

**19 September (9:15-12:00) Oral Presentation Program**

Chair: Sachiko Isobe (Kazusa DNA)		Chair: Manaki Mimura (Univ. Tokyo)		Chair: Hiroshi Hisano (Okayama Univ.)		Chair: Mai Minamikawa (Chiba Univ.)		Chair: Hiroyuki Kakui (Univ. Tokyo)		Chair: Hidetaka Kaya (Ehime Univ.)			
9:15	101	De novo genome assembly and genomic analysis for characterization of Japanese breeding lines in sugar beet.	201	Functional analysis of a tab1 suppressor gene in rice tiller formation	301	Effect of postharvest short-term storage and storage temperature on sugar and carbohydrate content of sweetpotato varieties.	401	Differentiable breeding: Automatic differentiation enables efficient gradient-based optimization of breeding strategies	501	Self-incompatibility phenotypes of SRK mutants can be predicted with high accuracy	601	Possibility that senescence-related genes are involved in decreased heterosis level by DDM1 dysfunction and reduced leaf area due to shade avoidance syndrome	9:15
		☆Hiroki, K. I., K. Kitazaki <sup>1</sup> , T. Narihiro <sup>2</sup> , H. Matsuhira <sup>2</sup> , T. Kubo <sup>1</sup> , Y. Kuroda <sup>2</sup> (1. Graduate School of Agriculture, Hokkaido University, 2. HARC, NARO)		☆Ohyama, A. I., T. Toriba <sup>2</sup> , W. Tanaka <sup>1</sup> (1. Grad. Sch. Integr. Sci. Life, Hiroshima Univ., 2. Miyagi Univ.)		○Nishinaka, M., K. Taguchi (Central Reg. Agri. Res. Cent., NARO)		☆Hamazaki, K. I., H. Iwata <sup>2</sup> , K. Tsuda <sup>1,3</sup> (1. Adv. Int. Proj., RIKEN, 2. Grad. Sch. Agr. Life Sci., Univ. Tokyo, 3. Grad. Sch. Fro. Sci., Univ. Tokyo)		○Yamamoto, M. I., S. Ohtake <sup>1</sup> , A. Sinozawa <sup>2</sup> , M. Shiota <sup>3</sup> , Y. Mitsui <sup>4</sup> , H. Kitashiba <sup>1</sup> (1. Graduate School of Agricultural Science, Tohoku University, 2. NODAI Genome Research Center, Tokyo University of Agriculture, 3. Graduate School of Medicine, Tohoku University, 4. Graduate School of Agricultural Science, Tokyo University of Agriculture)		☆Nishimura, K., R. Fujimoto (Kobe University, Graduate School of Agricultural Science, Kobe, Japan)	
9:30	102	Challenges to assemble autotetraploid genomes with long read sequencing	202	Discovery and analysis of a novel factor that promotes tiller formation in rice	302	Underground visualization techniques for root crop phenotyping	402	Fusion of remote sensing data collected at different scales through statistical modeling	502	Independence of female receptors in self-incompatibility(SRK) and unilateral incompatibility(SUI1) in Brassica rapa.	602	Genome editing using a compact and highly efficient engineered AsCas12f in plants	9:30
		○Naito, K. I., H. Sakai <sup>2</sup> , H. Yamakawa <sup>3</sup> , K. Akai <sup>4</sup> (1. NGRC, 2. NAAC, 3. NICS, 4. HARC/NARO)		☆Mizugishi, K., S. Nishino, W. Tanaka (Grad. Sch. Integr. Sci. Life, Hiroshima Univ.)		☆Tei, M. I., J. Liu <sup>2</sup> , Y. Uga <sup>1</sup> , T. Ishii <sup>2,3</sup> (1. Inst. Crop Sci., NARO, 2. Arid Land Research Center, Tottori Univ., 3. International Platform for Dryland Research and Education, Tottori Univ.)		☆Fukumoto, Y. I., T. Chen <sup>1,2</sup> , M. Okada <sup>3</sup> , Y. Toda <sup>4</sup> , Y. Ohmori <sup>1</sup> , Y. Yamasaki <sup>5</sup> , H. Takahashi <sup>6</sup> , H. Takanashi <sup>1</sup> , M. Tsuda <sup>7</sup> , W. Guo <sup>1</sup> , M. Hirai <sup>8</sup> , H. Tsujimoto <sup>5</sup> , A. Kaga <sup>9</sup> , M. Nakazono <sup>6</sup> , T. Fujiwara <sup>1</sup> , H. Iwata <sup>1</sup> (1. Grad. Sch. Agr. Life Sci., Univ. Tokyo, 2. Inst. Vegetable and Floriculture Sci., NARO, 3. Sarabetsu Prediction, 4. Inst. Agro-Environmental Sci., NARO, 5. Arid Land Res. Ctr., Tottori Univ., 6. Grad. Sch. Bioagri. Sci., Nagoya Univ., 7. T-PIRC, Univ. Tsukuba, 8. Ctr. for Sustainable Resource Sci., RIKEN, 9. Inst. Crop Sci., NARO)		○Takada, Y. I., K. Murase <sup>2</sup> , J. Park <sup>1,3</sup> , G. Suzuki <sup>4</sup> , S. Takayama <sup>2</sup> , M. Watanabe <sup>1</sup> (1. Grad. Sch. Sci., Tohoku Univ., 2. Grad. Sch. Agr. Sci., Univ. Tokyo, 3. Sunchon Natl. Univ., 4. Osaka-kyoiku Univ.)		○Saika, H. I., K. Ishibashi <sup>1</sup> , S. Sukegawa <sup>1</sup> , M. Endo <sup>1</sup> , N. Hara <sup>1</sup> , O. Nureki <sup>2</sup> , S. Toki <sup>1,3,4,5</sup> (1. Inst. Agrobiol. Sci., NARO, 2. Grad. Sch. Sci., Univ. Tokyo, 3. Grad. Sch. Nanobioscience, Yokohama City Univ., 4. KIBR, Yokohama City Univ., 5. Fac. Agr., Ryukoku Univ.)	
9:45	103	Whole genome sequencing of Momordica cochinchinensis and comparative analysis with genome of Momordica charantia.	203	Analysis of rice mutants that rescue the defect in axillary bud formation in tillers absent1	303	Researching traits of tea genetic resources in Shizuoka prefecture for use in breeding.	403	Crossing Strategy Considering Multiple Traits Based on the Ability of Future Inbred Lines in Plant Breeding Programs	503	Transcriptome analysis of the hybrid endosperm overcoming the hybridization barrier in an interspecific cross with wild rice	603	Fine-tuning TAWAWA1-mediated panicle architecture by genome editing of a downstream conserved noncoding sequence in rice	9:45
		☆Kawashima, W. I., H. Matsumura <sup>2</sup> (1. Grad. Sch. Sci. Tech., Shinshu Univ., 2. Gene Res. Ctr., Shinshu Univ.)		☆Aimori, S., A. Ohyama, W. Tanaka (Grad. Sch. Integr. Sci. Life, Hiroshima Univ.)		☆Aoshima, C. I., J. Kawaki <sup>1</sup> , Y. Shuzuki <sup>1</sup> , M. Sakurai <sup>2</sup> , H. Yamashita <sup>3,4</sup> , Y. Ishiguro <sup>5</sup> , T. Ikka <sup>3,4,6</sup> (1. Tea Res. Cent., Shizuoka Pref., 2. Shidahaibara Agr. Forest. Office, Shizuoka Pref., 3. Fac. Agr., Univ. Shizuoka, 4. Shizuoka Univ. Rec. Inst. Tea Sci., 5. Grand. Agr., Univ. Shizuoka, 6. Shizuoka Univ. Res. Inst. Green Sci. Tech.)		☆Sakurai, K. I., M. Laurence <sup>2</sup> , M. Tristan <sup>2,3</sup> , I. Hiroyoshi <sup>1</sup> , C. Alain <sup>2</sup> (1. Grad. Sch. Agr. Life Sci., Univ. Tokyo, 2. Univ. Paris-Saclay, GQE - Le Moulon, France, 3. Univ. Paris-Saclay, UMR MIA Paris-Saclay, France)		☆Sakurai, F. I., E. Kurosaka <sup>2</sup> , H. Furuumi <sup>3</sup> , Y. Sato <sup>3</sup> , K. Hatakeyama <sup>2</sup> , K. Tonosaki <sup>1</sup> , T. Kinoshita <sup>1</sup> (1. KIBR, Yokohama City Univ., 2. Fac. Agri., Iwate Univ., 3. NIG)		Kuroha, T. I., F. Lombardo <sup>1</sup> , W. Iwasaki <sup>2</sup> , S. Chechetka <sup>1</sup> , Y. Kawahara <sup>3</sup> , A. Yoshida <sup>2</sup> , J. Kyozuka <sup>2</sup> , T. Makino <sup>2</sup> , ○H. Yoshida <sup>1</sup> (1. Inst. Agrobiological Sci., NARO, 2. Grad. School Life Sci., Tohoku Univ., 3. Adv. Anal. Ctr., NARO)	
		<b>Chair: Ken Naito (NARO)</b>			<b>Chair: Hiroto Yamashita (Shizuoka Univ.)</b>			<b>Chair: Kaoru Tonosaki (Yokohama City Univ.)</b>	<b>Chair: Hiroaki Saika (NARO)</b>				
10:00	104	Genome analysis of the highly salt-tolerant wild rice Oryza coarctata	204	Genetic and cytological analyses of a very short awn mutant of barley	304	Influence of soil pH and fertilizer level on grain mineral accumulation in rice MAGIC population	404	Optimization of cross pairs among families with different genetic characteristics to improve multiple traits	504	Maize-wheat cybrid plants (Zeawheat): genome composition and intergenerational transmission	604	Screening of a gene that determines saccharification yields from rice straws by overexpression of the candidates	10:00
		☆Nishiyama, N., T. Mochizuki, M. Sakamoto, Y. Tanizawa, K. Tsuda, S. Shimizu-Sato, T. Yoshikawa, Y. Nakamura, A. Toyoda, Y. Sato (National Institute of Genetics)		○Taketa, S., T. Nishina, M. Shiraga (Research Institute of Plant Science and Resources, Okayama University)		☆ZHANG, Q. I., T. Furuta <sup>1</sup> , K. Kashihara <sup>1</sup> , D. Ogawa <sup>2</sup> , J. Yonemaru <sup>3</sup> , J. Ma <sup>1</sup> , T. Yamamoto <sup>1</sup> (1. IPSR, Grad. Sch. Environ. Life Nat. Sci., Okayama Univ., 2. NICS, NARO, 3. RCAIT, NARO)		☆Kinoshita, S. I., K. Sakurai <sup>1</sup> , K. Hamazaki <sup>2</sup> , T. Tsusaka <sup>3</sup> , M. Sakurai <sup>3</sup> , K. Shirasawa <sup>4</sup> , S. Isobe <sup>4</sup> , H. Iwata <sup>1</sup> (1. Grad. Sch. Agr. Life Sci., Univ. Tokyo, 2. Adv. Int. Proj., RIKEN, 3. TSUMURA & CO., 4. Kazusa DNA Res. Inst.)		☆Onda, N. I., A. Satoh <sup>1</sup> , F. Nowroz <sup>1</sup> , K. Kobayashi <sup>1</sup> , T. Maryenti <sup>1</sup> , T. Ishii <sup>2</sup> , T. Okamoto <sup>1</sup> (1. Dept. Biol., Tokyo Met. Univ., 2. ALRC., Tottori Univ.)		☆Yamaguchi, M., A. Ono, Y. Ito (Grad. Agri. Sci., Tohoku Univ.)	



11:15	109	Polyploid GWAS reveals the basis of molecular marker development for starch content when associated with important breeding trait in storage root of sweetpotato	<b>Chair: Ayumi Agata (Nagoya Univ.)</b>	309	Selection method for cold-tolerant lines in rice using anther length under natural field condition	409	Selection of Brassicaceae seeds by size-independent shape analyses	509	Fertility-related QTL and segregation distortion in tetraploid rice	609	The impact of a partial chromosome duplication on the Arabidopsis thaliana genome	11:15	
		○Haque, E.I., K. Shirasawa <sup>2</sup> , K. Suematsu <sup>1</sup> , H. Tabuchi <sup>1</sup> , S. Isobe <sup>2</sup> , M. Tanaka <sup>1</sup> (1.Kyu. Oki. Agric. Res. Cent., NARO, Japan, 2.Kazusa DNA Res. Inst., Japan)	○Mimura, M.I., K. Nonomura <sup>2</sup> , J. Itoh <sup>1</sup> (1.Grad. Sch. Agri. & Life Sci., Univ. Tokyo, 2.Natl. Inst. Genet., NIG)		☆Sato, R.I., A. Zewdu <sup>1</sup> , A. Abe <sup>2</sup> , T. Fujioka <sup>3</sup> , H. Takasago <sup>4</sup> , M. Matsunami <sup>5</sup> , H. Shimono <sup>5,6</sup> (1.The United Graduate School of Agricultural Sciences-Iwate University, 2.Iwate Biotechnology Research Center, 3.Iwate Prefectural Agricultural College, 4.Iwate Agricultural Research Center, 5.Faculty of Agriculture, Iwate University, 6.Agri-Innovation Center, Iwate University)		☆Kimura, H., S. Bang, T. Ohnishi (Grad. Reg. Cre. Sci., Utsunomiya U.)		☆Kamachi, I.I., S. Okada <sup>1</sup> , N. Kataoka <sup>2</sup> , Z. Myint <sup>1</sup> , Y. Kishima <sup>3</sup> , Y. Koide <sup>3</sup> (1.Graduate School of Agriculture, Hokkaido University, 2.Faculty of Agriculture, Hokkaido University, 3.Research Faculty of Agriculture, Hokkaido University)		☆Nishijima, R.I., J. Fawcett <sup>2</sup> , T. Sakamoto <sup>3</sup> , Y. Ugai <sup>1</sup> , T. Hyodo <sup>1</sup> , K. Sugita <sup>1</sup> , T. Ikoma <sup>1</sup> , Y. Tsujimoto-Inui <sup>4</sup> , H. Tanaka <sup>5</sup> , T. Itoh <sup>5</sup> , T. Abe <sup>6</sup> , S. Matsunaga <sup>4</sup> , Y. Kazama <sup>1,6</sup> (1.Grad. Sch. Biosci. Biotech., Fukui Pref. Univ., 2.RIKEN iTHEMS, 3.Dept. Sci., Kanagawa Univ., 4.Grad. Sch. Front. Sci., Univ. Tokyo, 5.Sch. Life Sci. Tech., Tokyo Tech. Univ., 6.RIKEN Nishina Cent.)		
11:30	110	Development of DNA markers for sweetpotato steamed tuber texture by polyploid QTL-seq	210	Structural and genetic basis of water repellency in rice leaves	310	Cool summer damage and its mitigating measures of rice in Northern Japan caused by the huge volcanic explosive eruptions in the Northern Hemisphere	410	Development of Smart Technology for Cabbage Utilizing Hyperspectral Camera	510	Genome-wide analysis of segregation distortion in progenies of an inter-specific hybrid tetraploid rice	610	Live cell imaging of pollen mitosis in wheat to reveal chromosome breakage patterns induced by gametocidal genes	11:30
		○Yamakawa, H.I., T. Mizubayashi <sup>1</sup> , M. Tanaka <sup>2</sup> (1.NICS, NARO, 2.KARC, NARO)	Hiraiwa, A.I., S. Aiga <sup>1</sup> , T. ZHU <sup>1</sup> , Y. Sato <sup>2</sup> , ○J. Itoh <sup>1</sup> (1.Grad. Sch. Agric. Life Sci., Univ. Tokyo, 2.Natl. Inst. Genet.)		○KATO, H. (Tokyo University of Agriculture, Department of Agricultural Innovation for Sustainable Society)		○Yamagiwa, Y., t. Ohishi (Shizuoka Pref. Inst. of Agri. & Forestry)		☆Oka, T.I., T. Furuta <sup>1</sup> , K. Kashiwara <sup>1</sup> , H. Mu <sup>1</sup> , Y. Kishima <sup>2</sup> , K. Nagaki <sup>1</sup> , T. Yamamoto <sup>1</sup> (1.IPSR, Grad. Sch. Environ. Life Nat. Sci., Okayama Univ., 2.Grad. Sch. Agr., Hokkaido Univ.)		☆Usumoto, S.I., K. Murata <sup>1</sup> , H. Kakui <sup>2</sup> , Y. Sato <sup>3</sup> , S. Nasuda <sup>1</sup> (1.Grad. Sch. Agric., Kyoto Univ., 2.Grad. Sch. Agric. Life Sci., Univ. Tokyo., 3.WPI-ITbM, Nagoya Univ.)		
11:45	111	Construction of genetic linkage map in tetraploid blueberry through dpMIG-seq-based genotyping	211	Analysis of 3D growth pattern in primordia of rice husk			411	Verification of rice cultivation in artificial environments using meteorological data and investigation of impact of future global warming				11:45	
		☆Nagasaka, K.I., K. Nishimura <sup>1,2</sup> , K. Yamagata <sup>1</sup> , S. Nishiyama <sup>1</sup> , H. Yamane <sup>1</sup> , R. Nakano <sup>1</sup> , T. Nakazaki <sup>1,3</sup> (1.Grad. Sch. Agr., Kyoto Univ., 2.Grad. Sch. Environ. Life. Sci. and Tech., Okayama Univ., 3.Office IAC, Kyoto Univ.)	☆Miura, S.I., Y. Tokuyama <sup>1</sup> , M. Taguchi <sup>2</sup> , Y. Kishima <sup>3</sup> , Y. Koide <sup>3</sup> (1.Graduate School of Agriculture, Hokkaido University, 2.Faculty of Agriculture, Hokkaido University, 3.Research Faculty of Agriculture, Hokkaido University)				○Itoh, H.I., H. Yamashita <sup>2</sup> , K. Wada <sup>3</sup> , J. Yonemaru <sup>3</sup> (1.Institute of Crop Science, NARO, 2.Faculty of Agriculture, Sizuoka University, 3.Research Center of Agricultural Information, NARO)					12:00	

**20 September (13:15-15:45) Oral Presentation Program**

Chair: Tomoyuki Furuta (Okayama Univ.)		Chair: Hiroyuki Tsuji (Nagoya Univ.)		Chair: Takayoshi Ishii (Tottori Univ.)		Chair: Yoshiaki Inukai (Nagoya Univ.)		Chair: Katsunori Tanaka (Hiroasaki Univ.)		Chair: Hiromi Kajiya-Kanegae (NARO)			
13:15	112	Development of breeding selection markers for soybeans and allelic diversity among cultivars bred by the Nagano breeding team. ○Ogiso-Tanaka, E. I., K. Seki <sup>2</sup> (1.Ctr. Mol. Biodivers. Res., Natl. Mus. Nat. Sci., 2.Nagano Veg. & Orna. Crops Exp. Sta.)	212	Identification of genes contributing to high florigen expression capacity in radish. ☆Motoki, K. I., K. Nishimura <sup>1</sup> , M. Kashima <sup>2</sup> , T. Nakazaki <sup>3</sup> , R. Nakano <sup>4</sup> , M. Hosokawa <sup>5,6</sup> (1.Grad. Sch. Environ. Life Nat. Sci. Tech., Okayama Univ., 2.Fac. Sci., Toho Univ., 3.Office of IAC, Kyoto Univ., 4.Grad. Sch. Agr., Kyoto Univ., 5.Fac. Agr., Kindai Univ., 6.Agr. Tech. Innov. Res. Inst., Kindai Univ.)	312	Expression of plastid genes in cultured tissues of barley ○Hisano, H. I., J. Kim <sup>1,2</sup> , N. Nagata <sup>3</sup> , R. Matsushima <sup>1</sup> , S. Fujii <sup>4</sup> , A. Iwase <sup>2</sup> , T. Yaeno <sup>5</sup> , K. Kobayashi <sup>6</sup> (1.IPSR, Okayama University, 2.CSRS, RIKEN, 3.Fac. Sci., Japan Women's U., 4.Fac. Agric. Life Sci., Hiroasaki U., 5.Grad. Sch. Agric., Ehime U., 6.Grad. Sch. Sci., Osaka Metropolitan U.)	412	Does radial oxygen loss from root affect to root elongation during shoot emergence and rice seedling establishment under submergence? ☆Tamaru, S. I. <sup>2</sup> , N. Fujiwara <sup>3</sup> , H. Shiba <sup>1,2</sup> , K. Shiono <sup>1,3</sup> (1.Grad. Sch. Biosci. Biotech., Fukui Pref. Univ., 2.JSPS Research Fellow, 3.Dept. Biosci. Biotech., Fukui Pref. Univ.)	512	Effect of sowing density of a photoperiod sensitive cytoplasmic male sterile line on F1 seed production ○Murai, K. I., H. Tada <sup>1</sup> , Y. Takenouchi <sup>2</sup> (1.Dept. Sust. Agri-Culture, Fukui Pref. U., 2.Agr. Res. Inst., HOKUREN)	612	Genomics and transcriptomics of natural variation in tea catechin biosynthesis. ☆Funakawa, N. I., H. Yamashita <sup>1,2,3,4</sup> , Y. Ishiguro <sup>3</sup> , J. Kawaki <sup>5</sup> , T. Ikka <sup>1,2,3,4,6</sup> (1.Grad. Agr., Shizuoka Univ., 2.Fac. Agr., Shizuoka Univ., 3.Uni. Agr., Gifu Univ., 4.Res. Inst. Tea Sci., 5.Tea Res. Cent., Shizuoka Pref., 6.Res. Inst. Green Sci. Tech., Shizuoka Univ.)	13:15
13:30	113	Effects of recurrent selection on genome structure in soybean. ○Yamaguchi, N. I., H. Igarashi <sup>2</sup> , T. Maruta <sup>3</sup> , T. Nagayama <sup>4</sup> , A. Kaga <sup>4</sup> (1.Central Agr. Exp. Sta., HRO, 2.Tokachi Agr. Exp. Sta., HRO, 3.Donan Agr. Exp. Sta., HRO, 4.Inst. Crop Sci., NARO)	213	Identification of factors inducing early flowering in ddm1 mutant of C24 accession in Arabidopsis thaliana ☆Kunita, K., R. Fujimoto (Horticultural Crop Propagation., Grad. Sch. Agri. Sci., Univ. Kobe)	313	Study on production of haploid plants by anther culture and microspore culture in Saintpaulia. ☆Oka, T., Y. Takahara (Nagaoka University of Technology, Materials Science and Bioengineering)	413	Dynamics of barley growth and rhizosphere oxidation under waterlogging using spatiotemporal oxygen imaging ☆Shiba, H. I. <sup>2</sup> , Y. Egami <sup>3</sup> , M. Dannoura <sup>4</sup> , S. Takanashi <sup>5</sup> , K. Shiono <sup>1</sup> (1.Grad. Sch. Biosci. Biotech., Fukui Pref. Univ., 2.JSPS Research Fellow, 3.Dept. Mech. Eng., Aichi Inst. Tech., 4.Grad. Sch. Agr., Kyoto Univ., 5.Kansai Res. Centre, FFPRI)	513	Breeding of Miyazaki's original vegetable "Hyuga Kabocha" ~ Obtainment of a new variety "Nankyu Black Ball No. 3 Go" by interspecific hybridization ~ ○Chen, L. I. <sup>2</sup> , K. Goto <sup>2</sup> , Y. Iwamoto <sup>2</sup> , T. Fukuda <sup>1</sup> , S. Joka <sup>1</sup> , K. Hori <sup>1</sup> , M. Matsuse <sup>1</sup> , T. Nariiki <sup>1</sup> , R. Kubata <sup>1</sup> (1.Fac. Envir. Hort. Sci., Minami Kyushu U., 2.Grad. Sch. Hort. & Food Sci., Minami Kyushu U.)	613	Validation of genomic estimated breeding values in large-scale tea germplasm ☆Ishiguro, Y. I., H. Yamashita <sup>1,2,3</sup> , J. Kawaki <sup>4</sup> , A. Nagano <sup>5,6</sup> , T. Ikka <sup>1,2,3,7</sup> (1.Uni. Agr., Gifu Univ., 2.Fac. Agr., Shizuoka Univ., 3.Shizuoka Univ. Res. Inst. Tea Sci., 4.Shizuoka Tea Res. Cent., 5.Fac. Agr., Ryukoku Univ., 6.Inst. Adv. Biosci., Keio Univ., 7.Shizuoka Univ. Res. Inst. Green Sci. Tech.)	13:30
13:45	114	Development of genomic prediction models to increase the efficiency of tea plant breeding ○Kawaki, J. I., H. Yamashita <sup>2,3</sup> , Y. Ishiguro <sup>4</sup> , T. Ikka <sup>2,3,5</sup> , C. Aoshima <sup>1</sup> , Y. Suzuki <sup>1</sup> (1.Tea Res. Cent., Shizuoka Pref., 2.Fac. Agr., Univ. Shizuoka, 3.Shizuoka Univ. Res. Inst. Tea Sci., 4.Grad. Agr., Univ. Shizuoka, 5.Shizuoka Univ. Res. Inst. Green Sci. Tech.)	214	Detection of candidate locus of PFE1 controlling flowering time in Eustoma ○Kawakatsu, K., N. Fukuta (NIVFS, NARO)	314	Characterization of male sterility found in super-male spinach plants and the search for candidate genes responsible for the trait. ☆Maeda, S. I., H. Hirakawa <sup>2</sup> , K. Shirasawa <sup>3</sup> , S. Isobe <sup>3</sup> , Y. Onodera <sup>4</sup> (1.Grad. Sch. Agr., Hokkaido Univ., 2.Fac. Agr., Kyushu Univ., 3.Kazusa DNA Res., 4.Res. Fac. Agr., Hokkaido Univ.)	414	Low nitrate under waterlogging triggers enhancement of root aeration system in rice roots ○Shiono, K., M. Ejiri, Y. Egishi, H. Yoshida, Y. Sawazaki, T. Tsunoda (Fac., Biosci. Biotech., Grad. Sch., Fukui Pref. Univ.)	514	Developing "Yumemizuko ER": introducing early heading date and partial rice blast resistance into 'Yumemizuko' in Ishikawa Prefecture ☆Takata, M. I. <sup>2</sup> , M. Sakemoto <sup>1</sup> , K. Kontani <sup>1</sup> , R. Harada <sup>2</sup> , M. Ino <sup>2</sup> , K. Nakamura <sup>2</sup> , H. Hatanaka <sup>2</sup> , K. Okada <sup>2</sup> , H. Takagi <sup>1</sup> (1.Ishikawa Prefectural University, 2.Ishikawa Agriculture Research Center)	614	Association analysis of metabolomic data in soybean for metabolic pathway and genomic region by metabolome GWAS ☆Hatta, T. I., Y. Fuji <sup>2</sup> , Y. Toda <sup>3</sup> , Y. Ichihashi <sup>4</sup> , Y. Oomori <sup>1</sup> , Y. Yamasaki <sup>1</sup> , H. Takahashi <sup>5</sup> , H. Takanashi <sup>1</sup> , M. Tsuda <sup>6</sup> , H. Tsujimoto <sup>7</sup> , A. Kaga <sup>8</sup> , M. Nakazono <sup>5</sup> , T. Fujiwara <sup>1</sup> , M. Hirai <sup>2</sup> , H. Iwata <sup>1</sup> (1.Grad. Sch. Agr. Life Sci., Univ. Tokyo, 2.RIKEN Ctr. for Sustainable Sci., 3.Institute for Agro-Environmental Sci., NARO, 4.RIKEN BioResource. Res. Ctr., 5.Grad. Sch. Bioagri. Sci., Nagoya Univ., 6.Faculty of Food and Nutritional Sci., Toyo Univ., 7.Arid Land Res. Ctr., Tottori Univ., 8.Inst. Crop Sci., NARO)	13:45
Chair: Takeshi Kuroha (NARO)		Chair: Kyoko Kawakatsu (NARO)		Chair: Takayuki Ohnishi (Utsunomiya Univ.)		Chair: Katsunori Tanaka (Hiroasaki Univ.)		Chair: Katsunori Tanaka (Hiroasaki Univ.)		Chair: Hiromi Kajiya-Kanegae (NARO)			
14:00	115	From QTL Analysis to STS Conversion: The Application of GRAS-Di Technology Suzuki, K. I., T. Kimura <sup>1</sup> , N. Tada <sup>1</sup> , T. Furuta <sup>2</sup> , R. Matsushima <sup>2</sup> , H. Enoki <sup>1</sup> , ○D. Saisho <sup>2</sup> (1.TOYOTA MOTOR CORPORATION, 2.IPSR, Okayama Univ.)	215	Genetic mapping of a novel early-heading QTL with small effects located on chromosome 5H in barley ☆Togai, A. I., Y. Atsujii <sup>2</sup> , M. Okuma <sup>1</sup> , K. Nishimura <sup>1</sup> , Y. Monden <sup>1</sup> , K. Kato <sup>1</sup> , H. Nishida <sup>1</sup> (1.Grad. Sch. Environ. Life Nat. Sci. Tech., Okayama U., 2.Grad. Sch. Environ. Life Sci., Okayama U.)	315	Analysis of RT98-type cytoplasmic male sterility associated mitochondrial genes in rice ☆Kobayashi, A. I., T. Kazama <sup>2</sup> , S. Arimura <sup>3</sup> , K. Toriyama <sup>1</sup> , K. Igarashi <sup>1</sup> (1.Grad. Sch. Agri., Tohoku Univ., 2.Grad. Sch. Agri., Kyushu Univ., 3.Grad.Sch. Agri. Life Sci., Univ. Tokyo)	415	Analysis of the SCARECROW-mediated regulatory mechanisms of the number of root cortical cell layers in rice roots in response to low oxygen ☆Minami, S. I., K. Tsuda <sup>2</sup> , T. Yamauchi <sup>3</sup> (1.Grad. Sch. Bioagr. Sci., Nagoya Univ., 2.National Institute of Genetics, 3.Biosci. Biotech. Center, Nagoya Univ.)	515	Evaluation of yield phenotypic potential in common buckwheat for genetic improvement of NUS ○Hara, T. I., H. Habara <sup>2</sup> , S. Njane <sup>1</sup> , S. Otsuka <sup>1</sup> , A. Itoh <sup>1</sup> , K. Ishiguro <sup>1</sup> , K. Matsushima <sup>3</sup> (1.HARC., NARO, 2.Grad. Sch. Sci. Tech., Shinshu Univ., 3.Inst. Agric. Acad. Assy. Fac., Shinshu Univ.)	615	Comparative proteomic analysis of dormant and non-dormant embryos in embryonic dormancy of rice seeds ☆Ishikawa, T. I., K. Murata <sup>2</sup> , T. Yamada <sup>1</sup> , M. Kanekatsu <sup>1</sup> (1.Grad. Sch. Agr., Tokyo U. Agr. Tec., 2.Toyama Pref. Agr. Forest. Fish. Res. Cent.)	14:00
Chair: Takeshi Kuroha (NARO)		Chair: Kyoko Kawakatsu (NARO)		Chair: Takayuki Ohnishi (Utsunomiya Univ.)		Chair: Katsunori Tanaka (Hiroasaki Univ.)		Chair: Katsunori Tanaka (Hiroasaki Univ.)		Chair: Hiromi Kajiya-Kanegae (NARO)			
14:15	116	Identification of QTLs controlling regrowth ability in sorghum ○Takanashi, H., Y. Yamazaki, J. Yamada, M. Ishimori, N. Tsutsumi (Grad. Sch. Agric. Life Sci., Univ. Tokyo)	216	Extremely short period of photoperiod sensitive phase contributes to photo-insensitivity and low temperature tolerance in photo-insensitive rice varieties. ☆Sakaguchi, S. I., M. Hoque <sup>1</sup> , Y. Kishima <sup>2</sup> (1.Graduate School of Agriculture, Hokkaido University, 2.Research Faculty of Agriculture, Hokkaido University)	316	Engineering tomato fertility restoration lines by mutagenesis and identification of fertility restoration genes ☆Kuwabara, K. I., R. Nakajima <sup>2</sup> , A. Van Bosstraeten <sup>2</sup> , K. Ezura <sup>3,4</sup> , K. Toriyama <sup>1</sup> , T. Arizumi <sup>4</sup> , K. Shirasawa <sup>5</sup> (1.Grad. Sch. Agric. Sci., Tohoku Univ., 2.Grad. Sch. Sci. and Tech., Univ. Tsukuba, 3.JIRCAS, 4.Fac. Life Env. Sci., Univ. Tsukuba, 5.Kazusa DNA Res. Inst.)	416	Tissue-specific regulation of strigolactone biosynthesis in rice roots under phosphate starvation ☆Morishita, H. I., K. Sumi <sup>1</sup> , R. Sugita <sup>2</sup> , T. Suzuki <sup>3</sup> , T. Izawa <sup>4</sup> , K. Yoneyama <sup>5</sup> , T. Yamauchi <sup>6</sup> (1.Grad. Sch. Bioagr. Sci., Nagoya Univ., 2.Radioisotope Res. Center, Nagoya Univ., 3.Grad. Sch. Biosci. Biotech., Chubu Univ., 4.Grad. Sch. Agric. Life Sci., Univ. Tokyo., 5.Res. Dev. Bureau, Saitama Univ., 6.Biosci. Biotech. Center, Nagoya Univ.)	516	Effect of loci related to total soluble solids in the Japanese netted melon and their origin ☆Yamanaka, M. I., N. Sato <sup>1</sup> , G. Shigita <sup>2,3</sup> , M. Okuma <sup>4</sup> , R. Ishikawa <sup>1</sup> , H. Nishida <sup>4</sup> , K. Kato <sup>4</sup> , K. Tanaka <sup>1</sup> (1.Fac. Agr. Life Sci., Hiroasaki Univ., 2.Tech. Univ. Munich, 3.Life Environ. Sci., Univ. Tsukuba, 4.Grad. Sch. Environ. Life Nat. Sci. Tech., Okayama Univ.)	616	Canceled	14:15

