameshige^{1,5}, Masaomi Hatakeyama^{2,6}, Rie Shimizu-Inatsugi², Tim Paape², Gwyneth Halstead-Nussloch², Catharine Aquino⁶, Kazusa Nishimura⁷, Fuminori Kobayashi⁸, Kazuki Murata⁹, Kuo Tony^{10,11}, Emily Delorean¹², Jesse Poland¹², Georg Haberer¹³, Manuel Spannagl¹³, Klaus F. X. Mayer^{13,14}, Juan Gutierrez-Gonzalez¹⁵, Gary J. Muehlbauer¹⁵, Cecile Monat¹⁶, Axel Himmelbach¹⁶, Sudharsan Padmarasu¹⁶, Martin Mascher¹⁶, Sean Walkowiak^{17,18}, Tetsuya Nakazaki¹⁷, Tomohiro Ban¹, Kanako Kawaura¹, Hiroyuki Tsuji¹, Curtis Pozniak¹⁷, Nils Stein^{16,19}, Jun Sese^{9,20}, Shuhei Nasuda⁹, Hirokazu Handa^{8,21} (¹Kihara Institute for Biological Research, Yokohama City University, ²University of Zurich, Department of Evolutionary Biology and Environmental Studies, ³Molecular Plant Breeding, ETH Zurich, ⁴University of Zurich, Department of Plant and Microbial Biology, ⁵Niigata University, Faculty of Science, ⁶Functional Genomics Center Zurich, ⁷Graduate School of Agriculture, Kyoto University, Kizugawa, ⁸Institute of Crop Science, NARO, ⁹Graduate School of Agriculture, Kyoto University, Kyoto, ¹⁰National Institute of Advanced Industrial Science and Technology, ¹¹University of Guelph, Centre for Biodiversity Genomics, Guelph, ¹²Kansas State University, Department of Plant Pathology, ¹³Helmholtz Zentrum München, ¹⁴School of Life Sciences, Technical University Munich, ¹⁵University of Minnesota, Department of Agronomy and Plant Genetics, ¹⁶Leibniz Institute of Plant Genetics and Crop Plant Research, ¹⁷University of Saskatchewan, Crop Development Centre, Saskatoon, ¹⁸Canadian Grain Commission, Grain Research Laboratory, ¹⁹Department of Crop Science, Center of integrated Breeding Research, ²⁰Humanome Lab., ²¹Graduate School of Life and Environmental Sciences, Kyoto Prefectural University)</p>
09:15	<p>2aA02 Elucidation Of Precise Interaction Mode Of The Natural Rubber Biosynthetic Machinery Proteins In <i>Hevea brasiliensis</i> Nadia Nur Shazana Binti Abu Talib Khan¹, Makoto Yamaguchi¹, Koji Kojima¹, Miki Hiromori¹, Toshiyuki Waki¹, Satoshi Yamashita², Yuzuru Tozawa³, Haruhiko Yamaguchi⁴, Yukino Miyagi⁴, Toru Nakayama¹, Seiji Takahashi¹ (¹Grad. Sch. Eng., Univ. Tohoku, ²Grad. Sch. Natural Sci., Tech., Univ. Kanazawa, ³Grad. Sch. Sci. Eng., Univ. Saitama, ⁴Sumitomo Rubber Ind., Ltd.)</p>	<p>2aB02 Rice RNA binding protein MEL2 regulates mitosis-meiosis transition as a constituent of cytoplasmic RNA granules Manaki Mimura¹, Seijiro Ono¹, Ken-Ichi Nonomura^{1,2} (¹National Institute of Genetics, Plant Cytogenetics Lab, ²Grad. Univ. Adv. Sids. (SOKENDAI))</p>	<p>2aC02 The functions of two UVB photoreceptors UVR8 and their role in the mechanism of UVB resistance in rice Hanako Miura, Mika Teranishi, Jun Hidema (Grad. Life. Sci., Tohoku Univ.)</p>	<p>2aD02 Genome analysis of two rice core collections, the WRC and JRC for association studies Nobuhiro Tanaka¹, Matthew Shenton¹, Yoshihiro Kawahara¹, Masao Ishimoto¹, Kaworu Ebana² (¹Ins. of Crop Sci., NARO, ²Genetic Resources Center, NARO)</p>
09:30	<p>2aA03 A dirigent protein AtDPI1 and a laccase AtLAC5 responsible for biosynthesis of neolignans in Arabidopsis seed coats Keiko Yonekura-Sakakibara¹, Masaomi Yamamura², Fumio Matsuda³, Eiichiro Ono⁴, Ryo Nakabayashi¹, Satoko Sugawara¹, Tetsuya Mori¹, Yuki Tobimatsu², Toshiaki Umezawa^{2,5}, Kazuki Saito^{1,6} (¹RIKEN CSRS, ²RISH, Kyoto Univ., ³Grad. Sch. Info. Sci. Tech., Osaka Univ., ⁴Suntory Global Innovation Center Ltd., ⁵RUDGS, Kyoto Univ., ⁶Plant Molecular Science Center, Chiba Univ.)</p>	<p>2aB03 Domain swap or convergent evolution - the riddle of the elusive plant Survivin Shinichiro Komaki¹, Maren Hesse², Takashi Hashimoto¹, Arp Schnittger² (¹Grad. Sch. Biol. Sci., NAIST, ²Univ. Hamburg)</p>	<p>2aC03  AT-hook transcription factors promote photomorphogenesis by antagonizing the PHYTOCHROME INTERACTING FACTORS David Favero¹, Ayako Kawamura¹, Arika Takebayashi¹, Akira Iwase¹, Keiko Sugimoto^{1,2} (¹RIKEN Cent. Sust. Res. Sci., ²Dep. Biol. Sci., Univ. Tokyo)</p>	<p>2aD03 Comparative genome/transcriptome analysis under low temperature conditions at the germination stage of rice Kyonoshin Maruyama¹, Hiroaki Sakai², Mio Shibuta K.³, Sachihito Matsunaga³ (¹JIRCAS, ²NARO, ³Dept. Integr. Biosci., Grad. Sch. Frontier Sci., Univ. Tokyo)</p>

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Vegetative growth	Plant hormones/Signaling molecules	Environmental responses B	Plant-organism interaction B				
<p>2aE01 Functional analysis of a rice transcription factor OsPIL7 involved in leaf rolling Daisuke Todaka¹, Takayuki Hashimoto¹, Kazuo Shinozaki², Kazuko Yamaguchi-Shinozaki^{1,3} (1Grad. Sch. Agr. Life Sci., Univ. Tokyo, 2Center for Sustainable Resource Science, RIKEN, 3Res. Inst. Agr. Life Sci., Tokyo Univ. Agr.)</p>	<p>2aF01 Identification of a gibberellin agonist by a cell-free based drug screening system Akira Nozawa¹, Ryosuke Hori¹, Chihiro Muramatsu¹, Keiichiro Nemoto², Tatsuya Sawasaki¹ (1PROS, Ehime Univ., 2Iwate Biotechnology Research Center)</p>	<p>2aG01 Dissecting The Salt-tolerance Mechanism of a Salt-shock Tolerant <i>Arabidopsis thaliana</i> Kaori Uchiyama, Yu Ito, Izumi Yotsui, Yoichi Sakata, Teruaki Taji (Dept. of Bioscience, Tokyo Univ. of Agriculture)</p>	<p>2aH01 E Feeding Behavior of Golden Apple Snail on Rice and Subsequent Rice Defense Response Mafrikhul Muttaqin^{1,2}, Songkui Cui¹, Satoko Yoshida¹ (1Plant Symbiosis Laboratory, Graduate School of Science and Technology, Nara Institute of Science and Technology, Ikoma, Nara 630-0192, Japan, 2Department of Biology, Faculty of Mathematics and Natural Sciences, Bogor Agricultural University (IPB University), Bogor, 16680, Indonesia)</p>	Symposium S06 Frontiers in plant redox biology: Redox regulation, oxidative stress and signaling (9:00–12:00)	Symposium S07 A new perspective for Integrated Bio-metal Science (9:00–12:05)	Symposium S08 Past and future of plant RNA research answering fundamental questions (9:00–11:55)	09:00
<p>2aE02 Roles of nucleolar proteins and epigenetic regulator AS2 in leaf development of <i>Arabidopsis thaliana</i> Chiyoko Machida¹, Hiro Takahashi², Tetsunori Hibino¹, Sayuri Ando¹, Hidekazu Iwakawa¹, Mika Nomoto³, Masaomi Tada³, Munetaka Sugiyama⁴, Shoko Kojima⁴, Yasunori Machida³ (1Grad. Sch. of Biosci. & Biotech., Chubu Univ., 2Grad. Sch. of Medical Sci., Kanazawa Univ., 3Dev. of Biol. Sci., Grad. Sch. of Sci., Nagoya Univ., 4Grad. Sch. of Sci., Univ. of Tokyo)</p>	<p>2aF02 The regulation of phase transition in rice internode Keisuke Nagai¹, Yoshinao Mori¹, Shin Ishikawa¹, Rico Gamuyao¹, Yoko Niimi¹, Tokunori Hobo¹, Moyuri Fukuda¹, Hitoshi Sakakibara^{1,5}, Tomonori Furuta², Hiroshi Hisano², Hirokazu Sato², Takashi Akagi², Aya Yoshida³, Hiroyuki Tsuji³, Yutaka Sato⁴, Mikiko Kojima⁵, Yumiko Takebayashi⁵, Atsushi Fukushima⁵, Yasuyo Himuro⁵, Masatomo Kobayashi⁵, Jianzhong Wu⁶, Wataru Ackley⁶ (1Biosci. Biotech. Cent., Nagoya Univ., 2Okayama Univ., 3Yokohama City Univ., 4NIG, 5Riken, 6NARO)</p>	<p>2aG02 Genetical Analyses of <i>Acquired Osmotolerance Defective2 (aod2)</i> Mutant Norika Fukuda¹, Takashi Koyama¹, Hirotaka Ariga², Keisuke Tanaka³, Izumi Yotsui¹, Yoichi Sakata¹, Teruaki Taji¹ (1Dept. of Bioscience, Tokyo Univ. of Agriculture, 2NARO Advanced Analysis Center, 3NODAI Genome Research Center)</p>	<p>2aH02 Comparative transcriptome analyses between chloroplast-like organelle of the thecate amoeba <i>Paulinella micropora</i> and some cyanobacterial species presumed as its symbiotic origin Mitsuhiro Matsuo¹, Hiroko Uchida², Makoto Tachikawa³, Akio Murakami², Junichi Obokata¹ (1Fac. Agri., Setsunan Univ., 2KURCIS., Kobe Univ., 3Grad. Sch. Life Env. Sci., Kyoto Prefect. Univ.)</p>				09:15
<p>2aE03 Expression pattern of SCARECROW during leaf development in <i>C₄ Flaveria bidentis</i> Yuri Munekage¹, Mei Osawa¹, Yukimi Taniguchi¹, Tammy Sage² (1Sch. Sci. Tech., Kwansai Gakuin Univ., 2Dep. Eco. Evo. Bio., Univ. Toronto)</p>	<p>2aF03 Studies on the gibberellin deactivation pathway catalyzed by EUI and EUI2 in rice Toshiaki Ishida¹, Shoko Fudano², Yingying Zhang³, Hongbo Zhu⁴, Shubiao Zhang⁴, Zuhua He³, Yoshiya Seto⁵, Kiyoshi Mashiguchi¹, Shinjiro Yamaguchi¹ (1ICR, Kyoto Univ., 2Grad. Sch. Life Sci., Tohoku Univ., 3Chinese Academy of Sciences, 4Fujian Agric. & Forestry Univ., 5Dep. Agric. Chem., Meiji Univ.)</p>	<p>2aG03 Mutation in <i>CATION CALCIUM EXCHANGER4</i> Impairs the Osmotolerance by Detrimental Autoimmunity via NPR1 Kazuki Kanamori¹, Takashi Koyama¹, Hirotaka Ariga², Keisuke Tanaka³, Izumi Yotsui¹, Yoichi Sakata¹, Teruaki Taji¹ (1Tokyo Univ. of Agriculture Dept. of Bioscience, 2NARO Advanced Analysis Center, 3NODAI Genome Research Center)</p>	<p>2aH03 Effect of plant hormones on the differentiation of searching hyphae of a stem parasitic plant, <i>Cuscuta campestris</i>, into vascular elements Yusuke Takagaki, Koh Aoki (Grad. Sch. Life and Env. Sci., Osaka Pref. Univ.)</p>				09:30

E=Presentation in English

● Day 2, Mon., March 15, AM (9:00–12:00)

Time	Room A	Room B	Room C	Room D
	Secondary (specialized) metabolism	Cell cycle/Cell division	Photoreceptors/Photoresponses	Systems biology
09:45	<p>2aA04 Analysis of the Indoxyl-Biosynthetic Ability of a Flavin-Containing monooxygenase from <i>Polygonum tinctorium</i>, One of the Indigo-Producing Plants <u>Shintaro Inoue</u>, Rihito Morita, Yoshiko Minami (Dept. of Biochem., Faculty of Sci., Okayama Univ. of Sci.)</p>	<p>2aB04 DNA Damage Response in <i>M. polymorpha</i> <u>Kaoru Yoshimura (Okamoto)</u>¹, Tomoaki Sakamoto², Seisuke Kimura², Jun Hidema¹ (¹Tohoku Univ, Life Sciences, ²Kyoto Sangyo Univ. Life Sciences)</p>	<p>2aC04 Analysis of E3 ubiquitin ligase Cul4 complex involved in light signal transduction in a primitive red alga <i>Cyanidioschyzon merolae</i> <u>Yuki Kobayashi</u>¹, Miyako Kitagawa^{1,2}, Toko Yoshikawa^{1,2}, Hikaru Ohara³, Mitsumasa Hanaoka³, Sousuke Imamura⁴, Kan Tanaka¹ (¹Laboratory for Chemistry and Life Science, Institute of Innovative Science, Tokyo Institute of Technology, ²School of Life Science and Technology, Tokyo Institute of Technology, ³Graduate School of Horticulture, Chiba University)</p>	<p>2aD04 Prediction of leaf photosynthetic rate in field-grown rice by comprehensive measurement and predicted transcriptome profile <u>Satoshi Ohkubo</u>¹, Sotaro Honda², Makoto Kashima³, Nan Su San¹, Anothai Nakkasame¹, Hiroki Saito⁴, Taiichiro Ookawa¹, Atsushi J. Nagano⁵, Shunsuke Adachi⁶ (¹Grad. Sch. Agr., Tokyo Univ. Agr. Tech., ²Grad. Sch. Agr. Life Sci., Univ. Tokyo, ³Col. Sci. Eng., Aoyama Gakuin Univ., ⁴JIRCAS, ⁵Fac. Agr., Ryukoku Univ., ⁶Col. Agr., Ibaraki Univ.)</p>
10:00	<p>2aA05 Identification of glycosyltransferase enzymes involved in biosynthesis of phenylethanoid glycoside by using sesame cell culture <u>Yushiro Fuji</u>^{1,4}, Hiroshi Matsufuji², Tomoyoshi Akashi³, Masami Yokota Hirai⁴ (¹College of Bioresource Sciences, Nihon University, ²Department of Food Bioscience and Biotechnology, College of Bioresource Sciences, Nihon University, ³Department of Applied Biological Science, College of Bioresource Sciences, Nihon University, ⁴RIKEN Center for Sustainable Resource Science)</p>	<p>2aB05 Stem cell replenishment in <i>Arabidopsis</i> roots under DNA stress <u>Kazuki Suita</u>, Naoki Takahashi, Masaaki Umeda (Grad. Sch. Sci. Tech., NAIST)</p>	<p>2aC05 Structural basis of the red-absorbing state of cyanobacteriochrome ReaE that regulates complementary chromatic acclimation in cyanobacteria Takayuki Nagae¹, Masashi Unno², Taiki Koizumi³, Yohei Miyanoiri⁴, Tomotsumi Fujisawa⁵, Kento Masui⁶, Takanari Kamo⁶, Kei Wada⁵, Toshihiko Eki⁶, Yutaka Ito³, Masaki Mishima³, <u>Yuu Hirose</u>⁶ (¹Nagoya Univ., ²Saga Univ., ³Tokyo City Univ., ⁴Osaka Univ., ⁵Miyazaki Univ., ⁶Toyohashi Univ. of Tech.)</p>	<p>2aD05 From Seed to Data: Clearance of Bottlenecks for Ultra-high-throughput Transcriptomics of <i>Arabidopsis</i> Seedlings <u>Nagano Atsushi</u>^{1,2}, Yasuyuki Nomura³, Natsumi Mori-Moriyama³, Yuko Kurita³, Makoto Kashima^{3,4}, Shigeyuki Betsuyaku¹ (¹Fac. Agr., Ryukoku Univ., ²IAB, Keio Univ., ³Res. Inst. Food Agr., Ryukoku Univ., ⁴Coll. Sci. Eng., Aoyama Gakuin Univ.)</p>
10:15	<p>2aA06 ③ Cross-species fruitomics to elucidate biosynthetic structure and metabolic regulation of fruit polyphenolics in the Solanaceous species <u>Carla Lenore Ferrolino Calumpang</u>, Tomoki Saigo, Mutsumi Watanabe, Takayuki Tohge (Plant Secondary Metabolism, Nara Institute of Science and Technology)</p>	<p>2aB06 ③ SOG1 homologues regulate DNA-damage responses in <i>Physcomitrella patens</i> <u>Ayako Sakamoto</u>¹, Tomoaki Sakamoto³, Yuichiro Yokota¹, Mika Teranishi², Seisuke Kimura³ (¹Department of Radiation-Applied Biology, QST, ²Faculty of Life Sciences, Kyoto Sangyo University, ³Graduate School of Life Sciences, Tohoku University)</p>	<p>2aC06 Pressurised liquid extraction of the isotopically labeled phycoerythrin and its <i>in vitro</i> reconstitution with a cyanobacteriochrome-class photosensor <u>Takanari Kamo</u>, Toshihiko Eki, Yuu Hirose (Toyohashi Univ. of Tech.)</p>	<p>2aD06 Exploration of Gene Expression Latent Space in Higher Plants by using Generative Models <u>Yuichi Aoki</u>^{1,2}, Takeshi Obayashi² (¹ToMMo, Tohoku Univ., ²Grad. Sch. Info. Sci., Tohoku Univ.)</p>
10:30	<p>2aA07 ③ Identification of key amino acid residues for catalytic activity and substrate specificity of CYP716A subfamily in site-specific oxidation of triterpenoid <u>Jutapat Romsuk</u>¹, Shuhei Yasumoto¹, Hikaru Seki¹, Ery Odette Fukushima^{1,2}, Toshiya Muranaka¹ (¹Department of Biotechnology, Graduate School of Engineering, Osaka University, ²Universidad Regional Amazónica IKIAM, Ecuador)</p>	<p>Others</p>		
		<p>2aB07 Detection of DNA damage from radiation by <i>Arabidopsis</i> callus harboring an alternative β-glucuronidase reporter gene in field of Fukushima <u>Shinya Takahashi</u>¹, Masanori Tamaoki² (¹Univ. Tsukuba, ²Natl. Inst. Env. Stud.)</p>		<p>2aD07 ③ ATTED-II v10.2: a Plant Coexpression Database Providing Logit Score of Ensemble Mutual Rank as Coexpression Index to Enhance Usability for Genome-Wide Analyses <u>Takeshi Obayashi</u>¹, Yuichi Aoki² (¹Grad. Sch. Info. Sci., Tohoku Univ., ²ToMMo, Tohoku Univ.)</p>

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Vegetative growth	Plant hormones/Signaling molecules	Environmental responses B	Plant-organism interaction B				
<p>2aE04 CYP78A isoforms and AMP1 regulate the plastochron and leaf senescence in non-cell autonomous/organ-specific manners in Arabidopsis <u>Takashi Nobusawa</u>, Makoto Kusaba (Hiroshima Univ.)</p>	<p>2aF04 Evolution and function analysis of rice GA 3-oxidase 1 <u>Kyosuke Kawai</u>¹, Toru Kashio¹, Minami Morii¹, Sayaka Takehara¹, Akihiko Sugihara¹, Hisako Yoshimura¹, Aya Ito¹, Masako Hattori¹, Yosuke Toda^{2,3}, Mikiko Kojima⁴, Yumiko Takebayashi⁴, Hiroyasu Furumi⁵, Ken-Ichi Nonomura⁶, Takashi Akagi⁷, Hitoshi Sakakibara^{4,8}, Hidemi Kitano¹, Makoto Matsuoka¹, Miyako Ueguchi-Tanaka¹ (¹Biosci. and Biotech. Cen., Nagoya Univ., ²Japan Sci. and Technol. Agency (JST), ³Ins. of Transformativ Bio-Molecules (WPI-ITbM), Nagoya Univ., ⁴RIKEN Ctr. for Sustainable Resource Sci., ⁵Experimental Farm, Nat. Ins. of Genetics, ⁶Plant Cytogenetics Lab., Natl. Inst. of Genetics, ⁷Grad. Sch. of Env. and Life Sci. Okayama Univ., ⁸Grad. Sch. of Bioagricultural Sci., Nagoya Univ.)</p>	<p>2aG04 Transcriptome analysis of the hierarchical response of histone deacetylase proteins that respond in an antagonistic manner to salinity stress <u>Minoru Ueda</u>^{1,2}, Akihiro Matsui^{1,2}, Shunsuke Watanabe³, Makoto Kobayashi⁴, Kazuki Saito⁴, Maho Tanaka^{1,2}, Junko Ishida^{1,2}, Miyako Kusano^{4,5}, Mitsunori Seo³, Motoaki Seki^{1,2,6} (¹Plant Genomic Network Research Team, RIKEN CSRS, ²Plant Epigenome Regulation Lab., RIKEN CPR, ³Dormancy and Adaptation Research Unit, RIKEN CSRS, ⁴Metabolomics Research Group, RIKEN CSRS, ⁵Grad. Sch. Life Environ. Sci., Univ. Tsukuba, ⁶Kihara Inst., Yokohama City Univ.)</p>	<p>2aH04 E Effect of Salinity Stress on Parasitic Interaction Between Root Hemiparasite <i>Phthiosispermum japonicum</i> and Host <i>Medicago sativa</i> <u>Clarissa F. Frederica</u>¹, Louis J. Irving² (¹Grad. Sch. Life Environ. Sci., Univ. of Tsukuba, ²Fac. Life Environ. Sci., Univ. of Tsukuba)</p>	Symposium S06	Symposium S07	Symposium S08	09:45
<p>2aE05 ROP interactive partners (RIPs) regulate microtubule dynamics and orientation of cell division in the leaves <u>Qimuge Hasi</u>, Tatsuo Kakimoto (Osaka university)</p>	<p>2aF05 Homeostatic inactivation of gibberellin and auxin is regulated by the same allosteric mechanism <u>Sayaka Takehara</u>¹, Shun Sakuraba², Bunzo Mikami³, Hisako Yoshimura¹, Makoto Matsuoka¹, Miyako Ueguchi-Tanaka¹ (¹Nagoya Univ., ²QST, ³Kyoto Univ.)</p>	<p>2aG05 Study on physiological role of ATHK1 in <i>Arabidopsis thaliana</i> <u>Takeshi Uchiyama</u>¹, Kosuke Takebayashi¹, Shin Hamamoto¹, Megumi Kato¹, Hayato Ikeda², Hidetoshi Kikunaga², Toshimi Suda², Sho Toyama¹, Misako Miwa¹, Shigeo Matsuyama¹, Takashi Kuromori³, Atsushi Ishiawa⁴, Tomoaki Horie⁵, Mutsumi Yamagami⁶, Yasuhiro Ishimaru¹, Nobuyuki Uozumi¹ (¹Grad. Eng., Tohoku Univ., ²Research Center of Electron Photon Science., Tohoku Univ., ³Center for Sustainable Resource Science., Riken, ⁴Fukui Prefectural Univ., ⁵Shinshu Univ., ⁶Institute for Environment Sciences)</p>	<p>2aH05 E Cellular connection and molecular traffic between a stem parasitic plant <i>Cuscuta campestris</i> and host plant <u>Koh Aoki</u>, Kohki Shimizu, Rika Takada, Subhankar Bera (Grad. Sch. Life Environ., Osaka Pref. Univ.)</p>				10:00
<p>2aE06 A role for ER stress-responsive genes in epidermis differentiation <u>Ayami Nakagawa</u>¹, Naoyuki Uchida², Keiko U. Torii^{1,3,4} (¹Institute of Transformativ Bio-Molecules, Nagoya University, ²Center for Gene Research, Nagoya University, ³College of Natural Sciences, University of Texas at Austin, ⁴Howard Hughes Medical Institute)</p>	<p>2aF06 The Function of OsSWEET3a as a Gibberellin and Glucose Transporter <u>Akihiko Sugihara</u>¹, Minami Morii¹, Sayaka Takehara², Yuri Kanno³, Kyosuke Kawai¹, Tokunori Hobo², Masako Hattori², Hisako Yoshimura², Mitsunori Seo³, Miyako Ueguchi-Tanaka² (¹Nagoya Univ., Grad. Sch. Bioagric. Sci., ²Nagoya Univ., Bioscience and Biotechnology Center, ³RIKEN, CSRS)</p>	<p>2aG06 The Genotype-Dependent Phenotypic Landscape of Quinoa in Salt Tolerance <u>Yasufumi Kobayashi</u>¹, Nobuyuki Mizuno², Masami Toyoshima¹, Miki Fujita³, Yasuo Yasui⁴, Yasunari Fujita^{1,5} (¹Biol. Resources Post-harvest Div., JIRCAS, ²Institute of Crop Science, NARO, ³RIKEN CSRS, ⁴Grad. Sch. Agri., Kyoto Univ., ⁵Grad. Sch. Life Environ. Sci., Univ. Tsukuba.)</p>	<p>2aH06 Characterization of haustorium-inducing factors for parasitic plants produced by plants incubated with DMBQ <u>Natsumi Aoki</u>, Syogo Wada, Cui Songkui, Satoko Yoshida (NAIST)</p>				10:15
<p>2aE07 Destabilization of RPL12B by ubiquitin ligase SZK2-mediated ubiquitination is required for ribosome stress response <u>Shugo Maekawa</u>^{1,2}, Kanta Igarashi¹, Kanae Fukada¹, Masahiro Takahara¹, Keisuke Nishimura¹, Hirokazu Tsukaya³, Gorou Horiguchi^{1,2} (¹Dept. Life Sci., Col. Sci., Rikkyo Univ., ²Res. Ctr. Life Sci., Col. Sci., Rikkyo Univ., ³Grad. Sch. Sci., Univ. Tokyo)</p>	<p>2aF07 E <i>Arabidopsis CLE2</i> regulates light-dependent carbohydrate metabolism in shoots <u>Dichao Ma</u>¹, Satoshi Endo¹, Shigeyuki Betsuyaku², Akie Shimotohno¹, Hiroo Fukuda¹ (¹Grad. Sch. Sci., Univ. Tokyo, ²Dept. Plant Life Sci., Fac. Agri., Ryukoku Univ.)</p>	<p>2aG07 Responses of plant cell wall polysaccharides in protecting rice plants from aluminum <u>Teruki Nagayama</u>¹, Hiromu Saitoh², Atsuko Nakamura², Naoki Yamaji³, Shinobu Satoh², Jun Furukawa², Hiroaki Iwai² (¹Grad. Sch. Life and Env., Univ. Tsukuba, ²Fac. Life and Env., Univ. Tsukuba, ³Res. Inst. Biores., Okayama Univ.)</p>	<p>2aH07 E Characterization of a root parasitic plant <i>Phthiosispermum japonicum</i> mutant that induces haustoria in the absence of host signal <u>Lei Xiang</u>, Songkui Cui, Satoko Yoshida (Plant Sym., Div. Bio. Sci., NAIST)</p>				10:30

E=Presentation in English

● Day 2, Mon., March 15, AM (9:00–12:00)

Time	Room A	Room B	Room C	Room D
	Secondary (specialized) metabolism	Others	Photoreceptors/Photoresponses	Systems biology
10:45	<p>2aA08 E</p> <p>Comparative analysis of plant NADPH-cytochrome P450 reductase classes of legumes towards triterpenoids biosynthesis <u>Pramesti Istiandari</u>¹, Shuhei Yasumoto¹, Ery Odette Fukushima², Seki Hikaru¹, Toshiya Muranaka¹ (¹Department of Biotechnology, Graduate School of Engineering, Osaka University, ²Universidad Regional Amazónica IKIAM, Ecuador)</p>	<p>2aB08</p> <p>Establishing genetic variation databases for the Japanese morning glory using large-scale resequencing <u>Atsushi Hoshino</u>^{1,2}, Kenta Shirasawa³, Atsushi Toyoda⁴, Eiji Nitasaka⁵ (¹Natl. Inst. Basic Biol., ²Sch. Life Sci., SOKENDAI, ³Kazusa DNA Res. Inst., ⁴Natl. Inst. Genet., ⁵Grad. Sch. Sci., Kyushu Univ.)</p>		<p>2aD08</p> <p>A genome-wide chronological study of histone modifications and gene expression in barley grown under field conditions <u>Yoko Ikeda</u>¹, Satoshi Okada¹, Asaka Kanatani², Komaki Inoue², Daisuke Saisho¹, Jun Ito³, Hiroyuki Tsuji³, Keiichi Mochida^{1,2,3}, Takashi Hirayama¹ (¹IPSR, Okayama Univ., ²CSRS, RIKEN, ³KIBR, Yokohama City Univ.)</p>
11:00	<p>2aA09</p> <p>Analysis of Secondary Sulfur Metabolism in Callus Tissues of <i>Allium</i> Plants Ayuna Kisanuki¹, Takashi Asano², Isao Fujii², Kazuki Saito^{1,3}, <u>Naoko Yoshimoto</u>¹ (¹Grad. Sch. Pharm. Sci., Chiba Univ., ²Sch. Pharm., Iwate Med. Univ., ³RIKEN CSRS)</p>	<p>2aB09</p> <p>Public attitudes toward genome-edited food in Japan: interests in benefit, risk, and trust <u>Nozomu Koizumi</u>¹, Yube Yamaguchi¹, Ryuma Shineha² (¹Osaka Prefecture University, ²Osaka University)</p>		<p>2aD09</p> <p>Evaluation of composition of volatile organic compounds in soil cultivating different crops in field conditions <u>Mizuki Sano</u>¹, Yusuke Aono¹, Takumi Sato², Naoto Nihei³, Yasunori Ichihashi², Miyako Kusano^{4,5} (¹Deg. Prog. Life and Earth Sci., Univ. Tsukuba, ²BRC, Riken, ³Fac. Food and Agri. Sci., Univ. Fukushima, ⁴Dept. Life and Env., Univ. Tsukuba, ⁵CSRS, Riken)</p>
11:15	<p>2aA10</p> <p>Multi-metabolomics using liquid chromatography-tandem mass spectrometry and imaging mass spectrometry for spatially characterizing specialized metabolites released from roots <u>Ryo Nakabayashi</u>¹, Noriko Takeda-Kamiya¹, Tetsuya Mori¹, Takashi Nirasawa², Kiminori Toyooka¹, Kazuki Saito¹ (¹RIKEN CSRS, ²Brucker Japan K. K.)</p>	<p>2aB10</p> <p>Characterization and modulation of JAZ2 and Nup98 condensates to construct designed artificial membrane-less organelles in plant cell <u>Yoshito Koja</u>, Yu Joshima, Takuya Arakawa, Yusuke Yoritaka, Goharuka Go, Nagisa Hakamata, Hinako Kaseda, Tsukaho Hattori, Shin Takeda (Grad. Sch. Bioagricul. Sci., Univ. Nagoya.)</p>		<p>2aD10</p> <p>Integrated metabolome analysis for elucidation of the regulation mechanism of carotenoid-derived volatiles <u>Yusuke Aono</u>¹, Yonathan Asikin², Ning Wang³, Denise Tieman⁴, Harry Klee⁴, Miyako Kusano^{3,5} (¹Deg. Prog. Life and Earth Sci., Univ. Tsukuba, ²Fuel. Agri. Bio, Univ. the Ryukyus, ³Dept. of Life and Env. Sci., Univ. Tsukuba, ⁴Plant Inov. Center, Univ. Florida, ⁵CSRS, RIKEN)</p>
11:30	<p>2aA11</p> <p>Analysis of changes in alkaloid metabolism during germination in <i>Catharanthus roseus</i> <u>Mai Uzaki</u>^{1,2}, Kotaro Yamamoto^{3,4}, Akio Murakami⁵, Miwa Ohnishi⁶, Chizuko Shichijo⁵, Kimitsune Ishizaki⁵, Hidehiro Fukaki⁵, Tetsuro Mimura⁵, Masami Yokota Hirai^{1,2} (¹Grad. Sch. Bioagri. Sci., Nagoya Univ., ²RIKEN CSRS, ³Grad. Sch. Pharm. Sci., Chiba Univ., ⁴Dept. Nat. Prod. Bio., MPI, ⁵Grad. Sch. Sci., Kobe Univ., ⁶Eng. Biol. Res. C., Kobe Univ.)</p>			<p>2aD11</p> <p>Investigating the regulatory mechanisms of the Calvin cycle using a kinetic model <u>Ryotaro Tajima</u>¹, Mayu Ikehara², Yoshihiro Toya¹, Hiroshi Shimizu¹ (¹Grad. Sch. IST., Univ. Osaka, ²Sch. Eng., Univ. Osaka)</p>
11:45	<p>2aA12 E</p> <p>Cross-species comparison of floral specialized metabolites deciphering evolutionary aspects in Brassicaceae species <u>Yuting Liu</u>¹, Sayuri Yasukawa¹, Yuriko Kawamura¹, Chaiwat Aneklaphakij^{1,2}, Mutsumi Watanabe¹, Takayuki Tohge¹ (¹Grad. Sch. Sci., Tech., NAIST, ²Dept. Phar., Mahidol Univ.)</p>			<p>2aD12</p> <p>Diversity of chemical structures and biosynthetic genes of polyphenols in nut bearing species <u>Tomoki Saigo</u>¹, Chaiwat Aneklaphakij^{1,2}, Mutsumi Watanabe¹, Thomas Naake^{3,4}, Alisdair R. Fernie³, Somnuk Bunsupa², Veena Satitpatipan², Takayuki Tohge¹ (¹Grad. Sch. Sci. Tech., NAIST, ²Dept. Pharma, Mahidol Univ., ³MPI-MP, ⁴EMBL heidelberg)</p>

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Vegetative growth	Plant hormones/Signaling molecules	Environmental responses B	Plant-organism interaction B				
<p>2aE08 Multilayered regulation of auxin signaling by CUC transcription factors in the apical region of the embryo <u>Mizuki Yamada</u>¹, Ayame Imoto², Shunsuke Tanaka³, Tatsuya Miyazaki³, Mitsuhiro Aida^{1,3} (¹IROAST, Kumamoto Univ., ²Grad. Sch. Bio. Sci., NAIIST, ³Fac. Sci., Kumamoto Univ.)</p> <p>2aE09 Functional analysis of <i>MAPKKKs</i> in Arabidopsis seed dormancy and germination <u>Masahiko Otani</u>¹, Ryo Tojo¹, Lipeng Zheng¹, Kazuhiko Sugimoto², Kohci Yokota³, Kazuya Ichimura³, Naoto Kawakami¹ (¹Grad. Sch. Agri., Univ. Meiji, ²Inst. Crop Science, NARO, ³Grad. Sch. Agri., Univ. Kagawa)</p> <p>2aE10 <i>BABY BOOM</i> Genes are Required to Organize Normal Dorsoventral Axis during Rice Embryogenesis <u>Takumi Tezuka</u>¹, Sae Shimizu-Sato², Kim Nhung Ta², Misuzu Nosaka-T^{1,2}, Toshiya Suzuki^{1,2}, Yutaka Sato^{1,2} (¹Sch. life sci., SOKENDAI, ²Plant genetics., Natl. Inst. Genet)</p> <p>2aE11 E Spatiotemporal gibberellin biosynthesis underlying the optimal rhizome development in <i>Oryza longistaminata</i> <u>Kanako Bessho-Uehara</u>¹, Tomoki Omori², Keisuke Nagai², Mikiko Kojima³, Ayumi Agata², Hitoshi Sakakibara³, Motoyuki Ashikari², Tokunori Hobo³ (¹Grad Sch Life Sci, Tohoku Univ., ²Bio Sci. Bio Tech. center, Nagoya Univ., ³Grad Sch Agri, Nagoya Univ.)</p> <p>2aE12 Propagule formation process of <i>Pimellia ternata</i> and accumulation of functional polysaccharide Araban in propagule Atsuhiko Kuriki¹, Hibiki Shimokawa¹, Toshihiko Eguchi², Hiroyuki Tanaka^{3,4}, <u>Ken Matsuoka</u>^{1,2,5} (¹Grad. Sch. Biores. Bioenviron. Sci., Kyushu Univ., ²Biotron Appl. Ctr., Kyushu Univ., ³Fac. Pharmaceu. Sci., Kyushu Univ., ⁴Fac. Pharmaceu. Sci., Sanyo-Onoda City Univ., ⁵Fac. Agr., Kyushu Univ.)</p>	<p>2aF08 The role of CLE peptide in response to environmental stimuli <u>Akie Shimotohno</u>, Hiroo Fukuda (The University of Tokyo)</p> <p>2aF09 Functional analysis of putative peptide-coding genes in <i>Marchantia polymorpha</i> <u>Haruaki Kobayashi</u>¹, Shigeo S. Sugano², Kentaro Tamura³, Yoshito Oka¹, Tomonao Matsushita¹, Tomoo Shimada¹ (¹Grad. Sch. Sci., Kyoto Univ., ²Bioproduction, AIST, ³Sch. Food & Nutritional Sci., Univ. Shizuoka)</p>	<p>2aG08 Molecular genetic analysis of Arabidopsis <i>cadmium sensitive</i> mutant <u>Koki Misawa</u>, Erika Urayama, Izumi Yotsui, Teruaki Taji, Yoichi Sakata (Dept. of Bioscience Tokyo Univ. of Agriculture)</p>	<p>2aH08 E Effect of Host <i>Medicago sativa</i> Light Availability on Hemiparasite <i>Phtheriospermum japonicum</i> Growth <u>Maya Lynn Lackie</u>¹, Louis J. Irving² (¹Grad. Sch. Life Environ. Sci., Univ. of Tsukuba, ²Fac. Life Environ. Sci., Univ. of Tsukuba)</p>	Symposium S06 Frontiers in plant redox biology: Redox regulation, oxidative stress and signaling (9:00–12:00)	Symposium S07 A new perspective for Integrated Bio-metal Science (9:00–12:05)	Symposium S08 Past and future of plant RNA research answering fundamental questions (9:00–11:55)	10:45 11:00 11:15 11:30 11:45

E=Presentation in English

● Day 2, Mon., March 15, PM (13:00–16:00)

Time	Room A	Room B	Room C	Room D
	Photosynthesis	Environmental responses of photosynthesis	New technology	Organelles/Cytoskeleton
13:00	<p>2pA01 Genome analysis of a novel <i>Acaryochloris</i> species without phycobiliproteins <u>Haruki Yamamoto</u>¹, Kazuma Uesaka², Yuki Tsuzuki¹, Hisanori Yamakawa¹, Shigeru Itoh³, Yuichi Fujita¹ (¹Graduate school of Agricultural Sciences, Nagoya University, ²Center for Gene Research, Nagoya University, ³Graduate School of Science, Nagoya University)</p>	<p>2pB01 Does mesophyll conductance limit photosynthesis during induction? <u>Kazuma Sakoda</u>^{1,2}, Wataru Yamori¹, Michael Groszmann³, John Evans³ (¹Graduate School of Agricultural and Life Sciences, The University of Tokyo, ²Research Fellow of Japan Society for the Promotion of Science, ³The Australian National University)</p>	<p>2pC01 Engineered SaCas9-NNG provides expanded target scope and compact genome editing tool in plants <u>Katsuya Negishi</u>¹, Hiroshi Nishimasu^{2,3}, Osamu Nureki², Seiichi Toki^{1,4,5} (¹Inst. Agrobiol. Sci., NARO, ²Grad. Sch. Sci., Univ. Tokyo, ³RCAST, Univ. Tokyo, ⁴Grad. Sch. Nanobio., Yokohama City Univ., ⁵Kihara Inst. Biol. Res., Yokohama City Univ.)</p>	<p>2pD01 Chloroplast DNA ligase controls the shape of chloroplast nucleoids through the modulation of DNA supercoils <u>Yoshiki Nishimura</u>¹, Takashi Hamaji¹, Yusuke Kobayashi², Mari Takusagawa¹, Toshiharu Shikanai¹ (¹Department of Botany, Graduate School of Science, Kyoto University, ²Graduate School of Science and Engineering, Ibaraki University)</p>
13:15	<p>2pA02 Genomic Analysis of the Diatom <i>Chaetoceros gracilis</i> and Phylogenetic Analysis of Light-Harvesting Complex Proteins / Fucoxanthin Chlorophyll <i>a/c</i>-Binding Proteins <u>Minoru Kumazawa</u>¹, Hiroyo Nishide², Ryo Nagao³, Natsuko Inoue-Kashino⁴, Ikuro Uchiyama², Yasuhiro Kashino⁴, Jian-Ren Shen³, Takeshi Nakano¹, Kentaro Ifuku¹ (¹Grad. Sch. Biostudies., Kyoto Univ., ²NIBB, ³RIIS, Okayama Univ., ⁴Grad. Sch. Sci., Univ. Hyogo)</p>	<p>2pB02 Changes in sensitivity of PSI photoinhibition in <i>Arabidopsis thaliana</i> by low-temperature treatment <u>Makoto Egashira</u>, Yusuke Mizokami, <u>Ko Noguchi</u> (Sch. Life Sci., Tokyo Univ. Pharm. Life Sci.)</p>	<p>2pC02 Genome editing in plants using a novel genome editing tool, TiD <u>Naoki Wada</u>¹, Tomoko Miyaji¹, Emi Murakami¹, Kazuya Marui¹, Risa Ueta¹, Ryosuke Hashimoto¹, Chihiro Abe-Hara¹, Bihe Kong², Kentaro Yano², Yuriko Osakabe¹, Keishi Osakabe¹ (¹Grad. Sch. Tech. Ind. Soc. Sci. Tokushima Univ., ²Sch. Agri. Meiji Univ.)</p>	<p>2pD02 A light-dependent nucleoid behavior in chloroplasts of <i>Marchantia polymorpha</i> <u>Seika Ishihara</u>¹, Kohta Sakashita¹, Yusuke Ishida¹, Yoshitaka Kimori², Yoshiki Nishimura², Yusuke Kobayashi⁴, Ikuko Hara-Nishimura¹, Kosei Iwabuchi¹ (¹Grad. Sch of Nat. Sci., Konan Univ., ²Fac. Environ. Info. Sci., Fukui Univ. Tech., ³Grad. Sch. Sci., Kyoto, ⁴Grad. Sch. Sci., Ibaraki)</p>
13:30	<p>2pA03 Discovery of new siphonaxanthin biosynthetic precursor and its biological function <u>Soichiro Seki</u>¹, Yumiko Yamano², Ritsuko Fujii^{1,3} (¹Grad. Sch. Sci., Osaka City Univ., Osaka, Japan, ²Dept. Org. Chem. for Life Sci., Kobe Pharmaceutical Univ., Kobe, Japan, ³Research Center for Artificial Photosynthesis, Osaka City Univ., Osaka, Japan)</p>	<p>2pB03 Relationship between oxidative damage to the chloroplast translation factor EF-Tu and photoinhibition of photosystem II in <i>Arabidopsis thaliana</i> <u>Machi Torii</u>, Azusa Shinjo, Yoshitaka Nishiyama (Grad. Sch. Sci. Eng., Saitama Univ.)</p>	<p>2pC03 Assessment of the activity of the Prime Editing method in <i>Arabidopsis</i> <u>Shigeo S. Sugano</u>, Akiyoshi Nakamura, Kentaro Ezura, Shingo Sakamoto, Nobutaka Mitsuda (Bioproduction Institute, AIST)</p>	<p>2pD03 A novel plastid protein LIPID RICH 1 is a negative regulator of lipid biosynthesis in <i>Arabidopsis thaliana</i> <u>Mebae Yamaguchi</u>¹, Shuji Shigenobu², Katsushi Yamaguchi², Hiro Takahashi³, Shuichi Fukuyoshi³, Yasuhiro Higashi⁴, Kazuki Saito^{4,5}, Keiko Kuwata⁶, Ikuko Hara-Nishimura⁷, Takashi Shimada^{1,5} (¹Graduate School of Horticulture, Chiba Univ., ²NIBB, ³Kanazawa Univ., ⁴RIKEN, ⁵Plant Molecular Science Center, Chiba Univ., ⁶Nagoya Univ., ⁷Konan Univ.)</p>
13:45	<p>2pA04 Observation for the organogelation of chlorosomal pigment mixtures extracted from the mutant of the green sulfur bacterium <i>Chlorobaculum limnaeum</i> <u>Jiro Harada</u>¹, Yusuke Kinoshita², Takeshi Hashishin³, Tadashi Mizoguchi², Ken Yamamoto¹, Hitoshi Tamiaki² (¹Dept. Med. Biochem., Kurume Univ. Sch. Med., ²Grad. Sch. Life Sci., Ritsumeikan Univ., ³Facul. Adv. Sci. Tech., Kumamoto Univ.)</p>	<p>2pB04 Biochemical analysis of outer Light harvesting complex I deletion Reveals Flexible rearrangement of antenna in the green algae <i>Chlamydomonas reinhardtii</i> <u>Shin-Ichiro Ozawa</u>¹, Philipp Gäbelein², Felix Buchert², Laura Mosebach², Susan Hawat², Martin Scholz², Wataru Sakamoto¹, Michael Hippler^{1,2} (¹IPSR, Okayama Univ., ²IPBB, Univ. Muenster)</p>	<p>2pC04 Targeted modification of <i>Arabidopsis thaliana</i> plastid genome <u>Issei Nakazato</u>, Yoshiko Tamura, Nobuhiro Tsutsumi, Shin-ichi Arimura (Grad. Sch. Agr. Life Sci., Univ. Tokyo)</p>	<p>2pD04 Construction and characterization of the complete knock-out mutant of all ppGpp synthases in <i>Arabidopsis</i> <u>Masataka Inazu</u>, Sae Suzuki, Sumire Ono, Shinji Masuda (Graduate School of Life Science and Technology, Tokyo Institute of Technology)</p>

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Vegetative growth	Flowering/Clock	Environmental responses C	Plant-organism interaction B				
<p>2pE01 Brassinosteroid regulates periclinal cell division in root vascular cells <u>Kyoko Ohashi-Ito</u>, Kuninori Iwamoto, Hiroo Fukuda (Grad. Sch. Sci., The Univ. Tokyo)</p> <p>2pE02 Analysis of ANAC and DOF transcription factors involved in ectopic vascular cell differentiation in <i>Arabidopsis</i>. <u>Ryosuke Sato</u>¹, Keita Matsuoka¹, Yukina Endo¹, Keita Kaminaga¹, Kyomi Shibata¹, Yuki Kondo², Shinobu Satoh³, Masashi Asahina^{1,4} (1Dept. Biosci., Teikyo Univ., 2Grad. Sch. Sci., Kobe Univ., 3Life & Environ. Sci., Univ. Tsukuba, 4Adv. Instrum. Anal. Cent., Teikyo Univ.)</p> <p>2pE03 Cell fate regulation of vascular stem cell via cytokinin signaling <u>Shunji Shimadzu</u>^{1,2}, Tomoyuki Furuya², Kyoko Ohashi-Ito¹, Kimitsune Ishizaki², Hidehiro Fukaki², Hiroo Fukuda¹, Yuki Kondo² (1Grad. Sch. Sci., The Univ. of Tokyo, 2Grad. Sch. Sci., Kobe Univ.)</p> <p>2pE04 Regulatory Mechanism on Induction of Secondary Growth via Cytokinin Signaling <u>Miyu Imamura</u>¹, Nobutaka Mitsuda², Shingo Sakamoto², Yuki Kondo³, Kazuma Uesaka⁴, Masaru Ohme-Takagi^{2,5}, Takafumi Yamashino¹ (1Grad. Sch. Bioagr. Sci., Nagoya Univ., 2Bioprod. Res. Inst., Nat. Inst. of Adv. Ind. Sci. Tech., 3Grad. Sch. Sci., Kobe Univ., 4Ctr. Gene Res. Nagoya Univ., 5Grad. Sch. Sci. Eng., Saitama Univ.)</p>	<p>2pF01 Imaging of auxin and cytokinin signaling in the shoot apical meristem of rice <u>Moeko Sato</u>¹, Yuki Sakamoto², Sachihiro Matsunaga³, Hiroyuki Tsuji¹ (1KIBR., Yokohama City Univ., 2Dept. Biol. Sci., Grad. Sch. Sci., Osaka Univ., 3Grad. Sch. Front. Sci., Univ. Tokyo)</p> <p>2pF02 Analysis of cellular dynamics in the shoot apical meristem of barley under field and laboratory conditions by 3D imaging at single-cell resolution <u>Shunichi Arai</u>¹, Jun Ito¹, Shuhei Kuge¹, Nao Sato¹, Yuko Nomura¹, Midori Sugimura¹, Daisuke Saisho², Hiroyuki Tsuji¹ (1KIBR, Yokohama City Univ., 2IPSR, Okayama U.)</p> <p>2pF03 Warmer temperature promotes flowering through morning <i>FT</i> induction in <i>A. thaliana</i> <u>Yusuke Ozaki</u>¹, Akane Kubota¹, Takato Imaizumi², Motomu Endo¹ (1Div of Bioscience, NAIST, 2Dept of Biology, Univ of Washington)</p> <p>2pF04 Functional analysis of <i>cis</i>-elements in the <i>FT</i> promoter region using the novel SpCas9-NGv1 <u>Akito Yoshida</u>¹, Katsuya Negishi², Mayuka Yamamoto¹, Mitsutomo Abe³, Seiichi Toki², Kapppei Kobayashi¹, Hidetaka Kaya¹ (1Dept. Food Prod. Sci., Fac. Agr., Ehime Univ., 2Plant Genome Engineering Research Unit, NARO, 3Grad. Sch. Arts Sci., Univ. Tokyo)</p>	<p>2pG01 Effect of epigenetic modifications on low-temperature injury in rice <u>Ryuhei Hatakeyama</u>¹, Tomoaki Muranaka^{2,3}, Haruki Nishio², Mie N. Honjo², Yuuki Ishimori⁴, Takashi Endo⁴, Mika Teranishi¹, Hiroshi Kudoh², Atsushi Higashitani¹ (1Grad. Life Sci., Tohoku Univ., 2Center for Ecological Research, Kyoto Univ., 3Fac. of Agri., Kagoshima Univ., 4Miyagi Pref. Furukawa Agri. Exp. Stn.)</p> <p>2pG02 Analysis of regulatory mechanism of cold-inducible gene expression in response to circadian clock <u>Izumi Konoura</u>¹, Satoshi Kidokoro¹, Kentaro Hayashi¹, Takamasa Suzuki², Kazuo Shinozaki³, Kazuko Yamaguchi-Shinozaki^{1,4} (1Grad. Sch. Agr. Life Sci., Univ. Tokyo, 2Biosci. Biotech., Chubu Univ., 3Center for Sustainable Resource Science, RIKEN, 4Res. Inst. Agr. Life Sci., Tokyo Univ. Agr)</p> <p>2pG03 Non-invasive 3D imaging of fine freezing behaviors in complex plant organs using high resolution MRI <u>Masaya Ishikawa</u>¹, Timothy Stait-Gardner², Hikaru Kubo¹, Norihisa Matsushita¹, Kenji Fukuda¹, William S. Price² (1Grad. Sch. Agr. Life Sci., Univ. Tokyo, 2Western Sydney Univ.)</p> <p>2pG04 Two <i>cis</i>-acting elements required for the guard cell-specific expression of <i>SCAP1</i> essential for functionalization of stomata <u>Kosuke Moriwaki</u>¹, Shuichi Yanagisawa², Koh Iba¹, Juntaro Negi¹ (1Dept. Biol., Fac. Sci., Kyushu Univ., 2Biotechnology Research Center, The University of Tokyo)</p>	<p>2pH01 Machine learning based prediction of rice fertilization states and key microbial species in root microbiomes <u>Shunsuke Imai</u>, Utami Yuniar Devi, Yusa Aritoshi, Sumire Kiritani, Masako Fuji, Yukiko Shimizu, Naoki Ono, Shigehiko Kanaya, Yusuke Saijo (Grad. Sch. Sci. and Tech., NAIST)</p> <p>2pH02 E Multi-omics reveal mechanisms of rice to microbial Volatile Compounds (VCs) exposure in a changing climate <u>Marouane Baslam</u>¹, Murat Aycan⁴, Edurne Baroja-Fernández², Francisco José Muñoz², Ángela María Sánchez-López², Nuria De Diego³, Karel Doležal³, Mohammad-Reza Hajirezaei⁴, Kimiko Itoh¹, Javier Pozueta-Romero², Toshiaki Mitsui¹ (1Laboratory of Biochemistry, Faculty of Agriculture, Niigata University, Niigata, Japan., 2Instituto de Agrobiotecnología (Consejo Superior de Investigaciones Científicas/ Gobierno de Navarra). Iruñako etorbidea 123, 31192 Mutiloabeti, Nafarroa, Spain., 3Department of Chemical Biology and Genetics, Centre of the Region Haná for Biotechnological and Agricultural Research, Faculty of Science, Palacký University, Olomouc, CZ-78371, Czech Republic., 4Leibniz Institute of Plant Genetics and Crop Plant Research (IPK), OT Gatersleben, Corrensstr. 3, D-06466 Stadt Seeland, Germany.)</p> <p>2pH03 Comparative analysis of plants forming arbuscular mycorrhiza with different morphological types <u>Takaya Tominaga</u>¹, Yuuka Sumigawa², Yukine Hirose², Katsushi Yamaguchi³, Shuji Shigenobu³, Akira Mine^{4,5}, Hironori Kaminaka² (1United Grad. Sch. Agr., Tottori Univ., 2Fac. Agr., Tottori Univ., 3NIBB, 4Fac. Life Sci., Ritsumeikan Univ., 5JST PRESTO)</p> <p>2pH04 A strigolactone and methyl jasmonate promote the propagation of an arbuscular mycorrhizal fungus <i>R. clarus</i> HR1 under asymbiotic conditions Sachiko Tanaka¹, <u>Kayo Hashimoto</u>¹, Yuuki Kobayashi¹, Koji Yano¹, Taro Maeda^{1,2}, Hiromu Kameoka^{1,3}, Tatsuhiro Ezawa⁴, Katsuharu Saito⁵, Kohki Akiyama⁶, Masayoshi Kawaguchi^{1,7} (1National Institute for Basic Biology, 2Faculty of Agriculture, Ryukoku Univ., 3Grad. Sch., Life Sci., Tohoku Univ., 4Grad. Sch. of Agriculture, Hokkaido Univ., 5Faculty of Agriculture, Shinshu Univ., 6Grad. Sch. of Life & Environ. Sci., Osaka Pref. Univ., 7SOKENDAI)</p>	Symposium S09 Molecular elucidation of plant environmental adaptation toward engineering responses of field-grown plants (13:00–15:50)	Symposium S10 Borderless Era of Plant Chemical Research—New Trends in Plant Chemical Biology and Plant Metabolite Chemistry. (13:00–16:00)		13:00
							13:15
							13:30
							13:45

E=Presentation in English

● Day 2, Mon., March 15, PM (13:00–16:00)

Time	Room A	Room B	Room C	Room D
	Photosynthesis	Environmental responses of photosynthesis	New technology	Organelles/Cytoskeleton
14:00	<p>2pA05 Cyanobacterial histidine kinase NblS is the PSII-interacting sensor that disappeared during evolution <u>Tatsuhiko Tsurumaki</u>¹, Kan Tanaka² (1Dept. of Life Science and Technology, Tokyo Tech, ²Institute of Innovative Research, Tokyo Tech)</p>	<p>2pB05 Functional analysis of a galactolipase, Galp1, involved in the high-light acclimation in <i>Synechococcus elongatus</i> PCC 7942 <u>Nobuyuki Takatani</u>¹, Kazutaka Ikeda², Tatsuo Omata¹ (1Grad. Sch. Bioagr. Sci. Nagoya Univ., ²Clinical Omics Unit, Kazusa DNA Res.)</p>	<p>2pC05 E Gene Delivery to Plant Mitochondria Using Carbon Nanotube-Polymer Hybrids Modified with Functional Peptides <u>Geoffrey Liou</u>¹, Simon Sau-Yin Law¹, Yukiko Nagai², Naoki Tanaka², Kousuke Tsuchiya¹, Masaki Odahara¹, Tsuyohiko Fujigaya^{2,3,4,5}, Keiji Numata¹ (1Center for Sustainable Resource Sci., RIKEN, ²Dept. Appl. Chem., Grad. Sch. Eng., Kyushu Univ., ³Int. Inst. Carbon Neutral Energy Res., Kyushu Univ., ⁴JST-PRESTO, ⁵Center for Mol. Sys., Kyushu Univ.)</p>	<p>2pD05 Characterization of enzyme activity, multimerization, and gene expression of two ALADs in <i>Arabidopsis</i> Yuri Kanbayashi, Masashi Amano, Tomohide Uno, <u>Kengo Kanamaru</u> (Grad. Sch. Agri., Kobe Univ.)</p>
14:15	<p>2pA06 Effects of Mutations in the Loop4 Region of PsbP on the Oxygen-Evolving Activity of Photosystem II <u>Ko Imaizumi</u>¹, Taishi Nishimura², Ryo Nagao^{3,4}, Yuki Kato⁴, Takeshi Nakano^{1,2}, Takumi Noguchi⁴, Kentaro Ifuku^{1,2} (1Fac. Agri., Kyoto Univ., ²Grad. Sch. Biostudies, Kyoto Univ., ³RIIS, Okayama Univ., ⁴Grad. Sch. Sci., Nagoya Univ.)</p>	<p>2pB06 Lipid remodeling in <i>Synechocystis</i> sp. PCC 6803 during acclimation to photo-oxidative stress conditions <u>Haruhiko Jimbo</u>¹, Kensuke Takagi¹, Takashi Hirashima¹, Taichi Izuhara², Kaichiro Endo³, Yuki Nakamura⁴, Hajime Wada¹ (1Grad. Sch. Arts Sci., Univ. Tokyo, Japan, ²Grad. Sch. Sci. Eng., Saitama Univ., Japan, ³Malopolska Cent. Biotech., Jagiellonian Univ., Poland, ⁴Inst. Plant Microbial. Bio., Acad. Sinica, Taiwan)</p>	<p>2pC06 Genome editing by polyion complex vesicle-mediated Cas9 ribonucleoprotein complex delivery in <i>Arabidopsis thaliana</i> <u>Masaki Odahara</u>¹, Kenta Watanabe¹, Kousuke Tsuchiya², Ayaka Tateishi¹, Yutaka Kodama^{1,3}, Keiji Numata^{1,2} (1Biomacro. Res. Team, CSRS, RIKEN, ²Biomat. Chem., Matl. Chem., Kyoto Univ., ³Center for Biosci. Res. & Edu., Utsunomiya Univ.)</p>	<p>2pD06 Analysis of cooperative regulations for plant greening by novel BR signaling factor BPG4 and homologous factors BGH2, BGH3 <u>Ryo Tachibana</u>¹, Momo Marugami², Susumu Abe², Ayumi Yamagami¹, Minami Matsui³, Tetsuo Kushiro², Tadao Asami⁴, Kentarou Ifuku¹, Takeshi Nakano¹ (1Grad. Sch. Biostudies., Kyoto Univ., ²Dept. Agri., Meiji Univ., ³RIKEN CSRS, ⁴Grad. Sch. Agri. Life Sci., Univ. Tokyo)</p>
14:30	<p>2pA07 Intrinsic Fluctuations in Transpiration Observed in Rice Plants Induce Photorespiration to Oxidize P700 in Photosystem I <u>Riu Furutani</u>^{1,5}, Amane Makino^{2,5}, Yuji Suzuki^{3,5}, Ginga Shimakawa^{4,5}, Shinya Wada¹, Chikahiro Miyake^{1,5} (1Grad. Sch. Agri., Univ. Kobe, ²Grad. Sch. Agri., Univ. Tohoku, ³Fac. Agri., Univ. Iwate, ⁴Res. Solar Energ. Chem., Univ. Osaka, ⁵JST CREST)</p>	<p>2pB07 Transcriptional regulation under diverse light intensity changes by an evolutionarily conserved cyanobacterial two-component system <u>Akira Yasuda</u>¹, Daichi Inami¹, Sousuke Imamura², Kan Tanaka², Mitsumasa Hanaoka^{1,3} (1Grad. Sch. Horticult., Chiba Univ., ²Lab. Chem. Life Sci., Tokyo Inst. Tech., ³Plant Mol. Sch. Cent., Chiba Univ.)</p>	<p>2pC07 Improvement of plasma treatment method for CRISPR/Cas9-mediated genome editing in plants <u>Yuki Yanagawa</u>¹, Yuma Suenaga², Shohei Moriya², Yusuke Iijima², Masaki Endo¹, Etsuko Kato³, Seiichi Toki¹, Akitoshi Okino², Ichiro Mitsuhashi¹ (1NIAS, NARO, ²FIRST, Tokyo Tech., ³NAAC, NARO)</p>	<p>2pD07 CO₂-dependent relocation of carbonic anhydrase in the algal chloroplast <u>Takashi Yamano</u>, Chihana Toyokawa, Daisuke Shimamura, Hideya Fukuzawa (Grad. Sch. Biostudies, Kyoto University)</p>
14:45	<p>2pA08 The ptp1 mutation contributes to PSI photoinhibition in the <i>Arabidopsis pgr5</i> mutant <u>Shinya Wada</u>¹, Katsumi Amako², Chikahiro Miyake¹ (1Grad. Sch. Agri. Sci., Kobe-Univ., ²Dep. Health and Nutrition, Jin-ai Univ.)</p>		<p>2pC08 Potato Virus X Vector-Mediated DNA-Free Genome Editing in Plants <u>Hirota Arita</u>^{1,2}, Seiichi Toki^{3,4,5}, Kazuhiro Ishibashi¹ (1Plant and Microbial Research Unit, Institute of Agrobiological Sciences, NARO, ²Genetic Resources Center, NARO, ³Plant Genome Engineering Research Unit, Institute of Agrobiological Sciences, NARO, ⁴Graduate School of Nanobioscience, Yokohama City Univ., ⁵Kihara Institute for Biological Research, Yokohama City Univ.)</p>	<p>2pD08 Serine hydroxymethyltransferase (SHMT) participates in the synthesis of cysteine rich storage protein in rice seed Hiroaki Matsusaka¹, <u>Masako Fukuda</u>¹, Ai Nagamine², Toshihiro Kumamaru¹ (1Fac. Agr., Kyushu Univ., ²Fac. Life and Env. Sci., Univ. of Tsukuba)</p>
15:00	<p>2pA09 The functional analysis of cysteine residues of PGR1 in the green alga <i>Chlamydomonas reinhardtii</i> <u>Hiroko Takahashi</u>¹, Kenta Takayama¹, Atsuko Isu², Ken-ichi Wakabayashi², Hisabori Toru², Yoshitaka Nishiyama¹ (1Graduate School of Science and Engineering, Saitama University, ²Laboratory for Chemistry and Life Science, Institute of Innovative Research, Tokyo Institute of Technology)</p>		<p>2pC09 E Efficient base editing in tomato using a highly expressed transient system <u>Shaoye Yuan</u>^{1,4}, Shunsuke Kawasaki^{1,4}, Islam Abdellatif^{3,4}, Keiji Nishida², Akihiko Kondo^{2,3}, Tohru Arizumi^{1,4}, Hiroshi Ezura^{1,4}, Kenji Miura^{1,4} (1Tsukuba-Plant Innovation Research Center, University of Tsukuba, Tsukuba 305-8572, Japan, ²Graduate School of Science, Technology and Innovation, Kobe University, Kobe 657-8501, Japan, ³Department of Chemical Science and Engineering, Graduate School of Engineering, Kobe University, Kobe 657-8501, Japan, ⁴Graduate School of Life and Environmental Sciences, University of Tsukuba, Tsukuba 305-8572, Japan)</p>	<p>2pD09 E Biochemical characterization of <i>Arabidopsis</i> ABC transporter that can bind to hemin Li Zijing¹, Takayuki Shimizu¹, Kohji Nishimura², <u>Tatsuru Masuda</u>¹ (1Grad. Sch. Arts Scie, Univ. Tokyo, ²Fac. Life Environ. Sci., Shimane Univ.)</p>

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Vegetative growth	Flowering/Clock	Environmental responses C	Plant-organism interaction B				
<p>2pE05 Lateral Organ Boundary Domain Family Transcription Factor LBD12 is involved in Radial Pattern Formation of Root Apical Meristem in <i>Arabidopsis thaliana</i> <u>Koichi Gombu</u>¹, Miyu Imamura¹, Shunsuke Miyashima², Keiji Nakajima², Takafumi Yamashino¹ (¹Grad. Sch. Bioagr. Sci., Nagoya Univ., ²Grad. Sch. Sci. Tech., NAIST)</p>	<p>2pF05 Identification of a devernization inducer by chemical screening approaches in <i>Arabidopsis thaliana</i> <u>Makoto Shirakawa</u>¹, Yukaho Morisaki¹, Ryoya Yamaguchi¹, Eng-Seng Gan², Ayato Sato³, Toshiro Ito¹ (¹Division of Biological Science, Graduate School of Science and Technology, Nara Institute of Science and Technology, ²Temasek Life Sciences Laboratory, National University of Singapore, ³Institute of Transformative Bio-Molecules (WPI-ITbM), Nagoya University)</p>	<p>2pG05 E Photoperiod and elevated [CO₂] influence morphological and physiological responses to drought in trembling aspen: implications for climate change-induced migration <u>Sahari Inoue</u>¹, Qing-Lai Dang², Rongzhou Man³, Binyam Tedla¹ (¹Northern Alberta Institute of Technology, Center for Boreal Research, ²Lakehead University, ³Ontario Ministry of Natural Resources and Forestry)</p>	<p>2pH05 Regulation of cell cycle reactivation during nodule development <u>Teruki Sugiyama</u>, Makoto Hayashi (Riken, CSRS)</p>	Symposium S09 Molecular elucidation of plant environmental adaptation toward engineering responses of field-grown plants (13:00–15:50)	Symposium S10 Borderless Era of Plant Chemical Research—New Trends in Plant Chemical Biology and Plant Metabolite Chemistry. (13:00–16:00)		14:00
<p>2pE06 Analysis of <i>fewer roots suppressor 1 (fsp1)</i> in which the mutation suppresses the <i>fewer roots (fwr)</i> phenotype for lateral root formation <u>Chieko Goto</u>¹, Akira Ikegami¹, Tatsuki Goh^{1,2}, Hiroyuki Kasahara^{3,4}, Yuki Kondo¹, Kimitsune Ishizaki¹, Tetsuro Mimura¹, Hidehiro Fukaki¹ (¹Grad. Sch. of Sci., Kobe Univ., ²Grad. Sch. of Sci. and Tech., NAIST, ³GIR, Tokyo Univ. of Agri. and Tech., ⁴RIKEN, CSRS)</p>	<p>2pF06 Analysis of salicylic acid- and benzoid acid-induced flowering pathway in duckweed plants, <i>Wolffia hyalina</i> <u>Minako Isoda</u>, Nanami Kitayama, Shogo Ito, Tokitaka Oyama (Grad. Sch. Sci., Kyoto Univ.)</p>	<p>2pG06 Functions And Long-distance Transport Of MiRNAs To Root Upon Dormancy Induction By Short-day In Poplar <u>Shinya Hirooka</u>, Kimiyo Sage-Ono, Moritaroh Matsuzawa, Jun Furukawa, Michiyuki Ono (University of Tsukuba, Faculty of Life and Environmental Science.)</p>	<p>2pH06 Sterol acyltransferase is involved in the regulation of root nodule symbiosis <u>Akihiro Yamazaki</u>¹, Yozo Okazaki², Yasuhiro Higashi¹, Kazuki Saito^{1,3}, Akira Akamatsu⁴, Naoya Takeda⁴, Akira Miyahara⁵, Miwa Nagae⁵, Yosuke Umehara⁵, Makoto Hayashi¹ (¹RIKEN CSRS, ²Mie University Graduate School and Faculty of Bioresources, ³Chiba University Graduate School and Faculty of Pharmaceutical Sciences, ⁴Kwansei Gakuin University Graduate School of Science and Technology, ⁵NIAS Division of Plant Sciences)</p>				14:15
<p>2pE07 CLE-RLK signaling pathway modulates lateral root formation in <i>Arabidopsis thaliana</i> <u>Satoru Nakagami</u>¹, Takashi Ishida^{1,2}, Shinichiro Sawa¹ (¹Grad. Sch. Sci. Tech., Kumamoto Univ., ²IROAST, Kumamoto Univ.)</p>	<p>2pF07 Natural variation of the circadian period contributes to the critical day-length diversity <u>Tomoaki Muranaka</u>^{1,2}, Hiroshi Kudoh³, Tokitaka Oyama⁴ (¹Fac. Agri., Kagoshima Univ., ²JSPS PD, ³CER, Kyoto Univ., ⁴Grad. Sch. Sci., Kyoto Univ.)</p>	<p>2pG07 Role of indole-3-butyric acid (IBA) transport in DNA damage response <u>Naoki Takahashi</u>, Saki Yoshikuni, Masaaki Umeda (Grad. Sch. Sci. Tech., NAIST)</p>	<p>2pH07 NoPLO, a mathematical model of nodulation pattern based on photosynthate distribution <u>Kensuke Kawade</u>^{1,2}, Masayoshi Kawaguchi^{1,2} (¹NIBB, ²SOKENDAI)</p>				14:30
<p>2pE08 E Excess nutrition suppresses Arabidopsis root hair growth <u>Michitaro Shibata</u>, Ayako Kawamura, Keiko Sugimoto (RIKEN CSRS)</p>	<p>2pF08 Quantitative measurement of plant proteins using MRM assays by mass spectrometry <u>Hitoshi Mori</u>, Yutaro Komura, Haruyuki Mukai (Bioagricultural Sciences, Nagoya University)</p>	<p>2pG08 Importance of autophagy in phosphate recycle system <u>Yushi Yoshitake</u>, Kohki Yoshimoto (Life sci. Agri. Meiji Univ.)</p>	<p>2pH08 Role of cystathionine γ-lyase of <i>Mesorhizobium loti</i> in the root nodule symbiosis with <i>Lotus japonicus</i> <u>Mitsutaka Fukudome</u>¹, Haruka Ishizaki², Yuta Shimokawa³, Toshiki Uchiiumi³, Masayoshi Kawaguchi^{1,4} (¹National Institute for Basic Biology, ²Fac. Sci., Kagoshima Univ., ³Grad. Sch. Sci. Eng., Kagoshima Univ., ⁴SOKENDAI)</p>				14:45
<p>2pE09 Characterization of an <i>Arabidopsis</i> short ORF, <i>sof3</i>, involved in nitrogen-dependent lateral root development <u>Kazuhiro Ito</u>¹, Ayu Yamamoto¹, Atsushi Mabuchi¹, Kousuke Hanada², Koh Iba¹, Kensuke Kusumi¹ (¹Dept. Biol. Fac. Sci. Kyushu Univ., ²Dept. Bioscience and Bioinformatics Kyusyu Institute of Technology)</p>		<p>2pG09 Analysis of Phosphorus Deficiency Response and Glucuronosyl-diacylglycerol Synthase in <i>Klebsromidium nitens</i> <u>Shinsuke Sekine</u>, Koichi Hori, Noriaki Tonosu, Yuta Ihara, Shinsuke Shimizu, Mie Shimojima, Hiroyuki Ohta (School of Life Science and Technology, Tokyo Institute of Technology)</p>		15:00			

E=Presentation in English

● Day 2, Mon., March 15, PM (13:00–16:00)

Time	Room A	Room B	Room C	Room D
	Photosynthesis	Environmental responses of photosynthesis	New technology	Organelles/Cytoskeleton
15:15	<p>2pA10 The <i>m</i>-type thioredoxins regulate the PGR5/PGR1-dependent photosystem I cyclic electron transport via the interaction with PGR1 <u>Yuki Okegawa</u>, Ken Motohashi (Fac. of Life Sci., Univ. of Kyoto Sangyo)</p>		<p>2pC10 RAP tag and PMab-2 antibody: A tagging system for detecting and purifying proteins in plant cells <u>Kenji Miura</u>¹, Shohei Nosaki¹, Mika K. Kaneko², Yukinari Kato² (¹Grad. Sch. Life Environ. Sci., Univ. Tsukuba, ²Tohoku Univ.)</p>	<p>2pD10 E Interaction of porphyrins with the loop region of <i>Arabidopsis</i> ABC transporter <u>Zijing Li</u>, Takayuki Shimizu, Tatsuru Masuda (Grad. Sch. Arts Sci., Univ. Tokyo)</p>
15:30	<p>2pA11 A quantitative demonstration of the NADP⁺/NADPH redox homeostasis in cyanobacterial cells <u>Kenya Tanaka</u>¹, Ginga Shimakawa², Hiro Tabata¹, Shoko Kusama¹, Shuji Nakanishi^{1,2} (¹Grad. Sch. Eng. Sci., Osaka Univ., ²RCSEC, Osaka Univ.)</p>		<p>2pC11 Live imaging system to track dynamics of histone modifications and RNA polymerase II modification in plants <u>Mio Shibuta K.</u>¹, Mayu Yoshikawa², Tamako Yamaoka², Takuya Sakamoto², Hiroshi Kimura³, Sachihito Matsunaga¹ (¹Grad. Sch. Frontier Sci., Univ. Tokyo, ²Fac. Sci. and Tech., Tokyo Univ. Sci., ³Grad. Sch Life Sci. Tech., Tokyo Inst. Tech.)</p>	<p>2pD11 Analysis on starvation-induced microautophagy in plants <u>Shino Goto-Yamada</u>, Katarzyna Sieńko, Elżbieta Borlik, Kenji Yamada (Malopolska Ctr. Biotechnol., Jagiellonian Univ., Poland)</p>
15:45	<p>2pA12 Characterization of putative thylakoidal anion channels in the marine diatom, <i>Phaeodactylum tricoratum</i>. <u>Shun Ito</u>¹, Kansei Yamagishi¹, Ai Miyatake¹, Kohei Yoneda¹, Yoshinori Tsuji², Yusuke Matsuda¹ (¹Dept. Biosci., Grad. Sch. Sci. Tech., Kwansai Gakuin Univ., ²Grad. Sch. Biostudies., Kyoto Univ)</p>		<p>2pC12 DeLTa-Seq: direct-lysate targeted RNA-Seq from crude tissue lysate <u>Makoto Kashima</u>^{1,2}, Mari Kamitani^{1,3}, Yasuyuki Nomura¹, Hiromi Hirata², Atsushi J. Nagano⁴ (¹Res. Inst. Food and Agri., Ryukoku Univ., ²College of Sci. and Eng., Aoyama Gakuin Univ., ³Cent. for Eco. Res., Kyoto Univ., ⁴Fac. of Agri., Ryukoku Univ.)</p>	<p>2pD12 E Genome Duplication in Brassicaceae Generated <i>NAI2</i> and <i>TSA1</i> Homologues that Establish the Variety of ER Body Formation <u>Kenji Yamada</u>, Jakub Bizan, Shayan Sarkar, Natalia Stefanik (Malopolska Centre of Biotechnology, Jagiellonian University)</p>

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Vegetative growth	Flowering/Clock	Environmental responses C	Plant-organism interaction B				
<p>2pE10 Isolation of Thermospermine- Insensitive Mutants of <i>Arabidopsis</i> <i>thaliana</i> <u>Taku Takahashi</u>, Takahiro Tanaka, Takashi Okamoto, Hiroyasu Motose (Grad Sch Natl Sci & Tech, Okayama Univ.)</p>				Symposium S09 Molecular elucidation of plant environmental adaptation toward engineering responses of field-grown plants (13:00-15:50)	Symposium S10 Borderless Era of Plant Chemical Research—New Trends in Plant Chemical Biology and Plant Metabolite Chemistry. (13:00-16:00)		<p>15:15</p> <p>15:30</p> <p>15:45</p>

● Day 3, Tue., March 16, AM (9:00–12:00)

Time	Room A	Room B	Room C	Room D
	Primary metabolism	Environmental responses of photosynthesis	Membrane trafficking	Organelles/Cytoskeleton
09:00	3aA01 E The Entry Step of the Plant Shikimate Pathway Is Subjected to Highly-Complex Metabolite-Mediated Regulation <u>Ryo Yokoyama</u> , Marcos de Oliveira, Bailey Kleven, Hiroshi Maeda (Department of Botany, University of Wisconsin-Madison)	3aB01 Cellular differentiation in filamentous cyanobacteria analyzed by Raman scattering spectral microscopy with a line-scanning parallel acquisition <u>Kouto Tamamizu</u> , Shigeichi Kumazaki (Grad. Sch. Sci., Kyoto Univ)	3aC01 ER bodies in the lateral root cap are involved in the massive transport of the enzymes to vacuoles <u>Kiminori Toyooka</u> ¹ , Kei Hashimoto ¹ , Yumi Goto ¹ , Mayumi Wakazaki ¹ , Takashi Okamoto ² , Mayuko Sato ¹ (¹ RIKEN CSRS, ² Biol. Sci., Tokyo Metro. Univ.)	3aD01 Studies on Organelle Reorganization during Spermiogenesis in <i>Marchantia polymorpha</i> <u>Takuya Norizuki</u> ^{1,2} , Naoki Minamino ² , Takashi Ueda ^{2,3} (¹ Grad. Sch. Sci., Univ. Tokyo, ² Div. Cellular Dynamics, NIBB, ³ SOKENDAI)
09:15	3aA02 Metabolomic study of oxalate accumulation focused on rice isocitrate lyase <u>Atsuko Miyagi</u> , Hiroki Nogami, Toshiaki Ishikawa, Masatoshi Yamaguchi, Maki Kawai-Yamada (Grad. Sch. Sci. Eng., Saitama Univ.)	3aB02 Molecular Basis of Persulfide Response Involved in Sulfide-mediated Regulation of Physiological Activities <u>Takayuki Shimizu</u> ¹ , Shinji Masuda ² , Tatsuru Masuda ¹ (¹ Grad. Sch. Arts and Sci., Univ. Tokyo, ² Dept. Life Sci. and Technol., Tokyo Inst. Technol.)	3aC02 Analysis of growth arrest phenotype during seedling development in the vacuolar sorting mutant <i>kam2</i> <u>Chika Hosokawa</u> ¹ , Kentaro Tamura ² , Yoshito Oka ¹ , Tomonao Matsushita ¹ , Tomoo Shimada ¹ (¹ Grad. Sch. Sci., Univ. Kyoto, ² Sch. Food & Nutritional Sci., Univ. Shizuoka)	3aD02 Studies on molecular mechanisms of oil body formation in <i>Marchantia polymorpha</i> <u>Sho Hachinoda</u> ^{1,2} , Takehiko Kanazawa ^{1,2} , Takashi Ueda ^{1,2} (¹ Division of Cellular Dynamics, National Institute for Basic Biology, ² The Department of Basic Biology, SOKENDAI (The Graduate University for Advanced Studies))
09:30	3aA03 E A deubiquitinating enzyme interacts with the membrane-localized ubiquitin ligase ATL31 to modulate plant responses to C/N-nutrient availability in Arabidopsis <u>Yongming Luo</u> , Shigetaka Yasuda, Yu Lu, Yoko Hasegawa, Junpei Takagi, Junji Yamaguchi, Takeo Sato (Faculty of Science and Graduate School of Life Science, Hokkaido University)	3aB03 Thioredoxin-dependent redox regulation of phosphoribulokinase in cyanobacteria <u>Kazuha Fukui</u> ^{1,2} , Shoko Mihara ² , Ken-ichi Wakabayashi ^{1,2} , Toru Hisabori ^{1,2} (¹ Life Sci. Tech., Tokyo Tech., ² LCS, Tokyo Tech.)	3aC03 Study on Plant-unique RAB5 Effectors in Arabidopsis <u>Emi Ito</u> ¹ , Seung-won Choi ² , Kazuki Takeuchi ² , Kazuo Ebine ^{3,4} , Akihiko Nakano ⁵ , Takashi Ueda ^{3,4} , Tomohiro Uemura ¹ (Faculty of Science, Ochanomizu Univ., Tokyo, Japan, ² Dept. Natural Sciences, ICU, Tokyo, Japan, ³ Div. Cellular Dynamics, NIBB, Aichi, Japan, ⁴ Sch. Life Sci., SOKENDAI, Kanagawa, Japan, ⁵ Live Cell Super-Resolution Imaging Research Team, RIKEN Center for Advanced Photonics, Saitama, Japan)	3aD03 Evolution of GUN1 Function in Plastid-to-Nucleus Signaling <u>Nobuyoshi Mochizuki</u> ¹ , Hidetoshi Sakayama ² , Tomoaki Nishiyama ³ , Akira Nagatani ¹ (¹ Grad. Sch. Sci., Kyoto University, ² Grad. Sch. Sci., Kobe Univ., ³ Adv. Sci. Res. Cen., Kanazawa Univ.)
09:45	3aA04 A Relationship Between Plasma Membrane H ⁺ -ATPase Activity and Carbon Metabolites in Arabidopsis Leaves <u>Satoru Kinoshita</u> ¹ , Toshinori Kinoshita ^{1,2} (¹ Grad. Sch. of Science, Nagoya University, ² WPI-ITbM, Nagoya University)	3aB04 Physiological role of thioredoxin-dependent regulation of phosphoribulokinase in <i>Arabidopsis thaliana</i> <u>Shoko Mihara</u> ¹ , Kazuha Fukui ² , Keisuke Yoshida ^{1,2} , Toru Hisabori ^{1,2} (¹ LCS, Tokyo Tech., ² Life Sci. Tech., Tokyo Tech.)	3aC04 Functional Analysis of Plasma Membrane-type SNARE Proteins in Arabidopsis Seed Coat Epidermal Cells <u>Tadashi Kunieda</u> ^{1,2,3} , Masa H Sato ⁴ , George W. Haughn ³ , Ikuko Hara-Nishimura ² (¹ Div. of Biol. Sci., NAIST, ² Fac. of Sci. and Eng., Konan Univ., ³ Dept. of Bot., UBC, ⁴ Grad. Sch. of Life and Environ. Sci., Kyoto Pref. Univ.)	3aD04 Functional comparison of APEM6-like proteins in peroxisome biogenesis <u>Akane Kamigaki</u> ¹ , Mikio Nishimura ² , Shoji Mano ^{1,3} (¹ Dept. Cell Biol., NIBB, ² Fac. Sci. Engin., Konan Univ., ³ Dept. Basic Biol., SOKENDAI)
10:00	3aA05 The ER pathway for membrane lipid synthesis plays a major role in shoot-removal-induced root chloroplast development in <i>Arabidopsis</i> <u>Tomoki Obata</u> ¹ , Koichi Kobayashi ² , Ryosuke Tadakuma ¹ , Taiki Akasaka ³ , Koh Iba ¹ , Juntaro Negi ¹ (¹ Dept. Biol., Fac. Sci., Kyushu Univ., ² Fac. Lib. Arts & Sci., Osaka Prefec. Univ., ³ Fac. Agr., Kyushu Univ.)	3aB05 Interaction between an Anti-sigma Factor-like Protein PmgA and Anti-sigma Factor Antagonists in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803 <u>Arisa Terada</u> , Yuji Takahashi, Kakeru Suzuki, Yuzuru Tozawa, Yukako Hihara (Grad. Sch. Sci. Eng., Saitama Univ.)	3aC05 Developmental dynamics of the oil body in <i>Marchantia polymorpha</i> <u>Takehiko Kanazawa</u> ^{1,2} , Takashi Ueda ^{1,2} (¹ Div. Cellular Dynamics, NIBB, ² Life Sci., SOKENDAI)	3aD05 In Planta Analysis of Plant Bilirubin Using a Ligand-induced Fluorescent Protein UnaG <u>Kazuya Ishikawa</u> ¹ , Xiaonan Xie ¹ , Atsushi Miyawaki ² , Keiji Numata ^{3,4} , Yutaka Kodama ¹ (Ctr. Biosci. Res. Educ., Utsunomiya Univ., ² BSI, RIKEN, ³ CSRS, RIKEN, ⁴ Grad. Sch. Eng., Kyoto Univ.)
10:15	3aA06 Heterologous complementation analysis reveals a distinct function of two glycosphingolipid subclasses in Arabidopsis <u>Yamato Kudo</u> , Atsuko Miyagi, Masatoshi Yamaguchi, Maki Kawai-Yamada, <u>Toshiki Ishikawa</u> (Grad. Sch. Sci. Eng., Saitama Univ.)	3aB06 Analysis of cyAbrB1 Transcription Factors in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803 using CRISPRi Technology <u>Atsuko Hishida</u> ¹ , Akitaka Higo ² , Minenosuke Matsutani ³ , Kaori Nimura-Matsune ⁴ , Satoru Watanabe ⁴ , Shigeki Ehira ² , Yukako Hihara ¹ (¹ Grad. Sch. Sci. Eng., Saitama Univ., ² Dept. Biol. Sci., Tokyo Metropolitan Univ., ³ NGRC, Tokyo Univ. Agric., ⁴ Dept. Biosci., Tokyo Univ. Agric.)	3aC06 Elucidation of the molecular mechanisms controlling oil body development in <i>Marchantia polymorpha</i> <u>Takuma Hiwataashi</u> ¹ , Takehiko Kanazawa ^{1,2} , Masaaki Watahiki ³ , Takashi Ueda ^{1,2} (¹ Division of Cellular Dynamics, NIBB, ² Department of Basic Biology, SOKENDAI, ³ Faculty of Science, Hokkaido University)	3aD06 Quantitative Analysis of Photo-dependently Changing in Plant Organelle Contact Sites <u>Keiko Midorikawa</u> ¹ , Ayaka Tateishi ¹ , Yutaka Kodama ² , Keiji Numata ^{1,3} (¹ RIKEN CSRS, ² Bio. Edu., Univ. Utsunomiya, ³ Grad. Eng., Univ. Kyoto)
10:30	3aA07 Regulation mechanisms for <i>cis</i> -prenyltransferases contributing to dolichol biosynthesis in <i>Arabidopsis thaliana</i> <u>Tomohiro Takahashi</u> , Humihiro Yanbe, Yuki Sakai, Chiho Minakawa, Toshiyuki Waki, Toru Nakayama, Seiji Takahashi (Grad. Sch. Eng., Tohoku Univ.)	3aB07 Regulatory Mechanism of DNA Binding Activity of the Transcription Factor RpaB in the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803 <u>Naoki Kato</u> , Taro Kadowaki, Yukako Hihara (Grad. Sch. Sci. Eng., Saitama Univ.)	3aC07 Clathrin-mediated endocytosis is not required for the polar localization of mineral transporters in rice <u>Noriyuki Konishi</u> , Jian Feng Ma (Okayama Univ. IPSR)	3aD07 Chloroplast Glue with Fluorescent Proteins <u>Shota Kato</u> ¹ , Kazuya Ishikawa ¹ , Yuta Fujii ¹ , Keiji Numata ^{2,3} , Yutaka Kodama ^{1,3} (¹ Ctr. Biosci. Res. Educ., Utsunomiya Univ., ² Dept. Mater. Chem., Kyoto Univ., ³ CSRS, RIKEN)


Room E	Room F	Room G	Room X	Room Y	Room Z	Time
Environmental responses A	Flowering/Clock	Environmental responses C				
<p>3aE01 Live-cell imaging of LZ1 in gravity-sensing cells <u>Shogo Mori</u>^{1,2}, Moritaka Nakamura², Ryuichiro Oshida¹, Hiromasa Shikata², Takeshi Nishimura², Masahiko Furutani³, Takumi Higaki⁴, Miyo Terao Morita² (¹Grad. Sch. Bioagri. Sci., Nagoya Univ., ²NIBB, ³Col. Life Sci., Fujian Agriculture and Forestry Univ., ⁴IROAST, Kumamoto Univ.)</p> <p>3aE02 Analysis for molecular functions of BIL8 that regulates plant gravitropism in brassinosteroid signaling <u>Shin Suzuki</u>¹, Ayumi Yamagami¹, Genki Nakata², Minami Matsui³, Tetsuo Kushiro², Tadao Asami⁴, Takeshi Nakano¹ (¹Grad. Sch. Biostudies, Kyoto Univ., ²Dept. Agri., Meiji Univ., ³RIKEN CSRS, ⁴Grad. Sch. Agri. Life Sci., University of Tokyo)</p> <p>3aE03 Environmental factors that stimulate the extracellular secretion of superoxide in the noxious red-tide-forming raphidophyte <i>Chattonella antiqua</i>. <u>Koki Yuasa</u>¹, Takayoshi Ichikawa¹, Yu Tamura¹, Tomoyuki Shikata², Yoshitaka Nishiyama¹ (¹Grad. Sch. Sci. Eng., Univ. Saitama, ²Fisher. Technol. Inst., Japan Fisher. Res. Edu. Agency)</p> <p>3aE04 Biochemical analysis of the extracellular secretion of superoxide in the noxious red-tide-forming raphidophyte <i>Chattonella</i> spp. <u>Takayoshi Ichikawa</u>¹, Koki Yuasa¹, Tomoyuki Shikata², Yoshitaka Nishiyama¹ (¹Grad. Sch. Sci. Eng., Saitama Univ., ²Fisher. Technol. Inst., Japan Fisher. Res. Edu. Agency)</p> <p>3aE05 Excess sterols disturb physiological functions in seeds, leaves and roots in <i>Arabidopsis thaliana</i> <u>Takashi Shimada</u>^{1,2}, Shuji Shigenobu³, Katsushi Yamaguchi³, Hiro Takahashi⁴, Shuichi Fukuyoshi⁴, Takashi Ueda³, Ikuko Hara-Nishimura⁵ (¹Graduate School of Horticulture, Chiba Univ., ²Plant Molecular Science Center, Chiba Univ., ³NIBB, ⁴Kanazawa Univ., ⁵Konan Univ.)</p> <p>3aE06 Occurrence of Reactive Carbonyl Species in the Cell Proliferation Sites in Lateral Root Formation <u>Jun'ichi Mano</u>¹, Mari Ikemoto², Katsunori Tanaka^{3,4}, Ambara Pradipta³ (¹Sci. Res. Center, Yamaguchi Univ., ²Fac. Agr., Yamaguchi Univ., ³RIKEN Cluster for Pioneering Research, ⁴Schl. Material Chem. Technol., Tokyo Inst. Tech.)</p> <p>3aE07 Regulation of H₂O₂-induced cell death under high light stress <u>Kana Kikuraku</u>¹, Gen Mitomi¹, Takakazu Matsuura², Izumi Mori², Takahisa Ogawa¹, Takahiro Ishikawa¹, Takanori Maruta¹ (¹Grad. Sch. Nat. Sci. Technol., Shimane Univ., ²Inst. of Plant Sci. and Resour., Okayama Univ.)</p>	<p>3aF01 Molecular mechanism for far-red light- and photoperiod-dependent growth phase transition in <i>Marchantia polymorpha</i> <u>Yuki Kanesaka</u>, Keisuke Inoue, Shohei Yamaoka, Takashi Araki (Grad. Sch. Biostudies, Kyoto Univ.)</p> <p>3aF02 Genes implicated in temperature compensation of the Arabidopsis circadian clock <u>Akari Maeda</u>¹, Hiromi Matsuo², Toshinori Kinoshita^{1,2}, Norihito Nakamichi^{1,2} (¹Grad. Sch. Sci., Nagoya Univ., ²ITbM., Nagoya Univ.)</p> <p>3aF03 Mode-of-Actions of plant clock modulators <u>Norihito Nakamichi</u>^{1,2}, Hiromi Matsuo¹, Azusa Ono², Akari Maeda², Ayato Sato¹, Kenichiro Itami^{1,2}, Toshinori Kinoshita^{1,2}, Junichiro Yamaguchi³ (¹ITbM, Nagoya Univ., ²Grad. Sch. Sci., Nagoya Univ., ³Dep. Appl. Chem.)</p> <p>3aF04 Circadian clock controls development of root hair in <i>Arabidopsis</i> <u>Taiga Uchikawa</u>¹, Yu Leng¹, Yohei Kondou², Akane Kubota¹, Motomu Endo¹ (¹Bioscience, NAIST, ²ExCELLS, National Institutes of Natural Sciences.)</p> <p>3aF05 Effects of cell-cell communication on the stability of cellular circadian rhythms in isolated cells of <i>Arabidopsis</i> <u>Shunji Nakamura</u>, Tokitaka Oyama (Grad. Sci., Univ. Kyoto)</p> <p>3aF06 Analysis on the behavior of uncoupled circadian rhythms detected by a dual-color bioluminescence monitoring system in duckweed plant <u>Emiri Watanabe</u>, Shogo Ito, Tokitaka Oyama (Grad. Sch. Sci., Kyoto Univ.)</p> <p>3aF07 Structural and functional analysis on receiver like domain of PRR7 that are implicated in central oscillator function of the circadian clock in <i>Arabidopsis thaliana</i> <u>Masahide Kobayashi</u>, Yusuke Takata, Chiaki Teramae, Takafumi Yamashino (Grad. Sch. Bioagr. Sci., Nagoya Univ.)</p>	<p>3aG01 E Oligouridylylate binding protein 1b (UBP1b) involved in heat stress adaptation through mRNA protection <u>Kentaro Nakaminami</u>¹, Cam Chau Thi Nguyen^{1,2}, Akihiro Matsui^{1,3}, Maureen Hummel⁴, Maho Tanaka^{1,3}, Junko Ishida^{1,3}, Satoshi Takahashi^{1,3}, Julia Bailey-Serres⁴, Motoaki Seki^{1,2,3} (¹CSRS, RIKEN, ²Kihara Inst. Biol. Res., Yokohama City Univ., ³CPR, RIKEN, ⁴Riverside, Univ. California)</p> <p>3aG02 A circadian rhythm regulator RpaA modulates the growth temperature preference by suppressing the photosynthetic electron transport in <i>Synechococcus elongatus</i> PCC 7942 <u>Hazuki Hasegawa</u>^{1,3}, Tatsuhiro Tsurumaki^{1,3}, Sousuke Imamura¹, Kintake Sonoike², Kan Tanaka¹ (¹CLS, Tokyo Tech, ²Fac. Edu. Integ. Arts Sci., Waseda Univ., ³Life Sci. Tech., Tokyo Tech)</p> <p>3aG03 Dissecting The Mechanism Underlying Natural Variation In Short-term Heat Tolerance Among <i>Arabidopsis thaliana</i> Accessions <u>Mao Ueki</u>¹, Fumiyo Myouga², Izumi Yotsui¹, Yoichi Sakata¹, Teruaki Taji¹ (¹Tokyo Univ. of Agriculture Dept. of Bioscience, ²Riken CSRS)</p> <p>3aG04 A large-scale evaluation for long-term heat tolerance on soil of <i>Arabidopsis thaliana</i> accessions <u>Kiyohito Sato</u>, Naoya Endo, Takuma Kajino, Izumi Yotsui, Yoichi Sakata, Teruaki Taji (Dept. of Bioscience Tokyo Univ. of Agriculture)</p> <p>3aG05 Identification of <i>Long-term Heat Tolerance 1</i> locus responsible for L-heat tolerance of <i>Arabidopsis thaliana</i> accessions <u>Kazuho Isono</u>¹, Keisuke Tanaka², Kousuke Hanada³, Izumi Yotsui¹, Yoichi Sakata¹, Teruaki Taji¹ (¹Dept. of Bioscience, Tokyo Univ. of Agriculture, ²NODAI Genome Research Center, ³Dept. Of Bioscience and Bioinformatics, Kyushu Institute of Technology)</p> <p>3aG06 Isolation and genetic analyses of <i>sensitive to long-term heat5 (sloh5)</i> mutant <u>Ryo Tsukimoto</u>, Kazuho Isono, Akihisa Shinozawa, Izumi Yotsui, Yoichi Sakata, Teruaki Taji (Tokyo University Of Agriculture Bioscience)</p> <p>3aG07 Analyses of a long coiled-coil protein, concerned in <i>PIF4</i> mRNA induction under warm temperature <u>Arisa Nakamura</u>¹, Takumi Tamura², Naoki Sakamoto², Mako Uemura², Nanako Miyazaki², Saki Ueda¹, Tsuyoshi Furumoto^{1,2} (¹Grad. Sch. Agr., Univ. Ryukoku, ²Facu. Sch. Agr., Univ. Ryukoku)</p>	Symposium S11	Symposium S12		09:00 09:15 09:30 09:45 10:00 10:15 10:30



Elongate, bend, and expand: Deciphering plant growth strategy from its mechanics (9:00-11:50)

Molecular Mechanisms of Transcriptional Repression in Plants (9:00-12:00)

E=Presentation in English

● Day 3, Tue., March 16, AM (9:00–12:00)

Time	Room A	Room B	Room C	Room D
	Primary metabolism	Environmental responses of photosynthesis	Epigenetic regulation	Organelles/Cytoskeleton
10:45	<p>3aA08 A START domain-containing protein is involved in the incorporation of ER-derived fatty acids into chloroplast glycolipids in <i>Marchantia polymorpha</i> <u>Takashi Hirashima</u>¹, Haruhiko Jimbo¹, Koichi Kobayashi², Hajime Wada¹ (¹Grad. Sch. Arts Sci., Univ. Tokyo, ²Faculty Arts Sci., Osaka Pref. Univ.)</p>		<p>3aC08 Auxin-mediated regulation of heterochromatin formation <u>Shiori S.Aki</u>, Masaaki Umeda (Grad. Sch. Sci. Tech., NAIST)</p>	<p>3aD08 Relationship between cell shapes and microtubule organizations in cotyledon pavement cells <u>Daichi Yoshida</u>¹, Liu Bo², Takumi Higaki³ (¹Faculty of Sci, Univ. Kumamoto, ²UC, Davis, ³IROAST, Univ. Kumamoto)</p>
11:00	<p>3aA09 Delay in NADP⁺ decrease has a significant impact on the metabolic responses in dark <u>Shin-nosuke Hashida</u>¹, Atsuko Miyagi², Maki Kawai-Yamada² (¹Env. Sci. Res. Lab., CRIEPI, ²Grad. Sch. Sci. Eng., Saitama Univ.)</p>		<p>3aC09  Unraveling the Role of Chromatin Regulation in Response to Nitrate Variation for Cytokinin Biosynthesis <u>Olivia Tjahjono</u> (Laboratory for Plant Signaling, School of Agricultural Sciences, Nagoya University)</p>	<p>3aD09 Myosin XIs are involved in cortical microtubule orientation and cell elongation in root epidermal cells <u>Motoki Tominaga</u>^{1,4}, Hirotomo Takatsuka², Shun Kawabata¹, Masaaki Umeda³ (¹Grad. Sch. Adv. Sci. and Eng., Univ. Waseda, ²Grad. Sch. Biol. Sci. Tech., Kanazawa Univ., ³Grad. Sch. Sci. Tech., NAIST, ⁴Fac. Educ. Integrated Arts. Sci., Bio., Univ. Waseda)</p>
11:15			<p>3aC10 Recorder and Decoder; Two Modes of H3K4 methylation Revealed by Machine Learning <u>Satoyo Oya</u>¹, Soichi Inagaki¹, Tetsuji Kakutani^{1,2} (¹Dept. of Biol. Sci., Grad. Sch. of Sci., Univ. Tokyo, ²Natl. Inst. of Genetics)</p>	<p>3aD10 Inducible overexpression of NIMA-related kinases suppresses thallus growth in a liverwort <i>Marchantia polymorpha</i> <u>Hikari Mase</u>¹, Yoshihiro Yoshitake², Takayuki Kohchi², Taku Takahashi¹, Hiroyasu Motose¹ (¹Dep. Biol., Fac. Sci., Okayama Univ., ²Grad. Sch. Biostudies, Kyoto Univ.)</p>
11:30			<p>3aC11 AS2 bodies colocalize with chromocenters that include ribosomal DNA around nucleolus <u>Hidekazu Iwakawa</u>¹, Takuya Sakamoto², Yuuki Sakamoto³, Mika Nomoto⁴, Sachihiko Matsunaga⁵, Yasuomi Tada⁴, Sayuri Ando¹, Shoko Kojima¹, Yasunori Machida⁴, Chiyoko Machida¹ (¹Chubu Univ., ²Grad. Sch. Sci. and Technol., Tokyo Univ. of Sci., ³Grad. Sch. Sci., Osaka Univ., ⁴Grad. Sch. Sci., Nagoya Univ., ⁵Grad. Sch. Frontier Sci., Univ. of Tokyo)</p>	<p>3aD11 An armadillo-repeat kinesin regulates rhizoid growth through microtubule organization and organelle transport <u>Asaka Kanda</u>, Taku Takahashi, Hiroyasu Motose (Grad. Sch. Nat. Suc. & Tech., Okayama Univ.)</p>
11:45				<p>3aD12 Helical-growth wonderland and the end of the straight growth <u>Hiroyasu Motose</u> (Grad. Sch. Nat. Sci. & Tech., Okayama Univ.)</p>

Room E	Room F	Room G	Room X	Room Y	Room Z	Time
Environmental responses A	Flowering/Clock	Environmental responses C				
<p>3aE08 Dynamic polarity changes of <i>Arabidopsis</i> AGC protein kinases at the plasma membrane re-orientate root hair cell growth <u>Hiromasa Shikata</u>^{1,2,3,4}, Martina Kolb¹, Ulrich Hammes¹, Naoki Yanagisawa², Yoshikatsu Sato², Tetsuya Higashiyama^{2,5}, Claus Schwechheimer¹ (1Chair of Plant Systems Biology, TU Munich, 2ITbM, Nagoya Univ., 3PRESTO, JST, 4Div. of Plant Environmental Responses, NIBB, 5Fac. Sci., Univ. Tokyo)</p> <p>3aE09 Functional analysis of AS2/LOB domain transcription factors responsible for the movement of <i>Mimosa pudica</i> <u>Masamichi Ueda</u>^{1,2}, Hiroaki Mano^{1,2,3}, Chao-Li Huang⁴, Tomoaki Nishiyama⁵, Shuji Shigenobu^{2,6}, Mitsuyasu Hasebe^{1,2} (1Div. Evol. Biol., NIBB, 2Sch. Life Sci., SOKENDAI, 3PRESTO, JST, 4Inst. Trop. Plant Sci. Microbiol., NCKU, 5Adv. Sci. Res. Cen., Kanazawa Univ., 6Funct. Genomics Fac., NIBB)</p> <p>3aE10  Sucrose alters <i>Arabidopsis thaliana</i> root diameter and mechanics <u>Marcel Pascal Beier</u>¹, Shumpei Hayashi², Hirotaka Hida², Kyoko Miwa³, Toru Fujiwara¹ (1Grad. Sch. Agr. Life Sci., Univ. Tokyo, 2Dpt. Mech Eng., Kobe Univ., 3Grad. Sch. Environ. Sci., Hokkaido Univ.)</p> <p>3aE11  Boron induced stiffness changes in <i>Arabidopsis</i> roots <u>Yunshu Wang</u>¹, Marcel Pascal Beier¹, Shumpei Hayashi², Kyoko Miwa³, Hirotaka Hida², Toru Fujiwara¹ (1Dep. Appl. Bio. Chem., Grad. Sch. Agri. Life Sci., Univ. of Tokyo, 2Dep. Mech. Eng., Kobe Univ., 3Grad. Sch. Environ. Sci., Hokkaido Univ.)</p>	<p>3aF08 Binding Mode of KaiA to the C-Terminal Region of the Cyanobacterial Clock Protein KaiC <u>Genta Mizuno</u>, Yasuhiro Onoue, Kazuki Terauchi (Col. Life Sci., Ritsumeikan Univ.)</p>	<p>3aG08 Expression of the anther-specific transcription factor OsMYB80 is impaired under high-temperature-induced male sterility conditions in rice <u>Makiko Kawagishi-Kobayashi</u>¹, Ryuji Kuroda², Atsushi Higashitani³, Yuzuru Tozawa² (1NIAS, NARO, 2Grad. Sch. Sci. Eng., Saitama Univ., 3Grad. Sch. Life Sci., Tohoku Univ.)</p> <p>3aG09 Artificial mimicry of plant seasonal responses in a smart growth chamber mini <u>Yuko Kurita</u>¹, Hironori Takimoto², Mari Kamitani¹, Yoichi Hashida³, Makoto Kashima¹, Ayumi Tezuka¹, Takanari Tanabata⁴, Atsushi J. Nagano^{1,5} (1Faculty of Agriculture, Ryukoku University, 2Faculty of Computer Science and Systems Engineering, Okayama Prefectural University, 3Faculty of Agriculture, Takasaki University of Health and Welfare, 4Kazusa DNA Research Institute, 5IAB, Keio Univ.)</p>	<p>Symposium S11 Elongate, bend, and expand: Deciphering plant growth strategy from its mechanics (9:00-11:50)</p>	<p>Symposium S12 Molecular Mechanisms of Transcriptional Repression in Plants (9:00-12:00)</p>		<p>10:45</p> <p>11:00</p> <p>11:15</p> <p>11:30</p> <p>11:45</p>

=Presentation in English