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.

- The Presenter View, a display mode that allows presenters to see notes and upcoming slides, can often cause screen-sharing failures. Please avoid using it whenever possible.

For online presenters

- Connection test is not offered in this meeting.

- When your turn comes, please show your slides by sharing the screen and turn on the microphone and video in the Zoom webinar.

For chairpersons

- 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.

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

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

Time	Room A	Room B	Room C	Room D
	Photosynthesis	Primary metabolism	Specialized (secondary) metabolism	Genome function / gene regulation
09:30	1aA-01 Siphonein enables an effective photoprotective triplet quenching mechanism in green algal light-harvesting complexes Ritsuko Fujii[1,2], Alessandro Agostini[3], Soichiro Seki[2,4], Andrea Calcinoni[3], Lopa Paul[3], Agostino Migliore[3], Donatella Carbonera[3] ([1]ReCAP, Osaka Metropolitan Univ., [2]Grad. Sch. Sci., Osaka Metropolitan Univ., [3]Dept. Chem. Sci., Univ. Padova, [4]IPR, Univ. Osaka)	1aB-01 Effects of light intensity and light/dark periods on oxalate synthesis pathways in leaves of oxalate-rich plant Atsuko Miyagi[1], Wakana Sakuma[2], Hideki Murayama[1] ([1]Fac. of Agri., Yamagata Univ., [2]Grad. Sch. of Agri., Yamagata Univ.)	1aC-01 Investigation of Phenylacyl-flavonoid Biosynthesis in *Raphanus spp.* Yanghee Kim, Sayuri Yasukawa, Yuting Liu, Shinichiro Komaki, Mutsumi Watanabe, Takayuki Tohge (Grad. Sch. of Sci. & Tech., NAIST)	1aD-01 Developing a Versatile DNA Methylation Editing System in Arabidopsis Shunya Hirata[1], Yoko Ikeda[2], Kappei Kobayashi[3], Taisuke Nishimura[4], Hidetaka Kaya[3] ([1]UGAS, Ehime University, [2]IPSR, Okayama University, [3]Graduate School of Agriculture, Ehime University, [4]Graduate School of Engineering, Nagaoka University of Technology)
09:45	1aA-02 Analysis of the phycobilisome linker CpeC involved in cyanobacterial adaptation to diverse light environments Takako Ogawa[1], Shigeru Kawai[2], Yuu Hirose[2], Yukako Hihara[1] ([1]Saitama Univ., [2]Toyohashi Tech.)	1aB-02 Nitrogen fixation by the newly isolated unicellular cyanobacterium *Synechocystis* sp. LKSZ1 Leonardo Ken Okumura[1], Mari Banba[2], Kazuma Uesaka[2], Yuichi Fujita[2], Shinji Masuda[1] ([1]LST, Science Tokyo, [2]Grad. Sch. Bioagri. Sci. Univ. Nagoya)	1aC-02 Differential regulation of biliverdin export among organelles during heme metabolism Mone Shibata[1,2], Keiji Yoshida[1,2], Yutaka Kodama[1,2] ([1]Ctr. Biosci. Res. Educ., Utsunomiya Univ, [2]Grad. Sch. Reg. Dev. Creat., Utsunomiya Univ.)	1aD-02 Spatial chromatin analysis of epigenomic state transition in the rice shoot apical meristem using ATAC-see Yurika Morishita[1], Ryosuke Takata[2], Aya Yoshida[2], Asuka Higo[2], Yusuke Miyanari[3], Akihito Harada[4], Hiroyuki Tsuji[2,5] ([1]Grad. Sch. Bioagric. Sci., Nagoya Univ., [2]Kihara Inst. Biol. Res., Yokohama City Univ., [3]NanoLSI. Kanazawa Univ., [4]Grad. Sch. Med. Sci., [5]Biosci. Biotechnol. Center, Nagoya Univ.)
10:00	1aA-03 E A peripheral antenna required for non-photochemical quenching and Lhcx1 abundance in the diatom *Chaetoceros gracilis* Jian Xing[1], Minoru Kumazawa[1,2], Kentaro Ifuku[1] ([1]Grad. Sch. Agri., Kyoto Univ., [2]Inst. Low Temp. Sci., Hokkaido Univ.)	1aB-03 Effects of inorganic nitrogen nutrition on adventitious bud formation from leaves of three *Drosera* species Juse Okamoto[1], Taketo Ishikawa[2], Shin-ichiro Ito[1], Mayu Inayoshi[2], Motoki Sato[2], Koichi Hasegawa[2], Arisa Yoshioka[2], Nobuyuki Takatani[2], Tatsuo Omata[2], Makiko Aichi[2] ([1]Grad. Sch. Biosci. Biotech., Chubu Univ, [2]Col. Biosci. Biotech., Chubu Univ)	1aC-03 Subcellular distribution and homeostasis of flavin mononucleotide in plants Shintaro Ichikawa[1,2], Yutaka Kodama[1,2] ([1]Ctr. Biosci. Res. Educ., Utsunomiya Univ., [2]Grad. Sch. Reg. Dev. Creat., Utsunomiya Univ.)	1aD-03 Changes in chromatin accessibility during the floral transition in the shoot apical meristem of rice Eri Funayama[1,2], Aoi Hosaka[3], Hiroko Akashi[2], Yurika Morishita[1], Kaho Yamaguchi[2], Aya Yoshida[2], Haruna Kida[2], Hideki Yoshida[2], Jun Ito[2], Taiji Kawakatsu[4], Hiroyuki Tsuji[5] ([1]Grad. Sch. Bioagric. Sci., Nagoya Univ., [2]Kihara Inst. Biol. Res., Yokohama City Univ., [3]Nihon BioData Co., [4]RIKEN BRC, [5]Biosci. Biotechnol. Center, Nagoya Univ.)
10:15	1aA-04 Excitation energy landscape of 5 type-I reaction centers Akihiro Kimura[1], Hirotaka Kitoh[2], Shigeru Itoh[1] ([1]Grad. Sch. Sci., Nagoya Univ., [2]Dep. Eng. Mat., Kindai Univ.)	1aB-04 GS1;2-Dependent Allometric Plasticity and Population-Level Responses in Rice Amane Takayama, Soichi Kojima (Graduate School of Agricultural Science, Tohoku University)	1aC-04 E Identification of a novel vacuolar transporter involving indole glucosinolates accumulation in Arabidopsis Kaichiro Endo[1], Anna Piasecka[2], Pawel Bednarek[2], Kenji Yamada[1] ([1]Malopolska Centre of Biotechnology, Jagiellonian University, Krakow, Poland, [2]Institute of Bioorganic Chemistry, Polish Academy of Sciences, Poznan, Poland)	1aD-04 Expression regulome of the germline differentiation factor Mp*BONOBO* in the liverwort *Marchantia polymorpha* Yoshihiro Yoshitake[1], Kenta Tanaka[1], Haruki Okamoto[1], Ryuichi Nishihama[2], Shohei Yamaoka[1], Takayuki Kohchi[1] ([1]Grad. Sch. Biostudies, Kyoto Univ., [2]Dept. Appl. Biol. Sci., Fac. Sci. Tech., Tokyo Univ. Sci.)
10:30	1aA-05 Theoretical Analysis of Quinone/Chl Bindings to Plant/Bacterial Type-I,-II Reaction Centers; PSI is Unique! Ayumu Takagi[1], Kotaro Tateoka[1], Natuya Kashida[2], Akihiro Kimura[3], Shigeru Itoh[3], Hirotaka Kitoh[1,2] ([1]Grad Sch, Kindai Univ., [2]Dep Engi Mat Kindai Univ, [3]Dept Physics, Nagoya Univ)	1aB-05 Functional analysis of HOMEOBOX PROTEIN52 transcription factor involved in root nitrogen responses in Arabidopsis Hinako Akaike, Erina Akioka, Yasuhito Sakuraba, Shuichi Yanagisawa (Agro-Biotech. Res. Center, Grad. Sch. Agri. Life Sci., Univ. Tokyo)	1aC-05 Platform of BVOC identification using *Arabidopsis thaliana* Kanako Sekimoto[1,2], Ryusuke Sugiyama[1,3], Daisuke Fukuyama[2], Yukiko Ro[3], Mika Nomoto[1,4], Yasuomi Tada[4], Yusuke Aihara[1,5] ([1]JST-PRESTO, [2]Grad. Sch. Sci., Yokohama City Univ., [3]Grad. Sch. Sci., Yokohama City Univ., [4]Centr. Gene Res., Nagoya Univ., [5]Grad. Sch. Sci., Kobe Univ.)	1aD-05 E Essential Contributions of GmDDM1 to Epigenetic Stability and Seed Development in Soybean Ahsen Gers[1], Kana Shiraishi[1], Kaoru Tonosaki[2], Satoru Okamoto[1], Akito Kaga[3], Ryota Kuroda[1], Jun-ichi Matsuoka[1,4], Atsushi Toyoda[5], Taiji Kawakatsu[6], Chiho Maruko[1], Kazuki Takahashi[1], Keiichi Okazaki[1], Moeko Okada[1], Eigo Fukai[1] ([1]Grad. Sch. Sci. Tech., Niigata Univ., [2]Kihara Inst. Biol. Res., Yokohama City Univ., [3]Inst. Crop Sci. (NICS), NARO, [4]Cent. Reg. Agr. Res. Cent., NARO, [5]Adv. Gen. Cent., NIG, [6]Exp. Plant Div., RIKEN BRC)
10:45	1aA-06 E Roles of carotenoid glycosides in the protection of photosystem II from photoinhibition in the cyanobacterium *Synechocystis* sp. PCC 6803 Rattanaporn Songserm[1], Shinichi Takaichi[2], Haruhiko Jimbo[1], Yoshitaka Nishiyama[1] ([1]Grad. Sch. Sci. Eng., Saitama Univ., [2]Dept. Mol. Microbiol., Tokyo Univ. Agr.)	1aB-06 The role of HASTY protein in miRNA dynamics during nutrient deficiency in Arabidopsis Asuka Torii, Mailun Yang, Yasuhito Sakuraba, Shuichi Yanagisawa (Agro-Biotech. Res. Center, Grad. Sch. Agri. Life Sci., Univ. Tokyo)	1aC-06 Integrated Omics Analysis of Cultivated Soybean Soil under Environmental Stress Conditions Suzuka Matsuki[1], Yu Kobayashi[2], Yui Nose[3], Yasunori Ichihashi[3], Daichi Nakatani[4], Fumie Kabashima[4], Miyako Kusano[3,5,6] ([1]Grad. Sch. Life & Earth. Sci., Univ. Tsukuba, [2]Under Grad. Sch. Life & Env. Sci., Univ. Tsukuba, [3]RIKEN CSRS, [4]LECO Japan Co., [5]Life and Env. Sci., Univ. Tsukuba, [6]T-PIRC, Univ. Tsukuba)	1aD-06 E Epigenetic defense priming by *Lr24* modulates post-transcriptional regulation in wheat during leaf rust pathogenesis Uzma Afreen, Kunal Mukhopadhyay, Manish Kumar (Department of Bioengineering and Biotechnology, Birla Institute of Technology, Mesra, Ranchi-835215, Jharkhand, India)

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Development / Morphogenesis	New technology	Environmental response A / Physiological responses	Environmental response B / Environmental stresses				
1aE-01 Functional validation of candidate genes associated with heterosis in *Arabidopsis thaliana* Ryuma Maeda[1], Yuko Wada[1], Wijayanti Putri[1], Kazuaki Utsugi[1], Seiji Takayama[2], Toshiro Ito[1] ([1]NAIST, [2]Grad. Sch. of Agri. Life Sci. Tokyo Univ.)	1aF-01 Development of a heterologous expression-based platform for functional analysis of GLRs Chiaki Tatsumi[1], Emi Sato-Ebine[1], Hiraku Suda[1], Masatsugu Toyota[1,2,3] ([1]Dept. Biochem. Mol. Biol., Saitama Univ, [2]SunRiSE, Suntory Fdn. Life Sci., [3]Coll. Plant Sci. Technol., Huazhong Agric. Univ.)	1aG-01 Fragment screening and fragment growing toward INO1 antagonists for reducing phytic acid content in crops Tatsuki Akabane[1,2], Satoshi Kamino[3], Tomoki Okamura[2], Kazuyoshi Ikeda[1,4], Tomoki Yonezawa[4,5], Yugo Shimizu[1], Seiji Nagasaka[2], Etsuko Katoh[6], Naoki Hirotsu[2] ([1]R-CCS, RIKEN, [2]Grad. Sch. Life Sci., Toyo Univ., [3]CRYO SHIP Inc., [4]Fac. Pharm., Keio Univ., [5]Lifematics Inc., [6]Grad. Sch. Food Nutr. Sci., Toyo Univ.)	1aH-01 B4-RAF Kinases are involved in SnRK2-independet osmostress response in *Physcomitrium patens* Maho Mizuno, Izumi Yotsui, Teruaki Taji, Yoichi Sakata (Dept. of Biosci., Tokyo Univ. of Agri.)	Symposium S01 Frontiers in Developing Climate-Resilient and Socially Accepted Plants (9:30-12:30)	Symposium S02 Unlocking New Frontiers in Plant Physiology with Mass Spectrometry (9:30–12:30)	Symposium S03 Advances in Engineering and Regulation of Plastids and Photosynthesis (9:30–12:30)	09:30
1aE-02 Ⓔ Molecular landscape of wound-induced callus: Illuminating stem cell reformation and function through spatial omics Akira Iwase[1], Minne Max[1], Kotaro Torii[1,2], Hatsune Morinaka[1], Tetsuya Mori[1], Ayako Kawamura[1], Arika Takebayashi[1], Masami Y. Hirai[1], Keiko Sugimoto[1] ([1]RIKEN CSRS, [2]RIKEN TRIP-AGRIS)	1aF-02 Development of a rhizosphere imaging method: Capturing rhizosphere microorganisms with biological cross-sectional polishing SEM (bioCP-SEM) Kiminori Toyooka, Yuko Saito, Satomi Kojima, Yumi Goto, Mayuko Sato (RIKEN CSRS)	1aG-02 Novel Functions of Peptide Molecules in Environmental Stress Adaptation Akie Shimotohno, Yujuan Du (Nagoya University)	1aH-02 Genetic analysis of the Osmo-sensitive locus in *Arabidopsis thaliana* accessions Yusuke Murakoshi[1], Kosuke Banba[1], Takahiro Hirano[1], Goro Masuda[3], Hirotaka Ariga[2], Keisuke Tanaka[3], Izumi Yotsui[1], Yoichi Sakata[1], Teruaki Taji[1] ([1]Dept. of Biosci., Tokyo Univ. of Agri., [2]Res. Cent. of Gen. Res., NARO, [3]Nodai Genome Research Center)				09:45
1aE-03 Ⓔ Morphological and Phenological Characterization of Flowering Traits in French Marigold (*Tagetes patula* L.) Dewi Sukma[1], Muhamad Aksan Raditya[1], Syarifah Iis Aisyah[1], Krisantini Krisantini[1], Muhamad Syukur[1], Ming-Tsair Chan[2] ([1]Department of Agronomy and Horticulture, Faculty of Agriculture, IPB University, Indonesia, [2]Academia Sinica Biotechnology Center in Southern Taiwan, Agricultural Biotechnology Research Center, Taiwan)	1aF-03 Ⓔ Block-face serial fluorescence microscopy for plant tissue imaging at a cellular level Dongbo Shi (RIKEN CSRS)	1aG-03 Chelation-based iron uptake enhances prolonged heat tolerance in Wheat and *Brachypodium* Anzu Minami[1,2], Yoshihiko Onda[1], Minami Shimizu[1], Yukiko Uehara-Yamaguchi[1], Tomoko Nozoye[3,4], Motofumi Suzuki[5], Keitaro Tanoi[4], Keiichi Mochida[1,2,6] ([1]RIKEN, CSRS, [2]Kihara Institute for Biological Research, Yokohama City University, [3]Center for Liberal Arts, Meiji Gakuin University, [4]Graduate School of Agricultural and Life Sciences, The University of Tokyo, [5]Aichi Steel Corporation, [6]School of Information and Data Sciences, Nagasaki University)	1aH-03 Isolation of *acquired osmotolerance-defective* (*aod*) mutants in the Arabidopsis *acqos* background Kenta Tamaki[1], Goro Masuda[2], Izumi Yotsui[1], Yoichi Sakata[1], Teruaki Taji[1] ([1]Dept. of Biosci., Tokyo Univ. of Agri, [2]NODAI Genome Research Center)				10:00
1aE-04 Surgical manipulation of barley inflorescence meristem Mari Tanaka[1], Hiroko Akashi[1], Hiroyuki Tsuji[1,2] ([1]Kihara Inst. Biol. Res., Yokohama City Univ., [2]Bioisci. Biotechnol. Center, Nagoya Univ.)	1aF-04 Development of highly efficient and precise genome editing system using TiD-X in rice Shota Muromoto[1], Mumu Kato[1], Miyu Asari[1], Naoki Wada[2], Keishi Osakabe[2], Yuriko Osakabe[1] ([1]生命理工, [2]社会産業理工)	1aG-04 Ⓔ L-DOPA promotes cadmium tolerance and triggers iron deficiency genes in Arabidopsis thaliana Ching-Yuan Chang, En-Jung Hsieh, Louis Grillet (National Taiwan University, Department of Agricultural Chemistry)	1aH-04 Membrane trafficking factor PEN1 regulates root growth under osmotic stress conditions in *Arabidopsis thaliana* Miho Kikuchi[1], Hiroto Yoshida[2], Haruka Otani[2], Fuminori Takahashi[1,2] ([1]Fac. Adv. Eng., TUS, [2]Grad. Sch. Fac. Adv. Eng., TUS)				10:15
1aE-05 Development of PHYTOMap for rice shoot apical meristem Koki Iwama[1], Yurika Morishita[1], Hiroyuki Tsuji[2,3] ([1]Grad. Sch. Bioagric. Sci., Nagoya Univ., [2]Kihara Inst. Biol. Res., Yokohama City Univ., [3]Biosci. Biotechnol. Center, Nagoya Univ.)	1aF-05 Efficient targeted random mutagenesis of the chloroplast-encoded *petA* gene in *Arabidopsis thaliana* Issei Nakazato, Wataru Yamori, Yoshiko Tamura, Reiko Masuda, Shin-ichi Arimura (Grad. Sch. Agri. Life Sci., Univ. Tokyo)	1aG-05 Magnesium enhances the growth-regulatory function of oxidized glutathione in rice and other plant species Satoshi Mochizuki, Ken'ichi Ogawa (RIBS Okayama)	1aH-05 Role of two-component signaling pathway in environmental stress responses of *Physcomitrium patens* Ryota Waku, Taketo Sasaki, Izumi Yotsui, Teruaki Taji, Yoichi Sakata (Dept. Bioscience, Tokyo Univ. of Agriculture)				10:30
1aE-06 Development of Expansion microscopy for intracellular imaging in the rice shoot apical meristem Yukichi Ishida[1], Yurika Morishita[2], Koki Iwama[2], Hiroyuki Tsuji[3,4] ([1]Sch. Agric., Nagoya Univ., [2]Grad. Sch. Bioagric. Sci., Nagoya Univ., [3]Biosci. Biotechnol. Center, Nagoya Univ., [4]Kihara Inst. Biol. Res., Yokohama City Univ.)	1aF-06 Precise knock-in of stress-responsive cis-regulatory elements using gene targeting for improving abiotic stress tolerance in plant Daisuke Miki (Shenzhen University of Advanced Technology)	1aG-06 Exogenous GSSG Enhances Phosphate Acquisition Efficiency and Plant Growth Ken'ichi Ogawa, Satoshi Mochizuki, Kenji Henmi (Research Institute Biological Sciences, OKAYAMA (RIBS OKAYAMA))	1aH-06 Analysis of salt-spray stress response in Arabidopsis Yoichi Chiba[1], Yusuke Murakoshi[1], Akito Hosoi[2], Izumi Yotsui[1], Yoichi Sakata[1], Teruaki Taji[1] ([1]Dept. of Biosci., Tokyo Univ. of Agri, [2]NODAI Genome Research Center)				10:45

Ⓔ=Presentation in English

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

Time	Room A	Room B	Room C	Room D
	Photosynthesis	Primary metabolism	Specialized (secondary) metabolism	Genome function / gene regulation
11:00	1aA-07 Insights into the structural evolution of the Phycobilisome from primitive red alga *Cyanidioschyzon merolae* Yuya Fujita[1,2], Soichiro Seki[1], Akihiro Kawamoto[1,2], Shigeru Kawai[3], Yuu Hirose[3], Genji Kurisu[1,2] ([1]UOsaka, Institute for Protein Research (IPR), Japan, [2]UOsaka, Grad. Sch. Eng., Japan, [3]Toyohashi Univ. of Tech., Grad. Sch. Eng., Japan)	1aB-07 Exploration of Key Genes Underlying Traits for Overcoming Low-Nitrogen Environments in an *Arabidopsis thaliana* Natural Accession Keina Monda[1], Satoshi Iuchi[2], Masatomo Kobayashi[2], Hiroko Matsunaga[3], Haruko Takeyama[3,4,5], Juntaro Negi[1], Yasuhito Sakuraba[6], Shuichi Yanagisawa[6], Koh Iba[1] ([1]Dept. Biol., Fac. Sci., Kyushu Univ., [2]RIKEN BRC, [3]Res. Org. Nano Life Innov., Waseda Univ., [4]Grad. Sch. Adv. Sci. Eng., Waseda Univ., [5]Inst. Adv. Res. Biosyst. Dynam., Waseda Res. Inst. Sci. Eng., Waseda Univ., [6]Grad. Sch. Agri. Life Sci., Univ. Tokyo)		1aD-07 The Regulation of Histone Modification by ACTIN DEPLYMERIZING FACTOR in *Arabidopsis thaliana* Fumiya Nakano[1], Yayoi Inui[2], Kouta Higashi[3], Shizue Yoshihara[3], Sachihiro Matsunaga[2], Noriko Inada[1] ([1]Grad. Sch. Agr., Univ. Osaka. Met, [2]Grad. Sch. Fro. Sci., Univ. Tokyo, [3]Grad. Sch. Sci., Univ. Osaka. Met)
11:15	1aA-08 Microspectroscopic analysis of photosynthetic proteins preserved in Kaiike-kerogen Risa Kojima[1], Tomohiro Ishikawa[2], Ryosuke Saito[3], Toru Kondo[1,4] ([1]NIBB, [2]Dept. of Life Sci. and Tech., Science Tokyo, [3]Dept. of Earth Sci., Yamaguchi Univ., [4]ExCELLS)	1aB-08 LBD-type transcription factors integrate local nitrogen status to optimize nitrogen uptake and metabolism at the systemic level Takatoshi Kiba[1], Hana Takahashi[2], Yukino Sada[2], Kota Monden[3], Hitoshi Sakakibara[2] ([1]IPSR, Okayama Univ., [2]Grad. Sch. Bioagr. Sci, Nagoya Univ., [3]Grad. Sch. Nat. Sci. Tech, Shimane Univ.)		1aD-08 Analysis of novel transcriptional regulators for regulation of ABA biosynthesis through osmotic-stress inducible liquid-liquid phase separation Hikaru Sato[1,2], Satoru Fujimoto[3], Miki Fujita[2], Fuminori Takahashi[2], Keiko Kuwata[4], Sachihiro Matsunaga[1,3], Kazuko Yamaguchi-Shinozaki[5,6], Kazuo Shinozaki[2] ([1]Dept. of Integr. Biosci., Univ. Tokyo, [2]RIKEN CSRS, [3]Dept. of Appl. Biol. Sci., Tokyo Univ. of Sci., [4]ITbM, Nagoya Univ., [5]Grad. Sch. Agr. Life Sci., Univ. Tokyo, [6]Res. Inst. Agr. Life Sci., Tokyo Univ. Agr.)
11:30	1aA-09 High-light acclimation of photosynthetic apparatus in cyanobacteria from extreme environments Shigeru Kawai[1], Keisuke Takamune[1], Takumi Murakami[2], Takahiro Segawa[3], Nozomu Takeuchi[4], Yuu Hirose[1] ([1]Grad. Sch. Tech., Toyohashi Univ. of Tech., [2]Sch. Life Sci. and Tech., Inst. Sci. Tokyo, [3]Sch. Med., Univ. Yamanashi, [4]Sch. Sci., Univ. Chiba)	1aB-09 Functional analysis of the transcription factor FBH4 and its target genes in regulating low-nitrogen responsive gene expression in Arabidopsis Miho Sanagi[1], Madoka Ogura[2], Tomoka Tachibana[2], Soichi Inagaki[3], Junpei Takagi[1], Takeo Sato[1] ([1]Fac. Sci., Hokkaido Univ., [2]Grad. Sch. Life Sci., Hokkaido Univ., [3]Grad. Sch. Sci, Univ. Tokyo)		1aD-09 E H3K9 acetylation dynamics orchestrate early anti-herbivore defence in Arabidopsis Ahmed Yusuf[1,2], Kota Wakaya[2], Takuya Sakamoto[3], Takuya Uemura[2], Koudai Okamura[2], Abdelaziz Ramadan[2], Akira Nozawa[4], Takamasa Suzuki[5], Yayoi Inui[6], Sachihiro Matsunaga[6], Tatsuya Sawasaki[4], Gen-ichiro Arimura[2] ([1]RIKEN - CSRS - Cambial Stem Cell System ECL Research Unit, [2]Department of Biological Science and Technology, Faculty of Advanced Engineering, Tokyo University of Science, Tokyo, Japan, [3]Department of Science, Faculty of Science, Kanagawa University, Yokohama, Japan, [4]Proteo-Science Center, Ehime University, Matsuyama, Japan, [5]College of Bioscience and Biotechnology, Chubu University, Kasugai, Japan, [6]Department of Integrated Biosciences, Graduate School of Frontier Sciences, The University of Tokyo, Kashiwa, Japan)
11:45	1aA-10 Structural and functional characterization of far-red excitons in the LHC from the Eustigmatophyceae alga *Trachydiscus minutus* Soichiro Seki[1], Lorenzo Cupellini[2], David Bina[3,4], Elena Betti[2], Petra Urajová[5], Hideaki Tanaka[1], Tomoko Miyata[6,7], Keiichi Namba[6,7], Genji Kurisu[1,7,8], Tomáš Polívka[3], Radek Litvin[3,4], Ritsuko Fujii[9,10] ([1]IPR, UOsaka, [2]Dipartimento di Chimica e Chimica Industriale, Univ. of Pisa, [3]Faculty of Science, Univ. of South Bohemia in České Budějovice, [4]Czech Academy of Sciences, Biology Centre, Institute of Plant Molecular Biology, [5]Centre Algatech, Institute of Microbiology, Czech Academy of Sciences, [6]Grad. Sch. Front. Biosc., UOsaka, [7]JEOL YOKOGUSHI Res. Alliance Lab., UOsaka, [8]OTRI, UOsaka, [9]Grad. Sch. Sci., Osaka Metropol. Univ., [10]Res. Cent. Artificial Photosynth., Osaka Metropol. Univ.)	1aB-10 Molecular Mechanisms Suppressing Plant Immunity under Limited-Sugar Available Conditions Saki Ejima[1], Linnan Jie[2,3], Miho Sanagi[2], Shigetaka Yasuda[4], Kohji Yamada[5], Ayumi Sugisaki[1], Junpei Takagi[2], Mika Nomoto[6], Xiu-Fung Xin[3], Yasuomi Tada[6], Yusuke Saijo[4], Takeo Sato[2] ([1]Grad. Sch. Life Sci., Hokkaido Univ., [2]Fac. Sci., Hokkaido Univ., [3]Inst. Plant Physiol. Ecol., CAS, [4]Grad. Sch. Sci. Tech., NAIST, [5]Grad. Sch. Tec., Tokushima Univ., [6]Center for Gene Res., Nagoya Univ.)		1aD-10 Crosstalk Between DNA Methylation and Histone Modification in *Marchantia* Riko Kunou[1], Olivier Mathieu[2], Yoko Ikeda[1] ([1]IPSR, Okayama Univ., [2]Universite Clermont Auvergne)

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Development / Morphogenesis	New technology	Environmental response A / Physiological responses	Environmental response B / Environmental stresses				
1aE-07 The earliest developmental changes in rice shoot apical meristem during the transition Moe Honda[1], Mari Tanaka[1], Wakana Tanaka[2], Hiroyuki Tsuji[1,3] ([1]Kihara Inst. Biol. Res., Yokohama City Univ., [2]Grad. Sch. Integr. Sci. Life, Hiroshima Univ., [3]Biosci. Biotechnol. Center, Nagoya Univ.)	1aF-07 Gene delivery into plant mitochondria using peptide-modified single-walled carbon nanotubes Masaki Odahara[1], Simon Law[2], Maai Mori[2], Keiji Numata[1,2] ([1]Dept. Eng., Kyoto Univ., [2]CSRS, RIKEN)	1aG-07 Ⓔ Molecular mechanisms underlying foliar urea uptake in Arabidopsis: Insights from transporter mutants and GWAS Raj Kishan Agrahari, Toru Fujiwara, Takehiro Kamiya (Graduate School of Agricultural and Life Sciences, The University of Tokyo)	1aH-07 Roles of SAL1-PAP Retrograde Signaling Pathway in the moss *Physcomitrium patens* Yosuke Oba, Marcos Takeshi Miyabe, Tomoki Otani, Kojiro Kawata, Shinsaku Ito, Izumi Yotsui, Teruaki Taji, Yoichi Sakata (Dept. Biosci, Tokyo Univ. of Agri)	Symposium S01 Frontiers in Developing Climate-Resilient and Socially Accepted Plants (9:30-12:30)	Symposium S02 Unlocking New Frontiers in Plant Physiology with Mass Spectrometry (9:30–12:30)	Symposium S03 Advances in Engineering and Regulation of Plastids and Photosynthesis (9:30–12:30)	11:00
1aE-08 Functional Analysis of CLAVATA2 (CLV2) in Floral Transition in *Arabidopsis* Chisato Oketani, Takashi Okamoto, Atsuko Kinoshita (Tokyo Metropolitan Univ.)	1aF-08 Ⓔ Automated plant genetic engineering Matthew Hudson (University of Illinois at Urbana-Champaign)	1aG-08 Investigation of calcium distribution in abscission zones and fruit development Yusaku Noda, Yong-Gen Yin, Kazuyuki Enomoto, Naoto Yamada, Naoki Kawachi (QST・Takasaki Institute for Advanced Quantum Science)	1aH-08 Genomic and physiological mechanisms underlying salinity adaptation in quinoa Yasufumi Kobayashi[1], Yasunari Fujita[1,2] ([1]JIRCAS, [2]Grad. Sch. Life Environ. Sci., Univ. Tsukuba)				11:15
1aE-09 Comparative Analysis of CCAAT1 *cis*-element Function in *FT* Transcriptional Regulation Among Arabidopsis Accessions Aoha Miki[1], Natsumi Ono[1], Satoru Harada[2], Katsuya Negishi[3], Masaki Endo[4], Kappei Kobayashi[1], Seiichi Toki[4,5,6,7], Mitsutomo Abe[8], Hidetaka Kaya[1] ([1]Grad. Sch. Agri., Ehime Univ., [2]Fac. Agri., Ehime Univ., [3]NIFTS, NARO, [4]NIAS, NARO, [5]Fac. Agri., Ryukoku Univ., [6]Grad. Sch. of Nanobioscience, [7]Kihara Institute for Biological Research, Yokohama City Univ., [8]Grad. Sch. Arts and Sci., The Univ. of Tokyo)	1aF-09 Advancement of cassava molecular breeding towards the contribution to carbon neutrality Tomoyuki Takeda[1], Yoshinori Utsumi[1,2], Maho Tanaka[1], Chikako Utsumi[1], Akira Iwase[3], Arika Takebayashi[3], Yoshie Okamoto[1], Kenji Miura[4], Keiko Sugimoto[3], Motoaki Seki[1,5,6] ([1]Plant Genomic Network Research Team, RIKEN CSRS, Japan, [2]Faculty of Life Science and Biotechnology, Fukuyama Univ., Japan, [3]Cell Function Research Team, RIKEN CSRS, Japan, [4]Tsukuba-Plant Innovation Research Center, Univ. of Tsukuba, Japan, [5]Kihara Institute for Biological Research, Yokohama City Univ., Japan, [6]Graduate School of Science and Engineering, Saitama Univ., Japan)	1aG-09 Ca^{2+} Signaling and Establishment of Auxin Maxima in Bend-Induced Lateral Root Formation in *Arabidopsis thaliana* Hazumi Akaogi[1], Sorato Yoshida[1], Yuta Takano[1], Jun Mitomo[2], Kazuo Ebine[1], Masatsugu Toyota[1,3,4] ([1]Dept. Biochem. Mol. Biol., Saitama Univ., [2]Dept. Biochem. Mol. Biol., Faculty of Science, Saitama Univ., [3]SunRiSE, Suntory Fdn. Life Sci., [4]Coll. Plant Sci. Technol., Huazhong Agric. Univ.)	1aH-09 Analyses of Cation Calcium exchanger genes in salt tolerance of Arabidopsis Tamami Koyama[1], Yuko Nagashima[1], Hirotaka Ariga[2], Kohji Nishimura[3], Tomoaki Horie[4], Izumi Yotsui[1], Yoichi Sakata[1], Teruaki Taji[1] ([1]Dept. of Biosci., Tokyo Univ. of Agri, [2]Research Center of Genetic resources, NARO, [3]Faculty of Life and Environmental Science, Shimane University, [4]Faculty of Textile Science and Technology, Shinshu University)				11:30
1aE-10 Elucidation of regulatory mechanism of FLOWERING LOCUS T (FT) transport using mutant FT protein in *Arabidopsis* Aki Namekata[1], Kozakai Minami[2], Mitsutomo Abe[1] ([1]Grad. Sch. Art and Sci., The Univ. of Tokyo, [2]Grad. Sch. Sci., The Univ. of Tokyo)	1aF-10 Ⓔ A tightly regulated copper-inducible transient gene expression system in *Nicotiana benthamiana* incorporating a suicide exon and Cre recombinase Bing-Jen Chiang (Institute of Plant and Microbial Biology, Academia Sinica)	1aG-10 Analysis of calcium dependent touch sensing and signaling mechanism in *Arabidopsis* Taira Fukui[1], Takuya Uemura[2], Hiroki Asakawa[1], Kazuo Ebine[1], Masatsugu Toyota[1,3,4] ([1]Dept. Biochem. Mol. Biol., Saitama Univ., [2]Dept. Biol. Sci. Technol., Tokyo Univ. Sci., [3]SunRiSE, Suntory Fdn. Life Sci., [4]Coll. Plant Sci. Technol., Huazhong Agric. Univ.)	1aH-10 Disruption of the *SALT* gene enhances salt tolerance of Arabidopsis thaliana accession Lch-0 Takuma Kajino[1], Kaori Uchiyama[1], Yusaku Noda[2], Kohji Nishimura[3], Noriyuki Konishi[4], Yoshihiro Hase[2], Tomoaki Horie[5], Naoto Yamada[2], Hirotaka Ariga[6], Jian Feng Ma[4], Izumi Yotsui[1], Yoichi Sakata[1], Teruaki Taji[1] ([1]Dept. of Biosci., Tokyo Univ. of Agri, [2]Takasaki Institute for Advanced Quantum Science, QST, [3]Dept. of Life science, Fac. of Life and environmental science, Shimane Univ., [4]Research Core for Plant Stress Sci., Institute of Plant Sci. and Resources, Okayama Univ., [5]Div. of Applied Bio., Faculty of Textile Science, Shinshu Univ., [6]Research center of genetics resource, NARO)				11:45

Ⓔ=Presentation in English

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

Time	Room A	Room B	Room C	Room D
	Photosynthesis	Primary metabolism	Specialized (secondary) metabolism	Genome function / gene regulation
12:00	1aA-11 E Exploring Chlorophyll-Dependent Thylakoid Membrane Biogenesis and Remodeling in The Cyanobacterium *Leptolyngbya Boryana* Ji Won Kim, Kentaro Usui, Haruki Yamamoto, Yuichi Fujita (Graduate School of Bioagricultural Sciences, Nagoya University)	1aB-11 Roles of an ARF-GEF MIN7/BEN1/BIG5 and its interactor HLB1 in the modulation of membrane trafficking in response to C/N stress Kaito Endo[1], Hiroki Matsui[2], Juna Eda[2], Miho Sanagi[3], Junpei Takagi[3], Takeo Sato[3] ([1]Grad. Sch. Life Sci., Hokkaido Univ., [2]Sch. Sci., Hokkaido Univ., [3]Fac. Sci., Hokkaido Univ.)		1aD-11 E Genome-wide R-loop redistribution in response to pre-mRNA splicing defects in Arabidopsis Youheng Wang[1], Asuka Hirao[2], Mai Mukai[2], Seira Nakatsuka[1], Nobuhiro Akiyoshi[1], Misato Ohtani[1,2,3] ([1]Grad Sch Front Sci, Univ Tokyo, [2]Grad Sch Sci Technol, NAIST, [3]RIKEN, CSRS)
12:15	1aA-12 Analysis of the Ancestral-Type Phycobiliprotein AplA in Cyanobacteria Gakuto Nakatsuji[1], Runa Tamagawa[2], Shigeru Kawai[1], Yuu Hirose[1,2] ([1]Toyohashi Tech. Dept. of Appl. Chem. and Life Sci., [2]Toyohashi Tech. Grad. Sch. Eng., Dept. of Appl. Chem. & Life Sci.)	1aB-12 Sugar drives chloroplast phosphatidylglycerol biosynthesis to sustain chlorophyll synthesis under nitrogen stress Yushi Yoshitake[1], Keigo Okazaki[2], Hiroyuki Ohta[2,3], Mie Shimojima[2], Yoichiro Fukao[1] ([1]Sch. Life Sci., Ritsumeikan univ., [2]Sch. Life Sci. Tech., Inst. Sci. Tokyo, [3]Phytolipid technologies)		1aD-12 E ABA-Responsive MYB Transcription Factors Regulate Expression of Allergenic Fra Protein During Leaf Development in Strawberry Chonprakun Thagun[1], Yoshinori Fukasawa[1], Tomohiro Suzuki[1], Takahito Nomura[1], Masanori Okamoto[1], Yutaka Kodama[1,2] ([1]C-Bio, Utsunomiya Univ., [2]Grad. Sch. Regional Dev. Creativity, Utsunomiya Univ.)

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Development / Morphogenesis	New technology	Environmental response A / Physiological responses	Environmental response B / Environmental stresses				
1aE-11 Functional Analysis of the Flowering Regulatory Roles of *FT*-like Genes *NbFT1–3* in *Nicotiana benthamiana* Nariyuki Furukawa[1], Ken-ichi Kurotani[2], Kappei Kobayashi[1], Michitaka Notaguchi[2], Hidetaka Kaya[1] ([1]Ehime Univ., Grad. Sch. of Agri., [2]Kyoto Univ., Grad. Sch. of Science)	1aF-11 DR genes expression controlling system for circumventing the morphological abnormality of transgenic plants Shohei Koyama[1], Tomoko Igawa[1,2,3] ([1]Grad. Sch. Hort., Chiba Univ., [2]Plant Mol. Sci. Center, Chiba Univ., [3]Res. Center Space Agri. Hort., Grad. Sch. Hort., Chiba Univ.)	1aG-11 3D segmentation of rhizoids of *Physcomitrium patens* using machine learning and analysis of microgravity effects Naoki Yagihara[1], Takahisa Wakabayashi[2], Ryohei Yamaura[1], Daisuke Tamaoki[3], Hiroyuki Kamachi[3], Daisuke Yamauchi[4], Yoshinobu Mineyuki[4], Makoto Hoshino[5], Kentaro Uesugi[5], Toru Shimazu[6], Haruo Kasahara[7], Motoshi Kamada[8], Tomomi Suzuki[9], Yuji Hiwatashi[10], Yuko T. Hanba[11], Atsushi Kume[12], Tomomichi Fujita[13], Ichirou Karahara[3] ([1]Grad. Sch. Sci. Eng., Univ. Toyama, [2]Fac. Sci., Univ. Toyama, [3]Fac. Sci., Acad. Assemb., Univ. Toyama, [4]Grad. Sch. Sci., Univ. Hyogo, [5]JASRI, SPring-8, [6]Japan Space Forum, [7]JAMSS, [8]AES, [9]JAXA, [10]Sch. Food Ind. Sci., Miyagi Univ., [11]Dept. Applied Biol., Kyoto Inst. Technol., [12]Fac. Agric., Kyushu Univ., [13]Fac. Sci., Hokkaido Univ.)	1aH-11 Ⓔ Overexpression of the vacuolar H^+-pyrophosphate gene, *SvHPP*, from a halophyte *Sporovolus virginicus* enhances salt tolerance in *Arabidopsis* Roksana Aftab[1], Hiromi Suzuki[2], Yuichi Tada[2] ([1]Grad Sch of Bionics, Tokyo Uni of Tech, [2]Sch. of Biosci. and Biotech. Tokyo Uni of Tech)	Symposium S01 Frontiers in Developing Climate-Resilient and Socially Accepted Plants (9:30-12:30)	Symposium S02 Unlocking New Frontiers in Plant Physiology with Mass Spectrometry (9:30–12:30)	Symposium S03 Advances in Engineering and Regulation of Plastids and Photosynthesis (9:30–12:30)	12:00
1aE-12 Function and tissue specific expression analysis of tomato lipocalins Shoko Kokubo[1], Miku Tomiyasu[2], Mahiro Matsui[2], Chikako Fukazawa[3], Reiko Motohashi[1,2,3] ([1]GSST., Univ. Shizuoka, [2]Grad. Sch. Agr., Univ. Shizuoka, [3]Agr., Univ. Shizuoka)	1aF-12 A Versatile Agroinfiltration Platform for Transient Protein Expression Across Medicinal and Phylogenetically Diverse Plants Tsubasa Shoji[1], Jung-Bum Lee[2], Kenji Miura[3] ([1]Inst. Natural Med., Univ. Toyama, [2]Grad. Sch. Med. Pharm., Univ. Toyama, [3]Fac. Life Envir. Sci., Univ. Tsukuba)	1aG-12 Exploring the evolutionary process of plant gravitropism by utilizing the basal land plant, *Physcomitrium patens* Kentaro Wakayama[1], Kanta Suemitsu[1], Tomomichi Fujita[2], Satoshi Naramoto[2,3] ([1]Grad. Sch. Life Sci., Univ. Hokkaido, [2]Grad. Fac. Sci., Univ. Hokkaido, [3]JST PRESTO)	1aH-12 Analysis of posttranslational regulations of CCA1 in response to cold stress Satoshi Kidokoro[1], Naoki Okawa[2], Fuminori Takahashi[3,4], Junya Mizoi[2], Yuriko Osakabe[1], Kazuo Shinozaki[4], Kazuko Yamaguchi-Shinozaki[2,5] ([1]Sch. of Life Sci. and Tech., Science Tokyo, [2]Grad. Sch. Agr. Life Sci., Univ. Tokyo, [3]Faculty of Advanced engineering, Tokyo Univ. of Science, [4]Center for Sustainable Resource Science, RIKEN,, [5]Inst. Agr. Life Sci., Tokyo Univ. Agr.)				12:15

Ⓔ=Presentation in English

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

Time	Room A	Room B	Room C	Room D
	Photosynthesis	Primary metabolism	Plant-organism interaction A	Genome function / gene regulation
14:00	1pA-01 Does the Reddest Fluorescence of Undecamer Far-Red Light Antenna Pc-frLHC in *Prasiola crispa* come from only one Subunit? Rin Taniguchi[1,2], Makiko Kosugi[3,4], Jun Minagawa[3,4], Shen Ye[1], Yutaka Shibata[1] ([1]Grad. Sch. Sci., Tohoku Univ., [2]DIARE, [3]National Institute for Basic Biology, [4]Grad. Inst. Adv. Stud., SOKENDAI)	1pB-01 Reevaluation of the fatty acid repertoire in *Synechocystis* sp. PCC 6803 Naoki Sato[1], Haruhiko Jimbo[2], Yoshitaka Nishiyama[2] ([1]Grad. Sch. Arts Sci., Univ. Tokyo, [2]Grad. Sch. Sci. Eng., Saitama Univ.)	1pC-01 E Decoding Plant Immune Recognition by Systematic Discovery of PAMP–PRR Interactions Yasuhiro Kadota[1], Bruno Pok Man Ngou[1], Michele Wyler[2], Marc W Schmid[2], Takehiro Suzuki[1], Markus Albert[3], Naoshi Dohmae[1], Ken Shirasu[1,4] ([1]RIKEN, CSRS, Yokohama, Japan, [2]MWSchmid GmbH, Glarus, Switzerland, [3]University Erlangen-Nuremberg, Erlangen, Germany, [4]Grad. Sch. Sci., Univ. Tokyo, Tokyo, Japan)	1pD-01 Genomic Characterization of Natsukirari Reveals Candidate Genes for High-Temperature Ripening Tolerance in Rice Kyonoshin Maruyama[1,2], Asako Kobayashi[3], Fumihiro Nakaoka[3], Hiroaki Sakai[4], Tetsuya Sakurai[5] ([1]Biol. Resources Post-harvest Div., JIRCAS., [2]Life & Env. Sci., Univ. Tsukuba, [3]Fukui Agr. Exp. Stn, [4]NARO, [5]Multi. Sci. Cluster, Kochi Univ.)
14:15	1pA-02 Suppression of Chilling-Induced PSI Photoinhibition by the PSI-NDH Supercomplex Ko Takeuchi[1], Shintaro Harimoto[1], Hayato Satoh[2], Chikahiro Miyake[2], Kentaro Ifuku[1] ([1]Grad. Sch. Agri., Univ. Kyoto, [2]Grad. Sch. Agri., Univ. Kobe)	1pB-02 Metabolic engineering of free fatty acid production in the cyanobacterium *Synechococcus elongatus* PCC 7942 Kotoha Nishimoto[1], Tsubasa Furushima[1], Taro Kadowaki[1], Haruhiko Jimbo[1], Norifumi Yamamoto[2], Nobuyuki Takatani[3], Makiko Aichi[3], Kazutaka Ikeda[4], Tatsuo Omata[3], Yoshitaka Nishiyama[1] ([1]Grad. Sch. Sci. Eng., Saitama Univ., [2]Taisei Corp., [3]Col. Biosci. Biotech., Chubu Univ., [4]Kazusa DNA Res. Inst.)	1pC-02 E Phylogenomics and structure-guided engineering of immune receptors in plants Ngou Bruno Pok Man[1], Michele Wyler[2], Marc W Schmid[2], Takehiro Suzuki[1], Markus Albert[3], Naoshi Dohmae[1], Yasuhiro Kadota[1], Ken Shirasu[1,4] ([1]RIKEN, CSRS, Yokohama, Japan, [2]MWSchmid GmbH, Glarus, Switzerland, [3]University Erlangen-Nuremberg, Erlangen, Germany, [4]Grad. Sch. Sci., Univ. Tokyo, Tokyo, Japan)	1pD-02 Two Distal *Cis*-Regulatory Elements Determining Expression Pattern of a Rice Floral Repressor *Ghd7* Takumi Kawauchi[1], Yuko Ogo[2], Hironori Itoh[3], Manaki Mimura[1], Takeshi Izawa[1] ([1]Grad. Sch. Agr. Life Sci., Univ. Tokyo, [2]NIVFS, [3]NICS)
14:30	1pA-03 NON-PHOTOCHEMICAL QUENCHING7 was involved in the accumulation of core subunits of photosystem II in C_4*Flaveria bidentis* Yuri Munekage[1], Ai Ishizaki[1], Sayaka Koshi[1], Sota Kintaka[1], Kota Ishibashi[1], Atsushi Takabayashi[2], Ryouichi Tanaka[2], Takao Oi[3], Kentaro Ifuku[4] ([1]Sch. Biol. Env. Sci., Kwansei Gakuin Univ., [2]Inst Low Temp Sci, Hokkaido Univ., [3]Sch. Eng. Sci., Kochi Univ. Tech., [4]Grad. Sch. Agri., Kyoto Univ.)	1pB-03 Enhanced cell growth and lipid production through sustained high photosynthetic activity in *Nannochloropsis oceanica* Unto Kaku[1], Haruhiko Jimbo[1], Shinichiro Maeda[2], Kumiko Okazaki[3], Atsushi Sakamoto[3], Masako Iwai[4], Hiroyuki Ohta[4], Yoshitaka Nishiyama[1] ([1]Grad. Sch. Sci. Eng., Saitama Univ., [2]Mazda Motor Corp., [3]Grad. Sch. Integr. Sci. Life, Hiroshima Univ., [4]Phytolipid Technologies Co. Ltd.)	1pC-03 E Effector-triggered defense mechanisms restricting bacterial water-soaking under high humidity Shigetaka Yasuda[1], Arullthevan Rajendram[1], Taiga Ishihara[1], Rahul Sk[2,3], Akihisa Shinozawa[2], Yusuke Saijo[1] ([1]Grad. Sch. Sci. Tech., NAIST, [2]Dep. Biosci., Tokyo Univ. Agric., [3]NGRC, Tokyo Univ. Agric.)	1pD-03 E An Investigation of Multiple Transcription Initiation Sites of *atp9* in *Arabidopsis thaliana* Jingxiu Ji[1], Akihito Mamiya[1], Chang Zhou[2], Sachi Takenaka[1], Issei Nakazato[2], Shin-ichi Arimura[2], Mizuki Takenaka[1] ([1]Grad. Sch. Sci., Kyoto Univ., [2]Grad. Sch. Agric., Univ. Tokyo)
14:45	1pA-04 Construction of an artificial light-harvesting system that transfers UV-excited mTurquoise2 fluorescence to PSII Mizuki Ikeda[1], Souta Ishiyama[2], Yoshifumi Ueno[3], Tatsuya Tomo[2,3] ([1]Fac. Sci., Tokyo Univ. Sci., [2]Grad. Sci., Tokyo Univ. Sci., [3]Inst. Arts Sci., Tokyo Univ. Sci.)	1pB-04 Effects of Knockouts of Chrysolaminarin Biosynthesis Pathway Genes on Lipid Accumulation in *Nannochloropsis oceanica* Yasuhiro Furuhashi[1], Hiroki Murakami[2], Shinya Kaneko[3], Yasunori Aizawa[3], Hiroyuki Ohta[1,3,4], Nozomu Sakurai[1] ([1]Dept. Frontier Res. & Dev., Kazusa DNA Res. Inst., [2]Fac. Glob. Interdiscip. Sci. & Innov., Shizuoka Univ., [3]Sch. Life Sci. & Technol., Inst. Sci. Tokyo, [4]Phytolipid Technologies Co., Ltd)	1pC-04 E Differential modulation of pattern-recognition receptor signaling preserves plant immunity under phosphate deficiency Natsuki Tsuchida[1], Maxmilyand Leiwakabessy[1], Kota Yamashita[2], Taishi Umezawa[2], Yusuke Saijo[1] ([1]Grad. Sch. Sci and Tech., NAIST, [2]BASE, Tokyo Univ. Agric. Tech.)	1pD-04 Molecular Mechanisms Underlying Secondary Plasmodesmata Formation Between a Parasitic Plant and Its Host Koh Aoki, Kyo Morinaga, Akihiro Niwa (Grad. Sch. Agric., Osaka Metro. Univ.)
15:00	1pA-05 Artificial photosynthetic system constructed from reduced graphene oxide and photosynthetic protein complexes Hiroto Ishii[1], Shunsuke Sone[1], Shota Tanaka[1], Yoshifumi Ueno[2], Tatsuya Tomo[1,2] ([1]Grad. Sch. Sci., Tokyo Univ. Sci., [2]Inst. Arts Sci., Tokyo Univ. Sci.)	1pB-05 E Investigating the role of LDGTS in *Nannochloropsis oceanica* stress response Arif Agung Wibowo[1], Hiroki Murakami[2], Yasuhiro Furuhashi[1], Hiroyuki Ohta[3,4], Nozomu Sakurai[1] ([1]Department of Frontier Research and Development, Kazusa DNA Research Institute, 2-6-7 Kazusa-kamatari, Kisarazu 292-0818, Chiba, Japan, [2]Faculty of Global Interdisciplinary Science and Innovation, Shizuoka University, 836 Ohya, Suruga-ku, Shizuoka 422-8529, Shizuoka, Japan, [3]School of Life Science and Technology, Tokyo Institute of Technology, 4259-B-65 Nagatsuta-cho, Midori-ku, Yokohama 226-8501, Kanagawa, Japan, [4]Phytolipid Technologies Co., Ltd. 4259-3 Nagatsuta-cho, Midori-ku, Yokohama 226-8510, Kanagawa, Japan)	1pC-05 E Mechanism for Phytocytokine-induced Defense Sensitization during Phosphate Starvation in Natural Variation of *Arabidopsis thaliana* Maxmilyand Leiwakabessy, Natsuki Tsuchida, Yusuke Saijo (Nara Institute of Science and Technology)	1pD-05 Chromosome-scale Genome Assemblies of Allopolyploid *Cuscuta* Species Uncover Genomic Signatures of Parasitic Lifestyle and Polyploid Evolution Tenta Segawa[1], Masaki Takagawa[2], Ryusuke Yokoyama[2], Kyoko Sato[3], Takehiko Itoh[4], Eiichiro Ono[1] ([1]Res. Inst. Suntory Global Innovation Center Ltd., [2]Grad. Sch. Life Sci., Tohoku Univ., [3]Fac. Sci., Acad. Assem., Univ. Toyama, [4]Science Tokyo)

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Development / Morphogenesis	New technology	Environmental response A / Physiological responses	Environmental response B / Environmental stresses				
1pE-01 Ⓔ Dissection of the differentiation programs of two distinct idioblast types through the FAMA–WSB–SCAP1 network Yuta Horiuchi[1], Hikari Kitani[2], Nobutoshi Yamaguchi[2], Toshiro Ito[2], Makoto Shirakawa[1] ([1]Institute of Plant and Microbial Biology, Academia Sinica, [2]Nara Institute of Science and Technology)	1pF-01 Efficient genetic transformation by Agrobacterium-stipule base inoculation in peach (*Prunus persica* L. Batsch) Katsunori Tamura[1], Yosuke Fukamatsu[1], Yujiro Unoki[2], Kenji Oda[1] ([1]Okayama Prefectural Technology Center for Agriculture, Forestry and Fisheries, Research Institute for Biological Sciences, [2]Okayama Prefectural Technology Center for Agriculture, Forestry and Fisheries, Agricultural Research Institute)	1pG-01 Analysis of blue light and actin filament-dependent chloroplast movement in *Petalonia fascia* Tsunami Hiyama[1], Kazuhiro Kogame[2], Masahiro Kasahara[3], Fumio Takahashi[4], Shinya Yoshikawa[1] ([1]Grad. Sch. Biosci. Biotech., Fukui Pref. Univ, [2]Dep. Sci., Hokkaido. Univ, [3]Dep. Life Sci., Ritsumeikan. Univ, [4]Dep. Pharmaceutical Sci., Toho. Univ)	1pH-01 Role of Phytochrome in *Physcomitrium patens* under Low Temperatures Rin Ishikawa[1], Seiya Inoue[1], Tatsunosuke Yamada[1], Hikaru Sugimori[1], Nana Eto[1], Airi Naka[1], Yuzuki Baba[1], Tomoe Jinno[1], Akihisa Shinozawa[1], Daisuke Takezawa[2], Izumi Yotsui[1], Teruaki Taji[1], Yoichi Sakata[1] ([1]Dept. Bioscience, Tokyo Univ. of Agriculture, [2]Graduate School of Science and Engineering, Saitama University)	Symposium S04 Priming and Memory of Plants in Facing Environmental Changes (14:00-17:00)	Symposium S05 Advances in Cellular and Molecular Signaling in Response to Internal and External Stimuli from Algae to Plants (14:00-17:00)	Symposium S06 Underlying molecular antagonisms as drivers of plant diversification and ecological adaption (14:00-17:00)	14:00
1pE-02 Analysis of the expression pattern of the auxin-responsive transcription factor FbDOF1A in C_4*Flaveria bidentis* Kaishu Fujiki, Tomoyo Ono, Ken Okudono, Yukimi Taniguchi, Yuri Munekage (Graduate School of Science Technology., Kwansei Gakuin Univ.)	1pF-02 Ⓔ Ethics of GM Biofuels Tommi Lehtonen (University of Vaasa)	1pG-02 Analysis of blue light-signaling pathway in guard cell by phosphoproteomics Taku Sakakibara[1], Kyomi Taki[1], Kyohei Kato[1], Kohei Fukatsu[1], Yuki Hayashi[1], Yoshikatsu Matsubayashi[1], Toshinori Kinoshita[1,2] ([1]Grad. Sch. Sci., Univ. Nagoya, [2]WPI-ITbM, Univ. Nagoya)	1pH-02 Phytochrome-mediated cold response involves SnRK2 in the moss Physcomitrium patens Seiya Inoue[1], Rin Ishikawa[1], Tatsunosuke Yamada[1], Hikaru Sugimori[1], Nana Eto[1], Airi Naka[1], Akihisa Shinozawa[1], Daisuke Takezawa[2], Izumi Yotsui[1], Teruaki Taji[1], Yoichi Sakata[1] ([1]Dept. of Biosci., Tokyo Univ. of Agri., [2]Graduate School of Science and Engineering, Saitama University)				14:15
1pE-03 Analysis of Auxin Involvement in Rice Early Embryogenesis *in vitro* Haruka Kumakura[1], Moeko Sato[2], Hiroyuki Tsuji[2,3], Satoshi Naramoto[4], Takashi Okamoto[1], Atsuko Kinoshita[1] ([1]Tokyo Metropolitan University, [2]Kihara Institute for Biological Research, Yokohama City University, [3]Bioscience and Biotechnology Center, Nagoya University, [4]Faculty of Science, Hokkaido University)	1pF-03 Ⓔ Stakeholder Tensions in an Emerging Field: The case of GM Biofuels Jouni K Juntunen[1], Mehedi Hasan[2], Roji Karki[2] ([1]University of Vaasa, School of Technology and Innovations, [2]Wärtsilä Oyj)	1pG-03 Analysis of PP2C.D involvement in stomatal movements under environmental stimuli Kosuke Murakami[1], Yuki Hayashi[1], Yohei Takahashi[1,2], Daichi Kinoshita[1], Miya Mizutani[3], Yoshikatsu Matsubayashi[1], Toshinori Kinoshita[1,2] ([1]Grad. Sch. Sci., Univ. Nagoya, [2]WPI-ITbM, Univ. Nagoya, [3]Div. Biol. Sci., NAIST)	1pH-03 Effects of 1,4-naphthoquinone derivatives on the acquisition of cold- and ABA-mediated freezing tolerance in Arabidopsis Sena Inayoshi[1], Kohei Kitawaki[1], Yasuko Ito-Inaba[1,2], Takehito Inaba[1] ([1]Fac. of Agr., Univ. of Miyazaki, [2]Grad. Sch. Life Sci., Tohoku Univ.)				14:30
	Bioresources						
1pE-04 Mechanisms and Functions of PIN-Mediated Auxin Transport in the Moss *Physcomitrium patens* Kanta Suemitsu[1], Tomomichi Fujita[2], Satoshi Naramto[2,3] ([1]Grad. Sch. Life Sci., Hokkaido Univ., [2]Fac. Sci., Hokkaido Univ., [3]JST, PRESTO)	1pF-04 Tomato Mutant Resources and Exome Database Developed by the NBRP Tomato Noriyuki Kuya[1], Koichi Sugimoto[1,2], Shoko Kawamoto[3], Naoya Fukuda[1], Hiroshi Ezura[1] ([1]T-PIRC, Univ. Tsukuba, [2]Research Center for Advanced Analysis, NARO, [3]National Institute of Genetics)	1pG-04 Functional analysis of SAUR in PP2C.D-mediated dephosphorylation of plasma membrane H^+-ATPase in guard cells Seiya Kimpara[1], Koji Takahashi[1], Kosuke Murakami[1], Yuki Hayashi[1], Toshinori Kinoshita[1,2] ([1]Grad. Sch. Sci., Univ. Nagoya, [2]WPI-ITbM, Univ. Nagoya)	1pH-04 Ⓔ Actin isovariant ACT8 regulates cold stress response in *Arabidopsis* through modulating GNOM-mediated cellular auxin homeostasis Rahman Abidur[1,2], Aya Hanzawa[1], Rahman Arifa[1] ([1]UGAS, Iwate University, [2]Dept. of Life Sciences, Fac. of Agriculture, Iwate Univ.)				14:45
1pE-05 Auxin dynamics in the stem cell region of *Marchantia polymorpha* Keito Yunoki[1], Satoshi Naramoto[2,3] ([1]Grad. Sch. Life Sci., Hokkaido Univ., [2]Fac. Sci., Hokkaido Univ., [3]JST, PRESTO)		1pG-05 Analysis of C1 Raf-like kinase BHP in light-induced stomatal opening Akinori Tange[1], Yuki Hayashi[1], Taku Sakakibara[1], Maki Hayashi[2], Yoshikatsu Matsubayashi[1], Toshinori Kinoshita[1,3] ([1]Grad. Sch. Sci., Univ. Nagoya, [2]Grad. Sch. Life Sci., Tohoku Univ., [3]WPI-ITbM, Univ. Nagoya)	1pH-05 Effects of Low Temperature and Plasma Treatment on Germination of Dried *Arabidopsis Thaliana* Seeds Kazuma Maki[1], Kazuo Tsugane[2], Kiyoshi Tatematsu[3], Hidetaka Ito[4] ([1]Grad. Sch. Life Sci., Hokkaido Univ., [2]IBBP Center, NIBB, [3]Research Enhancement Strategy Office, NIBB, [4]Fac. of Sci., Hokkaido Univ.)				15:00

Ⓔ=Presentation in English

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

Time	Room A	Room B	Room C	Room D
	Photosynthesis	Primary metabolism	Plant-organism interaction A	Genome function / gene regulation
15:15	1pA-06 Magnetic structural analysis of S_0 state of the manganese cluster by multi-frequency electron paramagnetic resonance (EPR) method Shinya Kosaki, Hiroyuki Mino (Grad. Sch. Sci., Nagoya Univ.)	1pB-06 Characterization of Three NAD Kinases in the Oleaginous Microalga *Nannochloropsis* Sora Ohashi[1], Yutaka Kodama[2], Toshiki Ishikawa[1], Maki Kawai-Yamada[1] ([1]Grad. Sch. Sci. Eng., Saitama Univ., [2]Cent. Biosci. Res. Educ., Utsunomiya Univ.)	1pC-06 Comparative analysis of immune responses triggered by two strains of *Pseudomonas amygdali* pv. *tabaci* in *Nicotiana benthamiana* Yuna Nakao, Shinpei Katou (Grad. Sch. Medi, Sci, Techno., Univ. Shinshu)	1pD-06 Involvement of RNA processing/modifying enzymes in thermospermine-mediated regulation of mRNA translation in *Arabidopsis* Mitsuru Saraumi, F.M. Tonmoy Chowdhury, Taku Takahashi (Grad. Sch. Env. Life. Nat. Sci., Okayama Univ)
15:30	1pA-07 E Structural study of monomeric and dimeric photosystem I-LHCI supercomplexes from a bryophyte Pi-Cheng Tsai[1], Romain La Rocca[1], Hiroyasu Motose[2], Jian-Ren Shen[1], Fusamichi Akita[1] ([1]RIIS, Univ. Okayama, [2]Grad. Sch. Envir., Life, Nat. Sci. & Tech., Univ. Okayama)	1pB-07 Disruption of Glutathione Metabolism Causes Defense Hyperactivation and Cell Death at Vegetative Stage in Arabidopsis Takehiro Ito[1], Kazuma Kawahara[2], Takehiro Kamiya[1], Toru Fujiwara[1], Naoko Ohkama-Ohtsu[3] ([1]Grad. Sch. Agr. Life Sci., Univ. Tokyo, [2]Fac. Agr., Tokyo Univ. Agr. & Technol., [3]Inst. Agr., Tokyo Univ. Agr. & Technol.)	1pC-07 Functional analysis of group A MPK in *Physcomitrium patens* Riku Fukui, Teruaki Taji, Yoichi Sakata, Izumi Yotsui (Dept. of Biosci., Tokyo Univ. of Agri)	1pD-07 Identification of a ribonuclease involved in *NIP5;1* mRNA cleavage in Arabidopsis Mayuki Tanaka[1], Sotomayor Saul[2], Naoyuki Sotta[1], Toru Fujiwara[1] ([1]Grad. Sch. Agric., Osaka Metro. Univ., [2]Grad. Sch. of Agri., Univ. Tokyo,)
15:45	1pA-08 Exhaustive single-molecule spectroscopy analysis toward observation of photosystem II under repair cycle Kyosuke Watanabe, Shen Ye, Yutaka Shibata (Graduate school of science, Tohoku Univ.)	1pB-08 Comparative analysis of phytase activity and thermal stability in three cereal species Rioko Shibusawa[1], Etsuko Katoh[2], Naoki Hirotsu[1] ([1]Grad. Sch. Life Sci., Univ. Toyo, [2]Grad. Sch. of Food Nutr. Sci., Univ. Toyo)	1pC-08 Role of CCD (chitin-induced cell death) in the immune response of *Physcomitrium patens* Yoshifumi Kiyono, Takeru Ichihashi, Teruaki Taji, Yoichi Sakata, Izumi Yotsui (Dept. Biosci., Tokyo Univ. of Agri.)	1pD-08 E Elucidating the diversity of plant organellar RNA editosome Jingchan Xie, Tenghua Wang, Mizuki Takenaka (Graduate School of Science, Kyoto University)
16:00	1pA-09 Correlation analysis of accumulation levels of C_4 metabolic enzymes and the NDH complex using F_2 plants derived from hybrids between C_2 and C_4-like species of the genus *Flaveria* Asuka Nakamura, Mana Kasai, Kota Ishibashi, Yuri Munekage (Grad. Sch. SciTech., Kwansei Gakuin Univ.)	1pB-09 Functional analysis of Arabidopsis Ca^{2+}/CaM-dependent NAD kinase isoforms with different subcellular localizations Hiroaki Sakaguchi[1], Yutaka Kodama[2], Toshiki Ishikawa[1], Masatoshi Yamaguchi[1] ([1]Grad. Sch. Sci. Eng., Saitama Univ., [2]Cent. Biosci. Res. Educ., Utsunomiya Univ.)	1pC-09 E Single-cell-resolved calcium and organelle dynamics in resistosome-mediated cell death Yi-Feng Chen[1], Kuan-Yu Lin[1], Ching-Yi Huang[1], Liang-Yu Hou[1], Chin-Wen Chang[1], Enoch Lok Him Yuen[2], Wei-Che Sun[1], Bing-Jen Chiang[1], Hung-Yu Wang[1], Tolga Bozkurt[2], Chih-Hang Wu[1] ([1]IPMB, Academia Sinica, [2]DoLS, Imperial College London)	1pD-09 SD5-mediated U12-type splicing regulates nutrient-responsive seedling growth in Arabidopsis Kodai Ishibashi[1], Toshihiro Arae[1], Takeshi Yoshizumi[2], Minami Matsui[3], Takashi Hirayama[4], Misato Ohtani[1,3,5] ([1]Grad. Sch. Front. Sci., Univ. Tokyo, [2]Faculty of Agriculture, Univ. Takasaki of Health and Welfare, [3]KIBR, Yokohama City Univ., [4]Institute of Plant Science and Resources, Univ. Okayama, [5]Department of Biological Science, Grad. Sch. Sci., Univ. Tokyo)
16:15	1pA-10 Functional and regulatory diversification of plastid ATP synthase in green plants Sota Muraoka[1], Minoru Kumazawa[1,2], Kentaro Ifuku[1], Kaori Kohzuma[1] ([1]Grad. Sch. Agri., Kyoto Univ., [2]Inst. Low Temp. Sci., Hokkaido Univ.)		1pC-10 Decoding the Physiological Information of Plant VOCs Functioning as Informative Signals Activating Defense Responses in *Arabidopsis* Yasuo Yamauchi[1], Masatsugu Toyota[2], Mie N. Honjo[3], Hiroshi Kudoh[3], Masaharu Mizutani[1], Yukihiro Sugimoto[1], Junji Takabayashi[3] ([1]Grad. Sch. Agri. Sci., Kobe Univ., [2]Grad. Sch. Sci. Eng., Saitama Univ., [3]CER, Kyoto Univ.)	1pD-10 Analysis of the role of the SGS3 N-terminal region in secondary siRNA production Yuji Fujimoto[1], Yuriki Sakurai[1], Ryosuke Kowada[1,2], Keisuke Shoji[3], Manabu Yoshikawa[4], Hiro-oki Iwakawa[1] ([1]Coll. Sch., Rikkyo Univ., [2]Dept. of C. Biol. and Med. Sci., Grad. Sch. of Front. Sci., Univ. of Tokyo, [3]Grad. Sch. BASE, TUAT, [4]NARO)
16:30	1pA-11 Modulating the electron donor and acceptor sides of photosystem I alleviates growth defects in the Arabidopsis *crr2-2 pgr5-5* mutant Yuki Okegawa[1], Hiroshi Yamamoto[2], Toshiharu Shikanai[2], Wataru Sakamoto[1] ([1]IPSR, Univ. Okayama, [2]Grad Sch Sci, Univ. Kyoto)		1pC-11 Mechanism of ABA-Mediated Activation of NPR1-Dependent Salicylic Acid–Responsive Immunity Momoe Shinohara[1], Rina Honda[1], Tomomi Ohata[1], Munemasa Horio[1], Hiroshi Mori[1], Saki Noda[1], Hinano Takase[2], Keiko Kuwata[3], Toshinori Kinoshita[1,3], Tomonao Matsushita[4], Yoshikatsu Matsubayashi[1], Taishi Umezawa[2], Mika Nomoto[1,5,6], Yasuomi Tada[1,5] ([1]Grad. Sch. Sci., Nagoya Univ., [2]Grad. Sch. BASE, Tokyo Univ., Agri. and Tech., [3]ITbM, Nagoya Univ., [4]Grad. Sch. Sci., Kyoto Univ., [5]Centr. Gene Res., Nagoya Univ., [6]PRESTO, JST)	

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Development / Morphogenesis	Bioresources	Environmental response A / Physiological responses	Environmental response B / Environmental stresses				
1pE-06 The distribution and the function of plant hormone in fern *Ceratopteris richardii* Yuta Hanada[1], Eiki Kawarabuki[1], Satoshi Naramoto[2] ([1]Sch. Sci. Hokkaido. Univ., [2]Fac. Sci. Hokkaido Univ.)		1pG-06 Phosphoproteome analyses reveal a primary role of plasma membrane H+-ATPase regulation in CO2-induced stomatal movement in Arabidopsis Kaito Uchihashi[2], Yoshikatsu Matsubayashi[2], Koji Takahashi[2], Toshinori Kinoshita[1,2], Yohei Takahashi[1,2] ([1]ITbM, Nagoya U., [2]Grad. Sch. Sci., Nagoya U.)	1pH-06 Ⓔ Ethanol Application Enhances Freezing Stress Tolerance in Arabidopsis and Sugar Beet Daisuke Todaka[1], Kentaro Nakaminami[1], Akihiro Matsui[1], Seishi Ikeda[2], Thi Nhu Quynh Do[1,4], Maho Tanaka[1], Satoshi Takahashi[1], Chieko Torii[1], Junko Ishida[1], Atsushi J. Nagano[5,6], Motoaki Seki[1,3,7] ([1]Plant Genomic Network Res. Team, RIKEN CSRS, [2]Hokkaido Agri. Res. Center, NARO, [3]KIBR, Yokohama City Univ., [4]AGI, Vietnam, [5]Bioscience and Biotechnology Center, Nagoya Univ., [6]Institute for Advanced Biosciences, Keio Univ., [7]Grad. Sch. Sci. Eng., Saitama Univ.)	Symposium S04 Priming and Memory of Plants in Facing Environmental Changes (14:00-17:00)	Symposium S05 Advances in Cellular and Molecular Signaling in Response to Internal and External Stimuli from Algae to Plants (14:00-17:00)	Symposium S06 Underlying molecular antagonisms as drivers of plant diversification and ecological adaption (14:00-17:00)	15:15
1pE-07 Functional analyses of ROP GDP dissociation inhibitors in *Marchantia polymorpha* Yu Miyazaki[1], Airi Hayashi[2], Yuuki Sakai[1], Hirofumi Nakagami[3], Kenta C. Moriya[1], Yusuke Aihara[1], Hidehiro Fukaki[1], Kimitsune Ishizaki[1] ([1]Grad. Sch. Sci., Kobe Univ., [2]Fuc. Sci., Kobe Univ., [3]MPIPZ)		1pG-07 The new role of stomatal CO_2 response in plant growth and environmental stress tolerance in Arabidopsis Koki Nakano[1], Sinya Sato[2], Keiko Kano[2], Emi Mishiro[2], Toshinori Kinoshita[1,3], Yohei Takahashi[1,3] ([1]Grad. Sch. Sci., Univ. Nagoya, [2]Molecular Structure Center, WPI-ITbM, Univ. Nagoya, [3]WPI-ITbM, Univ. Nagoya)	1pH-07 Enhanced Abiotic Stress Tolerance via Ethanol Treatment in plants: Investigating the Role of Alcohol Dehydrogenase 1 (ADH1) Aki Kawamura[1,4], Daisuke Todaka[1], Akihiro Matsui[1], Chieko Torii[1], Naoki Takahashi[4], Motoaki Seki[1,2,3,4] ([1]Plant Genomic Network Research Team, RIKEN CSRS, [2]KIBR, Yokohama City Univ., [3]Grad. Sch. Sci. Eng., Saitama Univ., [4]Sch. Agr., Meiji Univ.)				15:30
1pE-08 Ⓔ A TONNEAU1-Reqruiting Motif (TRM) protein is required for air chamber development in *Marchantia polymorpha* Ayana Sano[1], Airi Hayashi[2], Yuuki Sakai[3], Kimitsune Ishizaki[3], Yoh Sakuma[1], Hirotaka Kato[1] ([1]Grad. Sch. Sci. Eng., Ehime Univ., [2]Fac. Sci., Kobe Univ., [3]Grad. Sch. Sci., Kobe Univ.)			1pH-08 Genome editing of the *Wfh-sm3* gene for fructan hydrolysis and impact of fructan accumulation on freezing tolerance in winter wheat Kodai Takemoto[1], Kentaro Sasaki[1], Akira Kawakami[2], Ryozo Imai[1] ([1]Institute of Agrobiological Science, NARO, [2]Hokkaido Agricultural Research Center, NARO)				15:45
1pE-09 CSI Is Essential for Schizogenous Intercellular Space Formation in *Marchantia polymorpha* Miya Mizutani[1], Isato Iguchi[1], Ryuichi Nishihama[2], Kimitsune Ishizaki[3], Takayuki Kohchi[4], Taku Demura[1] ([1]Div. Biosci., NAIST, [2]Dept. of Applied Biol. Sci., Fac. of Sci. Tech Tokyo Univ. of Sci., [3]Grad. Sch. Sci., Kobe Univ., [4]Grad. Sch. of Biostudies, Kyoto Univ.)			1pH-09 Freezing behaviors in *Camellia* flower buds visualized using MRI Masaya Ishikawa[1], Kazuma Iwasaki[2], Naoto Momiyama[2], Naohiro Yagyu[2], Naoto Fujita[2], Mai Kudo[1], Mingyi Zu[1], Yasuhiko Terada[2], Norihisa Matsushita[1], Kenji Fukuda[1] ([1]The University of Tokyo, Graduate School of Agricultural and Life Sciences, [2]University of Tsukuba, College of Engineering Sciences)				16:00
1pE-10 Ⓔ Evolutionary Dynamics of Small Peptide Signaling Systems in Liverworts Chihiro Furumizu[1,2], Mari Kondo[2], Kengo Matsushita[2] ([1]Inst. Agric. Life Sci., Academic Assembly, Shimane Univ., [2]Fac. Life Environ. Sci., Shimane Univ.)			1pH-10 The warm temperature insensitive mutant *aco3* in *Arabidopsis thaliana* Moe Masumoto[1], Rin Takeuchi[2], Ryo Takara[2], Tsuyoshi Furumoto[1,2] ([1]Grad. Agr., Univ. Ryukoku, [2]Agr., Univ. Ryukoku)				16:15
1pE-11 *IDD5*-mediated regulation of leaf morphogenesis in *Physcomitrium patens* Ren Yamada[1], Masaki Ishikawa[2], Mitsuyasu Hasebe[2], Akiko Kozaki[1] ([1]Grad. Sch. Sci., Shizuoka. Univ, [2]NIBB)			1pH-11 Functional analysis of *STTP*, a gene whose expression levels are responsive to seasonal temperature changes in *Arabidopsis* Kenta C. Moriya[1,2], Hanako Shimizu[1], Genki Yumoto[1,3], Susumu Uehara[4], Jiro Sugisaka[1], Tomoo Shimada[5], Ryutaro Tokutsu[6], Yusuke Aihara[2], Hidehiro Fukaki[2], Mika Nomoto[4], Yoshikatsu Matsubayashi[7], Yasuomi Tada[4], Kimitsune Ishizaki[2], Mie N. Honjo[1], Hiroshi Kudoh[1] ([1]Center for Ecol. Res., Kyoto Univ., [2]Grad. Sch. Sci., Kobe Univ., [3]IMS., Shinshu Univ., [4]Center for Gene Res., Nagoya Univ., [5]Grad. Sch. Sci., Kyoto Univ., [6]Sch. Veterinary Med., Kitasato Univ., [7]Grad. Sch. Sci., Nagoya Univ.)				16:30

Ⓔ=Presentation in English

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

Time	Room A	Room B	Room C	Room D
	Photosynthesis	Primary metabolism	Plant-organism interaction A	Genome function / gene regulation
16:45	1pA-12 Relation between PGRL1 and PGR5 in the green alga *Chlamydomonas reinhardtii* Hiroko Takahashi[1], Tetsuto Sato[2], Yuki Ito[2], Keisuke Yoshida[3], Yuki Okegawa[4], Ryutaro Tokutsu[5], Yukako Hihara[1] ([1]Grad. Sch. Sci. & Eng., Saitama Univ., [2]Dep. Biochem. & Mol. Biol., Saitama Univ., [3]Lab. Chem. & Life Sci., Inst. Int. Res., Inst. Sci. Tokyo, [4]Inst. Plant Sci. & Res., Okayama Univ., [5]Sch. Vet. Med., Kitasato Univ.)		1pC-12 E Decoding Long-Distance Immune Signaling of Chitin-Induced Systemic Resistance in Rice Micah Lagat[1], Tomoyuki Furuta[1], Naoki Yamaji[1], Hironori Kaminaka[2], Hideki Nishimura[1], Yoji Kawano[1] ([1]Institute of Plant Science and Resources, Okayama University, Okayama, [2]Faculty of Agriculture, Tottori University, Tottori, Japan)	

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Development / Morphogenesis	Bioresources	Environmental response A / Physiological responses	Environmental response B / Environmental stresses				
1pE-12 E From ER Sheets to Shoots: Membrane Remodeling and Control in Moss Prerna Singh[1,2], Tomomichi Fujita[1] ([1]Faculty of Science, Hokkaido University, [2]Institute for the Advancement of Higher Education, Hokkaido University)			1pH-12 Tissue-specific fructan responses during cold acclimation under diurnal temperature fluctuations in wheat Takuma Kikuchi[1], Jan Felix Gehrke[2], Toshihisa Kotake[1], Daisuke Takahashi[1] ([1]Grad. Sch. Sci. Eng., Saitama Univ., [2]Dept. Biol., Ulm Univ.)	Symposium S04 Priming and Memory of Plants in Facing Environmental Changes (14:00-17:00)	Symposium S05 Advances in Cellular and Molecular Signaling in Response to Internal and External Stimuli from Algae to Plants (14:00-17:00)	Symposium S06 Underlying molecular antagonisms as drivers of plant diversification and ecological adaption (14:00-17:00)	16:45

E=Presentation in English

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

Time	Room A	Room B	Room C	Room D
	Photosynthesis	Cell wall	Plant-organism interaction A	Organelles / Cytoskeleton / Endomembrane system
09:00	2aA-01 Photosynthetic Control Variants Generated in the Cyt b_6f Rieske Protein Shin-Ichiro Ozawa[1], Felix Buchert[2], Michael Hippler[1,2] ([1]Inst. Plant Sci. Res., Okayama Univ., [2]Inst. Plant Bio. Biotech., Univ. Münster)	2aB-01 E Molecular Characterization and Structural Insights of *SiCAD1* Gene in Indonesian Foxtail Millet (*Setaria italica*) Sintho Wahyuning Ardie[1], M Reza Pahlevi[2], Ramadaniarto Rizqullah[2], Daisuke Tsugama[3] ([1]Department of Agronomy and Horticulture, Faculty of Agriculture, IPB University, Indonesia, [2]Plant Breeding and Biotechnology Study Program, Graduate School, IPB University, Indonesia, [3]Asian Research Center for Bioresource and Environmental Sciences (ARC-BRES), Graduate School of Agricultural and Life Sciences, The University of Tokyo, Japan)	2aC-01 Analysis of stomatal immunity against grapevine downy mildew pathogen *Plasmopara viticola* Yoshiharu Mimata[1], Wei Zheng[1], Xuenan Zhang[1], Rao Zhang[1,2], Wenxiu Ye[1] ([1]IAAS, Peking Univ., [2]College of Life Sciences, Qingdao Agricultural Univ.)	2aD-01 A functional analysis of the non-photosynthetic chloroplast protein translocator TOC132 in Arabidopsis thaliana guard cells Ryosuke Toyomura, Boseok Song, Sho Yamagaki, Sakura Nishimura, Jo Narimatsu, Koh Iba, Juntaro Negi (Dept. Biol., Fac. Sci., Kyushu Univ.)
09:15	2aA-02 E Cytochrome b_6f influences linear electron flow through lateral distribution and modulates STT7 activity via a phosphorylation feedback loop Michael Hippler[1,3], Afifa Zaeem[1], Davide Tamborrini[2], Martin Scholz[1], Wojciech Wietrzynski[2], Markus Schwarzländer[1], Shin-Ichiro Ozawa[3], Ben Engel[2], Felix Buchert[1] ([1]Institute of Plant Biology and Biotechnology, University of Münster, 48143 Münster, Germany, [2]Biozentrum, University of Basel, Spitalstrasse 41, 4056 Basel, Switzerland., [3]Institute of Plant Science and Resources, Okayama University, Kurashiki, Japan)	2aB-02 Critical role of microtubule plus-end regulation for secondary cell wall patterning in protoxylem vessels Eri Kamon[1], Ya Ma[2], Arata Yoneda[3], Taku Demura[3,4], Misato Ohtani[2,3,4,5] ([1]Ritsumeikan Univ., [2]Grad. Sch. Front. Sci., Univ. Tokyo, [3]Grad. Sch. Sci. Tech., NAIST, [4]RIKEN, CSRS, [5]Grad. Sch. Sci., Univ. Tokyo)	2aC-02 E Cell death-mediated plant immunity against hemibiotrophic fungal pathogen infection Katsuma Yonehara[1,2], Naoyoshi Kumakura[1], Benjamin Cole[3], Hatsune Morinaka[1], Ayako Kawamura[1], Akira Iwase[1], Keiko Sugimoto[1], Dongbo Shi[1,5], Gitta Coaker[4], Ken Shirasu[1,2] ([1]CSRS, RIKEN, Japan, [2]Grad. Sch. Sci., Univ. Tokyo, Japan, [3]DOE JGI, Lawrence Berkeley Natl. Lab., USA, [4]Dept. Plant Pathol., Univ. California, USA, [5]Inst. Pioneering Research, RIKEN, Japan)	2aD-02 Analysis of CO_2-dependent starch metabolism in guard cells and investigation of its regulatory factors Tomoumi Honda, Okuma Reona, Jo Narimatsu, Koh Iba, Juntaro Negi (Dept. Biol., Fac. Sci., Kyushu Univ.)
09:30	2aA-03 The low-temperature response of HCO_3^- transport activity in *Synechococcus elongatus* PCC 7942 Nobuyuki Takatani, Tatsuo Omata, Makiko Aichi (Col. of Biosci. and Biotech. Chubu Univ.)	2aB-03 E Mechanical adaptation of *A. thaliana* root to sucrose supply Liyu Deng[1], Yunshu Wang[2], Yuta Nakagawa[3], Andres Aguilar Ariza[2], Tomomichi Fujita[4], Shumpei Hayashi[5], Akihiro Isozaki[3], Keisuke Goda[3,6,7], Hirotaka Hida[5], Toru Fujiwara[2], Marcel Beier[8] ([1]Grad. Sch. Life Science, Hokkaido University, [2]Dep. Appl. Biol. Chem., Grad. Sch. Agri. Life Sci., The University of Tokyo, [3]Dep. Chem, Grad. Sch. Sci, The University of Tokyo, [4]Fac. Sci. Hokkaido University, [5]Dep. Mech. Eng., Grad. Sch. Kobe University, [6]Dep. Bioeng. Samueli Sch Eng. University of California, [7]Inst. Tech. Sci., Wuhan University, [8]SPMDR Unit, F-REI)	2aC-03 E A novel polyketide biosynthetic enzyme complex produces dihydroxyhexanoic acid and regulates turgor pressure in appressoria Naoyoshi Kumakura[1], Takayuki Motoyama[1], Keisuke Miyazawa[2,3], Toshihiko Nogawa[1], Katsuma Yonehara[1,4], Kaori Sakai[5], Nobuaki Ishihama[1], Kaisei Matsumori[3,4], Pamela Gan[1], Hiroyuki Koshino[1], Takeshi Fukuma[2,3], Richard O' Connell[5], Ken Shirasu[1,4] ([1]RIKEN CSRS, [2]Inst. Sci. Eng., Kanazawa Univ., [3]WPI-NanoLSI, Kanazawa Univ., [4]Grad. Sch. Sci., Tokyo Univ., [5]Univ. Paris-Saclay, INRAE)	2aD-03 miRNA pathway mediates maternal inheritance of chloroplast DNA in *Chlamydomonas* Yoshiyuki Nishiyama, Kana Matsumoto, Tomohito Yamasaki (Fac. Sci. & Technol., Kochi Univ.)

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Development / Morphogenesis	Reproduction	Environmental response A / Physiological responses	Environmental response B / Environmental stresses				
2aE-01 Ⓔ The Arabidopsis AN-GRF module governs body plan establishment through organ boundary control Ryoka Tsuru[1], Hirokazu Tsukaya[2], Gorou Horiguchi[1,3] ([1]Dept. Biol., Coll. Sci., Rikkyo Univ., [2]Grad. Sch. Sci., Univ. Tokyo, [3]Cent. Life Sci., Coll. Sci., Rikkyo Univ.)	2aF-01 Molecular Mechanisms of Host Synchronization and Autonomous Regulation of Floral Transition in *Cuscuta* Plants Masaki Takagawa[1], Toshiya Yokoyama[2], Mariko Asaoka[2], Kazuhiko Nishitani[2], Mitsutomo Abe[3], Ryusuke Yokoyama[1] ([1]Grad. Sch. Life Sci., Tohoku Univ., [2]Fac. Sci., Kanagawa Univ., [3]Grad. Sch. Art Sci., Univ. Tokyo)	2aG-01 Systematic measurement of isoprene emissions under various environmental conditions using a parallel growth chamber system Junnan Li[1], Kanako Sekimoto[2], Daisuke Fukuyama[2], Takuya Saito[3], Atsushi J. Nagano[4,5] ([1]Grad. Sch. of Agr., Ryukoku Univ., [2]Grad. Sch. Sci., Yokohama City Univ., [3]Earth System Division, NIES, [4]Bioscience and Biotechnology Center, Nagoya Univ., [5]IAB, Keio Univ.)	2aH-01 Elucidating the mechanisms of drought adaptation in wild rice through multi-omics analysis with indoor phenotyping Fumiyuki Soma[1], Yoshihiro Kawahara[2], Takanari Tanabata[3], Atsushi Hayashi[4], Yuka Kitomi[1], Nobuo Kochi[4], Eiji Yamamoto[1], Nobuhiro Tanaka[1], Michiya Negishi[4], Kenichi Tokuda[4], Hiroaki Sakai[2], Yusaku Uga[1] ([1]Institute of Crop Science, NARO, [2]Research Center for Advanced Analysis, NARO, [3]Kazusa DNA Research Institute, [4]Research Center for Agricultural Robotics, NARO)	Symposium S07 Frontiers in Plant Science Revealed by Space Environments: From Molecular Mechanisms to Future Horizons (9:00–12:00)	Symposium S08 Nuclear Architecture as a Scaffold: Structural Views on Gene Regulation and Cellular Function in Plants and Beyond (9:00–12:00)	Symposium S09 Asymmetries in plant structure and signaling (9:00–12:00)	09:00
2aE-02 TCP transcription factors promote apoplastic acidification to drive cell expansion in *Arabidopsis thaliana* Tomotsugu Koyama[1], Tadashi Kunieda[2,3], Hiromi Toyonaga[1], Mika Nobuhara[1], Nobutaka Mitsuda[4], Kouichi Soga[5], Junko Ishida[6], Motoaki Seki[6], Koji Takahashi[7,8], Toshinori Kinoshita[7,8], Ayumu Bessho[2], Taku Demura[2,3], Masaru Ohme-Takagi[9] ([1]Suntory Foundation for Life Sciences, [2]Division of Biological Science, Nara Institute of Science and Technology, [3]Center for Digital Green-innovation, Nara Institute of Science and Technology, [4]Biomanufacturing Process Research Center, AIST, [5]Graduate School of Science, Osaka Metropolitan University, [6]Center for Sustainable Resource Science, RIKEN, [7]Graduate School of Science, Nagoya University, [8]Institute of Transformative Bio-Molecules, Nagoya University, [9]National Cheng Kung University, College of Bioscience and Biotechnology)	2aF-02 Transcriptional control of *MACCHI-BOU4* gene in Arabidopsis during nectary development Ryosuke Ohta, Nobutoshi Yamaguchi, Toshiro Ito (NARA INSTITUTE of SCIENCR and TECHNOLOGY)	2aG-02 Ⓔ Mobile Glutamate Activates GLUTAMATE RECEPTOR-LIKE Channels to Orchestrate Systemic Wound Signals Rimsha Ishaq[1], Gen Hirohara[1], Takuma Hagihara[1], Keitaro Tanoi[2,3], Masatsugu Toyota[1,4,5] ([1]Dept. Biochem. Mol. Biol., Saitama Univ., [2]Grad. Sch. Agric. Life Sci., Univ. Tokyo, [3]F-REI, [4]SunRiSE, Suntory Fdn. Life Sci., [5]Coll. Plant Sci. Technol., Huazhong Agric. Univ.)	2aH-02 Cuticular wax plasticity in the amphibious plant *Rorippa aquatica* enables rapid gas exchange under submergence Shuka Ikematsu[1], Tatsuki Tsujino[1], Keita Minai[1], Tomu Shimada[1], Tomoaki Sakamoto[1], Takashi Nobusawa[2], Seisuke Kimura[1] ([1]Life Sci., Kyoto Sangyo Univ., [2]Grad. Sch. Integr. Sci., Hiroshima Univ.)				09:15
2aE-03 Ⓔ Investigation of the molecular mechanisms of Arabidopsis petiole formation based on RNA-seq Yujie Zhao, Hokuto Nakayama, Hirokazu Tsukaya (Grad. Sch. Sci., Univ. Tokyo)	2aF-03 Elucidation of the regulatory mechanisms of petal abscission mediated by the EIN3-ORE1 pathway Yuki Furuta, Nobutoshi Yamaguchi, Toshiro Ito (NAIST)	2aG-03 Molecular Basis of Action-Potential–Mediated Trapping Movements in the sundew *Drosera rotundifolia* Shoji Segami[1,2], Tadahiro Ochiai[2], Peng Chen[2], Hui Liu[2], Riku Matsuda[3], Liechi Zhang[1], Shoko Ohi[1], Hiraku Suda[4], Masatsugu Toyota[4], Mitsuyasu Hasebe[1,2] ([1]NIBB, [2]SOKENDAI, [3]Grad. Sch. Sci., Nagoya Univ., [4]Grad. Sch. Sci. Eng., Saitama Univ.)	2aH-03 Ⓔ The Conservation of ETR-HK-B3-Raf-SnRK2 Signaling Framework in Algae Uncovers Drought Resilience Mechanisms that Enabled the Transition from Aquatic to Terrestrial Habitats Mohammed Arif Sadik Polash[1,2], Yuto Yamazaki[1], Hideo Kimura[1], Md. Masudul Karim[1,3], Koichi Hori[4], Hiroyuki Ohta[4], Jun Minagawa[5], Hidetoshi Sakayama[6], Tomoaki Nishiyama[7], Yoichi Sakata[8], Daisuke Takezawa[1] ([1]Graduate School of Science and Engineering, Saitama University, Shimo-ohkubo 255, Sakura-ku, Saitama, 338-8570, Japan, [2]Department of Crop Botany, Khulna Agricultural University, Khulna-9202, Bangladesh, [3]Department of Crop Botany, Bangladesh Agricultural University, Mymensingh-2202, Bangladesh, [4]School of Life Science and Technology, Institute of Science Tokyo, 2 Chome-12-1, Ookayama, Meguro City, Tokyo, 152-8550, Japan, [5]National Institute of Basic Biology, 38 Nishigokana Myodaiji, Okazaki, 444-8585, Japan, [6]Graduate School of Science, Kobe University, 1-1, Rokkodai-Cho, Nada-ku, Kobe, 657-8501, Japan, [7]School of Science, University of Toyama, 2630, Sugitani, Toyama-Shi, Toyama, 930-0194, Japan, [8]Department of Bioscience, Tokyo University of Agriculture, 1-1-1 Sakuragaoka, Setagaya-ku, Tokyo 156-8502, Japan)				09:30

Ⓔ=Presentation in English

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

Time	Room A	Room B	Room C	Room D
	Photosynthesis	Cell wall	Plant-organism interaction A	Organelles / Cytoskeleton / Endomembrane system
09:45	2aA-04 Evaluation of CO_2–concentrating mechanisms in the amphibious plant *Hygrophila difformis* by analysis of photosynthetic O_2 evolution and electron transport rates Genki Horiguchi[1], Ko Noguchi[2] ([1]Agri., Tokyo univ. Agri. Tech., [2]Sch. Life Sci, Tokyo univ. Pharm. Life Sci.)	2aB-04 Structural Features of Arabidopsis TPFLA and their Roles in Exine Formation Kaho Kumazawa[1], Seiya Nishihara[1], Saki Nabeta[1], Nozomi Ueki[1], Kohei Tsuchida[1], Tadashi Kunieda[2], Haruko Ueda[3], Sumie Ishiguro[1] ([1]Bio-Agric. Sci., Nagoya Univ., [2]Bio. Sci., NAIST., [3]Sci. & Eng., Konan Univ.)	2aC-04 E Transcriptomic Insights into Broad-Spectrum Resistance of Luffa to Field-Isolated Fusarium Wilt Isolates in Taiwan Yu-Xuan Jiang[1], Che-Han Chu[1], Wen-Hsin Chung[2], Shu-Yun Chen[1] ([1]Department of Agronomy, Nantional Chung Hsing University, Taiwan, [2]Department of Plant Pathology, Nantional Chung Hsing University, Taiwan)	2aD-04 Differential ppGpp Accumulation Drives Distinct Growth through Transcriptomic and Metabolic Reprogramming in Plants Takanari Nemoto[1], Yuto Omata[1], Kazuma Sakoda[2], Mikiko Kojima[3], Hitoshi Sakakibara[3,4], Akira Oikawa[3,5], Sosuke Imamura[2], Shinji Masuda[1] ([1]Dep. Life Sci. Tech., Science Tokyo, [2]Space Environment and Energy Laboratories, NTT, Inc., [3]CSRS, RIKEN, [4]Grad. Sch. Bioagric. Sci., Nagoya Univ., [5]Grad. Sch. Agric., Kyoto Univ.)
10:00	2aA-05 Evaluation of the role of photosynthesis in cotyledon fate determination of the one-leaf plant *Monophyllaea* Shunji Nakamura[1], Ai Soma[2], Keitaro Tanoi[2], Hirokazu Tsukaya[1] ([1]Grad. Sch. Sci., Univ. Tokyo, [2]Grad. Sch. Agri. Life Sci., Univ. Tokyo)	2aB-05 E In situ cell wall-cuticle continuum analysis of intact Arabidopsis thaliana organs with attenuated total reflection Fourier transform infrared microspectroscopy Hidemasa Teraoka[1], Shota Saito[1], Naoki Numadate[2], Yoshimi Oshima[3] ([1]Grad. Sch. Arts & Sci., Univ. Tokyo, [2]Inst. Pure & Applied Sci., Tsukuba Univ., [3]Biomanufacturing Process Res. Cent., AIST)	2aC-05 E Breaking Defenses: Unraveling Effector Diversity in Wheat Leaf Rust Ankita Shree, Priyanka Kumari, Hasnain Raghib Hassan, Manish Kumar, Kunal Mukhopadhyay (Birla Institute of Technology)	2aD-05 Chloroplast-localized mechanosensitive channel MSL2 is involved in the osmoregulation of chloroplasts in guard cells Miho Yamahana[1], Atsushi Togaki[1], Chikako Tanaka[1], Kanako Yamasaki[1], Yoko Ishizaki[1], Yuki Sakamoto[2], Takashi Shiina[1] ([1]Fac. Agr., Setsunan Univ., [2]Fac. Sci., Shinshu Univ)
10:15	2aA-06 Uncovering a novel PyShell component linked to the function of the CO_2-concentrating mechanism in marine diatom *Phaeodactylum tricornutum* Masakazu Toyoshima[1], Ginga Shimakawa[2], Yusuke Matsuda[1] ([1]Sch. of Biol. and Environ. Sci., KGU, [2]Grad. Sch. of Agri. Sci., Kobe Univ.)	2aB-06 MYB16-mediated modification of the cell wall-cuticle continuum characterized by chemical structural and transcriptomic analysis Yoshimi Oshima[1,2], Tetsuya Hama[3], So Taniguchi[3], Yuko Takiguchi[1], Shingo Sakamoto[1], Taku Tsuyama[1,4], Shigeo S. Sugano[1], Nobutaka Mitsuda[1] ([1]BPRC, AIST, [2]PRESTO, JST, [3]Grad. Sch. Arts & Sci., Univ. Tokyo, [4]Sch. Agr., Univ. of Miyazaki)	2aC-06 E Identification and characterization of the effector for the paired NLRs Pit1 and Pit2 Alfino Sebastian[1], Motoki Shimizu[2], Nobuko Yasuda[3], Ryohei Terauchi[4], Fumi Fukada[1], Yoji Kawano[1] ([1]Institute of Plant Science and Resources, Okayama University, Japan, [2]Iwate Biotechnology Research Center, Japan, [3]National Agriculture and Food Research Organization, Japan, [4]Laboratory of Crop Evolution, Kyoto University, Japan)	2aD-06 How is thylakoid membrane lipid synthesis involved in the plastid gene expression? Kosei Noto[1], Risa Uwatoko[2], Yuki Hagiwara[1], Satoru Niida[3], Kurumi Yamada[3], Atushi Takabayashi[4], Koichi Kobayashi[5], Noriko Nagata[2], Sho Fujii[1,3] ([1]Grad. Sch. Agric. Life Sci., Hirosaki Univ., [2]Grad. Sch. Sci., Japan Women's Univ., [3]Fac. Agric. Life Sci., Hirosaki Univ., [4]ILTS, Hokkaido Univ., [5]Fac. Lib. Arts Sci. Global Edu., Osaka Metropolitan Univ.)
10:30	2aA-07 Localization and function of bestrophin in the marine diatom *Phaeodactylum tricornutum* Karin Niwa, Minori Nigishi, Yusuke Matsuda (Grad. Bio. Sci., Uiv. Kwanseigakuin)	2aB-07 Histochemical analyses of cell morphogenesis underlying flood tolerance in rice stems Kosuke Mori[1], Rio Ito[2], Motoyuki Ashikari[3], Keisuke Nagai[3] ([1]Grad. Sch. Bio. Sci., Univ. Nagoya, [2]Sch. Agr. Sci., Univ. Nagoya, [3]"Cent. Gen., Univ. Nagoya)	2aC-07 E Neofunctionalization of the RGF peptide signaling pathway drives haustorial organogenesis in parasitic plants Max Fishman[1], Anne Greifenhagen[1], Takanori Wakatake[1], Anuphon Laohavisit[1], Ryoko Hiroyama[1], Sachiko Masuda[1], Arisa Shibata[1], Satoko Yoshida[2], Ken Shirasu[1,3] ([1]RIKEN, Center for Sustainable Resource Science, [2]Nara Institute of Science and Technology, [3]Graduate School of Science, University of Tokyo)	2aD-07 Roles of anionic phospholipid PG and anionic glycolipid SQDG during etioplast-to-chloroplast differentiation Akiko Yoshihara[1], Risa Uwatoko[2], Keiko Kobayashi[2], Noriko Nagata[2], Koichi Kobayashi[1] ([1]Grad. Sch. Sci., Osaka Metro. Univ., [2]Fac. Sci., Japan Women's Univ.)
10:45	2aA-08 The function of PtSLC4-6 and PtSLC4-7 as chloroplast HCO_3^- transporters in the marine diatom *Phaeodactylum tricornutum* Miyuu Ninomiya, Kensuke Nakajima, Nawaly Hermanus, Yusuke Matsuda (Grad Bio Sci Univ Kwanseigakuin)	2aB-08 E Glycosylation-dependent sorting of an arabinogalactan protein SLEEPING BEAUTY mediates apical tip growth in *Physcomitrium patens* Chao-Yuan Yu[1], Manju Maharjan[2], Chao-Hsi Liu[3], Ooi-Kock Teh[1] ([1]Institute of Plant and Microbial Biology, Academia Sinica, [2]Department of Plant Physiology, Umeå Plant Science Centre, Umeå University, [3]Department of Environmental Engineering, National Cheng Kung University)	2aC-08 Strigolactone-Mediated Regulation of Nitrogen Responses and Pigmentation in Soil Filamentous Fungi Shingo Suginoo[1], Naoki Kato[2], Hiroyuki Osada[3], Yuichiro Tsuchiya[1,4] ([1]Grad. Sch. Sci., Nagoya Univ., [2]Grad. Sch. Agri., Setsunan Univ., [3]CSRS, Riken, [4]ITbM, Nagoya Univ.)	2aD-08 Compatibility between Arabidopsis ARC6 and its cyanobacterial homologue in the growth regulation of Arabidopsis Kota Kobayashi[1], Ryota Uto[1], Yasuko Ito-Inaba[1,2], Takehito Inaba[1] ([1]Fac. Agr., Univ. Miyazaki, [2]Grad. Sch. Life Sci., Tohoku Univ.)

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Development / Morphogenesis	Reproduction	Environmental response A / Physiological responses	Environmental response B / Environmental stresses				
2aE-04 Ⓔ Inferring cell division events from cell geometry: A revision of classical cell division rules Zining Wang[1], Yujie Zhao[1], Yasuhiro Inoue[2], Atsushi Mochizuki[3], Hirokazu Tsukaya[1] ([1]Grad. Sch. Sci., Univ. Tokyo, [2]Dept. Micro Eng., Kyoto Univ., [3]Inst. Front. Life Med. Sci., Kyoto Univ.)	2aF-04 Functional analysis of pistil factors associated with interspecific reproductive barriers in *Arabidopsis thaliana* Tsukasa Matsuura[1], Yoshinobu Kato[1], Kenta Shirasawa[2], Kayo Mori[1], Seiji Takayama[1], Sota Fujii[1,3] ([1]Grad. Sch. Agric. Lif. Sci, Univ. Tokyo, [2]Kazusa DNA. Res. Inst., [3]Suntory Rising Stars Encouragement Program in Life Sciences)	2aG-04 Requirement of *glabrous1* for the growth-promoting effects of olivine for enhanced weathering Minoru Ueda[1], Daisuke Todaka[1], Satoshi Takahashi[1], Junko Ishida[1], Maho Tanaka[1], Tokihiro Ikeda[2], Keiko Suzuki[3], Misako Miwa[4], Takeshi Uchiyama[5], Yasuhiro Ishimaru[5], Kazuhiro Sayama[6], Nobuyuki Uozumi[5], Shigeo Matsuyama[4], Atsushi J. Nagano[7,8], Hidehiko Kikuno[9], Motoaki Seki[1,10,11] ([1]RIKEN CSRS, [2]RIKEN Nishina Center, [3]RIKEN CEMS, [4]Dept. Quantum Sci. & Energy Eng., Grad. Sch. Eng., Tohoku Univ., [5]Dept. Biomol. Eng., Grad. Sch. Eng., Tohoku Univ., [6]GZR, AIST, [7]Biosci. Biotech. Ctr., Nagoya Univ., [8]IAB, Keio Univ., [9]TUA Miyako Subtropical Training and Research Farm, [10]KIBR, Yokohama City Univ., [11]Grad. Sch. Sci. Eng., Saitama Univ.)	2aH-04 *Arabidopsis* DMP1 mediates long distance signaling via extracellular vesicles under drought stress conditions Haruka Otani[1], Wakana Inoue[1], Miho Kikuchi[2], Mayuko Sato[3], Kiminori Toyooka[3], Takehiro Suzuki[3], Naoshi Dohmae[3], Fuminori Takahashi[1,2] ([1]Grad. Sch. Fac. Adv. Eng., TUS, [2]Fac. Adv. Eng., TUS, [3]CSRS, RIKEN)	Symposium S07 Frontiers in Plant Science Revealed by Space Environments: From Molecular Mechanisms to Future Horizons (9:00–12:00)	Symposium S08 Nuclear Architecture as a Scaffold: Structural Views on Gene Regulation and Cellular Function in Plants and Beyond (9:00–12:00)	Symposium S09 Asymmetries in plant structure and signaling (9:00–12:00)	09:45
2aE-05 Mechanisms of organ growth via VLCFA-mediated non-cell-autonomous signal from the epidermis Takashi Nobusawa[1], Takehide Kato[2], Masaaki Umeda[2], Miyo Terao Morita[3], Makoto Kusaba[1] ([1]Grad. Sch. Int. Sci. Life, Hiroshima Univ., [2]Grad. Sch. Sci. Technol, NAIST, [3]NIBB, NINS)	2aF-05 Identification of pollen-side factor interact with pistil pre-zygotic reproductive barrier peptide in *Arabidopsis* via GWAS Kazuki Hirano[1], Hiroki Miura[1], Takuya T. Nagae[2], Seiji Takayama[1], Sota Fujii[1,3] ([1]Grad. Sch. Agri. Life Sci., Univ. Tokyo, [2]RIKEN CSRS, [3]Suntory SunRiSE)	2aG-05 A Novel Period-Shortening Small Molecule Hiyori Fujikawa[1], Junichiro Yamaguchi[2], Hiromi Matsuo[1], Norihito Nakamichi[1] ([1]Graduate School of Bioagricultural Sciences, Nagoya University, [2]School of Advanced Science and Engineering, Waseda University)	2aH-05 Ⓔ Improving drought stress tolerance of cotton by using ethanol application Farhan Aziz[1,2], Daisuke Todaka[1], Maho Tanaka[1], Satoshi Takahashi[1], Khurram Bashir[1,2], Motoaki Seki[1,3,4] ([1]Plant Genomic Network Research Team, RIKEN Center for Sustainable Resource Science, 1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan, [2]Department of Life Sciences, Lahore University of Management Sciences, DHA Phase 5, Lahore 54792, Pakistan, [3]Kihara Institute for Biological Research, Yokohama City University, 641-12 Maioka-cho, Totsuka-ku, Yokohama, Kanagawa 244-0813, Japan, [4]Graduate School of Science and Engineering, Saitama University, Saitama, Saitama, 338-8570, Japan)				10:00
2aE-06 Negative control of a master transcriptional regulator for shoot epidermal cell differentiation Shinobu Takada[1], Ayaka Yoshida[1], Hiroyuki Iida[1,2] ([1]Dept. Biol. Sci., Grad. Sch. Sci., Univ. Osaka, [2]Organismal and Evolutionary Biology Programme, Faculty of Biological and Environmental Sciences, University of Helsinki)	2aF-06 Ⓔ A Novel Arabidopsis Protein, POTI, Plays an Important Role in Maintaining the Integrity of PollenTubes Natalia Julia Rzepecka[1], Yoko Ito[3], Emi Ito[3,4,5], Tomohiro Uemura[2] ([1]Faculty of Core Research, Ochanomizu Univ., [2]Graduate School of Humanities and Sciences, Ochanomizu Univ., [3]Institute for Human Life Sciences, Ochanomizu Univ., [4]Division of Cellular Dynamics, NIBB, [5]Basic Biology Program, Graduate Institute for Advanced Studies, SOKENDAI)	2aG-06 *CKL* genes control circadian period at higher temperatures Norihito Nakamichi, Mayuko Yamada, Hiromi Matsuo, Akari Maeda, Tomoaki Muranaka (Grad. Sch. Agr., Nagoya Univ.)	2aH-06 Novel stomatal closing compounds dissect the signaling pathway for underlying light-induced stomatal opening and improve drought tolerance in plants Kwangchul Shin[1], Yusuke Aihara[2,3], Kohei Fukatsu[1], Shigeo Toh[4], Kei Murakami[5], Yuki Hayashi[1], Ayato Sato[2,6], Toshinori Kinoshita[1,2] ([1]Grad. Sch. Sci., Nagoya Univ., [2]WPI-ITbM, Nagoya Univ., [3]Grad. Sch. Sci., Kobe Univ., [4]Grad. Sch. Agr., Meijo Univ., [5]Sch. Sci., Kwansei Gakuin Univ., [6]COMIT, Nagoya Univ.)				10:15
2aE-07 Analysis of the Regulatory Roles of HD-ZIP IV Transcription Factors in Leaf Epidermal Cell-Fate Determination Kenji Nagata[1], Takafumi Miyashita[2], Akitoshi Iwamoto[2,3], Taku Takahashi[4], Mitsutomo Abe[1] ([1]Grad. Sch. Arts and Sci., Univ. Tokyo, [2]Grad. Sch. Sci., Kanagawa Univ., [3]Dept. Biol. Fac. Sci. Kanagawa Univ., [4]Grad. Sch. Sci., Okayama Univ.)	2aF-07 Analysis of Ca^{2+} spike in *Arabidopsis* sperm cells Daigo Ishida[1], Naoya Sugi[1,2], Kazuki Motomura[3], Kazuo Ebine[4], Daichi Susaki[1,5], Daisuke Maruyama[1] ([1]KIBR, Yokohama City Univ., [2]RDP • ENS-Lyon, [3]Rea. Org. Sci. Tec., Ritsumeikan Univ., [4]Grad. School. Science. Eng., Saitama Univ., [5]Dept. Biol. Sci., Fac. Sci., Shizuoka Univ.)		2aH-07 Investigating the importance of roots in recovery from hypoxia-induced leaf wilting in *Brassica napus* Natsumi Takahashi[1], Nozomi Yokouchi[1], Hirokazu Takahashi[2], Mikio Nakazono[2], Kanna Izawa[1], Shin-ichi Nakamura[1], Akihisa Shinozawa[1] ([1]Dept. Bioscience, Tokyo Univ. Agric., [2]Grad. Sch. Bioagric. Sci., Univ. Nagoya)				10:30
2aE-08 Ⓔ Submergence-Induced Epidermal Cell Chloroplasts Differentiation in *Rorippa aquatica* Dwi Fajar Sidhiq[1], Shuka Ikematsu[2,3], Tomoaki Sakamoto[2,3], Seisuke Kimura[2,3] ([1]Grad. Sch. of Life Sci. Kyoto Sangyo Univ., [2]Fac. Life Sci., Kyoto Sangyo Univ., [3]Center for Plant Sci., Kyoto Sangyo Univ.)	2aF-08 Functional characterization of CRMC, a multi-CNBD cAMP receptor, in *Marchantia polymorpha* Ranran Iwabuchi[1], Motoki Nakagami[1], Chiaki Yamamoto[1], Tomoyuki Furuya[2], Fumio Takahashi[3], Masahiro Kasahara[1] ([1]Grad. Sch. Life Sci., Ritsumeikan Univ., [2]Grad. Sch. Sci., Univ. Osaka., [3]Faculty Pharma. Sci., Toho Univ.)		2aH-08 Analysis of ABA responsive activity in hypoxia-induced aerenchyma forming region in rice roots Momoka Kojima, Akihisa Shinozawa, Kanna Izawa, Shin-ichi Nakamura (Dept. Bioscience, Tokyo Univ. Agric.)				10:45

Ⓔ=Presentation in English

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

Time	Room A	Room B	Room C	Room D
	Photosynthesis	Cell wall	Plant-organism interaction A	Organelles / Cytoskeleton / Endomembrane system
11:00	2aA-09 Pyrenoid carbonic anhydrase sorting mechanism Riho Nagamatsu[1], Ginga Shimakawa[2], Yusuke Matsuda[1] ([1]Kwanseigakuin Univ., [2]Kobe Univ.)	2aB-09 E Identification of Putative Cell Wall Sensors in *Physcomitrium patens* Chin-Lien Tseng (Institute of Plant and Microbial Biology, Academia Sinica)	2aC-09 Involvement of cell wall integrity perturbation in induced systemic resistance triggered by root colonization of beneficial fungus *Trichoderma atroviride* in Arabidopsis Ayae Sakai[1], Aika Tsuneka[2], Kaoru Ohsawa[2], Momoko Takagi[2,3], Hironori Kaminaka[2] ([1]United Grad. Sch. Agr., Tottori Univ., [2]Fac. Agr., Tottori Univ., [3]Grag. Sch. Arts and Sci., Univ. Tokyo)	2aD-09 Regulation of chloroplast functions by the TGN-localized SNARE SYP4 Aimi Taura[1], Yoko Ito[2], Wataru Yamori[3], Noriko Nagata[4], Tomohiro Uemura[1,2,5] ([1]Grad. Sch. Humanities and Sciences., [2]IHLS., Ochanomizu Univ., [3]Graduate School of Agricultural and Life Sciences, Tokyo Univ., [4]Department of Chemical and Life Sciences, Faculty of Science, Japan Women's Univ., [5]Faculty of Core Research, Natural Science Div., Ochanomizu Univ.)
11:15	2aA-10 Identification of the Bass4 Protein Functioning as an Malate Transporter in NADP-ME Type C4 Plants Rin Yokoe[1], Ayaka Azuma[2], Fuka Iga[2], Tsuyoshi Furumoto[1,2] ([1]Grad. Agr, Univ. Ryukoku, [2]Agr, Univ. Ryukoku)	2aB-10 E A putative cell wall integrity sensor coordinates cell cycle progression in *Phsycomitrium patens* Ooi-Kock Teh, Yadav Bal Govind (Institute of Plant and Microbial Biology, Academia Sinica)	2aC-10 Root commensal bacteria digest immuno-eliciting peptides by secreting extracellular peptidases Yusuke Inagaki[1], Tomohisa Shimasaki[1], Ulla Neumann[2], Yumiko Makino[3], Tomoko Mori[3], Sara Christina Stolze[4], Hirohumi Nagami[4], Takuya Yoshida[3,5], Ryohei Thomas Nakano[1,4] ([1]Fac. of Sci., Hokkaido Univ., [2]CeMic, MPIPZ, [3]Trans-Omics Facility, NIBB, [4]MPIPZ, [5]Basic Biology Program, SOKENDAI)	2aD-10 Role of bZIP transcription factors in *Cyanidioschyzon merolae* Haruka Saito[1], Kan Tanaka[2], Toshihide Okajima[3], Mitsumasa Hanaoka[1,4,5] ([1]Grad. Sch. Horticul., Chiba Univ., [2]Lab. Chem. Life Sci., Science Tokyo, [3]SANKEN, Osaka Univ., [4]Plant Mol. Sch. Cent., Chiba Univ., [5]Res. Cent. Space Agr. Hort., Chiba Univ.)
11:30	2aA-11 Arabidopsis photorespiration allows for subcellular translocation of glutamine synthetase Shinya Wada[1], Hayato Sato[2], Keiki Ishiyama[1], Takanori Maruta[3], Amane Makino[1], Hiroyuki Ishida[1], Chikahiro Miyake[2] ([1]Grad. Sch. Agri., Tohoku Univ., [2]Grad. Sch. Agri., Kobe Univ., [3]Grad. Sch. Nat. Sci. Tech., Shimane Univ.)	2aB-11 E Divergent plasmodesmata targeting mechanisms between *Marchantia polymorpha* and *Nicotiana benthamiana* Kuan-Ju Lu[1,4], Ta Thi Thuy Lihn[1], Hui-Yu Chang[1], Sumanth Mutte[2,3], Shiuan-Jie Tsai[1], Yun-Zhen Li[1] ([1]Graduate Institute of Biotechnology, National Chung Hsing University, Taiwan, R.O.C., [2]MyGen Informatics Private Limited, India, [3]MyGen Informatics VOF, Netherlands, [4]Advanced Plant and Food Crop Biotechnology Center, National Chung Hsing University, Taiwan, R. O. C.)	2aC-11 E Bacterial methionine metabolism plays a role in root-commensal interactions Fiqih Ramadhan[1], Zoe Prockl[1], Jana Hucklenbroich[2], Silvina Perin[2], Tomohisa Shimasaki[1], Ryohei Thomas Nakano[1,2] ([1]Fac of Sci, Hokkaido Univ, [2]MPIPZ)	2aD-11 Exploring regulatory mechanisms of plastid functions in Arabidopsis roots Sho Fujii[1], Akira Iwase[2], Noriko Nagata[3], Ryuhei Maruoka[1], Reiji Kakizaki[1], Tamao Makino[1] ([1]Fac. Agri. Life Sci., Hirosaki Univ., [2]CSRS, RIKEN, [3]Fac. Sci., Japan Women's Univ.)
11:45	2aA-12 Expressional controls of CCM/pyrenoid components in marine diatoms under major nutrient starvations Momoka Amano[1], Ginga Shimakawa[2], Yusuke Matsuda[1] ([1]Grad. Sch. Sci. Tech., Kwansei Gakuin Univ., [2]Grad. Sch. Agric., Kobe Univ.)		2aC-12 E Towards unraveling the role of salicylic acid in executing hypersensitive cell death Keisuke Yoshida[2], Ai Obayashi[2], Keigo Tokunaga[1], Eriko Betsuyaku[1], Shunsuke Masuo[3], Shigeyuki Betsuyaku[1] ([1]Fac. of Agr., Ryukoku Univ., [2]Grad. Sch. of Agr., Ryukoku Univ., [3]Fac. of Life & Env. Sci./MiCS, Univ. of Tsukuba)	

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Development / Morphogenesis	Reproduction	Environmental response A / Physiological responses	Environmental response B / Environmental stresses				
2aE-09 Genomic basis for the loss and retention of terrestrial traits and aquatic adaptation in the obligate submerged plant *Callitriche hermaphroditica* Hiroki Mizoguchi, Hiroyuki Koga, Hirokazu Tsukaya (Grad. Sch. Sci., UTokyo)	2aF-09 Functional analysis of Mp*VICSPER1*, a homolog of voltage-gated ion channel, in sperm chemotaxis in *Marchantia polymorpha* Mizuki Morita[1], Noriyuki Suetsugu[2], Takayuki Kohchi[3], Taisuke Togawa[4], Katsuyuki T. Yamato[4] ([1]Grad. Sch. BOST., Kindai Univ., [2]Grad. Sch. Arts and Sciences., Univ. Tokyo, [3]Grad. Sch. Biostudies., Kyoto Univ., [4]Fac. BOST., Kindai Univ.)		2aH-09 ABA is involved in the recovery of leaves wilted by hypoxia in *Brassica napus* Akihisa Shinozawa[1], Nozomi Yokouchi[1], Hirokazu Takahashi[2], Mikio Nakazono[2], Kanna Izawa[1], Shin-ichi Nakamura[1] ([1]Dept. Bioscience, Tokyo Univ. Agric., [2]Grad. Sch. Bioagric. Sci., Univ. Nagoya)	Symposium S07 Frontiers in Plant Science Revealed by Space Environments: From Molecular Mechanisms to Future Horizons (9:00–12:00)	Symposium S08 Nuclear Architecture as a Scaffold: Structural Views on Gene Regulation and Cellular Function in Plants and Beyond (9:00–12:00)	Symposium S09 Asymmetries in plant structure and signaling (9:00–12:00)	11:00
2aE-10 Nucleolar development during transdifferentiation from mesophyll cells into xylem vessel cells and its regulatory factors Soya Tamaki[1], Ryuu Morikawa[2], Takaaki Yonekura[2], Shunji Shimadzu[3], Yuki Kondo[3], Munetaka Sugiyama[2] ([1]Department of Biological Sciences, Faculty of Science, The University of Tokyo, [2]Department of Biological Sciences, Graduate School of Science, The University of Tokyo, [3]Department of Biological Sciences, Graduate School of Science, The University of Osaka)	2aF-10 REAP1/AtSWAP70 integrates RAB5 and ROP signaling during sexual reproduction Emi Ito[1,2,3], Natalia Rzepecka[4], Yoko Ito[3], Tomoko Hirano[5], Kazuo Ebine[6], Yoshihisa Oda[7], Masa H Sato[5], Akihiko Nakano[8,9], Tomohiro Uemura[4,10], Takashi Ueda[1,2] ([1]Div. Cell Dynamics, NIBB, [2]Basic Biology Program, SOKENDAI, [3]IHLS, Ochanomizu Univ., [4]Faculty of Core Research, Ochanomizu Univ., [5]Grad. Sch. Life Env. Sci., Kyoto Prefectural Univ., [6]Grad. Sch. Sci. Engr., Saitama Univ., [7]Dept. Biol. Sci., Grad. Sch. Sci., Nagoya Univ., [8]Institute of Integrated Research, Sci. Tokyo, [9]RIKEN Center for Advanced Photonics, [10]Grad. Sch. Hum. Sci., Ochanomizu Univ.)		2aH-10 Investigating the role of ethylene in adventitious root formation in *Brassica napus* under hypoxic conditions Naoki Matsumoto[1], Nozomi Yokouchi[1], Hirokazu Takahashi[2], Mikio Nakazono[2], Kanna Izawa[1], Shin-ichi Nakamura[1], Akihisa Shinozawa[1] ([1]Dept. Bioscience, Tokyo Univ. Agric., [2]Grad. Sch. Bioagric. Sci., Univ. Nagoya)				11:15
2aE-11 Ⓔ Mutual inhibition between EPFL2 and auxin extends the intervals of periodic shoot morphogenesis Momoko Ikeuchi[1], Takeshi Tsuchida[1], Koichi Fujimoto[2], Toshiaki Tameshige[1,3] ([1]NAIST, [2]Hiroshima U., [3]KPU)	2aF-11 Analysis of GCS1 Intracellular Domain Deletion Mutants Ari Yoshimura[1], Tomoko Igawa[1,2,3] ([1]Grad. sch. Horticulture, Chiba Univ., [2]Plant Mol. Sci. Center, Chiba Univ., [3]Res. Center Space Agri. Hort., Grad. sch. Hort., Chiba Univ.)		2aH-11 Ⓔ Endosymbiotic dinoflagellate *Fugacium kawagutii* response to variable iron availability Munkhtsetseg Tsednee, Tung-Yuan Ho (Research Center for Environmental Changes, Academia Sinica)				11:30
2aE-12 Transcriptome analysis of differentially expressed genes during early adventitious shoot formation in ipecac Karin Okazaki[1,2], Katsushi Yamaguchi[3], Shuji Shigenobu[3], Keiko Sugimoto[1], Koichiro Shimomura[2], Mikihisa Umehara[2] ([1]CSRS, RIKEN, [2]Grad. School of Life Sci., Toyo Univ., [3]Trans-Omics Facility, NIBB)	2aF-12 Functional analysis of Arabidopsis LGM2 expressed in the egg cell Haruka Azuma[1], Toshiyuki Mori[2], Tomoko Igawa[1,3,4] ([1]Grad. Sch. Hort., Chiba Univ., [2]Dept. Hygiene, Tokyo Women's Med. Univ., [3]Plant Mol. Sci. Center, Chiba Univ., [4]Res. Center Space Agri. Hort., Grad. Sch. Hort., Chiba Univ.)		2aH-12 Functional Characterization of Metabolic Regulation of *Sulfur Deficiency-Induced* Genes in Soybean Aina Ieda, Shinichiro Komaki, Takayuki Tohge, Mutsumi Watanabe (Grad. Sch. of Sci. & Tech., NAIST)				11:45

Ⓔ=Presentation in English

● Day 2, Sat., March 14, PM (13:15–14:45)

Time	Room A	Room B	Room C	Room D
	Photosynthesis	Cell wall	Plant-organism interaction B	Organelles / Cytoskeleton / Endomembrane system
13:15	2pA-01 Development of a CRISPR interference system in a cyanobacterium, *Acaryochloris marina* Tohru Tsuchiya (Grad. Sch. Hum. Env. St., Kyoto Univ.)	2pB-01 E The essential role of xyloglucan in the formation and regulation of plasmodesmata in the moss *Physcomitrium patens* Phu Thanh Ngo[1], Marcel Pascal Beier[2,3,4], Chiyo Jinno[3,5], Tomomichi Fujita[3] ([1]Grad. Sch. Life Sci., Hokkaido Univ, [2]Inst. Advan. Hi Edu., Hokkaido Univ., [3]Fac. Sci., Hokkaido Univ, [4]Fukushima Inst. Res. Edu. Innov., [5]Bio Design Unit, OIST)	2pC-01 E Enhancing Soil Microbiome Resilience and Carbon Sequestration in Pomelo Orchards via Sod Culture and Biochar Amendments Chao-Li Huang[1,2], Chu-Chun Lin[2], Ying-Hsuan Huang[1] ([1]Institute of Tropical Plant Sciences and Microbiology, National Cheng Kung University, Taiwan, [2]Graduate Program in Translational Agricultural Sciences, National Cheng Kung University and Academia Sinica, Tainan, Taiwan)	2pD-01 Functional analysis of *psbE* RNA editing using chloroplast base-editing system in *Arabidopsis thaliana* Mitsuhiro Matsuo[1], Yuuki Kakimi[1], Yuuta Kondo[1], Junichi Obokata[1], Soichirou Satoh[2], Issei Nakazato[3], Shin-ichi Arimura[3] ([1]Fac. Agric., Setsunan Univ., [2]Grad. Sch. Life Environ. Sci., Kyoto Prefect. Univ., [3]Grad. Sch. Agric. Life Sci., Univ. Tokyo)
13:30	2pA-02 Predation-mediated adaptation of Photosynthesis in the Predatory Alga *Poterioochromonas malhamensis* Haruhiko Jimbo[1], Tomoki Minemura[1], Narumi Toda[2], Yuko Takizawa[3], Yoshito Chikaraishi[3], Ryuichi Hirota[2], Yoshitaka Nishiyama[1] ([1]Grad. Sch. Sci. Eng., Saitama Uni., [2]Grad. Sch. Integ. Sci. Life, Hiroshima Uni., [3]Inst. Low-temp., Hokkaido Univ.)	2pB-02 Functional analysis of β-1,4-glucanases involved in plant grafting Kentaro Okada[1], Yaichi Kawakatsu[2], Ken-ichi Kurotani[3], Toshihisa Kotake[4], Michitaka Notaguchi[1,2,3] ([1]Biosci. and Biotech. Center, Nagoya Univ., [2]College of Horticulture and Forestry, Huazhong Agricultural Univ., [3]Grad. Sch. Sci., Kyoto Univ., [4]Grad. Sch. Sci. Eng., Saitama Univ.)	2pC-02 E Grapevine phyllosphere pan-metagenomics reveals pan-microbiome structure, diversity, and functional roles in downy mildew resistance Jingyun Jin[1], Xiangfeng Wang[1], Xuenan Zhang[1], Junjie Mei[1], Wei Zheng[1], Linling Guo[1], Haisheng Sun[1], Lili Zhang[1], Chonghuai Liu[2], Wenxiu Ye[1], Li Guo[1] ([1]Peking University Institute of Advanced Agricultural Sciences, [2]Zhengzhou Fruit Research Institute, Chinese Academy of Agricultural Sciences)	2pD-02 E PpARC6s Mediate FtsZ-ring Remodeling At The Division Site In *Physcomitrium patens* Thi Huong Do[1,2], Marcel Pascal Beier[3], Hiroyoshi Takano[4], Tomomichi Fujita[1] ([1]Hokkaido University, [2]Fukushima University, [3]Soil and Plant Multi-Dynamics Research Unit, Fukushima Institute for Research, Education and Innovation, [4]Kumamoto University)
13:45	2pA-03 Function of a Putative Partner-Switching phosphatase Slr2031 in *Synechocystis* sp. PCC 6803 Keito Tanji, Haruna Kakuta, Yukako Hihara (Grad. Sch. Sci. Eng., Saitama Univ.)	2pB-03 E Xyloglucan endotransglucosylase/hydrolase family genes enhance plant grafting through callus proliferation Mu Xiong[1,2], Ting Zhang[1], Xin Qian[1], Akebaierjiang Kadeer[1], Ken-ichi Kurotani[2,3], Zhilong Bie[1], Ling Li[1], Changjin Liu[1], Xiangshuai Wu[1], Michitaka Notaguchi[1,2,3,4], Yuan Huang[1] ([1]Grad. Sch. Hort. For., Univ. Huazhong Agri., [2]Grad. Sch. Bioagri. Sci., Univ. Nagoya, [3]Biosci. Biotech. Center., Univ. Nagoya, [4]Grad. Sch. Sci., Univ. Kyoto)	2pC-03 E A fungal nitrate-assimilation regulator CtAREA is involved in host protection conferred by plant endophyte *Colletotrichum tofieldiae* Akito Shiina, Kei Hiruma (Grad. Sch. Arts and Sci., Univ. Tokyo)	2pD-03 Excision of 641kb NUMT (Nuclear Mitochondrial DNA) in *Arabidopsis thaliana* chromosome 2 Rika Nakajima[1], Yugo Ito[1], Yuyang Zhong[1], Takayoshi Ishii[2,3], Shin-ichi Arimura[1] ([1]Grad. Sch. Agri. and Life. Sci., Univ of Tokyo, [2]Arid Land Research Center (ALRC), Tottori University, [3]International Platform for Dryland Research and Education (IPDRE), Tottori University)
14:00	2pA-04 Identification of a factor involved in the redox regulation of DNA-binding activity of the transcription factor RpaB Kousuke Kawarasaki[1], Hidaka Mihata[2], Kintake Sonoike[2], Yukako Hihara[1] ([1]Grad. Sch. Sci. Eng., Saitama Univ., [2]Fac. Edu. Integ. Arts Sci., Waseda Univ.)	2pB-04 E Chemical screening identified GPM1 as a novel compound enhancing graft adhesion in Fabaceae Qianqian Luo[1], Xueyao Shu[1], Ayato Sato[2,3], Yaichi Kawakatsu[4], Frank Opoku-Agyemang[1], Ken-ichi Kurotani[4,5], Michitaka Notaguchi[1,2,4,6,7] ([1]Grad. Sch. Bioagri. Sci., Univ. Nagoya, [2]Inst ITbM., Univ. Nagoya, [3]COMIT, Univ. Nagoya, [4]BB Center, Univ. Nagoya, [5]CSACRA, Univ. Kyoto, [6]Dept. Botany, Grad. Sch. Sci., Univ. Kyoto, [7]NKL for Germplasm Innovation, HZAU)	2pC-04 Immune receptor and symbiosis signaling drive iron-dependent beneficial bacterial interactions in rice Kanako Inoue[1], Masako Fuji[1], Masanao Sato[2], Jewish Dominguez John[1], Yutaka Sato[3], Masahiro Nagayasu[1], Yuki Fukumoto[1], Takumi Murakami[4,5], Takanori Kobayashi[6], Kiwamu Minamisawa[7], Junko Kyozuka[7], Yusuke Saijo[1] ([1]Div. Biol. Sci., Grad. Sch. Sci. & Technol., Nara Inst. Sci. & Technol. (NAIST), [2]Lab. Appl. Mol. Entomol., Div. Appl. Biosci., Res. Fac. Agric., Hokkaido Univ., [3]Dept. Genomics & Evol. Biol., Natl. Inst. Genet., [4]Sch. Life Sci. & Technol., Inst. Sci., Tokyo, [5]Dept. Informatics, Natl. Inst. Genet., [6]Res. Inst. Biores. & Biotechnol., Ishikawa Prefect. Univ., [7]Grad. Sch. Life Sci., Tohoku Univ.)	2pD-04 Re-evaluation of the Mitochondrial Fission Mechanism in *Arabidopsis thaliana* via Morphological Analysis of Mitochondrial Fission Mutants Masaru Hashimoto, Yugo Ito, Issei Nakazato, Hideki Takanashi, Shin-ichi Arimura (Graduate School of Agricultural and Life Sciences, The University of Tokyo.)

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Development / Morphogenesis	Reproduction	Plant hormones / Signaling molecules	Environmental response B / Environmental stresses				
2pE-01 WOX13 suppresses pluripotency acquisition of callus and development of lateral roots Eri Odaira, Momoko Ikeuchi (NAIST)	2pF-01 Ⓔ *EMU* genes are conserved regulators of egg maturation in two bryophyte lineages Tetsuya Hisanaga[1], Yen-Ting Lu[1,2], Yihui Cui[1], Fumiaki Tejima[1], Emiko Yoro[3,4], Tatsuaki Goh[1], Keiko Sakakibara[3], Keiji Nakajima[1] ([1]Grad. Sch. Sci. Tech., NAIST, [2]Grad. Sch. Arts and Sci., Univ. Tokyo, [3]Dept. Life Sci., Rikkyo Univ., [4]Grad. Sch. Sci., Univ. of Osaka)	2pG-01 Impact of Structural Diversity in Novel Cytokinin-like Substances on Their Modes of Action Mika Yoshino[1], Kazuki Miyata[1], Surjana Alicia[1], Mikiko Kojima[2], Kensuke Kouki[1], Toshio Nishikawa[1], Hitoshi Sakakibara[1,2] ([1]Grad. Sch. Bio. Sci., Nagoya Univ., [2]RIKEN CSRS)	2pH-01 Overexpressing an activated form of potassium transporter AtHAK5 enhance low potassium and salinity tolerance in transgenic Arabidopsis Yuichi Tada, Kohei Watanabe, Yuki Watanabe, Megumi Itakura, Hiromi Suzuki (Sch. Biosci. Biotechnol., Tokyo Univ. Technol.)				13:15
2pE-02 Molecular genetic analysis of shoot regeneration focusing on the SWI2/SNF2 family member BTAF1 Yukino Ogihara-Yoshida[1], Hatsune Morinaka[2], Akihito Mamiya[3], Kuninori Iwamoto[1], Kyoko Ohashi-Ito[1], Akira Iwase[2], Keiko Sugimoto[2], Ryuu Morikawa[1], Takaaki Yonekura[1], Munetaka Sugiyama[1] ([1]Grad. Sch. Sci., Univ. Tokyo, [2]CSRS, RIKEN, [3]Grad. Sch. Sci., Kyoto Univ.)	2pF-02 BONOBO Induces The Cellular Reprogramming Gene, *LAXR*, During Germline Differentiation in the Liverwort *Marchantia polymorpha* Takeru Kumagai[1], Yoshihiro Yoshitake[1], Tomoaki Kajiwara[1], Megumi Iwano[1], Shogo Kawamura[1], Yukiko Yasui[1], Shohei Yamaoka[1], Ryuichi Nishihama[2], Takayuki Kohchi[1] ([1]Grad. Sch. Biostudies., Kyoto Univ., [2]Dept. Appl. Biol. Sci., Fac. Sci. Tech., Tokyo Univ. Sci.)	2pG-02 The role and products of FAS1 in leafy gall forming phytopathogens Kazuki Miyata[1], Mika Yoshino[1], Alicia Surjana[1], Mikiko Kojima[2], Kensuke Kouki[1], Toshio Nishikawa[1], Hitoshi Sakakibara[1,2] ([1]Grad. Sch. Bio. Sci., Nagoya Univ., [2]RIKEN CSRS)	2pH-02 A Universal Stress Response Enhances Plant Resilience Across Diverse Environments Hiroshi Mori[1], Mika Nomoto[1,2,3], Emi Okada[1], Fumika Okamoto[1], Wakako Inoue[2], Takakazu Matsuura[4], Yutaka Kodama[5], Shintaro Ichikawa[5], Kazuha Mori[1], Tomoko Suzuki[2,6,7], Takuya T. Nagae[7], Yu Saito[1], Sumire Fujiwara[8], Hiroki Tsutsui[9], Hiroshi Takagi[2,10,11], Takaya Ogawa[12], Akiko Maruyama-Nakashita[13], Tetsuya Higashiyama[14,15], Kiminori Toyooka[7], Nobutaka Mitsuda[8], Hirofumi Yoshioka[12], Izumi C. Mori[4], Yoshiharu Y. Yamamoto[16], Yasuomi Tada[1,2] ([1]Grad. Sch. Sci., Nagoya Univ., [2]Centr. Gene Res., Nagoya Univ., [3]JST, PRESTO, [4]Inst. Plant Sci. Resour. (IPSR), Okayama Univ., [5]Grad. Sch. Reg. Dev. Creat., Utsunomiya Univ., [6]Fac. Sci., Japan Women's Univ., [7]RIKEN CSRS, [8]Bioprod. Res. Inst., Natl. Inst. Adv. Ind. Sci. Technol. (AIST), [9]Okinawa Inst. Sci. Technol. Grad. Univ. (OIST), [10]Biosci. Biotechnol. Ctr., Nagoya Univ., [11]Inst. Adv. Res. (IAR), Nagoya Univ., [12]Grad. Sch. Bioagric. Sci., Nagoya Univ., [13]Fac. Agric., Kyushu Univ., [14]Inst. Transformative Bio-Molecules (WPI-ITbM), Nagoya Univ., [15]Dept. Biol. Sci., Grad. Sch. Sci., Univ. Tokyo, [16]Fac. Appl. Biol. Sci., Gifu Univ.)				13:30
2pE-03 Tracing the trajectories of cell fate reprogramming of mature somatic cells during shoot regeneration Hatsune Morinaka[1], Kotaro Torii[1], Dongbo Shi[1], Ayako Kawamura[1], Akira Iwase[1], Tetsuya Higashiyama[2], Munetaka Sugiyama[2], Keiko Sugimoto[1,2] ([1]CSRS, RIKEN, [2]Dept. Biol. Sci., Grad. Sch. Sci., Univ. Tokyo)	2pF-03 The search for target genes of the bHLH heterodimer BONOBO-LRL/DROP involved in generative cell differentiation during pollen development in Arabidopsis Nako Watanabe[1], Yuki Tomita[1], Takuya Miyakawa[1], Keisuke Inoue[1], Yoshihiro Yoshitake[1], Kazuo Ebine[2], Takeshi Nakano[1], Takayuki Kohchi[1], Takashi Araki[1], Shohei Yamaoka[1] ([1]Grad. Sch. Biostudies, Kyoto Univ., [2]Grad. Sch. Sci. Eng., Saitama Univ.)	2pG-03 Ⓔ Unravel the physiological role of cZ-type cytokinin during nitrogen deficiency stress Fanny Bellegarde[1,2], Graziella Valencia Cong[1], Miki Shibutani[1], Hitoshi Sakakibara[1,3] ([1]Graduate school of Bioagricultural Sciences, Nagoya University, [2]Institute for Advenced Research, Nagoya University, [3]RIKEN, CSRS)	2pH-03 Effects of Anesthetics on Plant Hormone and Ca^{2+} Signaling in Plant Wound Response Moca Iwabuchi[1], Sakuya Hirayama[1], Kyomi Shibata[2], Emi Yumoto[3], Koji Miyamoto[1,2,3], Ken Yokawa[4], Takuma Hagihara[5], Masatsugu Toyota[5,6,7], Masashi Asahina[1,2,3] ([1]Grad. Sch. Sci.& Eng, Teikyo Univ., [2]Env. & Biotech. Course, Dept. Integ. Sci. & Eng , Teikyo Univ., [3]Adv. Instrum. Anal. Ctr, Teikyo Univ., [4]Dept. Eng., Kitami Tech Univ., [5]Grad. Sch. Sci. Eng., Saitama Univ., [6]SunRiSE, Suntory Fdn. LifeSci., [7]Coll. Plant Sci. Technol., Huazhong Agric. Univ.)				13:45
2pE-04 Plant Pluripotency: BRAHMA-Mediated Epigenetic Priming via H3K27me3 Removal Sachihiro Matsunaga[1], Ayaka Horie[1], Hikaru Sato[1], Mariana Diaz[3], Takuya Sakamoto[2] ([1]Dept. Integrated Biosci., Grad. Sch. Frontier Sci., Univ. Tokyo, [2]Department of Science, Faculty of Science, Kanagawa University, [3]Department of Plant and Microbial Biology (IPMB), University of Zurich)	2pF-04 Study of the asymmetric zygotic division in the *Marchantia polymorpha* to understand the evolution of body axis formation Yusuke Kimata[1], Akane Fujimori[1], Yue Wang[1], Yosuke Okamura[2], Minako Ueda[1] ([1]Grad. Sch. Life Sci., Tohoku Univ., [2]Grad. Sch. Eng., Tokai Univ.)	2pG-04 Cytokinin signaling is involved in acclimation responses to mildly elevated temperatures in *Marchantia polymorpha* Shiori S. Aki[1], Ryuichi Nishihama[2], Takayuki Kohchi[3] ([1]Biological and Life Sciences, Faculty of Science and Engineering, Yamato University, [2]Department of Applied Biological Science, Faculty of Science and Technology, Tokyo University of Science, [3]Graduate School of Biostudies, Kyoto University)	2pH-04 Ⓔ Unveiling Peculiar Alteration of Iron-Cadmium Transport and Accumulation in Rice under Allelopathic L-DOPA Stress Moh Hari Rusli[1,2], Louis Grillet[1,2] ([1]Master Program in Global Agriculture Technology and Genomic Science, International College, National Taiwan University, [2]Department of Agricultural Chemistry, College of Bioresources and Agriculture, National Taiwan University.)				14:00

Ⓔ=Presentation in English

● Day 2, Sat., March 14, PM (13:15–14:45)

Time	Room A	Room B	Room C	Room D
	Photosynthesis	Cell wall	Plant-organism interaction B	Organelles / Cytoskeleton / Endomembrane system
14:15	2pA-05 E A Light-Responsive Partner-Switching System Regulating PSI Genes Expression in the Cyanobacterium *Synechococcus elongatus* PCC 7942 Xuan Huang[1,2], Hitomi Imamitsu[1,2], Kan Tanaka[2] ([1]LST, Science Tokyo, [2]CLS, IIR, Science Tokyo)		2pC-05 E A new bacterial model for mutualism and sustainable agriculture reveals distinct yet synergistic roles of immunity and symbiosis signaling in rice Yusuke Saijo, Kanako Inoue, John Jewish A. Dominguez, Sumire Kirita, Masahiro Nagayasu, Mari Okuda, Fumiaki Inoue (Biol. Sci., Nara Institute of Science and Technology)	2pD-05 Poly(A) status of mitochondrial mRNA regulates cellular function in plants Takashi Hirayama[1], Haruko Kaita[1], June-Sik Kim[1,2], Munetaka Sugiyama[3], Keiichi Mochida[2,4,5], Akihito Mamiya[6] ([1]IPSR, Okayama Univ., [2]CSRS, RIKEN, [3]Grad. Sch. Sci., Tokyo Univ., [4]KIBR, YCU, [5]SIDS, Nagasaki Univ., [6]Grad. Sch. Sci., Kyoto Univ.)
14:30	2pA-06 Involvement of RpaA on high light stress response in *S. elongatus* PCC7942 Kotone Saito[1], Hideo Iwasaki[2], Kan Tanaka[3], Mitsumasa Hanaoka[1,4,5] ([1]Grad. Sch. Horticul., Chiba Univ., [2]Sch. Adv. Sci. Eng., Waseda Univ., [3]Lab. Chem. Life Sci., Tokyo Inst. Tech, [4]Plant Mol. Sci. Cent., Chiba Univ., [5]Res. Cent. Space Agr. Hort., Chiba Univ.)		2pC-06 E Bacterial perception of root-derived signals mediates mutualistic associations in rice Zi Tong Heng[1], Kanako Inoue[1], John Jewish A. Dominguez[1], Masahiro Nagayasu[1], Min Fey Chek[1], Taito Matsuda[1], Shunsuke Tomita[3], Kiyoshi Mashiguchi[2], Shinjiro Yamaguchi[2], Yusuke Saijo[1] ([1]Division of Biological Science, Nara Institute of Science and Technology, [2]Institute for Chemical Research, Kyoto University, [3]Health and Medical Research Institute, National Institute of Advanced Industrial Science and Technology)	2pD-06 Analysis of PI3P-reduced mutant reveals phosphoinositide roles on autophagy and membrane trafficking in plant development Shino Goto-Yamada[1,2], Andisheh Poormassalehgoo[3], Elżbieta Kaniecka[3], Xavier Zarza[4], Kazusato Oikawa[2,5], Teun Munnik[4], Kenji Yamada[3], Shoji Mano[1,2] ([1]Lab. Organelle Reg., Natl. Inst. Basic Sci., [2]Dept. Basic Biol., Graduate Univ. Advanced Studies, [3]MCB, Jagiellonian Univ., [4]SILS, Univ. Amsterdam, [5]Dept. Cell Biol., Natl. Inst. Basic Biol.)

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Development / Morphogenesis	Reproduction	Plant hormones / Signaling molecules	Environmental response B / Environmental stresses				
2pE-05 The DREAM complex selectively regulates three distinct cell-cycle gene sets via the DNA-binding factors E2F, MYB3R, and TCX Hidekazu Iwakawa[1], Yuji Nomoto[1], Keito Mineta[1], Takamasa Suzuki[2], Masaki Ito[1] ([1]Grad. Sch. Nat. Sci. Technol., Kanazawa Univ., [2]Col. Biosci. Biotech., Chubu Univ.)	2pF-05 Discovery of a new plant tissue collaborating with antipodal cells and its function Kentaro Okada[1], Miki Matsumoto[1], Michitaka Notaguchi[1,2], Ryushiro Kasahara[1] ([1]BBC, Nagoya Univ., [2]Grad. Sch. Sci., Kyoto Univ.)	2pG-05 Ⓔ KL-signaling promotes light-dependent cell division in the Streptophyte algae *Closterium peracerosum-strigosum-littorale* Hsiang-ting Lee[1], Tomoaki Nishiyama[2,3], Junko Kawai[4], Keiko Sakakibara[4], Kotaro Nishiyama[5], Suzuki Taiki[5], Yusuke Kato[5], Yoshiya Seto[5], Junko Kyozuka[1] ([1]Graduate School of Life Science, Tohoku University, [2]School of Science, Academic Assembly, University of Toyama, [3]Research Center for Experimental Modeling of Human Disease, Kanazawa University, [4]College of Science, Rikkyo University, [5]Graduate School of Agriculture, Meiji University)	2pH-05 A nuclear CobW/WW-domain factor represses the CO_2-concentrating mechanism in the green alga *Chlamydomonas reinhardtii* Daisuke Shimamura[1,2], Junko Yasuda[1], Yosuke Yamahara[1], Hirofumi Nakano[1], Shin-Ichiro Ozawa[3,4], Ryutaro Tokutsu[5,6], Ayumi Yamagami[1], Tomonao Matsushita[5], Yuichiro Takahashi[4], Takeshi Nakano[1], Hideya Fukuzawa[1,7], Takashi Yamano[1,8] ([1]Grad. Sch. Biostudies, Kyoto Univ., [2]RIKEN, CSRS, [3]IPSR, Okayama Univ., [4]RIIS, Okayama Univ., [5]Grad. Sch. Sci., Kyoto Univ., [6]Sch. Vet. Med., Kitasato Univ., [7]Center for Higher Educational Development, Kyoto Women's Univ., [8]CeLiSIS, Kyoto Univ.)				14:15
2pE-06 Potential Coordinated Regulation of Cell Cycle Genes by the DREAM Complex and FLP Keito Mineta[1], Hidekazu Iwakawa[2], Moussa Benhamed[3], Masaki Ito[2] ([1]Grad. Sch. Nat. Sci. Tech., Kanazawa Univ., [2]Sch. Bio. Sci. Tech., Kanazawa Univ., [3]Université Paris-Saclay)	2pF-06 Morphology of Ohatsuki *Ginkgo biloba* trees in Tsukude, Shinshiro, Aichi, Japan Tomoka Fujii[1], Ryoma Furuhashi[1], HongQiao Lu[1], Hirofumi Yamashita[2], Masami Kobayashi[3], Yoshie Uchida[1,4], Hakuto Kageyama[4], Kazuhito Inoue[5,6], Hidenobu Uchida[1,6] ([1]Dept. Food Business, Nagoya Bunri Univ., [2]Dept. Inf. Env. Sci., Kyoto Pref. Univ., [3]Dept. Mat. Sci., Univ. Tsukuba, [4]Grad. Sch. Environ. Hum. Sci., Meijo Univ., [5]Dept. Biochem. Biotechno., Kanagawa Univ., [6]Res. Inst. Integ. Sci., Kanagawa Univ.)	2pG-06 *In Vitro* Evaluation and Application of Interactions Between the KAI2 Ligand-Signaling Components Keita Tanaka[1,2], Jiawang Wu[1,2], Yutaro Harada[3], Taiki Suzuki[3], Yujiao Yan[1,2], Yoshiya Seto[3], Hiromu Kameoka[1,2] ([1]CAS CEMPS, [2]CAS-JIC CEPAMS, [3]Agric., Meiji Univ.)	2pH-06 Mechanistic analysis of cold plasma-induced promotion of rice seed germination Taiyo Nagamatsu[1], Takamasa Okumura[2], Shota Sasaki[3], Weichen Zeng[4], Eri Kamon[1], Takeshi Ishimizu[1,8], Toshihisa Kotake[5], Mami Nomura[6], Tadashi Kunieda[7], Ryo Ono[4], Toshiro Kaneko[3], Kazunori Koga[2], Kazuya Ishikawa[8] ([1]College of Life Sciences, Ritsumeikan University, [2]Faculty of Information Science and Electrical Engineering, Kyushu University, [3]Graduate School of Engineering, Tohoku University, [4]Graduate School of Frontier Sciences, The University of Tokyo, [5]Graduate School of Science & Engineering, Saitama University, [6]Faculty of Science, Yamagata University, [7]Division of Biological Science, Div. of Biol. Sci., NAIST, [8]R-GIRO, Ritsumeikan University)				14:30

Ⓔ=Presentation in English

● Day 3, Sun., March 15, AM (9:00–11:00)

Time	Room A	Room B	Room C	Room D
	Systems biology	Biomembrane / Ion and solute transport	Plant-organism interaction B	Organelles / Cytoskeleton / Endomembrane system
09:00	3aA-01 Interspecific genomic differences of arbuscular mycorrhizal fungi and periodic patterns observed in axenically produced spores Yuuki Kobayashi[1], Taro Maeda[2], Sachiko Tanaka[3], Tatsuhiro Ezawa[4], Katsushi Yamaguchi[5], Takahiro Bino[6], Yuki Nishimoto[7], Shuji Shigenobu[5], Masayoshi Kawaguchi[3] ([1]Tokyo NODAI Resarch Inst., Tokyo Univ. of Agr., [2]Grad. Sch. Media and Govern., Keio Univ., [3]Div. Symbiotic Systems, NIBB, [4]Grad. Sch. Agr., Hokkaido Univ., [5]Trans-scale Biol. Cen., NIBB, [6]Div. Photophysical Biol., NIBB, [7]Div. Chromatin Regulation, NIBB)	3aB-01 Molecular Dissection of Action Potential-Mediated Rapid Long-Distance Signal Propagation in the non-vascular liverwort *Marchantia polymorpha* Kazuyuki Kuchitsu[1], Yu Iwamoto[1], Kenshiro Watanabe[1], Kyoka Hashinishi[1], Mateusz Koselski[2], Renata Welc-Stanowska[2], Piotr Wasko[2], Kazimierz Trębacz[2] ([1]Dept. Appl. Biol. Sci., Tokyo Univ. of Science, [2]Maria Curie-Sklodowska Univ., Poland)	3aC-01 Enhancing the nodule occupancy rate of N_2O-reducing rhizobia by utilizing symbiotic incompatibility Hanna Nishida[1], Manabu Itakura[2], Khin Thuzar Win[1], Feng Li[3], Kaori Kakizaki[2], Atsuo Suzuki[2], Satoshi Ohkubo[2], Luong Van Duc[2], Masayuki Sugawara[4], Koji Takahashi[3], Matthew Shenton[3], Sachiko Masuda[5], Arisa Shibata[5], Ken Shirasu[5], Yukiko Fujisawa[1], Misa Tsubokura[6], Hiroko Akiyama[6], Yoshikazu Shimoda[1], Kiwamu Minamisawa[2], Haruko Imaizumi-Anraku[1] ([1]NARO NIAS, [2]Grad. Sch. of Life Sci. Tohoku Univ., [3]NARO NICS, [4]Life and Food Sci. Obihiro Univ., [5]RIKEN CSRS, [6]NARO NIAES)	3aD-01 Nuclear Actin Filaments in Plants Tomoko Matsumoto[1], Atsuya Osaki[1], Takumi Higaki[2], Noriko Inada[1] ([1]Osaka Metropolitan University, Graduate School of Agriculture, [2]Kumamoto University, Graduate School of Advanced Science and Technology)
09:15	3aA-02 Establishment of a platform for analyzing vascular differentiation dynamics combining time-course transcriptomics and cell-type deconvolution Yuki Nishimura[1], Makoto Kashima[2], Shunji Shimadzu[1,3], Tasuku Ito[1], Yuki Kondo[1] ([1]Grad. Sch. Sci., Univ. Osaka, [2]Fac. Sci., Univ Toho, [3]VIB, Ghent Univ)	3aB-02 A Vascular Calcium Sensor Protein Controls Stomata Movement By Alteration Of Apoplastic Ion Concentration Shunya Saito[1], Takeshi Uchiyama[1], Kosuke Takebayashi[1], Misako Miwa[2], Sho Toyama[2], Hirotaka Sugiura[3], Wataru Kada[2], Shigeo Matsuyama[2], Fumihito Arai[3], Jörg Kudla[4], Masaru Tsujii[1], Yasuhiro Ishimaru[1], Nobuyuki Uozumi[1] ([1]Department of Biomolecular Engineering, Graduate School of Engineering, Tohoku University, Aobayama 6-6-07, Sendai 980-8579, Japan, [2]Department of Material Science, Graduate School of Engineering, Tohoku University, Aobayama 6-6-07, Sendai 980-8579, Japan, [3]Department of Mechanical Engineering, Graduate School of Engineering, The University of Tokyo, Hongo 7-3-1, Bunkyo-ku, Tokyo 113-8656, Japan, [4]Institut für Biologie und Biotechnologie der Pflanzen (IBBP), Universität Münster, Schlossplatz 7, 48149 Münster, Germany)	3aC-02 Analysis of shoot growth *Lotus japonicus* AON-deficient mutant inoculated with AM fungi Momoe Fukase[1], Kensuke Kawade[2] ([1]Fac. Sci., Univ. Saitama, [2]Grad. Sch. Sci., Univ. Saitama)	3aD-02 Heterologous expression of high-speed chimeric myosin XI in tomato promotes cytoplasmic streaming and plant growth Jun Obara[1], Takeshi Haraguchi[2], Kohji Ito[2], Satoko Nonaka[3,4], Motoki Tominaga[1,5] ([1]Grad. Sch. Adv. Sci. Eng., Waseda Univ., [2]Grad. Sch. Sci. Bio., Chiba Univ., [3]T-PIRC, Tsukuba Univ., [4]Ins. Life & Environmtl Sci., Tsukuba Univ., [5]Fac. Educ. Integrated Arts. Sci. Bio., Waseda Univ.)
09:30	3aA-03 Development of transcriptomic biomarkers to independently estimate SA and JA response states and Application to plants under natural herbivore communities Atsuki Tomita[1,2], Taro Maeda[1], Natsumi Moriyama (Mori)[3], Yasuyuki Nomura[3], Yuko Kurita[4], Makoto Kashima[5], Shigeyuki Betsuyaku[6], Yasuhiro Sato[7], Atsushi J. Nagano[1,8] ([1]IAB, Keio Univ., [2]Grad. Sch. of Media & Governance, Keio Univ., [3]Res. Inst. Food Agr., [4]Fac. Agr., Tokyo Univ., [5]Fac. of Sci., Toho University, [6]Fac. Agr., Ryukoku Univ, [7]Grad. Sch. of Env. Sci., Hokkaido Univ., [8]Bioscience & Biotechnology Center, Nagoya University)	3aB-03 Characterization of the kinase inhibitor AG126 and its derivatives for analyzing PM H^+-ATPase phosphorylation in guard cells Shogo Kuwayama[1], Koji Takahashi[1], Maki Hayashi[2], Yuki Hayashi[1], Kohei Fukatsu[1], Yusuke Aihara[3], Shinya Sato[4], Keiko Kano[4], Emi Mishiro-Sato[4], Ayato Sato[4], Toshinori Kinoshita[1,4] ([1]Grad. Sch. Sci., Nagoya Univ., [2]Grad. Sch. Life Sci., Tohoku Univ., [3]Grad. Sch. Sci., Kobe Univ., [4]ITbM , Nagoya Univ.)	3aC-03 Carbon dynamics of AON-defective *Lotus japonicus* mutants infected with arbuscular mycorrhizal fungi Manaka Osawa[1], Kensuke Kawade[2] ([1]Fac. Sci., Univ. Saitama, [2]Grad. Sch. Sci., Univ. Saitama)	3aD-03 Actin-myosin interactions contribute to the uniformity of xylem cell wall structure through cytoplasmic streaming Saku Kijima[1], Haruko Ueda[2], Nobutaka Mitsuda[1], Yoshihisa Oda[3] ([1]AIST, Biomanufact. Process Res. Cent., [2]Konan Univ, Fac. Sci. Eng., [3]Nagoya Univ, Grad Sci)
09:45	3aA-04 Construction of a Robust Gene Expression Prediction Model Using Deep Learning with Large-Scale Field Transcriptome Data Dan Eiju[1,2], Soutarou Honda[3], Satoshi Ohkubo[4], Shunsuke Adachi[5], Koji Iwayama[6], Atsushi J. Nagano[1,7] ([1]Inst. Adv. Biosci., Keio Univ., [2]Grad. Sch. Media & Governance, Keio Univ., [3]Fac. Agriculture, TUAT, [4]Grad. Sch. Life Sci., Tohoku Univ., [5]Sch. Global Innovation, TUAT, [6]Fac. Data Sci., Shiga Univ., [7]Res. Ctr. Biol. Func. Dev. & Util., Nagoya Univ.)	3aB-04 Humidity Response Mediated by a Potassium Transporter in Plants Taro Yamanashi[1], Takeshi Uchiyama[1], Tomoko Takagi[2], Shunya Saito[1], Misako Miwa[1], Sho Toyama[1], Shigeo Matsuyama[1], Takuya Yokokita[3], Hidetoshi Kikunaga[3], Misaki Shimizu[4], Yoshiro Saito[4], Takamasa Suzuki[5], Noriko Nagata[2], Mutsumi Yamagami[6], Yasuhiro Ishimaru[1], Nobuyuki Uozumi[1] ([1]Grad. Sch. Eng., Univ. Tohoku, [2]Chem. and Bio. Sci., Japan Women's Univ., [3]RARiS, Univ. Tohoku, [4]Grad. Sch. Pharma., Univ. Tohoku, [5]College of Bio-sci. and Bio-tech., Univ. Chubu, [6]Inst. for Envi. Sci.)	3aC-04 E Investigation of the role of *CRINKLE* during rhizobial infection in *Lotus japonicus* Akira Akamatsu[1], Aya Shimomura[1,2], Tsuneo Hakoyama[1], Shusei Sato[3], Masayoshi Kawaguchi[4], Makoto Hayashi[1] ([1]CSRS • RIKEN, [2]Fac. Agri., Saga Univ., [3]Grad. Sch. Life Sci., Tohoku Univ., [4]NIBB)	3aD-04 Analysis of a novel factor promoting the microtubule-endoplasmic reticulum interaction Midori Doi, Takema Sasaki, Yoshihisa Oda (Grad. Sch. Sci., Nagoya Univ.)

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Development / Morphogenesis	Photoreceptors / Photoresponses	Plant hormones / Signaling molecules	Environmental response B / Environmental stresses				
3aE-01 E Multi-trait phenotypic plasticity of root and its molecular regulatory mechanism in amphibious plant *Callitriche palustris* Tomo Sato, Hiroyuki Koga, Hirokazu Tsukaya (Grad. Sch. Sci., Univ. Tokyo)	3aF-01 Arabidopsis Root Hair Formation is Regulated by the Root's Light Response via SPA1 Haruki Ichikawa, Ken Yokawa (Kitami Inst. Tech.)	3aG-01 Regulation of senescence initiation through the GREK receptor-like kinase family and pectins Daisuke Funabashi[1], Asuka Higo[2], Naoyuki Uchida[1,2] ([1]Grad. Sch. Sci., Univ. Nagoya, [2]Center for Gene Research, Univ. Nagoya)	3aH-01 E Extreme Environmental Tolerance of *Physcomitrium patens* Spores in ISS Exposure: A First Step Toward Moss-Based Terraforming Changhyun Maeng[1], Yuji Hiwatashi[2], Keita Nakamura[3], Osamu Matsuda[4], Hajime Mita[5], Kaori Yokotani[6], Shin-ichi Yokobori[7], Akihiko Yamagishi[7], Atsushi Kume[8], Tomomichi Fujita[1] ([1]Faculty of Science, Hokkaido University, [2]School of Food Industrial Sciences, Miyagi University, [3]Graduate School of Food, Agricultural and Environmental Sciences, Miyagi University, [4]Faculty of Science, Kyushu University, [5]Department of Life, Environment, and Applied Chemistry, Fukuoka Institute of Technology, [6]Faculty of Life and Environmental Sciences, University of Tsukuba, [7]School of Life Sciences, Tokyo University of Pharmacy and Life Sciences, [8]Faculty of Agriculture, Kyushu University)	Symposium S10 ASPB-JSPP Joint Symposium—Plant resilience and plasticity powered by dynamic cellular responses (9:00–11:00)			09:00
3aE-02 The Role of Polar Auxin Transport in Cell Polarity Establishment in Lateral Root Founder Cells Sanae Kaneta, Tatsuo Kakimoto (Grad. Sch. Sci., Univ. Osaka)	3aF-02 Analysis of light-dependent binding and dissociation between the blue-light receptor LLP and VTC2 Yuka Igawa[1], Yusuke Tachikawa[1], Yuki Urano[1], Tomoyuki Furuya[2], Fumio Takahashi[3], Tatsuya Iwata[3], Mineo Iseki[3], Noriyuki Suetsugu[4], Takayuki Kohchi[5], Masahiro Kasahara[1] ([1]Grad. Sch. of Life Sci., Ritsumeikan Univ., [2]Grad. Sch. of Sci., Univ. Osaka, [3]Faculty Pharma. Sci., Toho Univ., [4]Grad. Sch. Arts, Sci., Univ. Tokyo, [5]Grad. Sch. Biostudies, Kyoto Univ.)	3aG-02 Chemical genetics reveals ROS-triggered inter-organ communication for hypocotyl growth in *Arabidopsis thaliana* Yasuki Kawabata[1,2], Mizuki Murao[2], Asuka Higo[2], Naoyuki Uchida[2] ([1]Grad. Sch. Sci., Nagoya Univ., [2]Ctr. Gene Res., Nagoya Univ.)	3aH-02 Identification of a gene responsible for leaf-color variation in *Oxalis corniculata* Hideaki Iimura[1], Mitsuhiko Sato[1], Yuta Aoyagi[1], Yuya Fukano[2], Shinji Kikuchi[2], Kenta Shirasawa[1] ([1]Plant Genome Res., Kazusa DNA Res. Inst., [2]Grad. Sch. Hort., Univ. Chiba)				09:15
3aE-03 E Polymerization-mediated SRFR1 condensation in upper lateral root cap cells regulates root growth Jianbin Su, Walter Gassmann (University of Missouri)	3aF-03 Phototropin monitors actual temperature to regulate temperature-dependent chloroplast movement via *cis-trans* autophosphorylation mode switching Minoru Noguchi[1], Tatsushi Fukushima[1,2], Saki Wakasugi[1,2], Yutaka Kodama[1,2] ([1]Ctr. Biosci. Res. Educ., Utsunomiya Univ., [2]Grad. Sch. Reg. Dev. Creat., Utsunomiya Univ.)	3aG-03 Analysis of a compound that inhibits plant hypocotyl elongation in dark Ayami Nakagawa[1], Keiko Kuwata[1], Shuya Yamada[1], Yumiko Takebayashi[2], Tsuyoshi Hirota[1], Ayato Sato[1], Naoyuki Uchida[3], Hitoshi Sakakibara[2,4], Akie Shimotohno[1], Kenichiro Itami[1,2,5], Kei Murakami[6], Keiko Torii[1,7,8] ([1]ITbM, Nagoya Univ., [2]RIKEN CSRS, [3]Center for Gene Res., Nagoya Univ., [4]Grad. Sch. Agr. Nagoya Univ., [5]RIKEN PRI, [6]Sch. Sci., Kwansei Gakuin Univ., [7]Dep. of Mol. Biosci., Univ. Texas at Austin, [8]Howard Hughes Medical Institute)	3aH-03 Analysis of *s-heat tolerant* (*sheat*) mutants of *Arabidopsis thaliana* Asuka Ogawa[1], Mire Yanagihara[1], Goro Masuda[2], Izumi Yotsui[1], Yoichi Sakata[1], Teruaki Taji[1] ([1]Dept. of Biosci., Tokyo Univ. of Agri, [2]NODAI Genome Research Center)				09:30
3aE-04 Investigation of lateral root development regulation mediated by temporal circadian rhythms Sota Nomoto[1], Takumi Onakado[1], Kosuke Mase[1], Akari Maeda[2], Satomi Sakaoka[1], Takamasa Suzuki[3], Soichi Inagaki[4], Todd Michael[5], Norihito Nakamichi[2], Hironaka Tsukagoshi[1] ([1]Agr., Meijo Univ, [2]Grad. Sch. Sci., Nagoya Univ, [3]Col. Biosci. Biothech., Chubu Univ, [4]Dept. of Biol. Sci., Grad. Sch. of Sci., Tokyo Univ, [5]Salk Institute)	3aF-04 Functional characterization of JAC1, a regulator of chloroplast accumulation response Yuki Inoue[1], Hiroki Irieda[2], Noriyuki Suetsugu[1] ([1]Grad. Sch. of Arts & Sci., Univ. Tokyo, [2]Acad. Assembly, Inst. Agric., Shinshu Univ.)	3aG-04 Trajectory of the evolution of SL receptor in parasitic plant *Striga hermonthica* Mayu Deguchi[1], Jia Xin Yap[2], Yuichiro Tsuchiya[1,2] ([1]Grad. Sch. Sci., Nagoya Univ., [2]ITbM, Nagoya Univ.)	3aH-04 Identification of the causal gene for the *sensitive to long-term heat* (*sloh12*) mutant of Arabidopsis Haruto Kinoshita[1], Goro Masuda[2], Izumi Yotsui[1], Yoichi Sakata[1], Teruaki Taji[1] ([1]Dept. of Biosci., Tokyo Univ. of Agri, [2]NODAI Genome Research Center)				09:45

E=Presentation in English

● Day 3, Sun., March 15, AM (9:00–11:00)

Time	Room A	Room B	Room C	Room D
	Systems biology	Biomembrane / Ion and solute transport	Plant-organism interaction B	Organelles / Cytoskeleton / Endomembrane system
10:00	3aA-05 E ATTED-II v13: Expanded Species and PCA-Based Condition Summaries Daffa Aprilio[1], Dalia Khatun[1], Takeshi Obayashi[1,2] ([1]Grad. Sch. Info. Sci., Tohoku Univ., [2]WPI-AIMEC, Tohoku Univ.)	3aB-05 E Proline-2'-Deoxymugineic Acid, a synthetic phytosiderophore, facilitates the rapid recovery of poplar trees from iron deficiency during early growth May Sann Aung[1], Motofumi Suzuki[2], Kyoko Toyofuku[1], Atsushi Ogawa[1], Hiroshi Masuda[1] ([1]Akita Prefectural University, [2]Aichi Steel Corporation)	3aC-05 Commonalities during mycorrhizal symbiosis in land plants Akihiro Yamazaki[1], Hector Montero[1], Alexandra Dallaire[1,2], Akira Iwase[1], Ayako Kawamura[1], Arika Takebayashi[1], Keiko Sugimoto[1], Uta Paszkowski[1,3] ([1]CSRS, RIKEN, [2]Université Laval, [3]University of Cambridge)	3aD-05 Analysis of a novel ROP signaling branch regulating pit formation in xylem vessels Wataru Kobayashi, Takema Sasaki, Yoshihisa Oda (Nagoya University Graduated School of Science)
10:15	3aA-06 E Charaterization of prion-like domain-containing proteins in diverse phytoplankton groups Matthew Brown, Yusuke Matsuda (Department of Biosciences, Kwansei Gakuin University)	3aB-06 Genome editing of metal transporter genes, *OsVIT1* or *OsYSL9*, increased the iron concentration in polished grains of Akitakomachi rice Hiroshi Masuda[1], Katsumi Takahashi[1], Maho Arakawa[1], Takeo Takahashi[1], Takanori Kobayashi[2], Hiroki Rai[1], Takehiko Matsumoto[1], Takehiro Kamiya[3], May Sann Aung[1] ([1]Akita Pref. Univ., [2]Ishikawa Pref. Univ., [3]Grad. Sch. Agri. Life Sci. Univ. Tokyo)	3aC-06 Genes with dual functions in arbuscular mycorrhizal symbiosis and other processes Zijie Li[1,2], Kenji Fukushima[3], Hiromu Kameoka[1,2] ([1]CAS CEMPS, [2]CAS–JIC CEPAMS, [3]National Institute of Genetics)	3aD-06 Exploring the remodeling mechanisms of organelles, the cytoskeleton, and the endomembrane system in sieve elements Yuki Sugiyama[1,2], Yoshihisa Oda[2] ([1]IAR, Nagoya Univ., [2]Dept. Biol. Sci., Grad. Sch. Sci., Nagoya Univ.)
10:30	3aA-07 Enhancement of transcription factor activity by introducing mutations designed based on AI-supported predictions Kentaro Kobayashi[1], Kensuke Yodoya[2], Koji Nagata[1], Kazuko Yamaguchi-Shinozaki[1,3], Junya Mizoi[1] ([1]Grad. Sch. Agr. Life Sci., Univ. Tokyo, [2]KAGOME CO., LTD, [3]Inst. Agr. Life Sci., Tokyo Univ. Agr.)	3aB-07 OsIET1 is a node-localized efflux transporter required for iron distribution in rice Jing Che[1], Sheng Huang[2], Yuting Qu[1], Yuma Yoshioka[3], Chiyuri Tomita[3], Takaaki Miyaji[3], Zhenyang Liu[1], Renfang Shen[1], Naoki Yamaji[2], Jian Feng Ma[2] ([1]State Key Laboratory of Soil and Sustainable Agriculture, Institute of Soil Science, Chinese Academy of Sciences, Nanjing, [2]Institute of Plant Science and Resources, Okayama University, [3]Department of Genomics & Proteomics, Advanced Science Research Center, Okayama University)	3aC-07 Host Invasion by Parasitic Plants Supported by Dynamic Modulation of Cell Wall Properties Chiharu Ito[1], Tadashi Kunieda[1], Songkui Cui[2], Taku Demura[1], Satoko Yoshida[1] ([1]NAIST, [2]CAS, Kunming)	3aD-07 A novel function of CDKA in the regulation of light responses Sakuta Miyazaki[1], Natsumi Inoue[2], Masaki Ishikawa[3], Mitsuyasu Hasebe[3], Masami Sekine[4], Tomomichi Fujita[2] ([1]Grad Sch Life Sci, Hokkaido Univ., [2]Fac Sci, Hokkaido Univ., [3]Div Evol Biol., NIBB, [4]Fac Bior Envi Sci, Ishikawa Pref Univ.)
10:45	3aA-08 E Multi-Pipeline Iterations and Multi-Omics Resolve Annotation Stochasticity and Uncover Extensive Gene Repertoire in Angiosperms Chang-Hung Chen[1], Chia-Chang Lin[2], Meng-Ting Tsai[1,3], Shang-Che Kuo[4], Chia-Chen Chu[1,2], Yung-Chu Yang[1], Yi-Chen Wu[1], Jhong-He Yu[1], Pin-Chien Liou[1], Chen-Wei Hu[1,2], Jung-Chen Su[5], Ying-Hsuan Sun[6], Jo-Wei Allison Hsieh[7], Te-Lun Mai[2], Ying-Lan Chen[3,8], Ying-Chung Jimmy Lin[1,2,4] ([1]Institute of Plant Biology, College of Life Science, National Taiwan University, Taipei, Taiwan, [2]Department of Life Science, College of Life Science, National Taiwan University, Taipei , Taiwan, [3]Department of Biotechnology and Bioindustry Sciences, College of Bioscience and Biotechnology, National Cheng Kung University, [4]Genome and Systems Biology Degree Program, College of Life Science, Academia Sinica and National Taiwan University, Taipei, Taiwan, [5]Department of Pharmacy, College of Pharmaceutical Sciences, National Yang Ming Chiao Tung University, Taipei, Taiwan, [6]Department of Forestry, College of Agriculture and Natural Resources , National Chung Hsing University, Taichung , Taiwan, [7]Genome Center, University of California, Davis, Davis, CA, USA, [8]University Center of Bioscience and Biotechnology, National Cheng Kung University, Tainan, Taiwan)		3aC-08 E Identification of the Master Regulator Controlling Haustorium Development in the Hemiparasite *Phtheirospermum japonicum* Ninghui Zhao, Yanmei Li, Lei Xiang, Satoko Yoshida (Graduate School of Science and Technology, NAIST)	3aD-08 Visualization of depolymerizing microtubule ends in plant cells using animal-derived EML2-L Yukimi Kitashima[1], Haruka Ono[1], Naoki Minamino[2], Takashi Hotta[3], Takumi Higaki[1] ([1]Graduate School of Science and Technology, Kumamoto University, [2]Faculty of Science, Fukuoka University, [3]Comprehensive Cancer Center, University of New Mexico)

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
Development / Morphogenesis	Photoreceptors / Photoresponses	Plant hormones / Signaling molecules	Environmental response B / Environmental stresses				
3aE-05 RGF8 peptide is required for orientation switch during early stage of lateral root primordium development Mitsuki Noda[1], Sanae Kaneta[2], Tatsuo Kakimoto[2] ([1]Sch. Sci., Univ. Osaka, [2]Grad. Sch. Sci., Univ. Osaka)	3aF-05 The chloroplast photorelocation movement regulator KAC forms dark-induced condensates Takeshi Higa, Noriyuki Suetsugu (Grad. Sch. Arts and Sci., Univ. Tokyo)	3aG-05 E Exploring the natural variations in strigolactone perception among different *Striga hermonthica* ecotypes Wen Wei Loh[1], Jia Xin Yap[2], Kakeru Shioya[1], Yuichiro Tsuchiya[1,2] ([1]Grad. Sch. Sci., Nagoya Univ., [2]ITbM, Nagoya Univ.)	3aH-05 Identification of the causal gene in *sensitive to long term heat 2* (*sloh2*) mutant of Arabidopsis Haruomi Yoshino[1], Yusuke Murakoshi[1], Ryo Yamaguchi[1], Akito Hosoi[2], Goro Masuda[2], Takamasa Suzuki[3], Izumi Yotsui[1], Yoichi Sakata[1], Teruaki Taji[1] ([1]Dept. of Bioscience, Tokyo Univ. of Agriculture, [2]NODAI Genome Research Center, [3]Dept. of Biological Chemistry, College of Bioscience and Biotechnology, Chubu Univ.)	Symposium S10 ASPB-JSPP Joint Symposium—Plant resilience and plasticity powered by dynamic cellular responses (9:00–11:00)			10:00
3aE-06 Mechanism maintaining the patterned expression of Arabidopsis *BEARSKIN1/2* in the outer root cap layers Tatsuaki Goh[1], Makoto Yamamoto[1], Yuri Kataoka[1], Koki Ueno[1], Akinori Fujimoto[1], Nobutoshi Yamaguchi[1], Shunsuke Miyashima[1,2], Keiji Nakajima[1] ([1]Grad. Sch. Sci. Tech., NAIST, [2]Inst. Biores, Engr., Ishikawa Pref. Univ.)	3aF-06 Analysis of the mechanism regulating guard cell-specific expression of *BLUS1*, an essential factor for blue light-dependent stomatal opening Ayuri Yamaguchi[1], Mika Nomoto[2,3], Hassan Nadeem[4], Diwaker Shukla[4], Yasuomi Tada[2,3], Juntaro Negi[5], Makoto Shirakawa[6,7], Atsushi Takemiya[8] ([1]Fac. Sci., Yamaguchi Univ., [2]Grad. Sch. Sci., Nagoya Univ., [3]Cent. Gene Res., Nagoya Univ., [4]Dept. Bioeng. • UIUC, [5]Grad. Sch. Sci., Kyushu Univ., [6]Grad. Sch. Biol. Sci., NAIST, [7]Academia Sinica, [8]Grad. Sch. Sci. Tech. Innov., Yamaguchi Univ.)	3aG-06 Regulation of strigolactone biosynthesis by PHR transcription factors in *Marchantia paleacea* Akiyoshi Yoda[1], Kyoichi Kodama[1], Takahito Nomura[2], Junko Kyozuka[1] ([1]Grad. Sch. of Life Sci., Tohoku Univ., [2]Ctr. of Biosci. Res. and Edu., Utsunomiya Univ.)	3aH-06 Elucidating the mechanisms of long-term heat tolerance in *Arabidopsis* via functional analysis of the *sensitive to long-term heat7* (*sloh7*) mutant Ririka Nosuga[1], Akito Hosoi[2], Takamasa Suzuki[3], Izumi Yotsui[1], Yoichi Sakata[1], Teruaki Taji[1] ([1]Dept. of Biosci., Tokyo Univ. of Agri., [2]NODAI Genome Research Center, [3]Dept. of Biological Chemistry, College of Bioscience and Biotechnology, Chubu Univ.)				10:15
3aE-07 E Regulatory mechanisms underlying stem cell maintenance in the *Arabidopsis* root cap Paktraporn Mekloy[1,2], Akie Shimotohno[1], Ye Zhang[2], Masaaki Umeda[2] ([1]ITbM, Nagoya Univ., [2]Grad. Sch. Sci. Tech., NAIST)	3aF-07 Photosynthesis-dependent stomatal opening mediated by sugars as mesophyll messengers Eigo Ando[1], Yuki Hayashi[1], Toshinori Kinoshita[1,2] ([1]Dep. Biol. Sci., Div. Nat. Sci., Grad. Sch. Sci., Nagoya Univ., [2]WPI-ITbM, Nagoya Univ.)	3aG-07 Studies on the sequence elements responsible for the long-distance transport of mRNAs Takumi Iwata[1], Kentaro Okada[2], Shiori Nagahara[1], Ken-ichi Kurotani[1], Nobuyoshi Mochizuki[1], Michitaka Notaguchi[1,2] ([1]Grad. Sch. Sci., Kyoto Univ., [2]Biosci and Biotech Center, Nagoya Univ.)	3aH-07 Analysis for molecular functions of plant progesterone receptor candidates Yuka Kinugasa[1], Ayumi Yamagami[1], Rira Daibo[1], Ayaka Uebayashi[2,3], Setsuko Shimada[2], Mayumi Iino[2], Takahito Nomura[4], Masaaki Sakuta[3], Tadao Asami[5], Takao Yokota[6], Takeshi Nakano[1] ([1]Grad. Sch. Bio., Univ. Kyoto, [2]RIKEN, CSRS, [3]Grad. Sch. Humanities and Sci., Univ. Ochanomizu, [4]Ctr. Bio., Univ. Utsunomiya, [5]KIBR, Yokohama City Univ., [6]Dept. Bio., Univ. Teikyo)				10:30
3aE-08 Analysis of the effects of haploidization on growth in *Arabidopsis thaliana* Takafumi Miyashita[1], Suzuka Kikuchi[2], Munetaka Sugiyama[3], Akitoshi Iwamoto[1,4] ([1]Dept. Biol. Sci., Grad. Sch. Sci., Kanagawa Univ, [2]Grad. Sch. Sci. and Technol. for Inov., Yamaguchi Univ, [3]Dept. Biol. Sci., Grad. Sch. Sci., Univ. Tokyo, [4]Dept. Biol. Sci., Fac. Sci., Kanagawa Univ)	3aF-08 E Analysis of evolutionary conservation of photosynthesis signaling mechanisms dependent on B4-Raf-like kinases in land plants Shota Yamauchi[1], Hayato Watanabe[1], Tomoki Kuribayashi[1], Hinano Takase[2], Kota Yamashita[2], Taishi Umezawa[2], Ryuichi Nishihama[1] ([1]Fac. Sci. Tech., Tokyo Univ. Sci., [2]Grad. Sch. BASE, Tokyo Univ. Agri. Tech.)	3aG-08 Elucidation of the catalytic mechanism of ABA2 and identification of its authentic reaction products in ABA biosynthesis Keisuke Fujiyama[1], Sayaka Yamada[2], Yuri Ozasa[2], Miu Sato[2], Mikiko Kojima[1], Yumiko Takebayashi[1], Yuri Kanno[1], Jun Takeuchi[3,4], Toshiyuki Ohnishi[3,4], Yasushi Todoroki[3], Masanori Okamoto[1] ([1]CSRS, RIKEN, [2]Grad. Sch. Integr. Sci. Technol., Shizuoka Univ., [3]Fac. of Agr., Shizuoka Univ., [4]RIGST, Shizuoka Univ.)	3aH-08 E The U1 snRNP component RBP45D regulates thermomorphogenesis through alternative splicing in Arabidopsis Geeng-Loo Chong, Ping Chang, Hsin-Yu Hsieh, Shih-Long Tu (Institute of Plant and Microbial Biology, Academia Sinica)				10:45

E=Presentation in English

● Day 3, Sun., March 15, PM (13:30–15:30)

Time	Room A	Room B	Room C	Room D
	Systems biology	Biomembrane / Ion and solute transport		Organelles / Cytoskeleton / Endomembrane system
13:30	3pA-01 Ⓔ Bootstrap-Like Degradome Profiling and Quantum Computing for Accurate Plant microRNA Target and Precursor Predictions Chih-Ling Huang, Yu-Ling Hung, Jia-Zhen Yu, Shih-Shun Lin (Institute of biotechnology, National Taiwan University)	3pB-01 Identification of critical residues required for polar localization of a rice manganese transporter, OsNramp5 Noriyuki Konishi, Jian Feng Ma (Okayama Univ. IPSR)		3pD-01 Regulation of NIP5;1 Polar Localization and Boron Transport Mechanism by Myosin XI Haiyang Liu[1], Keita Muro[2], Riku Chishima[1], Junpei Takano[2], Motoki Tominaga[1,3] ([1]Grad. Sch., Adv. Sci. Eng., Waseda Univ, [2]Grad. Sch., Agri., Osaka Metropolitan Univ., [3]Fac. Educ. Integrated Arts. Sci., Bio., Waseda Univ.)
13:45	3pA-02 Ⓔ Transposable elements drive evolution and perturb gene expression in *Brassica rapa* and *B. oleracea* Yao-Cheng Lin[1], Po-Xing Zheng[1], Chia-Ying Ko[1], Jheng-Yang Ou[1], Andrea Zuccolo[2] ([1]Agricultural Biotechnology Research Center, Academia Sinica, Taiwan, [2]Manash Kozybayev North Kazakhstan University, Kazakhstan)	3pB-02 Identification of ZIP Transporters for Zinc Uptake and Their Zinc-Dependent Vacuolar Trafficking in Arabidopsis Roots Masaya Neki[1], Nodoka Horikawa[2], Ayane Namiki[3], Sho Nishida[4,5], Junpei Takano[1,2,3] ([1]Department of Applied Biological Sciences, Faculty of Agriculture, Osaka Metropolitan University, [2]Graduate School of Life and Environmental Sciences, Osaka Prefecture University, [3]Osaka Prefecture University, Faculty of Life and Environmental Sciences, [4]Department of Biological Resource Sciences, Faculty of Agriculture, Saga University, [5]Kagoshima University Graduate School of Agricultural Sciences)		3pD-02 Functional analysis of Arabidopsis RABH1 GTPase Haruka Iwashita[1], Chihiro Ohori[2], Yoko Ito[3], Emi Ito[6,7], Akihiko Nakano[4,5], Takashi Ueda[6,7], Tomohiro Uemura[1,2] ([1]Faculty of Science, Ochanomizu Univ., [2]Graduate School of Humanities and Sciences, Ochanomizu Univ., [3]Institute for Human Life Innovation, Ochanomizu Univ., [4]Science Tokyo, Institute of Integrated Research, [5]Live Cell Super-Resolution Imaging Research Team, RIKEN Center for Advanced Photonics., [6]Division of Cellular Dynamics, National Institute for Basic Biology., [7]The Department of Basic Biology, SOKENDAI.)
14:00		3pB-03 Degradation of structure variants of boric acid channels through the ERAD pathway in *Arabidopsis* Zhe Zhang[1,2], Sheliang Wang[2,3], Junpei Takano[1,2] ([1]Grad. Sch. Agr., OMU, [2]Grad. Sch. Life & Environ. Sci., OPU, [3]Coll. Resour. & Environ., HZAU)		3pD-03 Analysis of lipid signaling at the *trans*-Golgi network – How does phosphatidylinositol 4-phosphate (PI4P) function in the endomembrane system in plants? Yoko Hasegawa[1], Nelson Serre[1], Lise Noack[1], Matthieu Platre[1], Amélie Bernard[2], Yohann Boutté[2], Yvon Jaillais[1] ([1]Laboratoire Reproduction et Développement des Plantes (RDP), Université de Lyon, ENS de Lyon, UCB Lyon 1, CNRS, INRAE - France, [2]Laboratory of Membrane Biogenesis (LBM), CNRS/Université de Bordeaux - France)
14:15		3pB-04 Ⓔ Functional characterization of a tonoplast-localized aquaporin, OsTP2;1 in rice Jun Ge, Namiki Mitani, Jian Feng Ma (IPSR, Okayama Univ.)		3pD-04 Identification and functional significance of novel proteins localized to leaf lipid droplets Takashi L. Shimada[1,2], Yuto Omata[1], Yuya Iwai[2], Emi Mishiro-Sato[3], Keiko Kano[3], Haruko Ueda[4], Ikuko Hara-Nishimura[4] ([1]Fac. Hort., Chiba Univ., [2]Grad. Sch. Hort., Chiba Univ., [3]Nagoya Univ., [4]Konan Univ.)
14:30		3pB-05 Diverse Transport Properties and Expression Profiles of OsHKT1;1 Variants in Rice Shahin Imran[1], Shuntaro Ono[1], Rie Horie[2], Maki Katsuhara[1], Tomoaki Horie[2] ([1]Institute of Plant Science and Resources, Okayama University, [2]Faculty of Textile Science and Technology, Shinshu University)		3pD-05 Coupling Machine Learning with Genetics Reveals Physical Rules of Pyrenoid Phase Separation Koujiro Matsuo[1], Takashi Yamano[1,2] ([1]Grad. Sch. Biostudies, Kyoto University, [2]CeLiSIS, Kyoto University)
14:45		3pB-06 Ⓔ Functional Role of an Ion-Conducting Aquaporin, OsPIP2;4, in Ion Homeostasis and Salt Stress Response in Rice Plants Newton Chandra Paul[1], Tomoaki Horie[2], Maki Katsuhara[1] ([1]Institute of Plant Science and Resources, Okayama University, [2]Faculty of Textile Science and Technology, Shinshu University)		3pD-06 Identification of a novel factor required for nuclear anchoring against cytoplasmic streaming Kentaro Tamura[1], Mana Iwano[1], Naoya Kawahara[2], Yui Arahira[1], Tomoo Shimada[2] ([1]Sch. Food and Nutritional Sci., Univ. Shizuoka, [2]Grad. Sch. Sci., Kyoto Univ.)
15:00		3pB-07 Ⓔ Water and Ion Pathways in Ion-Conducting/Channel Aquaporins in Tomato PIP2s Fakhar Uddin Talukder, Maki Katsuhara (Institute of Plant Science and Resources, Okayama University)		3pD-07 Analysis of the function of graft-induced germin-like protein on plasmodesmata sealing during xylem development Shiori Nagahara[1], Yinhua Jin[2], Moe Mori[2], Kentaro Okada[3], Nobuyoshi Mochizuki[1], Ken-ichi Kurotani[1], Michitaka Notaguchi[1,2,3] ([1]Grad. Sch. Sci., Kyoto Univ., [2]Grad. Sch. Bioagri. Sci., Nagoya Univ., [3]Biosci. Biotech. Center, Nagoya Univ.)
15:15				3pD-08 Search for Novel Plasmodesmata-associated Genes through Gene Network Analysis Taisei Ohyama[1], Ken-ichi Kurotani[1], Shiori Nagahara[1], Michitaka Notaguchi[1,2] ([1]Grad. Sch. Sci., Kyoto Univ., [2]Biosci. Biotech. Ctr., Nagoya Univ.)

Room E	Room F	Room G	Room H	Room X	Room Y	Room Z	Time
		Plant hormones / Signaling molecules	Environmental response B / Environmental stresses				
		3pG-01 Analysis of crosstalk between ABA and GA via DELLA-GAF1 complex Nozomi Okonagi, Yuki Taninaga, Seitaro Nakabayashi, Yohsuke Takahashi, Jutarou Fukazawa (Grad. Sch. Int. Sci., Hiroshima Univ.)	3pH-01 Expression of a C-terminal truncated PICL protein in Escherichia coli for the structural analysis of the temperature-sensing protein PICL Shuta Imada[1], Takato Matumoto[1], Arisa Nakamura[2], Tuyosi Furumoto[1,2] ([1]Agr., Univ. Ryukoku, [2]Grad. Sch. Agr., Univ. Ryukoku)	Symposium S11 Next-Trend of Plant Biology in Japan and Taiwan (13:30-16:30)	Symposium S12 Recent Advances in the Regulation of Photosynthetic Electron Transport and the Roles of Alternative Electron Flows (13:30-16:30)		13:30
		3pG-02 Mechanism of DELLA-mediated transcriptional activation and growth inhibition via histone modification Hiroki Ando[1], Akira Nozawa[2], Hidetaka Kosako[3], Tatsuya Sawasaki[2], Yohsuke Takahashi[1], Jutarou Fukazawa[1] ([1]Grad. Sch. Int. Sci., Hiroshima Univ., [2]PROS, Ehime Univ., [3]IAMS, Tokushima Univ.)	3pH-02 The novel thermosensor protein PICL integrates and senses cytosolic redox levels and temperature information Takato Matsumoto, Tsuyoshi Furumoto (Grad. sch. Agri., Univ. Ryukoku)				13:45
		3pG-03 Ⓔ Role of NITRATE TRANSPORTER 1.5 in regulating auxin distribution in *Arabidopsis* roots Rubaet Sharmin Ema[1], Hayato Shinonaga[1], Ken-ichiro Hayashi[2], Masaaki Umeda[1] ([1]Grad. Sch. Sci. & Tech., NAIST, [2]Department of Bioscience, Okayama Univ. Sci.)					14:00
		3pG-04 The molecular mechanism of brassinosteroid responsive transcriptional activation via the novel factor BIL7 Kaisei Nishida[1], Yusuke Nakamura[1], Ayumi Yamagami[1], Takuya Miyakawa[1], Tadao Asami[2], Takeshi Nakano[1] ([1]Life Sci., Kyoto Univ., [2]KIBR, Yokohama City Univ)					14:15
		3pG-05 Functional analysis of TGA transcription factors in the moss *Physcomitrium patens* Hiroki Takauo, Teruaki Taji, Yoichi Sakata, Izumi Yotsui (Dept. of Biosci., Tokyo Univ. of Agri)					14:30
		3pG-06 Ⓔ Hyperactivated jasmonic acid signaling enforces plant–microbiome feedbacks in *Arabidopsis* Tung Tse Lu[1], Miguelito Isip[1], Chiao Jung Han[1], Hung Jui Shih[1], Lai Loi Trinh[1], Silvina Perin[2], Yu Chun Lin[3], Po An Lin[3], Ka-Wai Ma[1,3] ([1]Institute of Plant and Microbial Biology, Academia Sinica, Taipei, Taiwan., [2]Department of Plant Microbe Interactions, Max Planck Institute for Plant Breeding Research, Cologne, Germany., [3]Department of Entomology, National Taiwan University, Taipei, Taiwan.)					14:45
							15:00
							15:15

Ⓔ=Presentation in English

List of Chairpersons of Oral Presentations

Day 1 Fri., March 13, AM

1aA-01-1aA-12	Photosynthesis	Haruki Yamamoto Ritsuko Fujii Yuichi Fujita
1aB-01-1aB-12	Primary metabolism	Yushi Yoshitake Soichi Kojima Atsuko Miyagi
1aC-01-1aC-06	Specialized (secondary) metabolism	Yusuke Aihara Masami Hirai
1aD-01-1aD-12	Genome function/gene regulation	Koki Nakamura Takuya Sakamoto Eriko Sasaki
1aE-01-1aE-12	Development/Morphogenesis	Hatsune Morinaka Hiroyuki Koga Atsuko Kinoshita
1aF-01-1aF-12	New technology	Hiraku Suda Ayumu Takatsuka Masaki Odahara
1aG-01-1aG-12	Environmental response A/Physiological responses	Tatsuki Akabane Ken'ichi Ogawa Akie Shimotohno
1aH-01-1aH-12	Environmental response B/Environmental stresses	Fuminori Takahashi Yasunari Fujita Junya Mizoi

Day 1 Fri., March 13, PM

1pA-01-1pA-12	Photosynthesis	Kentaro Ifuku Yuki Okegawa Yoshifumi Ueno
1pB-01-1pB-09	Primary metabolism	Nozomu Sakurai Yuki Nakamura Yusuke Shikanai
1pC-01-1pC-12	Plant-organism interaction A	Yasuomi Tada Naoyoshi Kumakura Yoshiharu Mimata
1pD-01-1pD-10	Genome function/gene regulation	Taiji Kawakatsu Kyonoshin Maruyama Yukio Kurihara
1pE-01-1pE-12	Development/Morphogenesis	Momoko Ikeuchi Yukiko Yasui Miya Mizutani
1pF-01-1pF-04	New technology, Bioresources	Tsubasa Shoji
1pG-01-1pG-07	Environmental response A/Physiological responses	Shinya Yoshikawa Koji Takahashi
1pH-01-1pH-12	Environmental response B/Environmental stresses	Daisuke Todaka Takehito Inaba Hidetaka Ito

Day 2 Sat., March 14, AM

2aA-01-2aA-12	Photosynthesis	Makiko Aichi Yusuke Matsuda Ko Noguchi
2aB-01-2aB-11	Cell wall	Eri Kamon Emiko Okubo-Kurihara Toshihisa Kotake
2aC-01-2aC-12	Plant-organism interaction A	Shigeyuki Betsuyaku Shigetaka Yasuda Yasuhiro Kadota
2aD-01-2aD-11	Organelles/Cytoskeleton/Endomembrane system	Sho Fujii Juntaro Negi Tomohito Yamasaki
2aE-01-2aE-12	Development/Morphogenesis	Munetaka Sugiyama Tatsuaki Goh Yuuki Sakai

2aF-01-2aF-12	Reproduction	Ryusuke Yokoyama Tomoko Igawa Katsuyuki T. Yamato
2aG-01-2aG-06	Environmental response A/Physiological responses	Norihito Nakamichi Shoji Segami
2aH-01-2aH-12	Environmental response B/Environmental stresses	Akihisa Shinozawa Toshinori Kinoshita Fumiyuki Soma

Day 2 Sat., March 14, PM

2pA-01-2pA-06	Photosynthesis	Yoshitaka Nishiyama Yukako Hihara
2pB-01-2pB-04	Cell wall	Kentaro Okada
2pC-01-2pC-06	Plant-organism interaction B	Akihiro Yamazaki Hiromu Kameoka
2pD-01-2pD-06	Organelles/Cytoskeleton/Endomembrane system	Mitsuhiro Matsuo Takashi Hirayama Shoji Mano
2pE-01-2pE-06	Development/Morphogenesis	Hirotaka Kato Yoko Ikeda
2pF-01-2pF-06	Reproduction	Tetsuya Hisanaga Yusuke Kimata
2pG-01-2pG-06	Plant hormones/Signaling molecules	Shiori S. Aki Shuka Ikematsu Chihiro Furumizu
2pH-01-2pH-06	Environmental response B/Environmental stresses	Daisuke Shimamura Yoshiharu Y. Yamamoto

Day 3 Sun., March 15, AM

3aA-01-3aA-08	Systems biology	Koh Aoki Yuuki Kobayashi Takeshi Obayashi
3aB-01-3aB-07	Biomembrane/Ion and solute transport	Maki Katsuhara Noriyuki Konishi
3aC-01-3aC-08	Plant-organism interaction B	Momoko Takagi Hironori Kaminaka Hanna Nishida
3aD-01-3aD-08	Organelles/Cytoskeleton/Endomembrane system	Noriko Inada Takumi Higaki Yuki Sugiyama
3aE-01-3aE-08	Development/Morphogenesis	Sachihiro Matsunaga Tomoyuki Furuya Takashi Nobusawa
3aF-01-3aF-08	Photoreceptors/Photoresponses	Eigo Ando Shota Yamauchi Takeshi Higa
3aG-01-3aG-08	Plant hormones/Signaling molecules	Keita Tanaka Toshiaki Kozuka Masanori Okamoto
3aH-01-3aH-08	Environmental response B/Environmental stresses	Hideaki Iimura Takamasa Suzuki

Day 3 Sun., March 15, PM

3pA-01-3pA-02	Systems biology	Atsushi Fukushima
3pB-01-3pB-07	Biomembrane/Ion and solute transport	Akiko Maruyama Akira Yoshinari
3pD-01-3pD-08	Organelles/Cytoskeleton/Endomembrane system	Shiori Nagahara Takashi Yamano Kentaro Tamura
3pG-01-3pG-06	Plant hormones/Signaling molecules	Izumi Yotsui Jutarou Fukazawa
3pH-01-3pH-02	Environmental response B/Environmental stresses	Satoshi Kidokoro