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Joint Research Title	Joint Researcher (Representative)	Affiliated Organization	Resident Researcher (Representative)	Affiliated Organization	New.・Conti.
【Projects responding to Fukushima Nuclear Power Plant accident】					
1.Research on low-dose and low-dose rate radiation effects					
Retaining of labels and DNA damage in rat mammary gland	Tatsuhiko Imaoka	National Institutes for Quantum Science and Technology	Keiji Suzuki	Nagasaki University	Conti.
Research on the effects of low-dose radiation using a high-precision hair growth cycle observation model	Shoichiro Kokabu	Kyushu Dental University	Osamu Kaminuma	Hiroshima University	New
The effects of radiation on bone tissue-composed cells	Takuma Matsubara	Kyushu Dental University	Osamu Kaminuma	Hiroshima University	Conti.
Analysis of the pathophysiology for periodontal disease, a risk factor for rakiation-induced jaw osteonecrosis	TANAKA YOSHIHIKO	Fukuoka Dental College	Osamu Kaminuma	Hiroshima University	Conti.
Investigation of the effects of chronic exposure of low dose radiation on animal health	Takahisa Murata	The University of Tokyo	Osamu Kaminuma	Hiroshima University	Conti.
Induction of genomic instability in mouse hematopoietic stem and progenitor cells by low-dose-rate radiation exposure	Kentaro Ariyoshi	Fukushima Medical University	Megumi Sasatani	Hiroshima University	New
Genetic basis of cancer susceptibility by radiation	Tatsuo Miyamoto	Yamaguchi University	Silvia Natsuko Akutsu	Hiroshima University	New
A study on radiation effects to the circulatory system of wild-type mice	Nobuyuki Hamada	Central Research Institute of Electric Power Industry (CRIEPI)	Yukihito Higashi	Hiroshima University	Conti.
Analysis of somatic mutation induction by using a hyper-sensitive system	Tauchi Hiroshi	Ibaraki University	Keiji Suzuki	Nagasaki University	Conti.
Generation of transgenic fish strain for monitoring cellular responses to low-dose radiation	Hayato Yokoi	Tohoku University	Yasuko Honjo	Hiroshima University	Conti.
Role of tumor microenvironment in radiation-induced tumor	Shimura Tsutomu	Ntional Institute of Public Health	Megumi Sasatani	Hiroshima University	Conti.
Assessment of individual differences in radiosensitivity to low-dose-rate radiation using chromosomal aberrations	Masanori Tomita	Central Research Institute of Electric Power Industry	Satoshi Tashiro	Hiroshima University	Conti.
Simulation studies to reinforce the interpretation of the differences between results of animal experiments and epidemiological studies	Kazutaka Doi	National Institutes for Quantum Sciences and Technology	Megumi Sasatani	Hiroshima University	Conti.

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Joint Research Title	Joint Researcher (Representative)	Affiliated Organization	Resident Researcher (Representative)	Affiliated Organization	New.・Conti.
Simulation studies to evaluate the impact of confounding factors on risk estimates in low dose and dose rate radiation	Kazutaka Doi	National Institutes for Quantum Science and Technology	Shinji Yoshinaga	Hiroshima University	Conti.
Biological effects of low-dose/low-dose-rate exposure on stem cells	IIZUKA DAISUKE	National Institutes for Quantum Science and Technology	Megumi Sasatani	Hiroshima University	Conti.
Genome-wide analysis for the transgenerational effects of low-dose radiation exposure	Uchimura Arikuni	Radiation Effects Research Foundation	Osamu Kaminuma	Hiroshima University	Conti.
Development and application of health risk mapping associated with external exposure to terrestrial gamma ray in Japan—development of measurement technique of terrestrial gamma ray—	Yasutaka Omori	Hirosaki University	Shinji Yoshinaga	Hiroshima University	Conti.
The analysis of the specific mutational signatures induced by low-dose(-rate) irradiation using a SV-NGS method (2)	Hidehiko Kawai	Hiroshima University	Megumi Sasatani	Hiroshima University	Conti.
Evaluation of late effects of radiation exposure using human iPS cells	Go Shioi	RIKEN Center for Developmental Dynamics Research	Hideaki Fujita	Hiroshima University	Conti.
Effects of Low-Dose Radiation Exposure on the Hematopoietic Supportive and Tissue Regenerative Functions of Bone Marrow Mesenchymal Stromal/Stem Cells	Yasuo Miura	Fujita Health University School of Medicine	Tatsuo Ichinohe	Hiroshima University	Conti.
Relationship of oxidative stress with cellular responses under low dose rate irradiation	Junya Kobayashi	International University of Health and Welfare	Silvia Natsuko Akutsu	Hiroshima University	Conti.
High sensitivity analysis of DNA damage induced by ionizing radiation of low dose and low dose rate	Hiroaki Terato	Okayama University	Hiroshi Yasuda	Hiroshima University	Conti.
Effect of commercially available facial masks on removal of radon progeny aerosols	Yuna Sakai	Hirosaki University	Tetsuo Ishikawa	Fukushima Medical University	New
Development and application of health risk potential map associated with internal exposure to residential radon in Japan	Masahiro Hosoda	Hirosaki University	Shinji Yoshinaga	Hiroshima University	Conti.
Analysis of the effects of genomic mutations on the subsequent generations using mouse models	Yasunari Satoh	Radiation Effects Research Foundation	Osamu Kaminuma	Hiroshima University	New
The relative biological effectiveness of continuous exposure to low concentrations of tritium which is investigated by the induction of DNA double-strand breaks	Kanata IZUMI	Tohoku University	Megumi Sasatani	Hiroshima University	New

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Joint Research Title	Joint Researcher (Representative)	Affiliated Organization	Resident Researcher (Representative)	Affiliated Organization	New.・Conti.
The study on cellular effects of radioactive particles derived from the accident of Fukushima Daiichi nuclear power plant	Masatoshi Suzuki	Tohoku University	Keiji Suzuki	Nagasaki University	New
Effect of low-dose radiation form CT exposure	Tsubokawa Norifumi	Hiroshima University Hospital	Takahiro Mimae	Hiroshima University	New
Evaluation of a radioiodine sampler as an atmospheric radon concentration measurement device	Michika Kon	Hirosaki University	Tetsuo Ishikawa	Fukushima Medical University	New
Understanding of the impact of discharged wastewater to rainfall over Japan	Naoyuki Kurita	Nagoya University	Hiroshi Yasuda	Hiroshima University	Conti.
Effect of X-rays on the polymerization of amyloid β	Shinsuke Katoh	Yokohama University of Pharmacy	Yu Abe	Nagasaki University	New
Risk assessment of carcinogenesis due to exposure to tritiated water using a mouse model with high susceptibility to carcinogenesis	Umata Toshiyuki	University of Occupational and Environmental Health, Japan	Megumi Sasatani	Hiroshima University	Conti.
Mechanisms of low-dose/low-dose-rate radiation-induced heart disease	ZAHARIEVA Elena Karamfilova	National Centre for Radiobiology and Radiation Protection (Bulgaria)	Megumi Sasatani	Hiroshima University	Conti.
Understanding anisakiasis by combining phylogenetic and molecular immunology	Maribet Gamboa	Universidad Catolica de la Santisima Concepcion	Osamu Kaminuma	Hiroshima University	Conti.
Analysis of genomic alterations characteristic of radiation-induced breast cancer	Kazuhiro Daino	National Institutes for Quantum Science and Technology	Masahiro Nakashima	Nagasaki University	New
Effects of low-dose radiation exposure on lymphtic vessels	Chikara Goto	Hiroshima International University	Yukihito Higashi	Hiroshima University	New
Analysis of the effect of low-dose radiation exposure in the mouse preimplantation period	Akiko Nagamachi	The Foundation for Biomedical Research and Innovation at Kobe	Osamu Kaminuma	Hiroshima University	New
Effects of low-dose irradiation on breast cancer cells	Emi　Tokuda	Fukushima Medical University	Keiji Tanimoto	Hiroshima University	Conti.
DNA damage induced by occupational exposure of medical workers	Fukumoto Wataru	Hiroshima University	Satoshi Tashiro	Hiroshima University	New

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Joint Research Title	Joint Researcher (Representative)	Affiliated Organization	Resident Researcher (Representative)	Affiliated Organization	New.・Conti.
Histopathological examination of juvenile thyroid cancer in the area around Chernobyl and in Japan	Masahiro Ito	NHO Nagasaki Medical Center	Masahiro Nakashima	Nagasaki University	Conti.
Effects of extracellular vesicles from mesenchymal stem cells on radiation-induced tissue injury	Naoki Ishiuchi	Hiroshima University	Yukihito Higashi	Hiroshima University	New

【Projects responding to Fukushima Nuclear Power Plant accident】
2.Development of diagnostic and treatment methods for internal radiation exposure

Exploration of biomarkers for the differential diagnosis of follicular thyroid cancer and novel drug-targeted molecules for their treatment	Osamu Ishibashi	Osaka Metropolitan University	Satoshi Tashiro	Hiroshima University	Conti.
Establishment of a quantitative determination for internal radiation exposure in pregnant women	Masahiko Kanehira	Yamanashi University	Osamu Kaminuma	Hiroshima University	New

【Projects responding to Fukushima Nuclear Power Plant accident】
3.Research and development of radiation-protective drugs

Examination of diamond nanocrystals as a radioprotective agent	Madoka Suzuki	Osaka University	Hideaki Fujita	Hiroshima University	New
Targeting the Mitochondrial Radiation Response to Develop Radioprotective Agents	Shimura Tsutomu	Ntional Institute of Public Health	Megumi Sasatani	Hiroshima University	Conti.
Verification of the effect of cyclodextrin on reducing the absorption of radioactive iodine into the body	Shogo Higaki	The University of Tokyo	Kodai Nishi	Nagasaki University	Conti.
Experimental studies on radioprotective effects of Curcumin analogues, GO-Y030, GO-Y022 and GO-Y078. Elucidation of radioprotective mechanisms compared to Curcumin.	Eiko Nakata	International University of Health and Welfare	Silvia Natsuko Akutsu	Hiroshima University	New
Development of new drugs for attenuating radiation-induced intestinal injury	JIANG Bin	Nanjing Hospital of Chinese Medicine Affiliated to Nanjing University of Chinese Medicine	Tao-Sheng Li	Nagasaki University	New
Radioprotective capacity of the iron-binding glycoprotein Lactoferrin	Takahiro Fukazawa	Ehime University	Keiji Tanimoto	Hiroshima University	New
Evaluation of the radioprotective effects of polyphenolic compounds extracted from plans.	Asako J. Nakamura	Ibaraki University	Megumi Sasatani	Hiroshima University	Conti.

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Joint Research Title	Joint Researcher (Representative)	Affiliated Organization	Resident Researcher (Representative)	Affiliated Organization	New.・Conti.
Pre- and post-comparative study on radioprotective effects of Kampo medicines	Akihiro Kawahara	Hiroshima University Hospital	Satoshi Tashiro	Hiroshima University	Conti.
Phytochemical analysis of herbs for discovering radioprotectan	Katsuyoshi Matsunami	Graduate School of Biomedical & Health Sciences, Hiroshima University	Satoshi Tashiro	Hiroshima University	Conti.

【Projects responding to Fukushima Nuclear Power Plant accident】

4.Research on risk communication regarding radiation disasters

Survey on Disaster-Related Deaths in the Soso area after the Fukushima Daiichi nuclear power plant accident	Toyoaki Sawano	Jyoban Hospital of Tokiwa Foundation	Masaharu Tsubokura	Fukushima Medical University	Conti.
Research on the incidence and death of diseases and their distribution of evacuees and returnees after the Great East Japan Earthquake	SUN ZHICHAO	University of Tsukuba Hospital	Tetsuya Ohira	Fukushima Medical University	Conti.
Association between latent thyroid injury and depression	Shimizu Yuji	Osaka Institute of Public Health	Naomi Hayashida	Nagasaki University	New
Detection of lifestyle factors relates to latent damage of thyroid	Nagisa Sasaki	Osaka Institute of Public Health	Naomi Hayashida	Nagasaki University	New
Evaluation of Bias and Stereotypes in Radiation-Related Text Generation by AI Chatbots	Shinya Ito	Kitasato University	Kayoko Ishii	Fukushima Medical University	New
Development of educational programs for educational workshops for workers at the Fukushima nuclear power plant	RYUJI OKAZAKI	University of Occupational and Environmental Health, Japan	Seiji Yasumura	Fukushima Medical University	Conti.
Evaluation study of changes in physical, psychological, and social risk factors that influence health behavior	Takahiro Tabuchi	Tohoku University Graduate School of Medicine	Tetsuya Ohira	Fukushima Medical University	Conti.
Case studies of public health activities in evacuated areas and surrounding areas after the Fukushima Daiichi Nuclear Power Plant accident	Yoshitaka Nishikawa	Kyoto University	Seiji Yasumura	Fukushima Medical University	Conti.
An analytical study on the tendency of information dissemination and acquisition about nuclear before and after a radiation disaster	Takeshi IIMOTO	The University of Tokyo	Hiroshi Yasuda	Hiroshima University	Conti.
Questionnaire survey on medical treatment systems in the event of a radiation disaster	Tsubokawa Norifumi	Hiroshima University Hospital	Takahiro Mimae	Hiroshima University	New

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Joint Research Title	Joint Researcher (Representative)	Affiliated Organization	Resident Researcher (Representative)	Affiliated Organization	New.・Conti.
Study for searching radioprotector/radiosensitizer using plasmid DNA damage as indicator	Katsunori Yogo	Nagoya University	Hiroshi Yasuda	Hiroshima University	Conti.
Ensuring the safety of patients with neurological diseases during radiation disaster situations	Masahiro Nakamori	Hiroshima University Graduate School of Biomedical and Health Sciences	Kodai Kume	Hiroshima University	New
Establishing Support for the Treatment of Neurological Disease Patients in Radiation Disaster Situations	Mai Kikumoto	Hiroshima University Hospital	Kodai Kume	Hiroshima University	New
Analyses of the observed and collected datasets of the air dose rates at the forestry edge along the border of Fukushima and Miyagi prefectures aiming to utilize Phits as the risk communication tool	Shigeki HARADA	Fukushima University	Seiko Hirota	Hiroshima University	New
Learning from Telling: Toward Interactive Risk Communication	Tadafumi Kubota	Kyoto University	Hitomi Matsunaga	Nagasaki University	New

【Projects responding to Fukushima Nuclear Power Plant accident】

5.Radiation disaster and social safety management

Bi-214 and Pb-214 Deposition Distribution Around Japan Based on Atmospheric Transport and Deposition Model	HANTING LI	Graduate School of Frontier Sciences, The University of Tokyo	Shinji Yoshinaga	Hiroshima University	New
Establishment of a method for individual assessment of radiosensitivity	Ryuji Okazaki	University of Occupational and Environmental Health, Japan	Keiji Suzuki	Nagasaki University	Conti.
Study of specific operations regarding indoor sheltering in the event of a radiation disaster and survey of the attitudes of residents living near nuclear power plants	Saito Yoshika	Sendai Kosei Hospital	Masaharu Tsubokura	Fukushima Medical University	New
Develop BCP formulation manuals for sheltering in place and emergency evacuation of vulnerable health personnel based on lessons learned from the Great East Japan Earthquake.	Saori Nonaka	Minamisoma Municipal General Hospital	Masaharu Tsubokura	Fukushima Medical University	New
Development of radiophotoluminescence dosimeter for retrospective personal dosimetry after radiation accidents	Hiroki Kawamoto	Graduate School of Engineering, Tohoku University	Hiroshi Yasuda	Hiroshima University	New
Research and development about material and reading method of radiochromic gel dosimeter on effective for emergency exposure response and its application	Hirokazu Miyoshi	Tokushima University	Hiroshi Yasuda	Hiroshima University	New
Establishment and Application of Comprehensive Radiation Protection Framework for Naturally Occurring Radioactive Material	Hiromi Koike	The University of Tokyo	Seiko Hirota	Hiroshima University	New

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Joint Research Title	Joint Researcher (Representative)	Affiliated Organization	Resident Researcher (Representative)	Affiliated Organization	New.・Conti.
【Other important projects】					
1.Research on the molecular mechanisms of genomic damage and repair					
Analysis of the Relationship between PFAS Sensitivity and DNA　repair pathway	Toshiyuki Habu	Mukogawa Women's University	Megumi Sasatani	Hiroshima University	Conti.
Analysis of the role of histone H2AZ ubiquitination in the maintenance of Genome	Kouji Hirota	Tokyo Metropolitan University	Satoshi Tashiro	Hiroshima University	Conti.
Effects of radiation on development and aging in zebrafish	Hiromi Hirata	Aoyama Gakuin University	Yasuko Honjo	Hiroshima University	Conti.
Role of NBS1 protein in cellular responces to ionizing radiation	Tauchi Hiroshi	Ibaraki University	Silvia Natsuko Akutsu	Hiroshima University	Conti.
Elucidation of the mechanism of DNA excision repair induced by radiation and its medical application	Hiroyuki Niida	Hamamatsu University School of Medicine	Keiji Suzuki	Nagasaki University	New
Roles of cancer suppressor factors in resistance to radiation-induced DNA damages	Chiharu Uchida	Hamamatsu University School of Medicine	Keiji Suzuki	Nagasaki University	New
Mechanisms of DNA damage responses in hypoxic cancer cells	Hidetaka Eguchi	Juntendo University	Keiji Tanimoto	Hiroshima University	Conti.
Functional analysis of BRCA1/2 in hematopoiesis	Tomohiro Iguchi	Tokyo Metropolitan Institute of Medical Science	Osamu Kaminuma	Hiroshima University	New
Mechanism by which splicing factors promote repair of radiation-induced DNA double-strand breaks	Motohiro Yamauchi	Kyushu University	Keiji Suzuki	Nagasaki University	Conti.
Live Imaging Analysis of Cellular Dynamics in 3D Cultured Cells Exposed to Radiation	Hiromi Yanagihara	National Institutes for Quantum Science and Technology	Silvia Natsuko Akutsu	Hiroshima University	New
Elucidation of the mechanism underlying chromatin remodeling that promotes DNA double-strand break repair after ionizing radiation	Hikaru Okumura	Keio University	Keiji Suzuki	Nagasaki University	New
Analysis of DNA double strand break repair in the presence of inflammatory cytokines.	Mayu Isono	Keio University	Keiji Suzuki	Nagasaki University	Conti.
Studies on Bleomycin-induced EBV-positive cancer selective cell death	Hisashi Iizasa	Faculty of Medicine, Shimane University	Silvia Natsuko Akutsu	Hiroshima University	Conti.

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Joint Research Title	Joint Researcher (Representative)	Affiliated Organization	Resident Researcher (Representative)	Affiliated Organization	New.・Conti.
Toward understanding the coordiation between the integrity of nuclear envelope and the stability of genome	Yasunao Kamikawa	Hiroshima University	Megumi Sasatani	Hiroshima University	New
Analysis of the role of non-canonical translation initiation factors in radiation-induced DNA damage restration	Kakuta Shigeru	The University of Tokyo	Osamu Kaminuma	Hiroshima University	Conti.
Role of DNA damage response in squamous cell carcinoma of pharinx	Yuko Akazawa	Nagasaki University Graduate School of Biomedical Sciences	Masahiro Nakashima	Nagasaki University	Conti.
Analysis of cellular strategy of autophagy-dependent cancer cell growth	Kanji FURUYA	Kyoto University	Yasuko Honjo	Hiroshima University	Conti.
In situ DNA damage response for cancer prediction in ulcerative colitis and radiation colitis	Yuko Akazawa	Nagasaki University Graduate School of Biomedical Sciences	Masahiro Nakashima	Nagasaki University	New
Analysis of end-joining manner in novel Ligase4 deficient cells.	Shiraishi Kazunori	OSAKA Metropolitan University	Megumi Sasatani	Hiroshima University	New
Regulation of chromatin structures involved in repair of UV-induced DNA damage	Kaoru Sugasawa	Kobe University	Satoshi Tashiro	Hiroshima University	Conti.
Hypoxia signal and DNA damage response in aging	Ujjal Bhawal	Nihon University	Keiji Tanimoto	Hiroshima University	Conti.
Analysis of the molecular mechanism of the genomic instability in carcinogenesis	Tomoko Ishikawa-Fujiwara	Osaka University	Megumi Sasatani	Hiroshima University	Conti.
The role of TIP60 histone acetyltransferase complex in radiation-induced DNA damage response	Tsuyoshi Ikura	Kyoto University	Satoshi Tashiro	Hiroshima University	Conti.
Interaction between nuclear DNA damage and mitochondrial DNA damage	Mari Ishida	Hiroshima Shudo University	Satoshi Tashiro	Hiroshima University	Conti.
Study on the mechanism of zyogtic genome activation using early rat embryos	Kohtaro Morita	RIKEN	Kento Miura	Hiroshima University	Conti.
Novel responsible genes of diseases with genomic instability around the Chernobyl area	Tomoo Ogi	Tokai National Higher Education and Research System	Norisato Mitsutake	Nagasaki University	Conti.
Roles of the hypoxia-inducible factor-α in radiation sensitivity	Yuichi Makino	Asahikawa Medical University	Keiji Tanimoto	Hiroshima University	Conti.

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Joint Research Title	Joint Researcher (Representative)	Affiliated Organization	Resident Researcher (Representative)	Affiliated Organization	New.・Conti.
Analysis of cellular function of polyubiquitinated PCNA	Yuji Masuda	Tokai National Higher Education and Research System, Nagoya University	Megumi Sasatani	Hiroshima University	Conti.
Analysis of the mechanisms involved in radiosentitivity of malignant glioma cells	Seiji Hama	Hiroshima University	Silvia Natsuko Akutsu	Hiroshima University	Conti.
Assessment of DNA damage repair responses after heavy-ion radiation exposure in microgravity	Asako J. Nakamura	Ibaraki University	Keiji Suzuki	Nagasaki University	New
Histone H3K36 methyltranseferase functions in DNA repair	Kiyoe URA	Chiba University	Satoshi Tashiro	Hiroshima University	Conti.

【Other important projects】

2.Research on mechanisms of radiation carcinogenesis and development of cancer treatment

Study on macrophage mediated radioresistance in cancer cells	Nakata Yuichiro	Graduate school of Medicine, Chiba University	Osamu Kaminuma	Hiroshima University	Conti.
Development of estimation protocol for radiosensitivity of indivitual using iPS cells and Raman spectroscopy	Horie Masanobu	Kyoto University	Hideaki Fujita	Hiroshima University	Conti.
Analysis of myelodysplastic syndromes/myeloproliferative disorders in atomic bomb survivors	Daisuke Imanishi	Nagasaki Goto Chuoh Hospital	Yasushi Miyazaki	Nagasaki University	Conti.
Effects of oxidative stress response on ionizing radiation-induced murine leukemogenesis	Osamu Tanabe	Radiation Effects Research Foundation	Satoshi Tashiro	Hiroshima University	Conti.
Signature analysis of ionizing radiation-induced somatic mutations in hematopoietic stem cells	Yukiko Matsuda	Radiation Effects Research Foundation	Megumi Sasatani	Hiroshima University	Conti.
Etiology-specific roles of four genetic loci conferring risk for radiation-related and sporadic thyroid cancer in pediatric and adult patients from Belarus	Tatsiana Leonava	Minsk City Clinical Oncological Center	Vladimir Saenko	Nagasaki University	Conti.
Genomic mutation analysis of radiation-induced mouse hepatocellular carcinoma	Yi SHANG	National Institutes for Quantum Science and Technology	Keiji Suzuki	Nagasaki University	Conti.
Investigation of mechanisms underlying brain metastasis formation in small cell lung cancer using a xenograft mouse model	Shuichi Sakamoto	Microbial Chemistry Research Foundation	Megumi Sasatani	Hiroshima University	New

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Joint Research Title	Joint Researcher (Representative)	Affiliated Organization	Resident Researcher (Representative)	Affiliated Organization	New.・Conti.
Elucidation of the combined effects of radiation and inflammation on Mlh1 heterozygous mice	Morioka Takamitsu	National Institutes for Quantaum Science and Technology	Keiji Suzuki	Nagasaki University	New
Histopathological analysis in the carcinogenic processes on radiation-induced intestinal tumor	Morioka Takamitsu	National Institutes for Quantaum Science and Technology	Megumi Sasatani	Hiroshima University	Conti.
Development of novel cancer therapeutics focusing on cellular response to DNA replication stress	Kimiyoshi Yano	Hiroshima University	Satoshi Tashiro	Hiroshima University	Conti.
Carcinogenic mechanism of B-cell lymphoma/leukemia by radiation exposure	Hirotaka Tachibana	Central Research Institute of Electric Power Industry	Megumi Sasatani	Hiroshima University	Conti.
Expression of p16INK4A as a predictor of survival in patients with poorly differentiated thyroid carcinoma	Mikhail Frydman	Minsk City Clinical Oncological Center	Vladimir Saenko	Nagasaki University	Conti.
Analysis of immune-associated gene expression following ionizing radiation in human tumor organoids	Ken Okuda	Keio University Graduate School of Pharmaceutical Sciences	Keiji Suzuki	Nagasaki University	Conti.
Genomic and epigenomic analysis for risk assessment of low-dose and low-dose-rate radiation carcinogenesis	Chizuru Tsuruoka	National Institutes for Quantum Science and Technology	Megumi Sasatani	Hiroshima University	Conti.
Study of the role of irradiation-induced mtDNA damage responses in tumorigenesis	Noritaka Yamaguchi	Chiba University	Osamu Kaminuma	Hiroshima University	New
Investigation of the role of a mitochondrial protein in resistance to irradiation in tumor cells.	Takakura Yuki	Chiba University	Osamu Kaminuma	Hiroshima University	New
Mechanisms of radiation carcinogenic susceptibility, explored from changes in the tissue microenvironment	Masaaki Sunaoshi	National Institutes for Quantum Science and Technology	Keiji Suzuki	Nagasaki University	Conti.
Elucidation of the mechanisms of cancer cell growth suppression through selective control of NFAT isoforms and its application to radiation carcinogenesis research	Midori Shimada	Nagoya University, Tokai National Higher Education and Research System	Osamu Kaminuma	Hiroshima University	New
Molecular patterns and clinical implications of KRAS, NRAS, BRAF and TERT promoter mutations in colorectal cancer from patients who lived in contaminated by radionuclides and non-contaminated areas of the Republic of Kazakhstan	Saule Rakhimova	Center for Life Sciences, PI National Laboratory Astana, AOE Nazarbayev University	Vladimir Saenko	Nagasaki University	Conti.
Novel therapeutic approaches targeting L-type amino acid transporters for radiationinduced cancer treatment	Keitaro Hayashi	Dokkyo Medical University School of Medicine	Osamu Kaminuma	Hiroshima University	Conti.
Analysis of immune-associated gene expression after ionizing radiation	Shunji Haruna	Keio University Graduate School of Pharmaceutical Sciences	Keiji Suzuki	Nagasaki University	Conti.

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Mathematical model for understanding of the early onset hypothesis and the accumulated transition carcinogenesis.	Isao Kawaguchi	National Institutes for Quantum Science and Technology	Shinji Yoshinaga	Hiroshima University	Conti.
Study on the effect of irradiation on the structure and functions of laminin molecule in basement membarane	Koshikawa Naohiko	Insititute of Science Tokyo	Osamu Kaminuma	Hiroshima University	Conti.
Mechanisms of cancer immune surveillance in Radiation Carcinogenesis	Yohei Kawano	Hiroshima University	Megumi Sasatani	Hiroshima University	New
Interplay between aberrant protein post-translational modifications and radiation stress in myeloid transformation	Takeshi Ueda	Kindai University	Osamu Kaminuma	Hiroshima University	New
A study of DNA mutations in hematopoietic cells following fetal irradiation of mice	Kanya Hamasaki	Radiation Effects Research Foundation	Megumi Sasatani	Hiroshima University	New
Study of rultraviolet (U.V.) exposed induced senescence in HCE-T cells	Wang Duo	University of Occupational and Environmental Health,Japan	Keiji Suzuki	Nagasaki University	Conti.
Role of DNA G-quadruplex structures in the regulation of radiation-responsive gene expression	Keiko Kawauchi	Konan University	Hideaki Fujita	Hiroshima University	New
Identification of radiation-associated signaling pathways based on the quantification of radiation stress responses in cultured cells	Masataka Taga	Radiation Effects Research Foundation	Megumi Sasatani	Hiroshima University	Conti.
Mass spectrometry-based approach for analyzing the radiation effects in formalin-fixed paraffin-embedded tissue samples	Masataka Taga	Radiation Effects Research Foundation	Megumi Sasatani	Hiroshima University	New
Cellular kinetics of hematopoietic stem cell with Sfpi1 gene deletion in bone marrow and spleen of X-irradiated mice	Mitsuaki Ojima	Oita University of Nursing and Health Sciences	Keiji Suzuki	Nagasaki University	Conti.
Comprehensive understanding of host immune surveillance to develop innovative cancer therapies	Yasuda Tomoharu	Hiroshima University	Osamu Kaminuma	Hiroshima University	Conti.
Development of an anticancer drug screening method targeting error-prone repair pathways activated in cancer cells after irradiation	Kohzaki Masaoki	University of Occupational and Environmental Health, Japan	Keiji Suzuki	Nagasaki University	Conti.
Gene mutation analysis study in basal cell carcinoma	Kazumitsu Sugiura	Fujita Health University	Osamu Kaminuma	Hiroshima University	Conti.
Examination for the enhanced effect of tumor suppression on senesced pancreatic cancer cells by combination of anti-cancer and targeted drugs	Nishimoto Arata	Sanyo-Onoda City University	Tao-Sheng Li	Nagasaki University	Conti.

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Joint Research Title	Joint Researcher (Representative)	Affiliated Organization	Resident Researcher (Representative)	Affiliated Organization	New.・Conti.
The Mechanism of Enhances the Radiation Sensitivity of Non-Small Cell Lung Cancer	Shouhua Zhang	Jiangxi Provincial Children's Hospital	Tao-Sheng Li	Nagasaki University	New
The effect of low-dose irradiation on the functions of tumor-associated macrophages	Shotaro Nakajima	Fukushima Medical University	Osamu Kaminuma	Hiroshima University	Conti.
Molecular mechanisms of radio-resistance in thyroid cancers	Aya Tanaka	Nagasaki University	Norisato Mitsutake	Nagasaki University	Conti.
Radiation exposure-associated chromatin-state alteration risking genomic instability	Yoshioka, Ken-ichi	National Cancer Center	Satoshi Tashiro	Hiroshima University	Conti.
Molecular mechanisms of cell death and plasma membrane damage response	Kenta Moriwaki	Hiroshima University	Osamu Kaminuma	Hiroshima University	New

【Other important projects】

3.Basic research on development of medical care for radiation disasters

Monte Carlo simulation to estimate the influence of body size on the peak efficiency in Whole-body counting	Yuki Tamakuma	Nagasaki University	Sumi Yokoyama	Nagasaki University	New
Analyses of mechanisms underlying lung fibrosis, and serach for target molecules for drug development	Takeshi Nabe	Setsunan University	Osamu Kaminuma	Hiroshima University	Conti.
Development of new therapeutic strategies by regulating NFAT	Noriko Kitamura	Nippon Medical School	Osamu Kaminuma	Hiroshima University	New
Elucidation of mechanisms underlying acquisition of steroid resistance in immune cells	Masaya Matsuda	Setsunan University	Osamu Kaminuma	Hiroshima University	New
Mouse model study of clonal hematopoiesis and cardiovascular disease	Yoichiro Kusunoki	Radiation Effects Research Foundatiom	Megumi Sasatani	Hiroshima University	Conti.
Analysis of stress responsive substances induced by cerebral ischemia	Sakai　Norio	HIroshima University	Satoshi Tashiro	Hiroshima University	Conti.
Nail dosimetry using EPR(Electron Paramagnetic Resonace)	Minoru Miyake	Kagawa University	Hiroshi Yasuda	Hiroshima University	Conti.

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Joint Research Title	Joint Researcher (Representative)	Affiliated Organization	Resident Researcher (Representative)	Affiliated Organization	New.・Conti.
Dose estimation for cattle affected by the nuclear accidnet using nondestructive electron spin resonance	YAMAGUCHI Ichiro	National Institute of Public Health	Hiroshi Yasuda	Hiroshima University	Conti.

【Other important projects】

4.Basic research on regenerative medicine approaches to improve radiation treatment

Regenerative medicine in cardiovascular diseases	Kajikawa Masato	Hiroshima University Hospital	Yukihito Higashi	Hiroshima University	Conti.
Analysis of inflamatory responses induced by necrotic sells	KIsaburo NAGATA	Toho University	Osamu Kaminuma	Hiroshima University	Conti.
Reprogramming of human bone marrow-derived mesenchymal stem cells and treatment of radiation damage to normal tissues	Takuma Hashimoto	Tohoku University	Silvia Natsuko Akutsu	Hiroshima University	Conti.
Analysis of the function of cardiac muscle cells	Chikara　Goto	Hiroshima International University	Yukihito Higashi	Hiroshima University	Conti.
Dose-dependency and reversibility of radiation-induced injury in liver bone marrow mesenchymal stem cells	Juhua Xiao	Jiangxi Provincial Maternal and Child Health Hospital	Tao-Sheng Li	Nagasaki University	New
neurotrophic keratopathy	Liu Yi	Nanjing Hospital of Traditional Chinese Medicine Affiliated to Nanjing University of Chinese Medicine	Tao-Sheng Li	Nagasaki University	New
Musculoskeletal Regenerative Therapy with MSC-derived Exosomes	NOBUO ADACHI	Hiroshima University	Yukihito Higashi	Hiroshima University	Conti.
Elucidating the role of T cell repertoire variation in disease pathogenesis	Inoue Kimiko	Bioresource Research Center, RIKEN	Osamu Kaminuma	Hiroshima University	Conti.
Investigation of the effects of mesenchymal stem cells on radiation-induced cardiovascular lesions	Takahiro Harada	Hiroshima University	Yukihito Higashi	Hiroshima University	Conti.

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Joint Research Title	Joint Researcher (Representative)	Affiliated Organization	Resident Researcher (Representative)	Affiliated Organization	New.・Conti.
【Other important projects】					
5.Evaluative research on health effects and health risks associated with radiation disasters					
Effects of Radiation Exposure on Kidney	Nishiyama Akira	Kagawa University	Yukihito Higashi	Hiroshima University	Conti.
Association of radiation exposure with atherosclerosis and cardiovascular disease among atomic bomb survivors	Nobuo Sasaki	Hiroshima Atomic Bomb Casualty Council	Yukihito Higashi	Hiroshima University	Conti.
Association between parity status and after great disaster psychological stress tolerance	Yasukawa　Sumiyo	Faculty of Health Sciences, Okayama University Institute of Academic and Research	Tetsuya Ohira	Fukushima Medical University	Conti.
Long-term trend of the subjective health: the Fukushima health management survey	Nagai Masato	Iwate Medical University	Tetsuya Ohira	Fukushima Medical University	Conti.
Relationship between dietary patterns after radiation disasters and future mental distress: Fukushima Prefectural Health Survey	Junko Yoshida	Fukuyama University	Tetsuya Ohira	Fukushima Medical University	Conti.
Role of short-chain fatty acids in intestinal immune system	Chiharu Nishiyama	Tokyo University of Science	Osamu Kaminuma	Hiroshima University	Conti.
Relationship between family setting and future obesity after radiation disasters in women: Fukushima Prefectural Health Survey	Nanae Tanemura	Fukushima　University	Tetsuya Ohira	Fukushima Medical University	New
Association between sleep state and mental health state among elementary school children	Takeshi Tanigawa	Juntendo University Graduate School of Medicine	Tetsuya Ohira	Fukushima Medical University	Conti.
Detection of mutational signatures in the cancer tissue of Nagasaki atomic bomb survivors	Yuko Akazawa	Nagasaki University Graduate School of Biomedical Sciences	Masahiro Nakashima	Nagasaki University	Conti.
Clonal hematopoiesis-related somatic mutation analyses in Hiroshima atomic-bomb survivors	Kengo Yoshida	Radiation Effects Research Foundation	Yasushi Miyazaki	Nagasaki University	Conti.
The incidence of diabetes on the association with psychological distress in the cohort of evacuee after the Great East Japan Earthquake in Fukushima, Japan: A 10-year follow-up of the Fukushima Health Management Survey	Ryo KAWASAKI	Graduate School of Medicine, Osaka University	Seiji Yasumura	Fukushima Medical University	Conti.
Cross-sectional and multidisciplinary survey of disaster-related deaths in radiation/nuclear and conventional disasters	Moe Kawashima	Shirakawa Kosei General Hospital	Masaharu Tsubokura	Fukushima Medical University	New

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Joint Research Title	Joint Researcher (Representative)	Affiliated Organization	Resident Researcher (Representative)	Affiliated Organization	New.・Conti.
Kampo Meidicine for treating radiation effect after atomic bombing	Ogawa, Keiko	Hiroshima University Hospital	Akiko Kubota	Hiroshima University	New
Radon Dynamics in Outdoor Environment - Study on Influence Factors on Radon Exhalation Rate from Soil and Accumulation Chamber Technique	Qianhao JIN	Graduate School of Frontier Sciences, The University of Tokyo	Tetsuo Ishikawa	Fukushima Medical University	Conti.
The effects of post-disaster lifestyle changes on the results of health checkups among children and adolescents	Yamagishi Kazumasa	Juntendo University Graduate School of Medicine	Tetsuya Ohira	Fukushima Medical University	Conti.
Association between Laughter and Lifestyle Diseases after the Great East Japan Earthquake	Eri Eguchi	Fukushima Medical University	Tetsuya Ohira	Fukushima Medical University	Conti.
Socio-economic and disaster status and daily life independence level among older people: A longitudinal study based on the Fukushima Health Management Survey	Tomo Takasugi	Hamamatsu University School of Medicine	Seiji Yasumura	Fukushima Medical University	New
Association of PTSD symptoms, mental distress, and CVD among residents in the evacuation area of Fukushima after the Great East Japan Earthquake	Kazuhide Tezuka	Sakamoto Mental Health Center	Tetsuya Ohira	Fukushima Medical University	Conti.
The impact of a disaster on smoking behavior after the Great East Japan Earthquake	Risa Murakami	Kobe University Graduate School of Health Sciences	Tetsuya Ohira	Fukushima Medical University	Conti.
Development of the in vitro γH2AX assay by High Content Screening for biodosimetry purpose	Dwi Ramadhani	Research Center for Radioisotope, Radiopharmaceutical and Biodosimetry Technology	Yu Abe	Nagasaki University	New
A Study of after a disaster mortality trends based on government data, including population flow.	Yuta Inoue	Osaka University	Seiji Yasumura	Fukushima Medical University	New

【Other important projects】

6.Application of radioisotopes to medical diagnosis and treatment

Development of probes for radiotheranostics containing alpha emitter radionuclides	Kazuma Ogawa	Kanazawa University	Kazuhiro Takahashi	Fukushima Medical University	Conti.
Development of a new therapeutic strategy for aspergillosis using radioisotopes	Masato Tashiro	Nagasaki University Graduate School of Biomedical Sciences	Kodai Nishi	Nagasaki University	Conti.

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Joint Research Title	Joint Researcher (Representative)	Affiliated Organization	Resident Researcher (Representative)	Affiliated Organization	New.・Conti.
Development of 211At radiolabeling reaction via aryl boronic acid or ester precursor and its application to radio-theranostics probes	Hiroyuki Kimura	Kanazawa University	Yuto Kondo	Fukushima Medical University	Conti.
The development of clearing agent for drug delivery system	Tatsumi Toshifumi	The University of Tokyo	Kohshin Washiyama	Fukushima Medical University	New
Elucidating the pathogenesis of hematological malignancy via DNA damage and oxidative stress and development of novel therapy	Hiroki Goto	Kumamoto University	Koki Hasegawa	Fukushima Medical University	New
Attempts to treat medical radioactive wasteliquid without relying on drainage equipment	Masahiro Hirota	Shinshu university	Kodai Nishi	Nagasaki University	Conti.
Research for astatine chemical characteristics	Ichiro Nishinaka	National Institutes for Quantum Science and Technology	Kohshin Washiyama	Fukushima Medical University	Conti.
Development of novel radiotheranostics methods targeting tumor hypoxia	Yoichi Shimizu	Kyoto University	Zhao Songji	Fukushima Medical University	Conti.
Establish of analysys method in the oliginal phantom for tau PET imaging	Kei Wagatsuma	Kitasato University	Kenta Miwa	Fukushima Medical University	Conti.
Evaluation of radiopharmaceutical accumulation in Streptococcus pyogenes in imaging of bacterial infections.	Asuka Mizutani	Kanazawa University	Kodai Nishi	Nagasaki University	Conti.
Development of radiotheranostic probes using cancer-specific metabolic mechanisms	Asuka Mizutani	Kanazawa University	Kohshin Washiyama	Fukushima Medical University	Conti.
Development of a targeted theranostics platform using 211At	Hiroyuki Nakamura	Institute of Science Tokyo	Kohshin Washiyama	Fukushima Medical University	Conti.
Development of nuclear medicine imaging for drug-resistant bacterial infection	Masato Kobayashi	Kanazawa University	Kodai Nishi	Nagasaki University	Conti.
Validation of dosimetry analysis using scintigraphy and correlation with renal toxicity of Lu-177-DOTATATE therapy in neuroendocrine neoplasm	Kosuke Yamashita	Kumamoto University	Kenta Miwa	Fukushima Medical University	Conti.
Multimodal (PET/CT/MRI) texture analysis using a heterogeneous phantom.	Honda Kazuma	hirosaki university	Naoyuki Ukon	Fukushima Medical University	New
Phantom development for 18F-labelled myocardial perfusion imaging tracer	Koichi Okuda	Hirosaki University Graduate School of Health Sciences	Naoyuki Ukon	Fukushima Medical University	Conti.

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Joint Research Title	Joint Researcher (Representative)	Affiliated Organization	Resident Researcher (Representative)	Affiliated Organization	New.・Conti.
Development of alpha and beta particle-labeled radiopharmaceuticals for nuclear medicine therapy: Mechanism analysis of radiation injury and molecular design for reducing exposure	TAKESHI FUCHIGAMI	Kanazawa University	Kodai Nishi	Nagasaki University	New

【Other important projects】

7.Medical radiation research

Development of novel radiosensitizing therapy for malignant brain tumors using photosensitizer precursor; 5-aminolevulinic acid	Mishima Kazuhiko	Saitama Medical University	Osamu Kaminuma	Hiroshima University	Conti.
Discussion on A New Framework of Radiation Protection in Veterinary Hospital	WANG Xueqing	The University of Tokyo	Tetsuo Ishikawa	Fukushima Medical University	New
Development of treatment to overcome radioresistance and inhibit radiation pneumonitis in non-small cell lung cancer	Noboru Hattori	Hiroshima University	Yoshihiro Miyata	Hiroshima University	New
Evaluation of the Effectiveness of Radiation Protective Gloves in Reducing Orthopedic Surgeons' Hand Exposure	Keisuke Nagamoto	University of Occupational and Environmental Health, Japan	Satoshi Tashiro	Hiroshima University	Conti.
Development of a method to enhance the release of DAMPs from cancer cells to enhance the therapeutic effect of radioimmunotherapy.	Sato Kakeru	Kanazawa University	Kodai Nishi	Nagasaki University	New
Research on the mechanism of radiation-induced taste disorders	Masaru Konishi	Hiroshima University Hospital	Silvia Natsuko Akutsu	Hiroshima University	Conti.
Research on the Traceability of At-211	Chihiro Shimodan	National Institute of Advanced Industrial Science and Technology (AIST)	Kohshin Washiyama	Fukushima Medical University	New
Effect and Mechanism of Hydrostatic pressure on Radioresistance of Non-small cell lung cancer	Cai Jing	The Second Affiliated Hospital of Nanchang University	Tao-Sheng Li	Nagasaki University	New
Study on the Optimization of Dose and Image Quality in Simple Radiography Due to Differences in Radiation Quality	Yoshiaki Hirofuji	Fukushima Medical University	Takashi Ooba	Fukushima Medical University	Conti.
Development of Radioprotective Agents Targeting Inflammatory Platforms	Akinori Morita	Tokushima University	Megumi Sasatani	Hiroshima University	Conti.
Protective effect of p53 regulators against intestinal damage after multiple-dose irradiation	Yuichi Nishiyama	Tokushima University	Megumi Sasatani	Hiroshima University	Conti.

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Joint Research Title	Joint Researcher (Representative)	Affiliated Organization	Resident Researcher (Representative)	Affiliated Organization	New.・Conti.
Relationship between radiation information and communication style needed by medical professional students	Mitsuyo Itou	Shizuoka College of Medical Science	Sumi Yokoyama	Nagasaki University	Conti.

【Open-topic projects】

Neuroprotective effects of ROCK inhibitors on retinal ganglion cells	Ayaka Edo	Hiroshima University Graduate School of Biomedical and Health Sciences	Satoshi Tashiro	Hiroshima University	Conti.
influences of dam exercise on metabolism in offspring	Fujita Naoto	Hiroshima university	Keiji Tanimoto	Hiroshima University	Conti.
Search for novel therapeutic targets for knee osteoarthritis	Morioka Norimitsu	Hiroshima University	Keiji Tanimoto	Hiroshima University	Conti.
The biology mechanism of reducing effect of hypomagnetic field to cellular ferroptosis in mediating radioadaptive response	Ning-Ang Liu	School of Radiation Medicine and Protection, Suzhou Medical College of Soochow University, China	Jiying Sun	Hiroshima University	New
Elucidating the Impact of NSD1 Heterozygous Deficiency on Fetuses and Neonates	Hidenobu Soejima	Saga University	Koh-ichiro Yoshiura	Nagasaki University	New
The evaluation of materials to avoid the spread of volatile radionuclides such as At-211, an alpha particle emitter	Makoto Tanabe	Fukushima Medical University	Kohshin Washiyama	Fukushima Medical University	Conti.
Effect of antibiotic and hormonal therapy on intrauterine microbial colonization in endometriosis	Khaleque Khan	Kyoto Prefectural University of Medicine	Masahiro Nakashima	Nagasaki University	Conti.
Investigation of treatment effects of adipose-derived mesenchymal stem cells for psoriasis	Ryohei Ogino	Hiroshima University	Keiji Tanimoto	Hiroshima University	Conti.
Elucidation of the mechanism of immune response regulation by exercise	Daisuke Shiiba	Kurashiki University of Science and the Arts	Keiji Tanimoto	Hiroshima University	Conti.
Analysis of the role of innate lymphoid cell in pulmonary arterial hypertension	Susumu Nakae	Hiroshima University	Tatsuo Ichinohe	Hiroshima University	Conti.

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Joint Research Title	Joint Researcher (Representative)	Affiliated Organization	Resident Researcher (Representative)	Affiliated Organization	New.・Conti.
Neural basis of adaptive behaviors coping stress	Hidenori Aizawa	Hiroshima University	Yukihito Higashi	Hiroshima University	Conti.
Elucidation of Auer body-like intracellular inclusions in multiple myeloma cells	MOE KADONO	NHO Hiroshimanishi Medical Center	Satoshi Tashiro	Hiroshima University	New
Molecular Basis for Advancing Radiation Medical Science Using Model Cells/Animals	Takuya IMAMURA	Hiroshima University	Kento Miura	Hiroshima University	Conti.
Kinetic analysis of LAT1 expression and mTOR activation in ovarian cancer	Kosuke Nakamoto	Hiroshima University Hospital	Satoshi Tashiro	Hiroshima University	Conti.
Validation of the association between radiological morphology and proteasome expression in renal cell carcinoma	Kohei Kobatake	Hiroshima university	Osamu Kaminuma	Hiroshima University	Conti.
Investigation of the pathophysiology for hereditary neurological diseases	Masahiro Nakamori	Hiroshima University	Kodai Kume	Hiroshima University	Conti.
Elucidation of epigenetic regulation for brown fat development	Haruya Ohno	Hiroshima University Hospital	Tatsuya Maruhashi	Hiroshima University	Conti.
Functional analysis of calsequestrin mutant protein	Yuko Noda	Akane Foundation Tsuchiya General Hospital	Yukihito Higashi	Hiroshima University	Conti.
The expression of CD109 in differentiated high-grade thyroid carcinoma(DHGTC) and its molecular pathological analysis	Cohen Tomoko	Nagasaki University Graduate School of Biomedical Sciences	Katsuya Matsuda	Nagasaki University	New
Analysis of Staphylococcus aureus derived from atopic dermatitis and innate immunity	msasaya moriwaki	Hiroshima University	Osamu Kaminuma	Hiroshima University	Conti.
Development of genome-editing technology useful for creating mouse models to analyze the effects of radiation	Aoto Kazushi	Hiroshima university	Osamu Kaminuma	Hiroshima University	New
Establishment of bone density evaluation method using a novel bone cutting drill	Reiko Kobatake	Hiroshima University	Tatsuo Ichinohe	Hiroshima University	Conti.
Elucidation of the mechanisms of environmental chemical toxicity and disease pathogenesis focusing on morphological and functional changes in organelles	Masatsugu Miyara	Hiroshima University	Keiji Tanimoto	Hiroshima University	Conti.

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Joint Research Title	Joint Researcher (Representative)	Affiliated Organization	Resident Researcher (Representative)	Affiliated Organization	New.・Conti.
Prolyl isomerasea are committed to the onset of both cancer and metabolic syndromes	Nakatsu Yusuke	Hiroshima University	Megumi Sasatani	Hiroshima University	Conti.
Functional analysis of primary cilia using knockout cells	Koji Ikegami	Hiroshima University	Osamu Kaminuma	Hiroshima University	Conti.
Exploring the regulatory function of protein droplets formed through liquid-liquid phase seperation (LLPS) in cells	Kyota Yasuda	Hiroshima University	Satoshi Tashiro	Hiroshima University	Conti.
Analysis of genes involved in the development of neuroblastoma	Kanda Akifumi	Hiroshima University	Keiji Tanimoto	Hiroshima University	New
Influence of integrator complex subunit 6 on the malignant behavior in hepatocellular carcinoma	Kanno Keishi	Hiroshima University Hospital	Yukihito Higashi	Hiroshima University	New
Lung diaphragm protection strategy via modulation of spontaneous respiratory effort with partial neuromuscular blockade in ARDS	Tatsutoshi Shimatani	Graduate School of Biomedical and Health Sciences, Hiroshima University	Tatsuo Ichinohe	Hiroshima University	Conti.
Elucidation of intramyocardial calcium dynamics in A kinase anchor protein mutants	Yukiko Nakano	Hiroshima University	Satoshi Tashiro	Hiroshima University	Conti.
Maintenance of skeletal muscle homeostasis in hibernating animals through active hypometabolism	Mitsunori Miyazaki	Hiroshima University	Keiji Tanimoto	Hiroshima University	New
Analysis of transplantation and tumor antigen-specific immune response	Hideki Ohdan	Hiroshima University	Satoshi Tashiro	Hiroshima University	Conti.
inducible gene expression system	Teruhisa Fujii	Hiroshima University Hospital	Satoshi Tashiro	Hiroshima University	Conti.