

6. Collaborative Research

2001

Title	Contact Person	Collaborated with;
Development of novel technology for efficient cryopreservation of rat embryos.	Experimental Animal Division, Division Head, 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.	Experimental Animal Division, Division, Head, Yuichi Obata, Ph. D.	Fukuyama University, Yasunori Yamaguchi, 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.
Cryopreservation of mouse embryonic stem cells.	Cell Engineering Division, Head, Tadao Ohno, Ph. D.	Ishiwata Obstetrics and Gynecology Hospital, Isamu Ishiwata, M.D., Ph. D.
Preparation and cryopreservation of mouse qualified blastocysts.	Cell Engineering Division, Head, Tadao Ohno, Ph. D.	Ishiwata Obstetrics and Gynecology Hospital, Isamu Ishiwata, M.D., Ph. D.
Cryopreservation of mouse ovary and testis.	Cell Engineering Division, Head, Tadao Ohno, Ph. D.	Ishiwata Obstetrics and Gynecology Hospital, Isamu Ishiwata, M.D., Ph. D.
High quality preparation of cells and tissues for banking.	Cell Engineering Division, Head, Tadao Ohno, Ph. D.	University of Tsukuba, Institute of Clinical Medicine, Department of Urologym Koji Kawai, M.D., Ph. D.
Studies on cultured human brain tumor cells with different stages of differentiation and their protein expression.	Cell Engineering Division, Head, Tadao Ohno, Ph. D.	University of Tsukuba, Institute of Clinical Medicine, Department of Neurosurgery, Koji Tsuboi, M.D., Ph. D.
High quality preparation of human uterine carcinoma and ovarian carcinoma.	Cell Engineering Division, Head, Tadao Ohno, Ph. D.	University of Tsukuba, Institute of Clinical Medicine, Department of Obstetrics and Gynecology, Akinori Oki, M.D., Ph. D.
Expression study of gene encoding for Human HLA MHC.	Gene Engineering Division, Head, Kazunari K. Yokoyama, Ph. D.	Aichi Prefecture Cancer Research Institute, Miki Akatsuka, M.D., Ph. D.
Preparation of full length cDNA cloned library	Gene Engineering Division, Head, Kazunari K. Yokoyama, Ph. D.	Osaka University Microbiology Institute, Hiroschi Nojima, Ph. D.

2002

Title	Contact Person	Collaborated with;
Development of novel technology for efficient cryopreservation of rat embryos.	Experimental Animal Division, Division Head, 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.	Experimental Animal Division, Division Head, 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, Head, Yuichi Obata, Ph. D.	The Tokyo Metropolitan Institute of Medical Science, Chief Scientist, Choji Taya, Ph. D.
Development of novel cell lines from Arabidopsis.	Experimental Plant Division, Head, Masatomo Kobayashi, Ph. D.	University of Tsukuba, Hiroshi Kamada, 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.
Cryopreservation of mouse embryonic stem cells.	Cell Engineering Division, Head, Tadao Ohno, Ph. D.	Ishiwata Obstetrics and Gynecology Hospital, Isamu Ishiwata, M.D., Ph. D.
Preparation and cryopreservation of mouse qualified blastocysts.	Cell Engineering Division, Head, Tadao Ohno, Ph. D.	Ishiwata Obstetrics and Gynecology Hospital, Isamu Ishiwata, M.D., Ph. D.
Cryopreservation of mouse ovary and testis.	Cell Engineering Division, Head, Tadao Ohno, Ph. D.	Ishiwata Obstetrics and Gynecology Hospital, Isamu Ishiwata, M.D., Ph. D.
High quality preparation of cells and tissues for banking.	Cell Engineering Division, Head, Tadao Ohno, Ph. D.	University of Tsukuba, Institute of Clinical Medicine, Department of Urologym Koji Kawai, M.D., Ph. D.
Studies on cultured human brain tumor cells with different stages of differentiation and their protein expression.	Cell Engineering Division, Head, Tadao Ohno, Ph. D.	University of Tsukuba, Institute of Clinical Medicine, Department of Neurosurgery, Koji Tsuboi, M.D., Ph. D.
High quality preparation of human uterine carcinoma and ovarian carcinoma.	Cell Engineering Division, Head, Tadao Ohno, Ph. D.	University of Tsukuba, Institute of Clinical Medicine, Department of Obstetrics and Gynecology, Akinori Oki, M.D., Ph. D.

Expression study of gene encoding for Human HLA MHC.	Gene Engineering Division, Head, Kazunari K. Yokoyama, Ph. D.	Aichi Prefecture Cancer Research Institute, Miki Akatsuka, M.D., Ph. D.
Preparation of full length cDNA cloned library.	Gene Engineering Division, Head, Kazunari K. Yokoyama, Ph. D.	Osaka University Microbiology Institute, Hiroshi Nojima, Ph. D.

7. Joint Research with the Private Sector

2001

Title	Contact Person	Collaborated with;
Regulation of plant height by gene manipulation.	Experimental Plant Division, Head, Masatomo Kobayashi, Ph. D.	National Institute of Agrobiological Science, Hiroshi Tanaka, 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 syntheses genes under environmental stresses in <i>Arabidopsis thalami</i> .	Plant Molecular Biology Laboratory, Director, Kazuo Shinozaki, Ph. D.	Ajinomoto Co. Inc., Ohsumi Chieko, Ph. D.
Functional analysis of <i>Arabidopsis</i> environmental-stress-related genes.	Plant Molecular Biology Laboratory, Director, Kazuo Shinozaki, Ph. D.	Hitachi Ltd., Yoshida Yoshu, Ph. D.
Functional analysis of drought responsive genes and application to biotechnology.	Plant Molecular Biology Laboratory, Director, Kazuo Shinozaki, Ph. D.	Genesis Research Institute, Inc., Nanjo Tokihiko, Ph. D.

2002

Title	Contact Person	Collaborated with;
Metabolome analysis of <i>Arabidopsis</i> T-DNA-tagged lines.	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.

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 syntheses gene under environmental stresses in <i>Arabidopsis thaliana</i> .	Plant Molecular Biology Laboratory, Director, Kazuo Shinozaki, Ph. D.	Ajinomoto Co. Inc Ohsumi Chieko. Ph. D.
Functional analysis of <i>Arabidopsis</i> environmental-stress-related genes.	Plant Molecular Biology Laboratory, Director, Kazuo Shinozaki, Ph. D.	Hitachi Ltd., Yoshida Yoshu, Ph. D.
Functional analysis of drought responsive genes and application to biotechnology.	Plant Molecular Biology Laboratory, Director, Kazuo Shinozaki, Ph. D.	Genesis Research Institute, Inc., Fumiyoshi Myouga

8. Commissioned Research

2001

Title	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
Chromatin regulation and differentiation of ES cells.	Gene Engineering Division, Head, Kazunari K. Yokoyama, Ph. D.	Uehara Memorial 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
Analysis of signal transduction pathway of phytohormone, abscisic acid and application to biotechnology.	Plant Molecular Biology Laboratory, Director, Kazuo Shinozaki, Ph. D.	BRAIN

2002

Title	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
Analysis of signal transduction pathway of phytohormone, abscisic acid and application to biotechnology.	Plant Molecular Biology Laboratory, Director, Kazuo Shinozaki, Ph. D.	BRAIN
Roles of transcription factor in plants.	Plant Molecular Biology Laboratory, Director, Kazuo Shinozaki, Ph. D.	CREST

9. Grants

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

2001

Representative	Title	Partner
Cell Engineering Division, Head, Tadao Ohno, 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 	Tadao Ohno, Ph. D. (Cell Engineering Division) Tadao Ohno, Ph. D. (Cell Engineering Division) Tadao Ohno, 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 	— Tadao Ohno, Ph. D. (Cell Engineering Division)

Gene Engineering Division, Head, Kazunari K. Yokoyama, Ph. D.	<ul style="list-style-type: none"> • Establishment of Recombinant Virus Core-Bank and Study of Virotherapy • Preparation of Recombinant Virus and Study of safety and Preservation • Detection of Mutant Recombinant Virus • Headquarter 	Takehide Murata, Ph. D. (Gene Engineering Division) Kazunari K. Yokoyama, Ph. D. (Gene Engineering Division) Kazunari K. Yokoyama, Ph. D. (Gene 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)
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)
National Institute of Genetics, Professor, Toshihiko Shiroishi, Ph. D.	<ul style="list-style-type: none"> • Technology development for analytical system of gene functions through genetic polymorphisms in mice • Construction of Bacterial Artificial Chromosome (BAC) Library from a Japanese mouse subspecies strain, MSM. 	Kuniya Abe, Ph. D. (Technology and Development Team for Mammalian Cellular Dynamics)
Plant Molecular Biology Laboratory, Director, Kazuo Shinozaki, Ph. D.	<ul style="list-style-type: none"> • Network between environmental response and morphology of higher plants • Headquarter 	Kazuo Shinozaki, Ph. D. (Plant Molecular Biology Laboratory) Kazuo Shinozaki, Ph. D. (Plant Molecular Biology Laboratory)

2002

Representative	Title	Partner
Cell Engineering Division, Head, Tadao Ohno, 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 	Tadao Ohno, Ph. D. (Cell Engineering Division) Tadao Ohno, Ph. D. (Cell Engineering Division) Tadao Ohno, Ph. D. (Cell Engineering Division)

Gene Engineering Division, Head, Kazunari K. Yokoyama, Ph. D.	<ul style="list-style-type: none"> • Establishment of Recombinant Virus Core-Bank and Study of Virotherapy • Preparation of Recombinant Virus and Study of safety and Preservation • Detection of Mutant Recombinant Virus • Headquarter 	Takehide Murata , Ph. D. (Gene Engineering Division) Kazunari K. Yokoyama, Ph. D. (Gene Engineering Division) Kazunari K. Yokoyama, Ph. D. (Gene 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)
National Institute of Genetics, Professor, Toshihiko Shiroishi, Ph. D.	<ul style="list-style-type: none"> • Technology development for analytical system of gene functions through genetic polymorphisms in mice • Construction of Bacterial Artificial Chromosom(BAC) Library from a Japanese mouse subspecies strain,MSM. 	— Kuniya Abe, Ph. D. (Technology and Development Team for Mammalian Cellular Dynamics)
Plant Molecular Biology Laboratory, Director, Kazuo Shinozaki	<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 on Priority Areas (Supported by MEXT)

2001

Grant	Representative	Affiliation	Title
(C)(2)	Yuichi Obata	Department of Biological Systems, Head	Identification of cancer antigens by SEREX, an expression cloning method.
(C)(2)	Hiroki Nagase	Experimental Animal Division, Collaborative Researcher	Genetic approach using experimental animal models for patho-physiological analysis on the polygenic diseases.
(C)(2)	Kazunari K. Yokoyama	Gene Engineering Division, Head	Cell differentiation of EC cells and histone acetylation.

(A)(2)	Kazunari K. Yokoyama	Gene Engineering Division, Head	Role of Ap1 on the check point signal for cell growth and differentiation.
(B)(2)	Atsuo Ogura	Bioresource Engineering Division, Head	Analysis of totipotency and genomic imprinting status of male germ cell nuclei.
(B)(2)	Kuniya Abe	Technology and Development Team for Mammalian Cellular Dynamics, Team Leader	Molecular genetic analysis on regulatory mechanisms of germ-soma differentiation.
(A)(1)	Kazuo Shinozaki	Plant Molecular Biology Laboratory, Director	Molecular mechanism of embryo and meristem formations.
(C)(2)	Motoaki Seki	Plant Molecular Biology Laboratory, Senior Research Scientist	Analyses of Expression Profiles using Arabidopsis Full-Length cDNA Microarray.
(C)(2)	Takuya Ito	Plant Molecular Biology Laboratory, Research Scientist	Search for pollen-related genes in Arabidopsis.

2002

Grant	Representative	Affiliation	Title
(A)(2)	Yuichi Obata	Department of Biological Systems, Head	Identification of cancer antigens by SEREX, an expression cloning method.
(A)(1)	Yuichi Obata	Department of Biological Systems, Head	Committee for development, maintenance and promotion of applied research of genetically engineered animals.
(A)(1)	Yuichi Obata	Department of Biological Systems, Head	Committee for development and preservation of experimental materials for cancer research.
(A)(2)	Kazunari K. Yokoyama	Gene Engineering Division, Head	Cell differentiation of EC cells and histone acetylation.
(A)(2)	Kazunari K. Yokoyama	Gene Engineering Division, Head	Role of Ap1 on the check point signal for cell growth and differentiation.
(B)(2)	Atsuo Ogura	Bioresource Engineering Division, Head	Analysis of totipotency and genomic imprinting status of male germ cell nuclei.
(B)(2)	Kuniya Abe	Technology and Development Team for Mammalian Cellular Dynamics, Team Leader	Molecular genetic analysis on regulatory mechanisms of germ-soma differentiation.
(C)(2)	Motoaki Seki	Plant Molecular Biology Laboratory, Senior Research Scientist	Analyses of Expression Profiles using Arabidopsis Full-length cDNA Microarray.

Grant-in-Aid for Scientific Research**Grant-in-Aid for Exploratory Research****Grant-in-Aid for Young Scientist (Supported by JSPS)****2001**

Grant	Representative	Affiliation	Title
Giant-in-Aid for Scientific Research (A)(2)	Atsushi Yoshiki	Experimental Animal Division, Senior Research Scientist	Search for the cell differentiation-related genes with mutant mice created by heavy ion beams.
Giant-in-Aid for Encouragement of Young Scientists	Kazunari K.Yokoyama	Gene Engineering Division, Head	Triplex binding protein MAZ and p300/CBP coactivation and chromatin remodeling.
Giant-in-Aid for Encouragement of Young Scientists	Takehide Murata	Gene Engineering Division, Research Scientist	Isolation of gene involves in the modification of Pre-RNA 3'-end formation.
Giant-in-Aid for Scientific Research (A)(2)	Erika Suzuki	Gene Engineering Division, Contact Researcher	Study of function of two Rianogin receptor in the excitation and release of the contractile muscle in frog.
Giant-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)	Kuniya Abe, Ph. D.	Technology and Development Team for Mammalian Cellular Dynamics, Team Leader	Positional cloning of a gene required for undifferentiated stem cell proliferation.
Grant-in-Aid for Scientific Research (C)(2)	Takashi Hirayama, Ph. D.	Plant Molecular Biology Laboratory, Senior Research Scientist	Isolation and analysis of Arabidopsis mutants affect on the abscisic acid sensitivity using an abscisic acid analog.
Grant-in-Aid for Encouragement of Young Scientists (A)(2)	Tokunori Hobo, Ph. D.	Plant Molecular Biology Laboratory, Research Scientist	Study on molecular mechanism of abscisic acid biosynthesis and regulation during seed maturation and dormancy.

2002

Grant	Representative	Affiliation	Title
Grant-in-Aid for Scientific Research (C)(2)	Yuichi Obata	Department of Biological Systems, Head	Roles of mouse TL antigens in the intestinal immune system and the inflammatory bowel disease.
Grant-in-Aid for Scientific Research (A)(2)	Atsushi Yoshiki	Experimental Animal Division, Senior Research Scientist	Search for the cell differentiation-related genes with mutant mice created by heavy ion beams.

Grant-in-Aid for Scientific Research (A)(2)	Kazunari K. Yokoyama, Ph. D.	Gene Engineering Division, Head	Chromatin dynamics and regulated cell-differentiation.
Grant-in-Aid for Scientific Research (C)(2)	Kuniya Abe, Ph. D.	Technology and Development Team for Mammalian Cellular Dynamics, Team Leader	Positional cloning of a gene required for undifferentiated stem cell proliferation.
Grant-in-Aid for Encouragement of Young Scientists(B)	Tokunori Hobo, Ph.D	Plant Molecular Biology Laboratory, Specifiable Postdoctoral Researcher	Study on molecular mechanism of abscisic acid biosynthesis and regulation during seed maturation and dormancy.
Grant-in-Aid for Encouragement of Young Scientists(B)	Yoshiteru Noutoshi, Ph. D.	Plant Molecular Biology Laboratory, Specifiable Postdoctoral Researcher	Phenotype analysis and gene cloning of novel ABA insensitive mutant slh1.
Grant-in-Aid for Encouragement of Young Scientists(B)	Taishi Umezawa, Ph., D.	Plant Molecular Biology Laboratory, Research Scientist	Identification and functional analysis of cytochrome p450 genes related to abscisic acid metabolism in plants.

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

2001

Representative	Title	Partner
National Institute of Infectious Diseases, Head, Katsuyuki Hashimoto, Ph. D.	Monkey and mouse brain cDNA, and its supply for functional analysis.	Atsuo Ogura, Ph. D. (Bioresource Engineering Division)

2002

Representative	Title	Partner
National Institute of Infectious Diseases, Head, Junichiro Matsuda, Ph. D	Monkey and mouse brain cDNA, and its supply for functional analysis	Atsuo Ogura, Ph. D. (Bioresource Engineering Division)

10. A Summary of Projects of Specifiable Postdoctoral Research

2001

Year	Name	Host Laboratory	Adviser	Title
1998	Takeshi Oyamatsu	Cell Engineering Division	Tadao Ohno	Identification of novel human tumor antigen.

1999	Ben Ning Zhang	Cell Engineering Division	Tadao Ohno	Suppression of tumor formation by NK cells and NK-T cells and development of novel tumor therapy methods.
	Yuji Sano	Molecular Genetics Laboratory	Shunsuke Ishii	Transcriptional regulation by CRE-BP1 / ATF-2.
	Jun Tanigawa	Molecular Genetics Laboratory	Shunsuke Ishii	Transcriptional control of stress-responsive genes by extra cellular signals.
	Kazuya Ichimura	Plant Molecular Biology Laboratory	Kazuo Shinozaki	The Functional Analysis of plant MAP kinase cascade in environmental response.
	Takeshi Katagiri	Plant Molecular Biology Laboratory	Kazuo Shinozaki	Studies on the signal transduction through phospholipid metabolism in higher plants.
2000	Yukihiko Kubota	Experimental Animal Division	Yuichi Obata	The mechanism of organogenesis during embryonic development in mice.
	Masahiro Okada	Molecular Genetics Laboratory	Shunsuke Ishii	Transcriptional regulation by Drosophila Myb.
	Yoshiteru Noutoshi Ph. D.	Plant Molecular Biology Laboratory	Kazuo Shinozaki Ph.D.	Screening and characterization of seed development mutants using Ds transposon-inserted Arabidopsis.
2001	Toshie Shinagawa	Molecular Genetics Laboratory	Shunsuke Ishii	Physiological role of Ski and Sno oncogene products.
	Kenji Kokura	Molecular Genetics Laboratory	Shunsuke Ishii	Regulation of Corepressor activity by extracellular signals.
	Tokunori Hobo Ph.D.	Plant Molecular Biology Laboratory	Kazuo Shinozaki Ph.D.	Analysis of signal transduction during seed dormancy and mediated abscisic acid.

2002

Year	Name	Host Laboratory	Adviser	Title
2000	Yukihiko Kubota	Experimental Animal Division	Yuichi Obata, Ph. D.	The mechanism of organogenesis during embryonic development in mice.
	Yoshiteru Notoshi Ph. D.	Plant Molecular Biology Laboratory	Kazuo Shinozaki, Ph.D.	Screening and characterization of seed development mutants using Ds transposon-inserted Arabidopsis.
2001	Toshie Shinagawa	Molecular Genetics Laboratory	Shunsuke Ishii, Ph. D.	Physiological role of Ski and Sno oncogene products.
	Kenji Kokura	Molecular Genetics Laboratory	Shunsuke Ishii, Ph. D.	Regulation of Corepressor activity by extracellular signals
	Tokunori Hobo Ph.D.	Plant Molecular Biology Laboratory	Kazuo Shinozaki, Ph.D.	Analysis of signal transduction during seed dormancy and mediated abscisic acid

2002	Ayako Kamei Ph. D.	Plant Molecular Biology Laboratory	Kazuo Shinozaki, Ph.D.	Analysis of signal transduction pathways via protein phosphorylation that involved in environmental responses in higher plants.
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11. A Summary of Projects of Junior Research Associates

2001

Year	Name	Host Laboratory	Title
1999	Ikuko Kanda	Molecular Genetics Laboratory	Analysis of phenotype of ski-deficient mice.
	Teruaki Taji	Plant Molecular Biology	Functional analysis of galactinol synthase genes under environmental stresses in <i>Arabidopsis thaliana</i> .
2000	Shotaro Kishikawa	Gene Engineering Division	Promoter study of Dnmt1 gene.
	Kenji Matsumoto	Experimental Animal Division	The role of extracellular matrix, tenascin: the molecular mechanism during wound healing.
2001	Rie Satoh	Plant Molecular Biology Laboratory	Regulatory mechanism of ProDH gene expression in <i>Arabidopsis</i> .

2002

Year	Name	Host Laboratory	Title
2001	Rie Satoh	Plant Molecular Biology Laboratory	Regulatory mechanism of ProDH. Gene expression in <i>Arabidopsis</i> .
2002	Kaoru Urano	Plant Molecular Biology Laboratory	Functional analysis of polyamines under environmental stress in <i>Arabidopsis</i> .

12. A Summary of Project of Technical Associates

2001

Year	Name	Host Laboratory	Title
2000	Masahiro Yonezawa	Plant Molecular Biology Laboratory	Functional analysis of <i>Arabidopsis</i> knockout mutants and modification of screening method to isolate them.

There is no Technical Associate in 2002.