

7. Collaborative Research

2003

Theme	Contact Person	Collaborated with;
Development of novel technology for efficient cryopreservation of rat embryos	Department of Biological Systems Director, Yuichi Obata, Ph.D.	The Central Institute of Experimental Animals, Kyoji Hioki, Ph.D.
Survey of variant genes for biological functions from wild mice and their breeding	Department of Biological Systems Director, Yuichi Obata, Ph.D.	Fukuyama University, Yasunori Yamaguchi, Ph.D.
Establishment of consomic mouse strains with chromosomes of wild mouse origin	Department of Biological Systems Director, Yuichi Obata, Ph.D.	The Tokyo Metropolitan Institute of Medical Science, Choji Taya, Ph.D.
Production and preservation of wild-type Arabidopsis seeds stored in SASSC	Experimental Plant Division, Head, Masatomo Kobayashi, Ph.D.	Miyagi University of Education, Nobuharu Goto, Ph.D.
Quality evaluation of seeds produced in RIKEN BRC	Experimental Plant Division, Head, Masatomo Kobayashi, Ph.D.	Kobe University, Yoshihiro Narusaka, Ph.D.
Isolation of cDNA clones of Japanese HLA class I gene cluster and its banking	Gene Engineering Division, Head, Kazunari K. Yokoyama, Ph.D.	Aichi Cancer Center, Miki Akatsuka, Ph.D.
Establishment of animal ES cells and generation of cloned animals	Gene Engineering Division, Head, Kazunari K. Yokoyama, Ph.D.	Hokkaido Animal Research Center, Akira Minamihashi, Ph.D.

2004

Theme	Contact Person	Collaborated with;
Development of novel technology for efficient cryopreservation of rat embryos	Department of Biological Systems Director, Yuichi Obata, Ph.D.	The Central Institute of Experimental Animals, Kyoji Hioki, Ph.D.
Survey of variant genes for biological functions from wild mice and their breeding	Department of Biological Systems Director, Yuichi Obata, Ph.D.	Fukuyama University, Yasunori Yamaguchi, Ph.D.
Establishment of consomic mouse strains with chromosomes of wild mouse origin	Department of Biological Systems Director, Yuichi Obata, Ph.D.	The Tokyo Metropolitan Institute of Medical Science, Choji Taya, Ph.D.
Development of capsid mutant adenoviruses and its banking	Gene Engineering Division, Head, Kazunari K. Yokoyama, Ph.D.	Sapporo Medical University Institute of Molecular Medicine, Hirofumi Hamada, M.D., Ph.D.
Establishment of animal ES cells and generation of cloned animals	Gene Engineering Division, Head, Kazunari K. Yokoyama, Ph.D.	Hokkaido Animal Research Center, Akira Minamihashi, Ph.D.
Quality evaluation of seeds produced in RIKEN BRC	Experimental Plant Division, Head, Masatomo Kobayashi, Ph.D.	Kobe University, Yoshihiro Narusaka, Ph.D.

2003 ~ 2005

Establishment of human mesenchymal stem cell lines Collaborator	Cell Engineering Division, Head, Yukio Nakamura, Ph.D.	National Research Institute for Child Health and Development Akihiro Umezawa, M.D., Ph.D.
Establishment of mouse embryonic stem (ES) cell lines, and development of technology for efficient preservation of ES cells	Cell Engineering Division, Head, Yukio Nakamura, Ph.D.	Ishiwata Obstetrics and Gynecology Hospital, Isamu Ishiwata, M.D., Ph.D.

2005

Theme	Contact Person	Collaborated with;
Development of resources and technologies on Brassicaceae crops	Experimental Plant Division, Head, Masatomo Kobayashi, Ph.D.	Tokyo Gakugei University, Yoshihiro Narusaka, Ph.D.
Development of capsid mutant adenoviruses and its banking	Gene Engineering Division, Head, Kazunari K. Yokoyama, Ph.D.	Sapporo Medical University Institute of Molecular Medicine Hirofumi Hamada, M.D., Ph.D.
Establishment of animal ES cells and generation of cloned animals	Gene Engineering Division, Head, Kazunari K. Yokoyama, Ph.D.	Hokkaido Animal Research Center, Akira Minamihashi, Ph.D.

8. Joint Research with the Private Sector

2003

Theme	Contact Person	Collaborated with;
Utilization of frozen cells in tissue culture plates	Department of Biological Systems Director, Yuichi Obata, Ph.D.	Cell-Medicine, Inc. (CMI) Tadao Ohno, Ph.D.
Research and development of microbiological monitoring system	Experimental Animal Division, Senior Research Scientist, Fumio Ike, Ph.D.	Central Institute of Animals, ICLAS Monitoring Center Toshio Itoh, D.V.M., Ph.D.
Analysis of metabolome in transgenic Arabidopsis	Experimental Plant Division, Head, Masatomo Kobayashi, Ph.D.	Chiba University, Kazuki Saito, Ph. D.
Regulation of plant height by gene manipulation	Experimental Plant Division, Head, Masatomo Kobayashi, Ph.D.	National Institute of Agrobiological Science, Hiroshi Tanaka, Ph. D.
Development of technology for efficient cultivation and preservation of primate embryonic stem cells	Cell Engineering Division, Yukio Nakamura, Ph.D.	Institute for Frontier Medical Sciences, Kyoto University, Norio Nakatsuji, Ph.D.
Analysis of effect of low dose irradiation on cell fate	Cell Engineering Division, Yukio Nakamura, Ph.D.	National Institute for Environmental Studies, Yasunori Aoki, Ph.D.
Genetic Analysis of mouse early embryonic development	Technology and Development Team for Mammalian Cellular Dynamics, Team Leader, Kuniya Abe, Ph.D.	Kumamoto University, Institute of Molecular Embryology and Genetics

Functional analysis of raffinose synthases genes under environmental stresses in Arabidopsis thalami	Plant Molecular Biology Laboratory, Head, Kazuo Shinozaki, Ph.D.	Ajinomoto Co. Inc., Chieko Ohsumi, Ph.D.
Functional analysis of Arabidopsis environmental-stress-related genes	Plant Molecular Biology Laboratory, Head, Kazuo Shinozaki, Ph.D.	Hitachi Ltd., Yoshu Yoshiba, Ph.D.
Functional analysis of drought responsive genes and application to biotechnology	Plant Molecular Biology Laboratory, Head, Kazuo Shinozaki, Ph.D.	Genesis Research Institute, Inc., Fumiyoshi Myouga, Ph.D.
Production of drought-tolerant eucalyptus using a galactinol synthase gene	Plant Molecular Biology Laboratory, Head, Kazuo Shinozaki, Ph.D.	Nippon Paper Group Hiroyasu Sbinuma, Senior Scientist
Structural and functional analysis of proteins which causes thermal hypersensitivity	Plant Molecular Biology Laboratory, Senior Scientist, Takashi Hirayama, Ph.D.	AIST Yutaka Kawarabayashi, Ph.D.
Analysis of ENU induced mutants that are affected the anteroposterior axis formation	Mouse Functional Genomics Research Group, PD: Toshihiko Shiroishi, Ph.D. Research Scientist: Hiroshi Masuya, Ph.D.	Department of Molecular Embryology, Graduate School of Medicine, Chiba University, Professor, Haruhiko Koseki
Analysis of mutant mice that shows morphological abnormalities	Mouse Functional Genomics Research Group, PD: Toshihiko Shiroishi, Ph.D. Research Scientist: Hiroshi Masuya, Ph.D.	Department of Laboratory Animal Science, The Tokyo Metropolitan Intsitute of Medical Science (Rinshoken), Professor, Hiromichi Yonekawa
Analysis of mouse models for Attention Deficit Hyperactivity Disorders(ADHD)	Mouse Functional Genomics Research Group, TL: Shigeharu Wakana, Ph.D. Research Scientist: Hiroshi Masuya, Ph.D.	Division of Human Genetics, Department of Intergrated Genetics, National Institute of Genetics, Professor, Hiroyuki Sasaki
Analysis of mutant mice that show morphological abnormalities	Mouse Functional Genomics Research Group, TL: Shigeharu Wakana, Ph.D. Research Scientist: Hiroshi Masuya, Ph.D.	Mammalian Genetics Laboratory, National Institute of Genetics, Professor, Toshihiko Shiroishi
Establishment of the mouse medel for retina denaturation and the function analysis of a cause gene	Mouse Functional Genomics Research Group, PD: Toshihiko Shiroishi, Ph.D. TL: Shigeharu Wakana, Ph.D.	Department of Ophthlmology and Visual Science, Tohoku University School of Medicine, Professor, Makoto Tamai Hajime Sato, M.D., Ph.D.
Developing the oxidation stress tolerance mutant mouse in ENU mutagenesis program	Mouse Functional Genomics Research Group, PD: Toshihiko Shiroishi, Ph.D. TL: Shigeharu Wakana, Ph.D.	Tokyo Metropolitan Institute of gerontology Takuji Shirasawa, Ph.D. Takahiko Shimizu, Ph.D.

2003 ~ 2005

Analysis of mutants that show maxillofacial abnormalities	Mouse Functional Genomics Research Group, PD: Toshihiko Shiroishi, Ph.D. Research Scientist: Hiroshi Masuya, Ph.D.	Department of Pediatric Dentistry, Nihon University School of Dentistry at Matsudo Professor, Takahide Maeda, Ph.D. Lecturer, Kunihiko Shimizu, Ph.D.
Production of disease model mouse that show pigmentation abnormalities and its functional analysis of its causative genes	Mouse Functional Genomics Research Group, PD: Toshihiko Shiroishi, Ph.D. Research Scientist: Hiroshi Masuya, Ph.D.	Biological Institute, Graduate School of Science, Tohoku University, Assistant Professor, Hiroaki Yamamoto, Ph.D.
Physiological analysis of mutant-type glucokinase in mice	Mouse Functional Genomics Research Group, TL: Tetsuo Noda, Ph.D. Research Scientist: Maki Inoue, Ph.D.	Department of Pabiochemistry, Faculty of Pharmacy, Meijo University, Yukiyasu Toyoda, Ph.D. Ichitomo Miwa, Ph.D.
Exploration if osteoporosis mouse models	Mouse Functional Genomics Research Group, TL: Tetsuo Noda, Ph.D. Senior Technical Scientist: Hideaki Toki, Ph.D.	Department of Radiology and Radiation Biology, Nagasaki University Graduate School of Biomedical Science, Masako Ito, M.D., Ph.D.
Exploration of osteoporosis mouse models	Mouse Functional Genomics Research Group, TL: Tetsuo Noda, Ph.D. Senior Technical Scientist: Hideaki Toki, Ph.D.	Department of Geriatric Research, National Institute for Longevity Sciences, Kyoji Ikeda, M.D., Ph.D. Kumi Tsutsumi, Ph.D.
Analysis of mutants affecting for human muscular disorders models	Mouse Functional Genomics Research Group, PD: Toshihiko Shiroishi, Ph.D. TL: Shigeharu Wakana, Ph.D. Research Scientist: Hideki Kaneda, Ph.D.	Department of Neuromuscular Research, National Institute of Neuroscience, Ichizo Nishino, M.D., Ph.D. Satoru Notegi, Ph.D. Ikuya Nonaka, M.D.

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Theme	Contact Person	Collaborated with;
Utilization of frozen cells in tissue culture plates	Department of Biological Systems Director, Yuichi Obata, Ph.D.	Cell-Medicine, Inc. (CMI) Tadao Ohno, Ph.D.
Analysis of metabolome in transgenic Arabidopsis	Experimental Plant Division, Head, Masatomo Kobayashi, Ph.D.	Chiba University, Kazuki Saito, Ph. D.
Regulation of plant height by gene manipulation	Experimental Plant Division, Head, Masatomo Kobayashi, Ph.D.	National Institute of Agrobiological Science, Hiroshi Tanaka, Ph. D.
Development of QTL and mapping protocol with wild-type Arabidopsis	Experimental Plant Division, Head, Masatomo Kobayashi, Ph.D.	Tokyo University of Agriculture, Teruaki Taji, Ph. D.
Development of resources and technologies on Brassicaceae crops	Experimental Plant Division, Head, Masatomo Kobayashi, Ph.D.	Tokyo Gakugei University, Yoshihiro Narusaka, Ph.D.

Development of technology for efficient cultivation and preservation of primate embryonic stem cells	Cell Engineering Division, Head, Yukio Nakamura, Ph.D.	Institute for Frontier Medical Sciences, Kyoto University, Norio Nakatsuji, Ph.D.
Analysis of effect of low dose irradiation on cell fate	Cell Engineering Division, Head, Yukio Nakamura, Ph.D.	National Institute for Environmental Studies, Yasunori Aoki, Ph.D.
Genetic Analysis of mouse early embryonic development	Technology and Development Team for Mammalian Cellular Dynamics, Team Leader, Kuniya Abe, Ph.D.	Kumamoto University, Institute of Molecular Embryology and Genetics
Genomic analysis of MHC class I and MIC gene family region	Bioresource Information Division, Head, Kaoru Fukami-Kobayashi, Ph.D.	National Institute of Genetics, Professor, Yoshio Tateno, Ph.D.
Detection of genomic regions evolving under positive Darwinian selection by comparison between chimpanzee chromosome 22 and human chromosome 21	Bioresource Information Division, Research Scientist, Satoshi Oota, Ph.D.	National Institute of Genetics, Professor, Naruya Saitou, Ph.D.
Functional analysis of raffinose synthases gene under environmental stresses in <i>Arabidopsis thaliana</i>	Plant Molecular Biology Laboratory, Head, Kazuo Shinozaki, Ph.D.	Ajinomoto Co. Inc., Chieko Ohsumi, Ph.D.
Functional analysis of <i>Arabidopsis</i> environmental-stress-related genes	Plant Molecular Biology Laboratory, Head, Kazuo Shinozaki, Ph.D.	Hitachi Ltd., Yoshu Yoshiba, Ph.D.
Functional analysis of drought responsive genes and application to biotechnology.	Plant Molecular Biology Laboratory, Head, Kazuo Shinozaki, Ph.D.	Genesis Research Institute, Inc., Fumiyoichi Myouga, Ph.D.
Practical study of Eucalyptus and galactinol synthase, an important gene for drought tolerance.	Plant Molecular Biology Laboratory, Head, Kazuo Shinozaki, Ph.D.	Nippon Paper Group Hiroyasu Ebinuma, Ph.D.
Structural and functional analysis of proteins which causes thermal hypersensitivity	Plant Molecular Biology Laboratory, Senior Scientist, Takashi Hirayama, Ph.D.	AIST Yutaka Kawarabayashi, Ph.D.
Physiological analysis of mutant-type glucokinase in mice	Mouse Functional Genomics Research Group TL: Tetsuo Noda, Ph.D. Research Scientist: Maki Inoue, Ph.D.	Department of Pathbiochemistry, Faculty of Pharmacy, Meijo University Yukiyasu Toyoda, Ph.D. Ichitomo Miwa, Ph.D.
Establishment and analysis of novel mouse models for diabetes and obesity	Mouse Functional Genomics Research Group TL: Tetsuo Noda, Ph.D. Research Scientist: Maki Inoue, Ph.D.	Department of Metabolic Diseases, Faculty of Medicine, University of Tokyo Naoto Kubota, M.D., Ph.D. Yasuo Terauchi, M.D., Ph.D. Takashi Kadowaki, M.D., Ph.D.

Establishment and analysis of novel mouse models for diabetes	Mouse Functional Genomics Research Group TL: Tetsuo Noda, Ph.D. Research Scientist: Maki Inoue, Ph.D.	Department of Clinical Molecular Medicine, Division of Diabetes, Digestive and Kidney Diseases, Kobe University Graduate School of Medicine Yutaka Shigeyama, M.D. Masato Kasuga, M.D., Ph.D.
Exploration of mutants affecting modifier genes of tumor suppressor genes	Mouse Functional Genomics Research Group TL: Tetsuo Noda, Ph.D. Research Scientist: Maki Inoue, Ph.D.	Japanese Foundation for Cancer Research, Cancer Institute, Department of Cell Biology, Institute of DNA Medicine, The Jikei University of School of Medicine, Masaki Ito, M.D.
Analysis of ENU induced mutants that are affected the anteroposterior axis formation	Mouse Functional Genomics Research Group PD: Toshihiko Shiroishi, Ph.D. Research Scientist: Hiroshi Masuya, Ph.D.	Department of Molecular Embryology, Graduate School of Medicine, Chiba University, Professor, Haruhiko Koseki
Analysis of mutant mice that show abnormalities in hair coat	Mouse Functional Genomics Research Group PD: Toshihiko Shiroishi, Ph.D. Research Scientist: Hiroshi Masuya, Ph.D.	Department of Laboratory Animal Science, The Tokyo Metropolitan Institute of Medical Science (Rinshoken) Professor, Hiromichi Yonekawa
Analysis of mutant mice that show morphological abnormalities	Mouse Functional Genomics Research Group PD: Toshihiko Shiroishi, Ph.D. Research Scientist: Hiroshi Masuya, Ph.D.	Mammalian Genetics Laboratory, National Institute of Genetics. Professor, Toshihiko Shiroishi, Ph.D.
Production of disease model mouse that show pigmentation abnormalities and its functional analysis of its causative genes	Mouse Functional Genomics Research Group PD: Toshihiko Shiroishi, Ph.D. Research Scientist: Hiroshi Masuya, Ph.D.	Biological Institute, Graduate School of Science, Tohoku University Assistant Professor, Hiroaki Yamamoto, Ph.D.
Analysis of mutants that show maxillofacial abnormalities	Mouse Functional Genomics Research Group PD: Toshihiko Shiroishi, Ph.D. Research Scientist: Hiroshi Masuya, Ph.D.	Department of Pediatric Dentistry, Nihon University School of Dentistry at Matsudo, Professor, Takahide Maeda, Ph.D. Lecturer, Kunihiko Shimizu, Ph.D.
Analysis of ENU induced mutants affecting Epigenetic	Mouse Functional Genomics Research Group TL: Shigeharu Wakana, Ph.D. Research Scientist: Tomohiro Suzuki, Ph.D.	Division of Human Genetics, Department of Integrated Genetics, National Institute of Genetics Professor, Hiroyuki Sasaki, Ph.D.

Analysis of mouse models for Attention Deficit Hyperactivity Disorders (ADHD)	Mouse Functional Genomics Research Group PD: Toshihiko Shiroishi, Ph.D. TL: Shigeharu Wakana, Ph.D. Research Scientist: Yumiko Wada, Ph.D. Research Associate: Tamio Furuse, Ph.D.	Kyowa Hakko Kogyo Co., LTD. Pharmaceutical Research Center Director Department of CNS Research Naoki Seno, Ph.D. Senior Researcher, Tomoyuki Kanda, Ph.D.
Exploration of osteoporosis mouse models	Mouse Functional Genomics Research Group TL: Tetsuo Noda, Ph.D. Senior Technical Scientist: Hideaki Toki, Ph.D.	Department of Geriatric Research, National Institute for Longevity Sciences Kyoji Ikeda, M.D., Ph.D. Kumi Tsutsumi, Ph.D.
Exploration of osteoporosis mouse models	Mouse Functional Genomics Research Group TL: Tetsuo Noda, Ph.D. Senior Technical Scientist: Hideaki Toki, Ph.D.	Department of Radiology and Radiation Biology, Nagasaki University Graduate School of Biomedical Science Masako Ito, M.D., Ph.D.
Analysis of mutants affecting for human muscular disorders models	Mouse Functional Genomics Research Group PD: Toshihiko Shiroishi, Ph.D. TL: Shigeharu Wakana, Ph.D. Research Scientist: Hideki Kaneda, Ph.D.	Department of Neuromuscular Research, National Institute of Neuroscience Ichizo Nishino, M.D., Ph.D. Satoru Notegi, Ph.D. Ikuya Nonaka, M.D.
Analysis of mutant mice that show phenotypes of hypophosphatemia rickets	Mouse Functional Genomics Research Group TL: Tetsuo Noda Research Scientist: Hiromi Motegi	Department of Laboratory Medicine, University of Tokyo Branch Hospital Seiji Fukumoto, M.D., Ph.D.
Establishment of method for detection of outliers using multivariate analysis for screening of mouse mutagenesis project	Mouse Functional Genomics Research Group TL: Tetsuo Noda Research Scientist: Hiromi Motegi	Department of Environmetrics and Radiation Biology and Medicine Megu Ohtaki, Ph.D. Kenichi Satoh, Ph.D.
Establishment of the mouse model for retina denaturation and the function analysis of a cause gene	Mouse Functional Genomics Research Group PD: Toshihiko Shiroishi TL: Shigeharu Wakana	Department of Ophthalmology and Visual Science, Tohoku University School of Medicine Professor, Makoto Tamai Hajime Sato, M.D., Ph.D.

2005

Theme	Contact Person	Collaborated with;
Analysis of metabolome in transgenic Arabidopsis	Experimental Plant Division, Head, Masatomo Kobayashi, Ph.D.	Chiba University, Kazuki Saito, Ph.D.

Development of QTL and mapping protocol with wild-type Arabidopsis	Experimental Plant Division, Head, Masatomo Kobayashi, Ph.D.	Tokyo University of Agriculture, Teruaki Taji, Ph.D.
Analysis of transcriptome in transgenic Arabidopsis to study stress response and circadian rhythm	Experimental Plant Division, Head, Masatomo Kobayashi, Ph.D.	Kagawa Univeristy, Tomohiro Kiyosue, Ph.D.
Analysis of acid response with mutant Arabidopsis	Experimental Plant Division, Research Scientist, Satoshi Iuchi, Ph.D.	Gifu University, Hiroyuki Koyama, Ph.D.
Genomic analysis of MHC class I and MIC gene family region	Bioresource Information Division, Head, Kaoru Fukami-Kobayashi, Ph.D.	National Institute of Genetics, Professor, Yoshio Tateno, Ph.D.
Compositional evolution within/between mouse, rat, chimpanzee and human genomes	Bioresource Information Division, Research Scientist, Satoshi Oota, Ph.D.	National Institute of Genetics, Professor, Naruya Saitou, Ph.D.
Analysis on modified nucleosides of transfer ribonucleic acids in the mutant mouse strains	Experimental Animal Division, Head, Atsushi Yoshiki, Ph.D.	University of Tsukuba, Center for Tsukuba Advanced Research Alliance Professor, Masayuki Yamamoto, Ph.D.
Study of malignant mesothelioma using mouse models	Experimental Animal Division, Head, Atsushi Yoshiki, Ph.D.	Central Institute for Experimental Animals Director, Tatsuji Nomura
Development of technology for efficient cultivation and preservation of primate embryonic stem cells	Cell Engineering Division, Head, Yukio Nakamura, Ph.D.	Institute for Frontier Medical Sciences, Kyoto University, Norio Nakatsuji, Ph.D.
Analysis of effect of low dose irradiation on cell fate	Cell Engineering Division, Head, Yukio Nakamura, Ph.D.	National Institute for Environmental Studies, Yasunori Aoki, Ph.D.
Research and development of microbiological monitoring system	Experimental Animal Division Senior Research Scientist, Fumio Ike, Ph.D.	Central Institute of Animals, ICLAS Monitoring Center Toshio Itoh, D.V.M., Ph.D.
Study of mouse amphimicosis	Experimental Animal Division Senior Research Scientist, Fumio Ike, Ph.D.	Chiba University, Research Center for Pathogenic Fungi and Microbial Toxicoses Ayako Sano, D.V.M., Ph.D.
Functional analysis of raffinose synthases gene under environmental stresses in Arabidopsis thaliana	Plant Science Center Gene Discovery Research Group Director, Kazuo Shinozaki, Ph.D.	Ajinomoto Co. Inc., Chieko Ohsumi, Ph.D.
Functional analysis of Arabidopsis environmental-stress-related genes	Plant Science Center Gene Discovery Research Group Director, Kazuo Shinozaki, Ph.D.	Hitachi Ltd., Yoshu Yoshiba, Ph.D.

Physiological analysis of mutant-type glucokinase in mice	Functional Genomics Research Group TL: Tetsuo Noda Research Scientist: Maki Inoue	Department of Pathbiochemistry, Faculty of Pharmacy, Meijo University Yukiyasu Toyoda, Ph.D. Ichitomo Miwa, Ph.D.
Establishment and analysis of novel mouse models for diabetes and obesity	Functional Genomics Research Group TL: Tetsuo Noda Research Scientist: Maki Inoue	Department of Metabolic Diseases, Faculty of Medicine, University of Tokyo Naoto Kubota, M.D., Ph.D. Yasuo Terauchi, M.D., Ph.D. Takashi Kadowaki, M.D., Ph.D.
Establishment and analysis of novel mouse models for diabetes	Functional Genomics Research Group TL: Tetsuo Noda Research Scientist: Maki Inoue	Department of Clinical Molecular Medicine, Division of Diabetes, Digestive and Kidney Diseases, Kobe University Graduate School of Medicine Yutaka Shigeyama, M.D., Masato Kasuga, M.D., Ph.D.
Analysis of mutant mice that show morphological abnormalities	Functional Genomics Research Group TL: Shigeharu Wakana Research Scientist: Hiroshi Masuya	Mammalian Genetics Laboratory, National Institute of Genetics. Professor, Toshihiko Shiroishi
Analysis of mutants that show maxillofacial abnormalities	Functional Genomics Research Group PD: Toshihiko Shiroishi Research Scientist: Hiroshi Masuya	Department of Pediatric Dentistry, Nihon University School of Dentistry at Matsudo Professor, Takahide Maeda Lecturer, Kunihiko Shimizu
Production of disease model mouse that show pigmentation abnormalities and its functional analysis of its causative genes	Functional Genomics Research Group PD: Toshihiko Shiroishi Research Scientist: Hiroshi Masuya	Biological Institute, Graduate School of Science, Tohoku University Assistant Professor, Hiroaki Yamamoto
Analyses of mouse mutants exhibit serious motor ataxia	Functional Genomics Research Group TL: Shigeharu Wakana Research Scientist: Hiroshi Masuya	Advance Science Research Center, Kanazawa University Associate Professor, Hirokazu Hirai
Analysis of ENU induced mutants affecting Epigenetic	Functional Genomics Research Group TL: Shigeharu Wakana Research Scientist: Tomohiro Suzuki	Division of Human Genetics, Department of Integrated Genetics, National Institute of Genetics Professor, Hiroyuki Sasaki
Exploration of osteoporosis mouse models	Functional Genomics Research Group TL: Tetsuo Noda, Ph.D. Senior Technical Scientist: Hideaki Toki, Ph.D.	Department of Geriatric Research, National Institute for Longevity Sciences Kyoji Ikeda, M.D., Ph.D. Kumi Tsutsumi

Analysis of mouse models for Attention Deficit Hyperactivity Disorders (ADHD)	Functional Genomics Research Group PD: Toshihiko Shiroishi TL: Shigeharu Wakana Research Scientist: Yumiko Wada Research Associate: Tamio Furuse	Kyowa Hakko Kogyo Co., LTD. Pharmaceutical Research Center Naoki Seno, Director Department of CNS Research Senior Researcher, Tomoyuki Kanda
Exploration of osteoporosis mouse models	Functional Genomics Research Group TL: Tetsuo Noda, Ph.D. Senior Technical Scientist: Hideaki Toki, Ph.D.	Department of Radiology and Radiation Biology, Nagasaki University Graduate School of Biomedical Science Masako Ito, M.D., Ph.D.
Gene expression analysis of mouse neoplastic lesions	Functional Genomics Research Group TL: Tetsuo Noda, Ph.D. Senior Technical Scientist: Hideaki Toki, Ph.D.	Genome Center, Japanese Foundation for Cancer Research Tetsuichiro Muto, M.D., Ph.D. Yutaka Hoshikawa, Ph.D.
Screening of mouse intramuscular adipocyte accumulation	Functional Genomics Research Group TL: Tetsuo Noda, Ph.D. Senior Technical Scientist: Hideaki Toki, Ph.D.	Laboratory of Animal Breeding and Genetics, Graduate School of Agriculture, Kyoto University Yoshiyuki Sasaki, Ph.D. Takahisa Yamada, Ph.D.
Analysis of mutants affecting for human muscular disorders models	Functional Genomics Research Group TL: Shigeharu Wakana, Ph.D. Research Scientist: Hideki Kanda, Ph.D.	Department of Neuromuscular Research, National Institute of Neuroscience Ichizo Nishino, M.D., Ph.D. Satoru Notegi, Ph.D.
Analysis of mutant mice that show phenotypes of hypophosphatemia rickets	Functional Genomics Research Group TL: Tetsuo Noda, Ph.D. Research Scientist: Hiromi Motegi, Ph.D.	Department of Laboratory Medicine, University of Tokyo Branch Hospital Seiji Fukumoto, M.D., Ph.D.
Establishment of method for detection of outliers using multivariate analysis for screening of mouse mutagenesis project	Functional Genomics Research Group TL: Shigeharu Wakana, Ph.D.	Department of Environmetrics and Biometrics, Research Institute for Radiation Biology and Medicine Megu Ohtaki, Ph.D. Kenichi Satoh, Ph.D.
Sequence analysis and annotation of full-length cDNA clones from crops and trees	Plant Science Center Gene Discovery Research Group Director, Kazuo Shinozaki, Ph.D.	GSC Director Yoshiyuki Sasaki, Ph. D.
Collection of full-length cDNA from poplar	Plant Science Center Gene Discovery Research Group Director, Kazuo Shinozaki, Ph.D.	FFPRI Chief Scientist Tokihiko Nanjo, Ph. D.

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Establishment of the mouse model for retina denaturation and the function analysis of a cause gene	Functional Genomics Research Group TL: Shigeharu Wakana, Ph.D.	Department of Ophthalmology and Visual Science, Tohoku University School of Medicine Hajime Sato, M.D., Ph. D.
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9. Commissioned Research

2003

Theme	Contact Person	Commissioned by
Genome and function	Bioresource Engineering Division, Head, Atsuo Ogura, Ph.D.	Japan Science and Technology Corporation
Creation of Bio-devices and Biosystems with Chemical and Biological Molecules for Medical Use	Bioresource Engineering Division, Head, Atsuo Ogura, Ph.D.	Japan Science and Technology Corporation
Establishment of embryo engineering techniques for development and preservation of animal models for human diseases	Bioresource Engineering Division, Head, Atsuo Ogura, Ph.D.	Japan Science and Technology Corporation
Analysis of signal transduction pathway of phytohormone, abscisic acid and application to biotechnology	Plant Molecular Biology Laboratory, Head, Kazuo Shinozaki, Ph.D.	BRAIN
Roles of transcription factor in plants	Plant Molecular Biology Laboratory, Head, Kazuo Shinozaki, Ph.D.	CREST
Engineering of an abiotic tolerant rice using transcription factor genes	Plant Molecular Biology Laboratory, Head, Kazuo Shinozaki, Ph.D.	NIAS

2004

Theme	Contact Person	Commissioned by
Construction of BAC contigued-on-gene microarray	Cell Engineering Division, Senior Scientist, Eiichi Soeda, Ph.D.	Japan Science and Technology Corporation
Isolation of ES-like cells and production of cloned animals from genetically modified blastosysts derived from equine or bovine	Gene Engineering Division, Head, Kazunari K. Yokoyama, Ph.D.	Novartis Foundation
Genome and function	Bioresource Engineering Division, Head, Atsuo Ogura, Ph.D.	Japan Science and Technology Corporation
Establishment of embryo engineering techniques for development and preservation of animal models for human diseases	Bioresource Engineering Division, Head, Atsuo Ogura, Ph.D.	Japan Health Sciences Foundation

2003 ~ 2005

Creation of Bio-devices and Biosystems with Chemical and Biological Molecules for Medical Use	Bioresource Engineering Division, Head, Atsuo Ogura, Ph.D.	Japan Science and Technology Corporation
Establishment of embryo engineering techniques for development and preservation of animal models for human diseases	Bioresource Engineering Division, Head, Atsuo Ogura, Ph.D.	Japan Health Sciences Foundation
Analysis of signal transduction pathway of phytohormone, abscisic acid and application to biotechnology	Plant Molecular Biology Laboratory, Head, Kazuo Shinozaki, Ph.D.	BRAIN
Roles of transcription factor in plants	Plant Molecular Biology Laboratory, Head, Kazuo Shinozaki, Ph.D.	CREST
Engineering of an abiotic tolerant rice using transcription factor genes	Plant Molecular Biology Laboratory, Head, Kazuo Shinozaki, Ph.D.	NIAS

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Theme	Contact Person	Commissioned by;
Genome and function	Bioresource Engineering Division, Head, Atsuo Ogura, Ph.D.	Japan Science and Technology Corporation
Establishment of embryo engineering techniques for development and preservation of animal models for human diseases	Bioresource Engineering Division, Head, Atsuo Ogura, Ph.D.	Japan Health Sciences Foundation
Isolation and characterization of genes that concern viviparous phenotypes in rice mutants	Experimental Plant Division, Head, Masatomo Kobayashi, Ph.D.	NIAS
Creation of Bio-devices and Biosystems with Chemical and Biological Molecules for Medical Use	Bioresource Engineering Division, Head, Atsuo Ogura, Ph.D.	Japan Science and Technology Corporation
Establishment of embryo engineering techniques for development and preservation of animal models for human diseases	Bioresource Engineering Division, Head, Atsuo Ogura, Ph.D.	Japan Health Sciences Foundation
Analysis of signal transduction pathway of phytohormone, abscisic acid and application to biotechnology	Plant Science Center Director, Kazuo Shinozaki, Ph.D.	BRAIN
Roles of transcription factor in plants	Plant Science Center Director, Kazuo Shinozaki, Ph.D.	CREST
Engineering of an abiotic tolerant rice using transcription factor genes	Plant Science Center Director, Kazuo Shinozaki, Ph.D.	NIAS

2003 ~ 2005

10. Grants

Special Coordination Funds for Promoting and Technology of the Ministry of Education, Culture, Sports, Science and Technology

2003

Representative	Theme	Partner
Cell Engineering Division, Head, Yukio Nakamura, Ph.D.	<ul style="list-style-type: none"> • Tissue engineering through cytotechnology and matrix engineering • Development of artificial immune tissue for control of tumor • Headquarter 	Yukio Nakamura, Ph. D. (Cell Engineering Division) Yukio Nakamura, Ph. D. (Cell Engineering Division) Yukio Nakamura, Ph. D. (Cell Engineering Division)
Japan Science and Technology Corporation, Director, Yoshiyuki Maeda, Ph.D.	<ul style="list-style-type: none"> • Research and development for the construction of data base and network system of biological resources • Development of the distribution system, BioBanks, for biological resources 	Yukio Nakamura, Ph. D. (Cell Engineering Division)
National Institute for Minamata Disease, Head, Takashi Kuwana, Ph.D.	<ul style="list-style-type: none"> • Basic studies on technology development for preservation and proliferation of endangered species using germ line cells • Analysis on functional genes required for germ line establishment in mice 	Kuniya Abe, Ph. D. (Technology and Development Team for Mammalian Cellular Dynamics)

2004

Representative	Theme	Partner
Cell Engineering Division, Head, Yukio Nakamura, Ph.D.	<ul style="list-style-type: none"> • Tissue engineering through cytotechnology and matrix engineering • Development of artificial immune tissue for control of tumor • Headquarter 	Yukio Nakamura, Ph. D. (Cell Engineering Division) Yukio Nakamura, Ph. D. (Cell Engineering Division) Yukio Nakamura, Ph. D. (Cell Engineering Division)
Japan Science and Technology Corporation, Director, Yoshiyuki Maeda, Ph. D.	<ul style="list-style-type: none"> • Research and development for the construction of data base and network system of biological resources • Development of the distribution system, BioBanks, for biological resources 	Yukio Nakamura, Ph. D. (Cell Engineering Division) Yukio Nakamura, Ph. D. (Cell Engineering Division)
Mitsubishi Kasei Institute of Life Sciences, Director, Hirokazu Fujimoto, Ph.D.	Research development on establishment of the gamete and embryo bank of mouse mutants for post-genome sequencing analyses	Atsuo Ogura, Ph. D. (Bioresource Engineering Division)

2003 ~ 2005

2005

Representative	Theme	Partner
Cell Engineering Division, Head, Yukio Nakamura, Ph.D.	<ul style="list-style-type: none"> • Tissue engineering through cytotechnology and matrix engineering • Development of artificial immune tissue for control of tumor • Headquarter 	Yukio Nakamura, Ph. D. (Cell Engineering Division) Yukio Nakamura, Ph. D. (Cell Engineering Division) Yukio Nakamura, Ph. D. (Cell Engineering Division)
Plant Molecular Biology Laboratory, Director, Kazuo Shinozaki, Ph.D.	<ul style="list-style-type: none"> • Network between environmental response and morphology of higher pkabts • Signal transduction and growth regulation of environmental response • Headquater 	Kazuo Shinozaki, Ph.D. (Plant Molecular Biology Laboratory) Kazuo Shinozaki, Ph.D. (Plant Molecular Biology Laboratory) Kazuo Shinozaki, Ph.D. (Plant Molecular Biology Laboratory)

Grant-in-Aid for Scientific Research for Promoted Research (Supported by MEXT)

Grant	Representative	Affiliation	Theme
	Shunsuke Ishii, Ph.D.	Molecular Genetics Laboratory, Director, Chief Scientist	Transcriptional regulation by mediators and its physiological role

Grant-in-Aid for Scientific Research on Priority Areas (Supported by MEXT)

2003

Grant	Representative	Affiliation	Theme
(2)	Kuniya Abe, Ph.D.	Technology and Development Team for Mammalian Cellular Dynamics, Team Leader	Comprehensive analyses of gene regulatory mechanisms operated in mouse germ cell development
(B)(2)	Atsuo Ogura, Ph.D.	Bioresource Engineering Division, Head	Analysis of totipotency and genomic imprinting status of male germ cell nuclei

2004

Grant	Representative	Affiliation	Theme
(2)	Kazunari K. Yokoyama, Ph.D.	Gene Engineering Division, Head	Cell differentiation of EC cells and histone acetylation.
(B)(2)	Atsuo Ogura, Ph.D.	Bioresource Engineering Division, Head	Analysis of totipotency and genomic imprinting status of male germ cell nuclei.
(2)	Kuniya Abe, Ph.D.	Technology and Development Team for Mammalian Cellular Dynamics, Team Leader	Comprehensive analyses of gene regulatory mechanisms operated in mouse germ cell development
(2)	Nathan Mise, Ph.D.	Technology and Development Team for Mammalian Cellular Dynamics, Research & Development Scientist	Analysis of molecular mechanisms of genome reprogramming governing genome-wide gene expression

2003 ~ 2005

(2)	Hiroyuki Miyoshi, Ph.D. Kimiko Inoue, Ph.D.	Subteam for Manipulation of Cell Fate, Subteam Leader Bioresource Engineering Division, Research Scientist	Generation of cloned mice by nuclear transfer from somatic stem cells and studies on nuclear reprogramming
(B)(2)	Atsuo Ogura, Ph.D.	Bioresource Engineering Division, Head	Analysis of totipotency and genomic imprinting status of male germ cell nuclei

2005

Grant	Representative	Affiliation	Theme
(2)	Kazunari K. Yokoyama, Ph.D.	Gene Engineering Division, Head	Cell differentiation of EC cells and histone acetylation
(2)	Kazunari K. Yokoyama, Ph.D.	Gene Engineering Division, Head	Role of Ap1 on the check point signal for cell growth and differentiation
(B)(2)	Atsuo Ogura, Ph.D.	Bioresource Engineering Division, Head	Analysis of totipotency and genomic imprinting status of male germ cell nuclei
(2)	Kuniya Abe, Ph.D.	Technology and Development Team for Mammalian Cellular Dynamics, Team Leader	Comprehensive analyses of gene regulatory mechanisms operated in mouse germ cell development
(2)	Hidenori Kiyosawa, Ph.D.	Technology and Development Team for Mammalian Cellular Dynamics, Research & Development Scientist	Analysis of Natural Antisense RNA Gene Expression
(C)(2)	Motoaki Seki, Ph.D.	Plant Molecular Biology Laboratory, Senior Research Scientist	Analyses of Expression Profiles using Arabidopsis Full-length cDNA Microarray
(B)(2)	Atsushi Yoshiki, Ph.D.	Experimental Animal Division, Head	Study on the changeable sequence length of insertional mutation in the mouse keratin gene inducing hair loss disease
(2)	Hiroyuki Miyoshi, Ph.D. Kimiko Inoue, Ph.D.	Subteam for Manipulation of Cell Fate, Subteam Leader Bioresource Engineering Division, Research Scientist	Generation of cloned mice by nuclear transfer from somatic stem cells and studies on nuclear reprogramming

Grant-in-Aid for Scientific Research

Grant-in-Aid for Exploratory Research

Grant-in-Aid for Young Scientist (Supported by JSPS)

2003

Grant	Representative	Affiliation	Theme
Grant-in-Aid for Scientific Research (A)(2)	Atsushi Yoshiki, Ph.D.	Experimental Animal Division, Senior Research Scientist	Search for the cell differentiation-related genes with mutant mice created by heavy ion beams

2003 ~ 2005

Grant-in-Aid for Scientific Research (B)(2)	Kazunari K. Yokoyama, Ph.D.	Gene Engineering Division, Head	Triplex binding protein MAZ and p300/CBP coactivation and chromatin remodeling
Grant-in-Aid for Encouragement of Young Scientists	Takehide Murata, Ph.D.	Gene Engineering Division, Research Scientist	Isolation of gene involves in the modification of Pre-RNA 3'-end formation
Grant-in-Aid for Scientific Research (B)(2)	Atsuo Ogura, Ph.D.	Bioresource Engineering Division, Head	Construction of assessment systems for reproductive genetic toxicity in domestic animals: approaches from structural biology and cellular biology
Grant-in-Aid for Scientific Research (C)(2)	Kaoru Fukami-Kobayashi, Ph.D.	Bioresource Information Division, Head	Genomic analysis of MHC class I and MIC gene family region in primates
Grant-in-Aid for Scientific Research on Priority Areas (C)(2)	Motoaki Seki, Ph.D.	Plant Molecular Biology Laboratory, Senior Scientist	Monitoring the expression profiles using Arabidopsis full-length cDNA microarray
Grant-in-Aid for Scientific (C)(2)	Takashi Hirayama, Ph.D.	Plant Molecular Biology Laboratory, Senior Scientist	Functional analysis of GEK1 gene which is related to ethanol tolerance in plants
Grant-in-Aid for Encouragement of Young Scientists (B)	Takeshi Katagiri, Ph.D.	Plant Molecular Biology Laboratory, Research Scientist	Signal transduction system in response to ABA via phospholipids metabolism
Grant-in-Aid for Encouragement of Young Scientists (B)	Reiko Motohashi, Ph.D.	Plant Genome Functional Research Group, Research Scientist	Comprehensive analysis of chloroplast proteins using transposon-tagging line
Grant-in-Aid for Encouragement of Young Scientists (B)	Riichiro Yoshida, Ph.D.	Plant Genome Functional Research Group, Research Scientist	Functional analysis of protein kinase involved in response to abiotic stress and hormones with RNAi technique
Grant-in-Aid for Encouragement of Young Scientists (B)	Taishi Umezawa, Ph.D.	Plant Molecular Biology Laboratory, Contact Researcher	Identification and functional analysis of cytochrome P450 related to ABA catabolism in plants
Grant-in-Aid for Encouragement of Young Scientists (B)	Yoshiteru Noutoshi, Ph.D.	Plant Molecular Biology Laboratory, Specifiable Postdoctoral Researcher	Analysis of a novel ABA-insensitive mutant slh1
Grant-in-Aid for Scientific Research (C)(2)	Hiroyuki Miyoshi, Ph.D.	Subteam for Manipulation of Cell Fate, Subteam Leader	Development of methods for analyzing gene function using lentiviral vectors

2003 ~ 2005

Grant-in-Aid for Scientific Research (C)(2)	Hidenori Kiyosawa, Ph.D.	Technology and Development Team for Mammalian Cellular Dynamics, Research & Development Scientist	Relationship between mouse natural antisense RNA and X chromosome evolution
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2004

Grant	Representative	Affiliation	Theme
Grant-in-Aid for Scientific Research (B)(2)	Kazunari K. Yokoyama, Ph.D.	Gene Engineering Division, Head	Triplex binding protein MAZ and p300/CBP coactivation and chromatin remodeling
Grant-in-Aid for Encouragement of Young Scientists	Takehide Murata, Ph.D.	Gene Engineering Division, Research Scientist	Isolation of gene involves in the modification of Pre-RNA 3'-end formation
Grant-in-Aid for Scientific Research (C)(2)	Makoto Kimura, Ph.D.	Gene Engineering Division, Researcher	Study of regulation of transcription by RNA polymerase II in <i>S. pombe</i>
Grant-in-Aid for Scientific Research (B)(2)	Atsuo Ogura, Ph.D.	Bioresource Engineering Division, Head	Construction of assessment systems for reproductive genetic toxicity in domestic animals: approaches from structural biology and cellular biology
Grant-in-Aid for Scientific Research (B)(2)	Kuniya Abe, Ph.D.	Technology and Development Team for Mammalian Cellular Dynamics, Team Leader	Development of mouse resources and technology for functional genome analysis using BAC library derived from Japanese wild mouse
Grant-in-Aid for Scientific Research (A)(1)	Yoichi Gondo, Ph.D. Kuniya Abe, Ph.D.	Population and Quantitative Genomics Team RIKEN GSC, Team Leader Technology and Development Team for Mammalian Cellular Dynamics, Team Leader	Development of mouse strains with point mutations by Gene-driven mutagenesis approach
Grant-in-Aid for Scientific Research (B)(2)	Minoru Tanaka, Ph.D. Kuniya Abe, Ph.D.	Hokkaido University, Faculty of Science, Associate Professor Technology and Development Team for Mammalian Cellular Dynamics, Team Leader	Comparative analysis of PGC-derived EST for elucidation of basis of germ cell development
Grant-in-Aid for Scientific Research (C)(2)	Hiroyuki Miyoshi, Ph.D.	Subteam for Manipulation of Cell Fate, Subteam Leader	Development of methods for analyzing gene function using lentiviral vectors

2003 ~ 2005

Grant-in-Aid for Encouragement of Young Scientist (B)	Akitomo Miyamoto, Ph.D.	Technology and Development Team for BioSignal Program, Special Postdoctoral Researcher	Analysis of antimicrobial function for Fc α / μ R
Grant-in-Aid for Scientific Research (C)(2)	Hidenori Kiyosawa, Ph.D.	Technology and Development Team for Mammalian Cellular Dynamics, Research & Development Scientist	Relationship between mouse natural antisense RNA and X chromosome evolution
Grant-in-Aid for Young Scientist (Supported by JSPS)	Kuniya Abe, Ph.D.	Technology and Development Team for Mammalian Cellular Dynamics, Team Leader	Analysis of changes in nuclear architecture during development by methylated DNA visualization
Grant-in-Aid for Exploratory Research (B)	Nathan Mise, Ph.D.	Technology and Development Team for Mammalian Cellular Dynamics, Research & Development Scientist	Analysis of X chromosome reactivation occurring in developing mouse primordial germ cells
Grant-in-Aid for Scientific Research (C)(2)	Kaoru Fukami-Kobayashi, Ph.D.	Bioresource Information Division, Head	Genomic analysis of MHC class I and MIC gene family region in primates
Grant-in-Aid for Scientific (C)(2)	Motoaki Seki, Ph.D.	Plant Molecular Biology Laboratory, Senior Scientist	Monitoring the expression profiles using Arabidopsis full-length cDNA microarray
Grant-in-Aid for Scientific (C)(2)	Takashi Hirayama, Ph.D.	Plant Molecular Biology Laboratory, Senior Scientist	Functional analysis of GEK1 gene which is related to ethanol tolerance in plants
Grant-in-Aid for Scientific (C)(2)	Takuya Ito, Ph.D.	Plant Molecular Biology Laboratory, Senior Scientist	Study on pollen maturation process in higher plants
Grant-in-Aid for Encouragement of Young Scientists (B)	Takeshi Katagiri, Ph.D.	Plant Molecular Biology Laboratory, Research Scientist	Signal transduction system in response to ABA via phospholipids metabolism
Grant-in-Aid for Encouragement of Young Scientists (B)	Taishi Umezawa, Ph.D.	Plant Molecular Biology Laboratory, Contact Researcher	Functional analysis of an osmotic stress-activated SnRK2 protein kinase in Arabidopsis
Grant-in-Aid for Encouragement of Young Scientists (B)	Yoshiteru Noutoshi, Ph.D.	Plant Molecular Biology Laboratory, Contacted Researcher	Analysis of a novel ABA-insensitive mutant slh1

2003 ~ 2005

Grant-in-Aid for Encouragement of Young Scientists (B)	Arata Honda, Ph.D.	Bioresource Engineering Division Specifiable Postdoctoral Fellow	Gene targeting in the rabbit
Grant-in-Aid for Encouragement of Young Scientists (B)	Tomohiro Suzuki, Ph.D.	Mouse Functional Genomics Research Group	Establishment of model mice for affecting genomic imprinting
Grant-in-Aid for Encouragement of Young Scientists (B)	Hiroshi Masuya, Ph.D.	Mouse Functional Genomics Research Group	Functional analysis that lacks second pharinx
Grant-in-Aid for Encouragement of Young Scientists (B)	Yumiko Wada, Ph.D.	Mouse Functional Genomics Research Group	The development of the emotional assessment system to detect abnormal emotional states in mice

2005

Grant	Representative	Affiliation	Theme
Grant-in-Aid for Scientific Research (B)(2)	Kazunari K. Yokoyama, Ph.D.	Gene Engineering Division, Head	Chromatin dynamics and regulated cell-differeentiation
Grant-in Aid-for Scientific Research (B)(2)	Atsushi Yoshiki, Ph.D.	Exeperimental Animal Division, Head	The Study on the changerable segnence length of an insertional mutation in the mouse Keratin gene causing the hairloss disease
Grant-in-Aid for Scientific Research (B)(2)	Kuniya Abe, Ph.D.	Technology and Development Team for Mammalian Cellular Dynamics, Team Leader	Development of mouse resources and technology for functional genome analysis using BAC library derived from Japanese wild mouse
Grant-in-Aid for Encouragement of Young Scientists (B)	Kimiko Inoue, Ph.D.	Bioresource Engineering Division, Research Scientist	Analysis of gene expression patterns and phenotypes in periimplantation cloned embryos
Grant-in-Aid for Encouragement of Young Scientists (B)	Arata Honda, Ph.D.	Bioresource Engineering Division , Specifiable Postdoctoral Fellow	Gene targeting in the rabbit
Grant-in-Aid for Encouragement of Young Scientists (B)	Narumi Ogonuki, Ph.D.	Bioresource Engineering Division, Technical Scientist	Microinsemination using male germ cells from epididymides and testes cryopreserved without cryoprotectant
Grant-in-Aid for Exploratory Research (Supported by JSPS)	Kuniya Abe, Ph.D.	Technology and Development Team for Mammalian Cellular Dynamics, Team Leader	Analysis of changes in nuclear architecture during development by methylated DNA visualization

2003 ~ 2005

Grant-in-Aid for Scientific Research (A)(1)	Yoichi Gondo, Ph.D. Kuniya Abe, Ph.D.	Population and Quantitative Genomics Team RIKEN GSC, Team Leader Technology and Development Team for Mammalian Cellular Dynamics, Team Leader	Development of mouse strains with point mutations by Gene-driven mutagenesis approach
Grant-in-Aid for Young Scientist (B)	Nathan Mise, Ph.D.	Technology and Development Team for Mammalian Cellular Dynamics, Research & Development Scientist	Analysis of X chromosome reactivation occurring in developing mouse primordial germ cells
Grant-in-Aid for Scientific Research (C)	Masatomo Kobayashi, Ph.D.	Experimental Plant Division, Head	Functional analysis of the N-terminal of gibberellin 3-beta hydroxylase
Grant-in-Aid for Exploratory Research	Satoshi Oota Ph.D.	Bioresource Information Division, Research Scientist	Construction of a three-dimensional model of laboratory mice: 3D virtual laboratory mice
Grant-in-Aid for Encouragement of Young Scientist (B)	Akitomo Miyamoto, Ph.D.	Technology and Development Team for BioSignal Program, Special Postdoctoral Researcher	Analysis of antimicrobial function for Fc α /Mr
Grant-in-Aid for Scientific (A)(2)	Motoaki Seki, Ph.D.	Plant Molecular Biology Laboratory, Senior Scientist	Monitoring the expression profiles using Arabidopsis DNA array
Grant-in-Aid for Scientific (C)(2)	Takuya Ito, Ph. D.	Plant Molecular Biology Laboratory, Senior Scientist	Study on pollen maturation process in higher plants
Grant-in-Aid for Encouragement of Young Scientists (B)	Taishi Umezawa, Ph.D.	Plant Science Center Gene Discovery Research Group Research Scientist	Functional analysis of an osmotic stress-activated SnRK2 protein kinase in Arabidopsis
Grant-in-Aid for Encouragement of Young Scientists (B)	Riichiro Yoshida, Ph.D.	Plant Genome Functional Research Group, Research Scientist	Functional analysis of plants' response to abiotic stress via Arabidopsis SnRK2 protein kinases
Grant-in-Aid for Encouragement of Young Scientists (B)	Maki Inoue, Ph.D.	Functional Genomics Research Group	Exploration and analysis of pathological mechanism of diabetes using novel ENU-induced mutants

2003 ~ 2005

Grant-in-Aid for Scientific Research (C)(2)	Hideki Kaneda, Ph.D.	Functional Genomics Research Group	Exploration of mouse models for mitochondrial disorders in ENU-mutagenized mice
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President's Discretionary Fund

2004

Representative	affiliation	Theme
Motoaki Seki, Ph.D.	Plant Genome Functional Research Group, Senior Staff Scientist	Identification of novel useful promoters, cis-elements and transcription factors for production of the stress-tolerant crops
Shigeharu Wakana, Ph.D.	Functional Genomics Research Group, Team Leader	Establishment of the disease model for allergic disease / autoimmune disease in mouse

2005

Representative	affiliation	Theme
Shigeharu Wakana, Ph.D.	Functional Genomics Research Group, Team Leader	Establishment of the disease model for allergic disease / autoimmune disease in mouse
Tetsuo Noda, Ph.D.	Functional Genomics Research Group, Team Leader	Global metabolomics research: Development of multi-dimensional
Hiroshi Motegi, Ph.D.	Functional Genomics Research Group, Research Scientist	

Grant-in-Aid for Scientific Research (Supported by the Ministry of Health, Welfare and Labor)

2003

Representative	Theme	Partner
National Institute of Infectious Diseases, Head, Katsuyuki Hashimoto, Ph.D.	Foundation of animal research resources for functional analysis of human disease genes	Atsuo Ogura, Ph.D. (Bioresource Engineering Division)

2004

Representative	Theme	Partner
National Institute of Infectious Diseases, Head, Katsuyuki Hashimoto, Ph.D.	Foundation of animal research resources for functional analysis of human disease genes	Atsuo Ogura, Ph.D. (Bioresource Engineering Division)

2003 ~ 2005

2005

Representative	Theme	Partner
National Institute of Infectious Diseases, Head, Junichiro Matsuda, Ph.D.	Foundation of animal research resources for functional analysis of human disease genes	Atsuo Ogura, Ph.D. (Bioresource Engineering Division)

11. A Summary of Projects of Special Postdoctoral Research

2003

Name	Host Laboratory	Adviser	Theme
Teruaki Taji, Ph.D.	Plant Molecular Biology Laboratory	Kazuo Shinozaki, Ph.D.	Discrimination of novel signaling pathway involving beta- amylase in early response to cold stress

2004

Name	Host Laboratory	Adviser	Theme
Arata Honda, Ph.D.	Bioresource Engineering Division	Atsuo Ogura, Ph.D.	Establishment of female germline stem cell lines
Akitomo Miyamoto, Ph.D.	Technology and Development Team for BioSignal Program	Yuichi Obata, Ph.D.	Functional analysis of Fc α / μ R in IgA nephropathy

2005

Name	Host Laboratory	Adviser	Theme
Arata Honda	Bioresource Engineering Division	Atsuo Ogura, Ph.D.	Establishment of female germline stem cell lines
Akitomo Miyamoto, Ph.D.	Technology and Development Team for BioSignal Program	Yuichi Obata, Ph.D.	Functional analysis of Fc α / μ R in IgA nephropathy

12. A Summary of Project of Junior Research Associate

2003

Name	Host Laboratory	Theme
Kaoru Urano	Plant Molecular Biology Laboratory	Functional analysis of polyamines under environmental stress in Arabidopsis

2004

Name	Host Laboratory	Theme
Fuminori Takahashi	Plant Molecular Biology Laboratory	Functional analysis of novel MAP kinase cascade "MKK3-MPK6" in Arabidopsis
Hiroimi Miki	Bioresource Engineering Division	Analysis of developmental ability of in vitro-produced embryos.
Satoru Kobayakawa	Technology and Development Team for Mammalian Cellular Dynamics	Dynamic changes in nuclear structure of developing embryo-stem cells and primordial germ cells

2003 ~ 2005**2005**

Name	Host Laboratory	Theme
Fuminori Takahashi	Plant Molecular Biology Laboratory	Functional analysis of novel MAP kinase cascade “MKK3-MPK6” in Arabidopsis