

研究発表

Publications

Experimental Animal Division

Journals in English or non-Japanese (Peer reviewed)

Aoki H, Kaneko A, Kajita A, Yamagata Y, Ike F, Kase H, "An On-Site Serology Monitoring System for Laboratory Mice Using a Multiplex Microfluidic Chip Fabricated by the Electropray Deposition Method." *J Chem Eng Jap.* Vol.45: 528-538 (2012)

Cao L. Q., Kobayakawa S., Yoshiki A., Abe K, "High Resolution Intravital Imaging of Subcellular Structures of Mouse Abdominal Organs Using a Microstage Device." *Plos One* Vol.7, e33876 (2012)

Sugimoto M, Kondo M, Hirose M, Suzuki M, Mekada K, Abe T, Kiyonari H, Ogura A, Takagi N, Artzt K, Abe K, "Molecular identification of t(w5): Vps52 promotes pluripotential cell differentiation through cell-cell interactions." *Cell Rep* Vol.2:1363-1374 (2012)

Hatano S, Kimata K, Hiraiwa N, Kusakabe M, Isogai Z, Adachi E, Shinomura T, Watanabe H, "Versican/Pg-M is essential for ventricular septal formation subsequent to cardiac atrioventricular cushion development." *Glycobiology* Vol.22:1268-1277 (2012)

Mochida K., Hasegawa A., Li M. W., Fray M. D., Kito S., Vallelunga J. M., Lloyd K. C., Yoshiki A., Obata Y., Ogura A, "High osmolality vitrification: a new method for the simple and temperature-permissive cryopreservation of mouse embryos." *Plos One* Vol.8, e49316 (2013)

Hanaki K, Ike F, Hatakeyama R, Hirano N, "Reverse transcription-loop-mediated isothermal amplification for the detection of rodent coronaviruses." *J Virol Methods* Vol.187 222-227 (2013)

International Conferences (Invited)

Ike F, "Emerging microbiological contamination and its detection techniques in mice; Information from the quarantine at a mouse bank" 2012 KALAS International Symposium, Buyeo Korea, August, 2012

Yoshiki A, "Knockout mouse production at RIKEN BRC and

relevant mouse resources in Asia" *Infrafrontier / IMPC Korea Meeting*, Jeju Island Korea, September, 2012

Yoshiki A, "Current mouse resources for cutting edge biomedical studies" *DASAN Conference for Mouse Phenogenomics 2012*, Jeju Island Korea, September, 2012

Ike F, "Microbiological Status of Japanese Mouse Colony: From RIKEN BRC monitoring results" *5th AFLAS Congress*, Bangkok Thailand, October, 2012

International Conferences (Participant): 1

Domestic Conferences (Invited)

Yoshiki A, "Production of knockout mice for IMPC at RIKEN BRC" *IMPC International Symposium in Tokyo*, Tokyo, September, 2012

Yoshiki A, "Expansion of the next generation mouse resources based on the genome information" *The National Bioresource Project (NBRP) Symposium -The 3rd Phase challenge-* Tokyo, November, 2012

Yoshiki A, "The mouse resources around the world and their utilization" *The 1st KPUM Life Science Conference* Kyoto, December, 2012

Domestic Conferences (Participants): 20

Experimental Plant Division

Journals in English or non-Japanese (Peer reviewed)

Seo S, Gomi K, Kaku H, Abe H, Seto H, Nakatsu S, Neya M, Kobayashi M, Nakaho K, Ichinose Y, Mitsuhara I, Ohashi Y, "Identification of natural diterpenes that inhibit bacterial wilt disease in tobacco, tomato and Arabidopsis" *Plant Cell Physiol* Vol.53 1432-1444 (2012)

Marzougui S, Sugimoto K, Yamanouchi U, Shimono M, Hoshino T, Hori K, Kobayashi M, Ishiyama K, Yano M, "Mapping and characterization of seed dormancy QTLs using chromosome segment substitution lines in rice" *Theor Appl Gene* Vol.124 893-902 (2012)

International Conferences (Participant): 7

Domestic Conferences (Invited)

Kobayashi M, "Biochemical and molecular studies on the metabolism and signal transduction of gibberellin and establishment of bio-resources for the research on plant growth regulation" *Regulation of Plant Growth & Development* Vol.47 Yamagata, October, 2012

Iuchi S, "The current state and development policy of research materials of the wild-type Arabidopsis and the Arabidopsis closely related species in RIKEN BRC." *The 54th Annual Meeting of The Japanese Society of Plant Physiologists*, Okayama, March, 2013

Domestic Conferences (Participants): 29

Cell Engineering Division

Journals in English or non-Japanese (Peer reviewed)

Nagano Y, Matsui H, Tamura M, Shimokawa O, Nakamura Y, Kaneko T, Hyodo I. "NSAIDs and acidic environment induce gastric mucosal cellular mitochondrial dysfunction." *Digestion* Vol.85, 131-135 (2012)

Nagano Y, Matsui H, Shimokawa O, Hirayama A, Tamura M, Nakamura Y, Kaneko T, Rai K, Indo HP, Majima HJ, Hyodo I. "Rebamipide attenuates nonsteroidal anti-inflammatory drugs (NSAID) induced lipid peroxidation by the manganese superoxide dismutase (MnSOD) overexpression in gastrointestinal epithelial cells." *J Physiol Pharmacol* Vol.63, 137-142 (2012)

Danjoh I, Sone H, Shiota R, Hiroshima T, Nakamura Y. "Development of a robust method for establishing B cell lines using Epstein-Barr Virus." *In Vitro Cell Dev Biol-Animal* Vol.48, 393-402 (2012)

Hayashi N, Monzen S, Ito K, Fujioka T, Nakamura Y, Kashiwakura I. "Effects of ionizing radiation on proliferation and differentiation of mouse induced pluripotent stem cells." *J Radiat Res* Vol.53, 195-201 (2012)

Ono M, Hamada Y, Horiuchi Y, Matsuo-Takasaki M, Imoto Y, Satomi K, Arinami T, Hasegawa M, Fujioka T, Nakamura Y, Noguchi, E. "Generation of induced pluripotent stem cells from human nasal epithelial cells using a sendai virus vector." *PLoS One* Vol.7, e42855 (2012)

Nagano Y, Matsui H, Shimokawa O, Hirayama A, Nakamura Y, Tamura M, Rai K, Kaneko T, Hyodo I. "Bisphosphonate-induced gastrointestinal mucosal injury is mediated by mitochondrial superoxide production and lipid peroxidation." *J Clin Biochem Nutr* Vol.51, 196-203 (2012)

Hayashi R, Ishikawa Y, Ito M, Kageyama T, Takashiba K, Fujioka T, Tsujikawa M, Miyoshi H, Yamato M, Nakamura Y, Nishida K. "Generation of corneal epithelial cells from induced pluripotent stem cells derived from human dermal fibroblast and corneal limbal epithelium." *PLoS ONE* Vol.7, e45435 (2012)

Masters JR, Alston-Roberts C, Barrett T, Burnett EC, Cooper JR, Dirks WG, Freshney RI, Healy L, Kerrigan L, Kohara A, Korch C, MacLeod RAF, Nakamura Y, Nims RW, Reid YA, Storts DR, Capes-Davis A. "End the scandal of false cell lines." *Nature* Vol.492, 186 (2012)

Danjoh I, Shiota R, Hiroshima T, Nakamura Y. "Dominant expansion of a cryptic subclone with an abnormal karyotype in B lymphoblastoid cell lines during culture. *Cytogen.*" *Genome Res* Vol.139, 88-96 (2013)

Fujitani N, Furukawa J, Araki K, Fujioka T, Takegawa Y, Piao J, Nishioka T, Tamura T, Nikaido T, Ito M, Nakamura Y, Shinohara Y. "Total cellular glycomics allows characterizing cells and streamlining the discovery process for cellular biomarkers." *Proc Natl Acad Sci USA* Vol.110, 2105-2110 (2013)

Capes-Davis, A., Reid, Y.A., Kline, M.C., Storts, D.R., Strauss, E., Dirks, W.G., Drexler, H.G., MacLeod, R.A.F., Sykes, G., Kohara, A., Nakamura, Y., Elmore, E., Nims, R.W., Alston-Roberts, C., Barallon, R., Los, G.V., Nardone, R.M., Price, P.J., Steuer, A., Thomson, J., Masters, J.R.W., and Kerrigan, L. Match criteria for human cell line authentication: Where do we draw the line? *Int. J. Cancer* (in press)

Kurita R, Suda N, Sudo K, Miharada K, Hiroshima T, Miyoshi H, Tani K, Nakamura Y. "Establishment of immortalized human erythroid progenitor cell lines able to produce enucleated red blood cells." *PLoS ONE* Vol.8, e59890 (2013)

International Conferences (Invited)

Nakamura Y. "Establishment of immortalized human erythroid progenitor cell lines able to produce enucleated red blood cells." *32nd International Congress of the ISBT*, Cancun, Mexico, July, 2012

Nakamura Y. "Collection of human cell lines as one of the biobanks." *4th ANRRC (Annual meeting of Asian Network for Research Resource Centers)*, Jeju Island, Korea, October, 2012

International Conferences (Participant): 1

Domestic Conferences (Participants): 8

Gene Engineering Division

Journals in English or non-Japanese (Peer reviewed)

Inagawa K, Miyamoto K, Yamakawa H, Muraoka N, Sadahiro T, Umei T, Wada R, Katsumata Y, Kaneda R, Nakade K, Kurihara C, Obata Y, Miyake K, Fukuda K, Ieda M, "Induction of cardiomyocyte-like cells in infarct hearts by gene transfer of Gata4, Mef2c, and Tbx5" *Circ Res* Vol.111 1147-1156 (2012)

International Conferences (Participant): 1

Domestic Conferences (Participants): 7

Microbe Division

Journals in English or non-Japanese (Peer reviewed)

Tohno M, Kobayashi H, Nomura M, Kitahara M, Ohkuma M, Uegaki R, Cai Y, "Genotypic and phenotypic characterization of lactic acid bacteria isolated from Italian ryegrass silage" *Anim Sci J* Vol.83 111-120 (2012)

Saksinchai S, Suzuki M, Lumyong S, Ohkuma M, Chantawannakul P, "Two new species of the genus *Candida* in the *Zygoascus* clade, *Candida lundiana* sp. nov. and *Candida suthpensis* sp. nov., isolated from raw honey in Thailand" *Antonie van Leeuwenhoek* Vol.101 633-640 (2012)

Mori K, Iino T, Suzuki K, Yamaguchi K, Kamagata Y, "Aceticlastic and NaCl-requiring methanogen "*Methanosaeta pelagica*" sp. nov., isolated from marine tidal flat sediment" *Appl Environ Microbiol* Vol.78 3416-3423 (2012)

Miyakoshi M, Shintani M, Inoue K, Terabayashi T, Sai F, Ohkuma M, Nojiri H, Nagata Y, Tsuda M, "ParI, an orphan ParA family protein from *Pseudomonas putida* KT2440-specific genomic island, interferes with the partition system of IncP-7 plasmids" *Environ Microbiol* Vol.14 2946-2959 (2012)

Kato S, Nakawake M, Ohkuma M, Yamagishi A, "Unexpected diversity of putative chemolithoautotrophs in a deep-sea hydrothermal field revealed by novel PCR primers targeting *cbhM* genes encoding RubisCO form II" *Extremophiles* Vol.16 277-283 (2012)

Liu Z, Frigaard N-U, Vogl K, Iino T, Ohkuma M, Overmann J, Bryant DA, "Complete genome of *Ignavibacterium album*, a metabolically versatile, flagellated, facultative anaerobe from the phylum Chlorobi" *Front Microbiol* Vol.3 185 (2012)

Kato S, Nakamura K, Toki T, Ishibashi J, Tsunogai U, Hirota A, Ohkuma M, Yamagishi A, "Iron-based microbial ecosystem on and below seafloor: a case study of hydrothermal fields of the Southern Mariana Trough" *Frontiers Microbiol Chem* Vol.3 89 (2012)

Kato S, Kikuchi S, Kashiwabara T, Takahashi Y, Suzuki K, Itoh T, Ohkuma M, Yamagishi A, "Prokaryotic abundance and community composition in a freshwater iron-rich microbial mat at circumneutral pH" *Geomicrobiology J* Vol.29 896-905 (2012)

An K-D, Degawa Y, Fujihara E, Mikawa T, Ohkuma M, Okada G, "Molecular phylogenetic analyses based on the nuclear rRNA genes and the intron-exon structures of the nuSSU rRNA gene in *Dictyocatenulata alba* (anamorphic Ascomycota)" *Fungal Biol* Vol.116 1134-1145 (2012)

Mori K, Iino T, Ishibashi J, Kimura H, Hamada M, Suzuki K, "*Meiothermus hypogaeus* sp. nov., a moderately thermophilic bacterium isolated from a hot spring" *Int J Syst Evol Microbiol* Vol.62 112-117 (2012)

Cai Y, Pang H, Kitahara M, Ohkuma M, "*Lactobacillus nasuensis* sp. nov., a lactic acid bacterium isolated from silage, and emended description of the genus *Lactobacillus*" *Int J Syst Evol Microbiol* Vol.62 1140-1144 (2012)

Kitahara M, Sakamoto M, Tsuchida S, Kawasumi K, Amao H, Benno Y, Ohkuma M, "*Bacteroides stercorisoris* sp. nov. and *Bacteroides faecichinchillae* sp. nov., isolated from chinchilla (*Chinchilla lanigera*) faeces" *Int J Syst Evol Microbiol* Vol.62 1145-1150 (2012)

Sakamoto M, Ohkuma M, "*Bacteroides sartorii* is an earlier heterotypic synonym of *Bacteroides chinchillae* and has priority" *Int J Syst Evol Microbiol* Vol.62 1241-1244 (2012)

Iino T, Suzuki R, Tanaka N, Kosako Y, Ohkuma M, Komagata K, Uchimura T, "*Gluconacetobacter kakiaceti* sp. nov., an acetic acid bacterium isolated from a traditional Japanese fruit vinegar" *Int J Syst Evol Microbiol* Vol.62 1465-1469 (2012)

Thawai C, Kudo T, "*Promicromonospora thailandica* sp. nov., isolated from marine sediment" *Int J Syst Evol Microbiol* Vol.62 2140-2144 (2012)

Pang H, Qin G, Kitahara M, Ohkuma M, Y Cai Y, "Reclassification of *Lactobacillus kimchii* and *Lactobacillus bobalius* as later subjective synonyms of *Lactobacillus paralimentarius*" *Int J Syst Evol Microbiol* Vol.62 2383-2387 (2012)

Jabari L, Gannoun H, Cayol J-L, Hedi A, Sakamoto M, Falsen E, Ohkuma M, Hamdi M, Fauque G, Ollivier B, Fardeau M-L, "*Macelibacteroides fermentans* gen nov, sp. nov., a member of the family *Porphyromonadaceae* isolated from an upflow anaerobic filter treating abattoir wastewaters" *Int J Syst Evol Microbiol* Vol.62 2522-2527 (2012)

Sakamoto M, Ohkuma M, "Reclassification of *Xylanibacter oryzae* Ueki et al 2006 as *Prevotella oryzae* comb nov, with an emended description of the genus *Prevotella*" *Int J Syst Evol Microbiol* Vol.62 2637-2642 (2012)

Iino T, Suzuki R, Kosako Y, Ohkuma M, Komagata K, Uchimura T, "*Acetobacter okinawensis* sp. nov., *Acetobacter papayae* sp. nov., and *Acetobacter persicus* sp. nov.; novel acetic acid bacteria isolated from stems of sugarcane, fruits, and a flower in Japan" *J Gen Appl Microbiol* Vol.58 235-243 (2012)

Hamana K, Itoh T, Sakamoto M, Hayashi H, "Covalently linked polyamines in the cell wall peptidoglycan of the anaerobes belonging to the order *Selenomonadales*" *J Gen Appl Microbiol* Vol.58 339-347 (2012)

Thong-On A, Suzuki K, Noda S, Inoue J, Kajiwara S, Ohkuma M, "Isolation and characterization of anaerobic bacteria for symbiotic recycling of uric acid nitrogen in the gut of various termites" *Microbes Environ* Vol.27 186-192 (2012)

Takashima M, Sugita T, Van BH, Nakamura M, Ohkuma M, "Taxonomic richness of yeasts in Japan between subtropical and cool temperate areas" *PLoS ONE* Vol.7 e50784 (2012)

Schoch CL, Seifert KA, Huhndorf S, Robert V, Spouge JL, Levesque CA, Chen W, Fungal Barcoding Consortium, "Nuclear ribosomal internal transcribed spacer (ITS) region as a universal DNA barcode marker

for *Fungi*" *Proc Natl Acad Sci USA* Vol.109 6241-6246 (2012)

Katano Y, Fujinami S, Kawakoshi A, Nakazawa H, Oji S, Iino T, Oguchi A, Ankai A, Fukui S, Terui Y, Kamata S, Harada T, Tanikawa S, Suzuki K, Fujita N, "Complete genome sequence of *Oscillibacter valericigenes* Sjm18-20^T (=NBRC 101213^T)" *Stand Genomic Sci* Vol.6 406-414 (2012)

Sato H, Torimura M, Kitahara M, M Ohkuma M, Hotta Y, Tamura H, "Characterization of the *Lactobacillus casei* group based on the profiling of ribosomal proteins coded in *S10-spc-alpha* operons as observed by MALDI-TOFMS" *System Appl Microbiol* Vol.35 447-454 (2012)

Sakamoto M, Ohkuma M, "*Porphyromonas crevioricanis* is an earlier heterotypic synonym of *Porphyromonas cansulci* and has priority" *Int J Syst Evol Microbiol* Vol.63 454-457 (2013)

Songsumanus A, Tanasupawat S, Igarashi Y, Kudo T, "*Micromonospora maritima* sp. nov., isolated from mangrove soil" *Int J Syst Evol Microbiol* Vol.63 554-559 (2013)

Supong K, Suriyachadkun C, Tanasupawat S, Suwanborirux K, Pittayakhajonwut P, Kudo T, Thawai C, "*Micromonospora sediminicola* sp. nov., isolated from marine sediment" *Int J Syst Evol Microbiol* Vol.63 570-575 (2013)

Sakamoto M, Ohkuma M, "*Bacteroides reticulotermitis* sp. nov., isolated from the gut of a subterranean termite (*Reticulitermes speratus*)" *Int J Syst Evol Microbiol* Vol.63 691-695 (2013)

Koyanagi T, Sakamoto M, Takeuchi Y, Maruyama N, Ohkuma M, Izumi Y, "Comprehensive microbiological findings in peri-implantitis and periodontitis" *J Clin Periodontol* Vol.40 218-226 (2013)

Shintani M, Li MY, Matsui K, Ohkuma M, Okada K, Nojiri H, "Comparisons of conjugation frequency in different environmental conditions" *J Environ Biotechnol* Vol.12 163-167 (2012)

Yarza P, Spröer C, Swiderski J, Mrotzek N, Spring S, Tindall BJ, Gronow S, Pukall R, Klenk HP, Lang E, Verburg S, Crouch A, Lilburn T, Beck B, Unosson C, Cardew S, Moore ER, Gomila M, Nakagawa Y, Janssens

D, De Vos P, Peiren J, Suttels T, Clermont D, Bizet C, Sakamoto M, Iida T, Kudo T, Kosako Y, Oshida Y, Ohkuma M, R Arahall D, Spieck E, Pommerening Roeser A, Figge M, Park D, Buchanan P, Cifuentes A, Munoz R, Euzéby JP, Schleifer KH, Ludwig W, Amann R, Glöckner FO, Rosselló-Móra R, “Sequencing orphan species initiative (SOS): Filling the gaps in the 16S rRNA gene sequence database for all species with validly published names” *Syst Appl Microbiol* Vol.36 69-73 (2013)

International Conferences (Invited)

Ohkuma M, “Recent activities of JCM to contribute to scientific community” The Second Symposium of WFCC-MIRCEN World Data Center for Microorganisms (WDCM) Beijing China, June, 2012

Endo R, Takashima M, Ohkuma M, “Current Status and Future Prospects of the Japan Collection of Microorganisms” The 13th International Congress on Yeasts Madison USA, August, 2012

Takashima M, Manabe R, Sugawara H, Ohyama A, Ohkuma M, Sugita T, “Phylogeny in the order Trichosporonales based on genome sequence data” The 13th International Congress on Yeasts Madison USA, August, 2012

Ohkuma M, “RIKEN BRC-JCM: contribution to scientific community” The 4th ANRRC (Asian Network of Research Resource Centers) International Meeting Jeju Korea, October, 2012

Kudo T, “Japan Collection of Microorganisms, RIKEN BioResource Center” The 9th Asian Consortium for the Conservation and Sustainable Utilization of Microbial Resources: Value Added Culture Collection Chiang Mai Thailand, October, 2012

International Conferences (Participant): 7

Domestic Conferences (Invited)

Okada G, “Recent big changes on the fungal nomenclature” The 3rd Symposium of the Meeting for Industrial Non-Conventional Yeasts (MINCY) Tokyo, May, 2012

Okada G, “Basis on the naming of fungi and the recent big changes on the fungal nomenclature” The 36th Meeting of the Hokuriku Shinkin Kondankai Kanazawa, July, 2012

Iino T, “Isolation an iron-corroding nitrate-reducing bacterium and the evaluation of iron corroding ability” The 176th Symposium: Microbiologically Influenced Corrosion

Kanagawa, July, 2012

Itoh T, “Prokaryotic species and phylogeny: Views from a microbial systematist” 14th Annual Meeting of the Society of Evolutionary Studies, Japan Hachioji, August, 2012

Okada G, “Major changes on the International Code of Nomenclature for algae, fungi, and plants (Melbourne Code) 2011: focusing on the unified nomenclature of fungi (Art. 59)” Meeting of the Kanto Division of the Phytopathological Society of Japan Tokyo, September, 2012

Itoh T, “Microbial culture collections and the ABS support” Symposium on Access and Benefit Sharing for Academic Research, as a part of Tenth anniversary celebrations, Intellectual Property Association of Japan, Tokyo, February, 2013

Domestic Conferences (Participants): 23

Bioresource Information Division

Domestic Conferences (Participants): 3

Bioresource Engineering Division

Journals in English or non-Japanese (Peer reviewed)

Oikawa M, Matoba S, Inoue K, Kamimura S, Hirose M, Ogonuki N, Shiura H, Sugimoto M, Abe K, Ishino F, Ogura A, “RNAi-mediated knockdown of Xist does not rescue the impaired development of female cloned mouse embryos” *J Reprod Dev* (in press)

Sugimoto M, Kondo M, Hirose M, Suzuki M, Mekada K, Abe T, Kiyonari H, Ogura A, Takagi N, Artzt K, Abe K, “Molecular identification of t(w5): Vps52 promotes pluripotential cell differentiation through cell-cell interactions” *Cell Rep* Vol.2 1363-1374 (2012)

Mizutani E, Ogura A, Wakayama T, “Nuclear transfer in the mouse oocyte” *Methods Mol Biol* Vol.957 285-300 (2012)

Mochida K, Hasegawa A, Li M-W, Fray MD, Kito S, Vallelunga JM, Lloyd KCK, Yoshiki A, Obata Y, Ogura A, “High osmolality vitrification: A new method for the simple and temperature-permissive cryopreservation of mouse embryos” *PLoS One* Vol.8 e49316 (2013)

Kanatsu-Shinohara M, Inoue K, Takashima S, Takehashi M, Ogonuki N, Morimoto H, Nagasawa T, Ogura A, Takashi Shinohara, “Reconstitution of mouse spermatogonial stem cell niches in culture” *Cell Stem Cell* Vol.11 567-578 (2012)

Sato T, Yokonishi T, Komeya M, Katagiri K, Kubota Y, Matoba S, Ogonuki N, Ogura A, Yoshida S, Ogawa T, “Testis tissue explantation cures spermatogenic failure in c-Kit ligand mutant mice” *Proc Natl Acad Sci USA* Vol.109 16934-16938 (2012)

Jin B, Mochida K, Ogura A, Koshimoto C, Matsukawa K, Kasai M, Edashige K, “Equilibrium vitrification of mouse embryos at various developmental stages” *Mol Reprod Dev* Vol.79 785-794 (2012)

Ogura A, Inoue K, Wakayama T, “Recent advancements in cloning by somatic cell nuclear transfer” *Philos Trans R Soc Lond B Biol Sci* Vol.368 20110329 (2012)

Nakamura T, Liu Y-J, Nakashima H, Umehara H, Inoue K, Matoba S, Tachibana M, Ogura A, Shinkai Y, Nakano T, “PGC7 binds histone H3K9me2 to protect against conversion of 5mC to 5hmC in early embryos” *Nature* Vol.486 415-419 (2012)

Kohama C, Kato H, Numata K, Hirose M, Takemasa T, Ogura A, Kiyosawa H, “ES cell differentiation system recapitulates the establishment of imprinted gene expression in a cell-type-specific manner” *Hum Mol Genet* Vol.21 1391-1401 (2012)

International Conferences (Invited)

Ogura A, “ICSI and its practical applications” EMMA Cryopreservation Workshop Madrid Spain, May, 2012

Mochida K, Ogura A, “Transportation of frozen and unfrozen materials” EMMA cryopreservation workshop Madrid Spain, May, 2012

Ogura A, “X-chromosome inactivation status in cloned mouse embryos” “Epigenetic Memory” The Company of Biologists Workshop Steyning UK, June, 2012

Ogura A, “Nuclear transfer for the study of epigenetic dynamics in mammalian development” The 84th Annual Meeting of the Genetics Society of Japan Fukuoka, September, 2012

Honda A, Hirose M, Hatori M, Ogura A, “Development of ES/iPS cell research using rabbits” SRD-NIAS the 2nd Japan-Czech Joint Symposium Tokyo, September, 2012

Ogura A, Oikawa M, Inoue K, “Nuclear transfer for the study of

X chromosome inactivation in mice” *Mouse Molecular Genetics California USA*, October, 2012

Ogura A, Oikawa M, Matoba S, Inoue K, “Analysis of the dynamics of imprinted X chromosome inactivation in mice by nuclear transfer” The 9th Annual Conference of the Asian Reproductive Biotechnology Society Manila Philippine, October, 2012

International Conferences (Participant): 2

Domestic Conferences (Invited)

Honda A, “Current status of rabbit ES/iPS cell research” The 59th Annual Meeting of Japanese Association for Laboratory Animal Science 2012 Oita, May, 2012

Ogura A, “Reproductive engineering techniques at RIKEN BRC” The 8th Meeting of the Tokai Laboratory Animal Society Tsu, July, 2012

Ogura A, “Development of embryo manipulation techniques for epigenetic studies” The 30th Annual Meeting of Japan Society of Fertilization and Implantation Osaka, August, 2012

Honda A, “Multipotent stem cells in rabbits” Yamanashi University Symposium for Public Kofu, August, 2012

Honda A, “What we know from rabbit pluripotent stem cell research” The 1st Japan-Chinese Forum on Rabbit Bioscience Miyazaki, August, 2012

Ogura A, “Development-associated X-linked gene regulation revealed by nuclear transfer” The 5th Symposium of Priority Area on the Germline (MEXT Grant) Kyoto, November, 2012

Honda A, “Difference between ES cells and iPS cells established in rabbits” 2012 IMS Young Researcher Symposium Tokyo, November, 2012

Ogura A, “Reproductive engineering techniques at RIKEN BRC” Special lecture at Tokyo Metropolitan Institute of Gerontology Tokyo, January, 2013

Domestic Conferences (Participants): 12

Technology and Development Team for Mammalian Cellular Dynamics

Journals in English or non-Japanese (Peer reviewed)

Cao L, Kobayakawa S, Yoshiki A, Abe K. "High resolution intravital imaging of subcellular structures of mouse abdominal organs using a microstage device". *PLoS One* Vol.7, e33876. (2012)

Okamura D, Maeda I, Taniguchi H, Tokitake Y, Ikeda M, Ozato K, Mise N, Abe K, Noce T, Belmonte JCI, Matsui Y. "Cell-cycle gene-specific control of transcription has a critical role in proliferation of primordial germ cells" *Genes Dev* Vol.26, 2477-2482. (2012)

Sugimoto M, Kondo M, Hirose M, Suzuki M, Mekada K, Abe T, Kiyonari H, Ogura A, Takagi N, Artzt K and Abe K "Molecular identification of ^{tw5}: Vps52 promotes pluripotential cell differentiation through cell-cell interactions" *Cell Reports* Vol.2, 1363-1374. (2012)

Semba K, Araki K, Matsumoto K-I, Suda H, Ando T, Sei A, Mizuta H, Takagi K, Nakahara M, Muta M, Yamada G, Nakagata N, Iida A, Ikegawa Y, Araki M, Abe K, Yamamura K "The ectopic expression of Ptf1a induces spinal defects, urogenital defects and anorectal malformations in Danforth's short tail mice" *PLoS Genet.* Vol.9, e1003204. (2012)

Oikawa M, Matoba S, Inoue K, Kamimura S, Hirose M, Ogonuki N, Shiura H, Sugimoto M, Abe K, Ishino F, Ogura A "RNAi-mediated knockdown of Xist does not rescue the impaired development of female cloned mouse embryos" *J. Reprod. Dev.* in press. (2013)

Shiura H, Ikeda R, Lee J, Sato T, Ogonuki N, Hirose M, Ogura A, Ogawa T, Abe K "Generation of a novel germline stem cell line expressing a germline-specific reporter in the mouse" *genesis* in press. (2013)

International Conferences (Participant): 1

Domestic Conferences (Invited)

Koji Numata "Differences in allelic gene expression in intersubspecific hybrid mice" 14th Annual meeting, Society of Evolutionary Studies, Tokyo, August, 2012.

Domestic Conferences (Participants): 20

Subteam for Manipulation of Cell Fate

Journals in English or non-Japanese (Peer reviewed)

Ooe H, Chen Q, Kon J, Sasaki K, Miyoshi H, Ichinohe N, Tanimizu N, Mitaka T "Proliferation of rat small hepatocytes requires follistatin expression" *J Cell Physiol* Vol.227, 2363-2370 (2012)

Fujiwara K, Hasegawa K, Ohkumo T, Miyoshi H, Tseng YH, Yoshikawa K "Necdin controls proliferation of white adipocyte progenitor cells" *PLoS One* Vol.7, e30948 (2012)

Hashizume O, Shimizu A, Yokota M, Sugiyama A, Nakada K, Miyoshi H, Itami M, Ohira M, Nagase H, Takenaga K, Hayashi J "Specific mitochondrial DNA mutation in mice regulates diabetes and lymphoma development" *Proc Natl Acad Sci USA* Vol.109, 10528-10533 (2012)

Motoi Y, Saeki M, Nishimura T, Katayama K, Kitamura N, Ichikawa H, Miyoshi H, Kaminuma O, Hiroi T "Establishment of monoclonal antibodies against a novel eosinophil-specific cell surface molecule, major facilitator super family domain containing 10" *Immunol Lett* Vol.147, 80-84 (2012)

Yamaguchi T, Morikawa A, Miyoshi H "Comparison of gene-trapping efficiency between retroviral and lentiviral vectors in mouse embryonic stem cells" *Biochem Biophys Res Commun* Vol.425, 297-303 (2012)

Shibanuma M, Ishikawa F, Kobayashi M, Katayama K, Miyoshi H, Wakamatsu M, Mori K, Nose K "Critical roles of the cAMP-responsive element-binding protein-mediated pathway in disorganized epithelial phenotypes caused by mitochondrial dysfunction" *Cancer Sci* Vol.103, 1803-1810 (2012)

Hayashi R, Ishikawa Y, Ito M, Kageyama T, Takashiba K, Fujioka T, Tsujikawa M, Miyoshi H, Yamato M, Nakamura Y, Nishida K "Generation of corneal epithelial cells from induced pluripotent stem cells derived from human dermal fibroblast and corneal limbal epithelium" *PLoS One* Vol.7, e45435 (2012)

Demachi-Okamura A, Torikai H, Akatsuka Y, Miyoshi H, Yoshimori T, Kuzushima K "Autophagy creates a CTL epitope that mimics tumor-associated antigens" *PLoS One* Vol.7, e47126 (2012)

Domestic Conferences (Participants): 1

Technology and Development Team for Mouse Phenotype Analysis: Japan Mouse Clinic

Journals in English or non-Japanese (Peer reviewed)

Gotoh H, Hirawatari K, Hanzawa N, Miura I, Wakana S, "QTL on mouse chromosomes 1 and 4 causing sperm-head morphological abnormality and male subfertility", *Mamm Genome*, Vol.23 399-403 (2012)

International Conferences (Participant): 5

Domestic Conferences (Invited)

Wakana S, "Mouse functional analysis of whole genome in mice and Mouse Clinic -Trends in standardization of mouse phenotyping-" 12th MBSJ Spring Symposium, in Yamanashi isawa, April, 2012

Wakana S, "Mouse functional analysis of whole genome in mice and Mouse Clinic -Trends in standardization of mouse phenotyping-" 63rd Japan Society of Nutrition and Food Science Chubu Branch Meeting Nagoya, July, 2012

Wakana S, "Trends in standardized mouse phenotyping platform and Japan mouse clinic" 39th Annual Meeting of the Japanese Society of Toxicology Sendai, July, 2012

Wakana S, "Mouse functional analysis of whole genome in mice and Mouse Clinic -Standardization of mouse phenotyping and IMPC-" 36th Aso Symposium Aso, August, 2012

Wakana S, "Gene expression of neonate in mice by the maternal malnutrition" 83rd Annual Meeting of the Japanese Society for Hygiene Kanazawa, March, 2013

Wakana S, "Mouse functional analysis of whole genome in mice and Mouse Clinic -Standardization of mouse phenotyping and IMPC-" 155th Meetin of the Japanese Society of Veterinary Science Tokyo, March, 2013

Domestic Conferences (Participants): 23

Team for Advanced Development and Evaluation of Human Disease Models

Domestic Conferences (Participants): 1

Mutagenesis and Genomics Team

Journals in English or non-Japanese (Peer reviewed)

Law KK, Makino S, Mo R, Zhang X, Puviindran V, Hui CC, "Antagonistic and cooperative actions of Kif7 and sufu define graded intracellular Gli activities in hedgehog signaling." *PLoS One* Vo.7 e50193-1-e50193-8 (2012)

International Conferences (Invited)

Gondo Y, "Deep mouse exome sequencing provides positive and negative control dataset for the NGS pipeline for variant detection." 14th MAQC/SEQC Project Meeting: Advancing Translational and Regulatory Sciences for Personalized Medicine Washington DC USA, May, 2012

Gondo Y, "ENU mutagenesis in the mouse and next-generation sequencing." FDA/NCTR Seminar Jefferson USA, May, 2012

Gondo Y, "Feasibility study of genomewide quantitative trait analysis based on ENU mutant mouse library and deep exome sequencing." (selected for oral presentation) Complex Trait Community 11th Annual Meeting (CTC2012) Paris, France, May, 2012

Gondo Y, "Exome target enrichment kit for NGS of a model organism, mouse: Assessment of NGS analysis pipelines by bona fide reference sequence and positive control dataset." 2nd Next Generation Sequencing Asia Congress 2012 Singapore Singapore, October, 2012

Murata T, Toki H, Ishitsuka Y, Kaneda H, Makino S, Fukumura R, Wakana S, Noda T, Gondo Y, "Epithelial Organizations were defected during seminal vesicle and vaginal formation in a new *Cttnb1* infertile model mouse." (selected for oral presentation) 26th International Mammalian Genome Conference (IMGC2012) St. Pete Beach USA, October, 2012

Gondo Y, "High-resolution detection of germline single nucleotide variations in the mouse by next-generation re-sequencing." International Workshop: RERF Radiation Research in the Post-genomic Era Hiroshima, March, 2013

International Conferences (Participant): 1

Domestic Conferences (Invited)

Gondo Y, "New utility of RIKEN mutant mouse library: Development and availability of complex disease models by using NGS" 4th RCAI-CGM Joint Seminar Yokohama, May, 2012

Makino S, Murata T, Ishitsuka Y, Kotaki H, Fukumura R, Hui CC, Gondo Y, "Analysis of Gli3 transcriptional repressor by using *Sufu* point mutation in the mouse." (selected for oral presentation) 26th Molossinus Colloquium Tokyo, June, 2012

Murata T, Toki H, Ishitsuka Y, Makino S, Fukumura R, Noda T, Gondo Y, "Abnormalities of epithelium in seminal vesicle found in the β -catenin C429S amino-acid-substitution mutant mouse." (selected for oral presentation) 26th Molossinus Colloquium Tokyo, June, 2012

Ohno M, Sakumi K, Fukumura R, Gondo Y, Tsuzuki T, Nakabeppu Y, "Knockout mice lacking repair enzymes for 8-oxo-guanin exhibit an increase of mutation rate in the genome of germline cells and heritable mutant traits." 84th Annual Meeting of the Genetics Society of Japan Fukuoka, September, 2012

Murata T, Fukumura R, Makino S, Gondo Y, "Complex traits and ENU mutagenesis: From reverse genetics to forward genetics. New Stream of Mouse Forward Genetics - Mouse Genetics of Common diseases (complex traits) Mishima, December, 2012

Gondo Y, "Next-generation sequencing and its issues for the SNV/SNP detection: Availability of RIKEN ENU mutant mouse library." 30th Biomedical Science Seminar Fukuoka, February, 2013

Domestic Conferences (Participants): 13

Technology and Development Unit for Knowledge Base of Mouse Phenotype

Journals in English or non-Japanese (Peer reviewed)

Masuya H "Roles and applications of biomedical ontologies in Experimental Animal Science", *Exp Anim*, Vol.61 365-373 (2012)

International Conferences (Invited)

Masuya H, "Development of information technologies for the integration of mouse phenotype data" Infrafrontier/IMPC Korea Meeting Jeju Korea, September, 2012

International Conferences (Participants): 7

Domestic Conferences (Invited)

Masuya H, "Studies toward the integration of mouse phenotype information" 26th Molossinus colloquim, Tokyo, June, 2013

Masuya H, "Integrated database composed referring upper-middle-level ontology" Database Center of Life Science Seminar, Tokyo, February, 2013

Domestic Conferences (Participants): 13

Ishii Research Collaborative Group

Journals in English or non-Japanese (Peer reviewed)

Kanei-Ishii C, Nomura T, Egoh A, Ishii S, "Fbxw5 suppresses nuclear c-Myb activity via DDB1-Cul4-Rbx1 ligase-mediated sumoylation" *Biochem Biophys Res Commun* Vol.426, 59-64 (2012)

Seong KH, Ishii S, "Su(fu) switches Rdx functions to fine-tune hedgehog signaling in the *Drosophila* wing disk" *Genes Cells* Vol.18, 66-78 (2013)

Domestic Conferences (Invited)

Ishii S, "Role of ATF-2 family transcription factors in inheritance of epigenetic change induced by stress" Joint Meeting of the 45th JSDB (Japanese Society of Developmental Biologists) & the 64th JSCB (Japan Society of Cell Biology) Kobe, May, 2012

Ishii S, "Inheritance of stress-induced epigenome change" The 85th annual meeting of the Japanese Biochemical Society Fukuoka, December, 2012

Domestic Conferences (Participant): 4

Shinozaki Research Collaborative Group

Journals in English or non-Japanese (Peer reviewed)

Utsumi Y, Tanaka M, Morosawa T, Kurotani A, Yoshida T, Mochida K, Matsui A, Umemura Y, Ishitani M, Shinozaki K, Sakurai T, Seki

M, "Transcriptome analysis using a high-density oligomicroarray under drought stress in various genotypes of cassava: an important tropical crop" *DNA Res* Vol.19, 335-345 (2012)

Todaka D, Nakashima K, Maruyama K, Kidokoro S, Osakabe Y, Ito Y, Matsukura S, Fujita Y, Yoshiwara K, Ohme-Takagi M, Kojima M, Sakakibara H, Shinozaki K, Yamaguchi-Shinozaki K, "Rice phytochrome-interacting factor-like protein OsPIL1 functions as a key regulator of internode elongation and induces a morphological response to drought stress" *Proc Natl Acad Sci U S A* Vol.109, 15947-15952 (2012)

Tanaka H, Osakabe Y, Katsura S, Mizuno S, Maruyama K, Kusakabe K, Mizoi J, Shinozaki K, Yamaguchi-Shinozaki K, "Abiotic stress-inducible receptor-like kinases negatively control ABA signaling in *Arabidopsis*" *Plant J* Vol.70, 599-613 (2012)

Takahashi H, Ozawa A, Nemoto K, Nozawa A, Seki M, Shinozaki K, Takeda H, Endo Y, Sawasaki T, "Genome-wide biochemical analysis of *Arabidopsis* protein phosphatase using a wheat cell-free system" *FEBS Lett* Vol.586, 3134-3141 (2012)

Osakabe Y, Kawaoka A, Nishikubo N, Osakabe K, "Responses to environmental stresses in woody plants: key to survive and longevity" *J Plant Res* Vol.125, 1-10 (2012)

Nishiyama R, Le D T, Watanabe Y, Matsui A, Tanaka M, Seki M, Yamaguchi-Shinozaki K, Shinozaki K, Tran L S, "Transcriptome analyses of a salt-tolerant cytokinin-deficient mutant reveal differential regulation of salt stress response by cytokinin deficiency" *PLoS one* Vol.7, e32124 (2012)

Murayama M, Hayashi S, Nishimura N, Ishide M, Kobayashi K, Yagi Y, Asami T, Nakamura T, Shinozaki K, Hirayama T, "Isolation of *Arabidopsis ahg11*, a weak ABA hypersensitive mutant defective in *nad4* RNA editing" *J Exp Bot* Vol.63, 5301-5310 (2012)

Le D T, Nishiyama R, Watanabe Y, Vankova R, Tanaka M, Seki M, Ham le H, Yamaguchi-Shinozaki K, Shinozaki K, Tran L S, "Identification and expression analysis of cytokinin metabolic genes in soybean under normal and drought conditions in relation to cytokinin levels" *PLoS one* Vol.7, e42411 (2012)

Le D T, Nishiyama R, Watanabe Y, Tanaka M, Seki M, Ham le H, Yamaguchi-Shinozaki K, Shinozaki K, Tran L S, "Differential Gene Expression in Soybean Leaf Tissues at Late Developmental Stages under Drought Stress Revealed by Genome-Wide Transcriptome Analysis" *PLoS one* Vol.7, e49522 (2012)

Kurusu T, Yamanaka T, Nakano M, Takiguchi A, Ogasawara Y, Hayashi T, Iida K, Hanamata S, Shinozaki K, Iida H, Kuchitsu K, "Involvement of the putative Ca^{2+} -permeable mechanosensitive

channels, NtMCA1 and NtMCA2, in Ca^{2+} uptake, Ca^{2+} -dependent cell proliferation and mechanical stress-induced gene expression in tobacco (*Nicotiana tabacum*) BY-2 cells" *J Plant Res* Vol.125, 555-568 (2012)

Kurusu T, Nishikawa D, Yamazaki Y, Gotoh M, Nakano M, Hamada H, Yamanaka T, Iida K, Nakagawa Y, Saji H, Shinozaki K, Iida H, Kuchitsu K, "Plasma membrane protein OsMCA1 is involved in regulation of hypo-osmotic shock-induced Ca^{2+} influx and modulates generation of reactive oxygen species in cultured rice cells" *BMC plant biology* Vol.12, 11 (2012)

Kurihara Y, Schmitz R J, Nery J R, Schultz M D, Okubo-Kurihara E, Morosawa T, Tanaka M, Toyoda T, Seki M, Ecker J R, "Surveillance of 3' Noncoding Transcripts Requires FIERY1 and XRN3 in *Arabidopsis*" *G3* Vol.2, 487-498 (2012)

Kim J S, Mizoi J, Kidokoro S, Maruyama K, Nakajima J, Nakashima K, Mitsuda N, Takiguchi Y, Ohme-Takagi M, Kondou Y, Yoshizumi T, Matsui M, Shinozaki K, Yamaguchi-Shinozaki K, "Arabidopsis GROWTH-REGULATING FACTOR7 Functions as a Transcriptional Repressor of Abscisic Acid- and Osmotic Stress-Responsive Genes, Including *DREB2A*" *Plant Cell* Vol.24, 3393-3405 (2012)

Kim J M, To T K, Ishida J, Matsui A, Kimura H, Seki M, "Transition of chromatin status during the process of recovery from drought stress in *Arabidopsis thaliana*" *Plant Cell Physiol* Vol.53, 847-856 (2012)

Fujita M, Fujita Y, Iuchi S, Yamada K, Kobayashi Y, Urano K, Kobayashi M, Yamaguchi-Shinozaki K, Shinozaki K, "Natural variation in a polyamine transporter determines paraquat tolerance in *Arabidopsis*" *Proc Natl Acad Sci U S A* Vol.109, 6343-6347 (2012)

Endo A, Tatematsu K, Hanada K, Duermeyer L, Okamoto M, Yonekura-Sakakibara K, Saito K, Toyoda T, Kawakami N, Kamiya Y, Seki M, Nambara E, "Tissue-specific transcriptome analysis reveals cell wall metabolism, flavonol biosynthesis and defense responses are activated in the endosperm of germinating *Arabidopsis thaliana* seeds" *Plant Cell Physiol* 53 16-27 (2012)

Sakurai T, Yamada Y, Sawada Y, Matsuda F, Akiyama K, Shinozaki K, Hirai M Y, Saito K, "PRIME update: innovative content for plant metabolomics and integration of gene expression and metabolite accumulation" *Plant Cell Physiol* in press (2013)

Osakabe Y, Arinaga N, Umezawa T, Katsura S, Nagamachi K, Tanaka H, Ohiraki H, Yamada K, Seo S U, Abo M, Yoshimura E, Shinozaki K, Yamaguchi-Shinozaki K, "Osmotic stress responses and plant growth controlled by potassium transporters in

Arabidopsis Plant Cell Vol.25, 609-024 (2013)

Myouga F, Akiyama K, Tomonaga Y, Kato A, Sato Y, Kobayashi M, Nagata N, Sakurai T, Shinozaki K, "The chloroplast function database II: a comprehensive collection of homozygous mutants and their phenotypic/genotypic traits for nuclear-encoded chloroplast proteins" Plant Cell Physiol Vol.54, e2 (2013)
<http://pcp.oxfordjournals.org/content/54/2/e2.long>

Mochida K, Yoshida T, Sakurai T, Yamaguchi-Shinozaki K, Shinozaki K, Tran L S, "TreeTFDB: an integrative database of the transcription factors from six economically important tree crops for functional predictions and comparative and functional genomics" DNA Res (2013)

Mizoi J, Ohori T, Moriwaki T, Kidokoro S, Todaka D, Maruyama K, Kusakabe K, Osakabe Y, Shinozaki K, Yamaguchi-Shinozaki K, "GmDREB2A;2, a canonical DEHYDRATION-RESPONSIVE ELEMENT-BINDING PROTEIN2-type transcription factor in soybean, is posttranslationally regulated and mediates dehydration-responsive element-dependent gene expression" Plant Physiol Vol.161, 346-361 (2013)

Higashi Y, Ohama N, Ishikawa T, Katori T, Shimura A, Kusakabe K, Yamaguchi-Shinozaki K, Ishida J, Tanaka M, Seki M, Shinozaki K, Sakata Y, Hayashi T, Taji T, "HsfA1d, a protein identified via FOX hunting using Thellungiella salsuginea cDNAs, improves heat tolerance by regulating heat stressresponsive gene expression" Mol Plant Vol.6, 411-422 (2013)

Hanada K, Higuchi-Takeuchi M, Okamoto M, Yoshizumi T, Shimizu M, Nakaminami K, Nishi R, Ohashi C, Iida K, Tanaka M, Horii Y, Kawashima M, Matsui K, Toyoda T, Shinozaki K, Seki M, Matsui M, "Small open reading frames associated with morphogenesis are hidden in plant genomes" Proc Natl Acad Sci U S A Vol.110, 2395-2400 (2013)

Asad J, Maruyama K, Todaka D, Kidokoro S, Abo M, Yoshimura E, Shinozaki K, Nakashima K, Yamaguchi-Shinozaki K, "OsTZF1, a CCCH-tandem zinc finger protein, confers delayed senescence and stress tolerance in rice by regulating stress-related genes" Plant Physiol Vol.161, 1202-1216 (2013)

International Conferences (Invited)

Seki M, Iida K, Yamaguchi K, Tanaka M, Ishida J, Morosawa T, Shigenobu S, Shinozaki K, Toyoda T, Matsui A, "Biogenesis mechanism and function of stress-inducible non-protein-coding antisense RNAs in Arabidopsis" BIT's 3rd Annual World on DNA and Genome day Xi'an, China, April 25-28, 2012

Utsumi Y, Sakurai T, Matsui M, Kuriyama T, Manabe R-i, Matsui A, Ishida J, Tanaka M, Morosawa T, Shinozaki K, Narangajavana J, Triwitayakorn K, Sojikul P, Le H H, Nguyen D V, Le T T, Tohme J, Rodriguez-Zapata F, Ayling S, Umemura Y, Ishitani M, Seki M,

"Establishment of cassava functional genomics platform and its application to molecular breeding" Second Scientific Conference of the Global Cassava Partnership for the 21st Century - GCP21-II Kampala, Uganda, June 18-22, 2012

Shinozaki K, Myouga F, Akiyama K, Motohashi R, Sakurai T, Kuromori T, Urano K, "Chloroplast functions in abiotic stress response and tolerance" SEB Annual Main Meeting 2012 Salzburg, Austria, June 29- July 2, 2012

Kuromori T, Sugimoto E, Shinozaki K, "Diverse half-size transporters of ABCG subfamily in plants" 4th FEBS Special Meeting Innsbruck, Austria, March 3-9, 2012

International Conferences (Participant): 24

Domestic Conferences (Invited)

Shinozaki K, "Changes to sustainable food and biomass productions - contribution of plant genome research-" BIO tech 2012 Tokyo, April 25-28, 2012

Tanabata T Yano M, "Development of phenotyping software -Image analysis software and Field phenotyping tool-", Agriculture, Forestry and Fisheries Research Council Secretariat (Tsukuba Office) workshop, November 13, 2012

Fujita M, Shinozaki K, "Transport of paraquat in plant is mediated by a polyamine transporter" 4th Annual Meeting of The Japanese Society of Polyamine Research Matsushima, January 24-25, 2013

Tanabata T, "High-throughput phenotyping technology for plant sciences" IDEC Yokohama Seminar, March 21, 2013

Seki M, Ishida J, Sakurai T, Shinozaki K, "Plant functional genomics using full-length cDNAs" The 54th Annual Meeting of the Japanese Society of Plant Physiologists Okayama, March 21-23, 2013

Osakabe, Y, "Site-directed mutagenesis of Arabidopsis genome" The 54th Annual Meeting of the Japanese Society of Plant Physiologists; 1st workshop on genome editing in plants "Frontiers of genome editing in plants" Okayama, March 23, 2013

Fujita M, Iuchi S, Kobayashi M, Shinozaki K, "Transport of paraquat in plant is mediated by a polyamine transporter" Annual Meeting of Japan Society for Bioscience, Biotechnology, and Agrochemistry 2013 Sendai, March 24-28, 2013

Domestic Conferences (Participant): 36



適切な運営に向けた取り組み

Initiatives for the Better Management of the RIKEN BioResource Center

