

【Low dose radiation effects and health risk study】

No.	Application research title	Applicant Name	Affiliated institute	Research Collaborators
T22-01-001	Basic research on the effects of nuclear medicine therapy with a low or high linear energy transfer to normal tissues function	Takashi Kudo	Nagasaki University	None
		ZHAO Songji	Fukushima Medical University	
T22-01-002	Tissue-based spatiotemporal study of dose-rate effects using animal models	Osamu Kaminuma	Hiroshima University	Hidehiko Kawai
		Megumi Sasatani	Hiroshima University	
		Yasuko Honjo	Hiroshima University	
		Keiji Suzuki	Nagasaki University	
T22-01-003	Mechanism of genome rearrangement caused by low-dose-rate/low-dose radiation	Keiei Son	Hiroshima University	None
		Keiji Suzuki	Nagasaki University	
T22-01-004	Biological dosimetry by chromosomal translocation analysis using peripheral blood lymphocytes of children with thyroid cancer in Fukushima Prefecture	Shinya Matsuura	Hiroshima University	Shinichi Suzuki Maki Sato Satoshi Suzuki
		Akira Sakai	Fukushima Medical University	
		Tetsuo Ishikawa	Fukushima Medical University	
		Tetsuya Ohira	Fukushima Medical University	
		Mitsuaki Hosoya	Fukushima Medical University	
T22-01-005	Establishment and analysis of radiosensitive cells using genome editing technique	Hideshi Kawakami	Hiroshima University	None
		Shinya Matsuura	Hiroshima University	
		Koh-ichiro Yoshiura	Nagasaki University	
T22-01-006	Biological effects of low dose exposure to $^{56}\text{MnO}_2$ particles in rodents	Nariaki Fujimoto	Hiroshima University	Masaharu Hoshi
		Masahiro Nakashima	Nagasaki University	
		MUSSAZHANOVA Zhanna	Nagasaki University	
T22-01-007	Elucidation of the pathogenetic mechanism of multiple myeloma using normal Blymphocyte-derived iPS cells	Kenji Kamiya	Hiroshima University	None
		Megumi Sasatani	Hiroshima University	
		Akira Sakai	Fukushima Medical University	
T22-01-008	Analysis of the effects of low-dose radiation on the process of chromosome aberration induction	Naomi Hayashida	Nagasaki University	None
		Naohiro Tsuyama	Fukushima Medical University	
T22-01-009	A platform for evaluation of individual differences in radiation exposure effects based on iPS cells and optical technology.	Tomonobu Watanabe	Hiroshima University	None
		Naohiro Tsuyama	Fukushima Medical University	
T22-01-010	A radiation-induced DNA damage imaging method based on single molecule super-resolution technology	Tomonobu Watanabe	Hiroshima University	None
		Ken-ichi Kudo	Fukushima Medical University	
T22-01-011	Molecular patho-microdosimetric analysis of cell damage by experimental internal radiation exposure and pathological mechanism	Kazuko Shichijo	Nagasaki University	Masaharu Hoshi Toshihiro Takatsuji
		Naoyuki Ukon	Fukushima Medical University	
T22-01-012	Effect and risk of alpha radiation on chromosomal abnormality in normal somatic cells	Yu Abe	Nagasaki University	None
		Noboru Oriuchi	Fukushima Medical University	
T22-01-013	Elucidation of the natural history of pediatric thyroid cancer in Fukushima Prefecture	Kenji Kamiya	Hiroshima University	Satoshi Suzuki
		Hiroki Shimura	Fukushima Medical University	
		Satoru Suzuki	Fukushima Medical University	
		Susumu Yokoya	Fukushima Medical University	
		Takashi Matsuzuka	Fukushima Medical University	

T22-01-014	Cancer risk among entrants: a pooled analysis of a-bomb survivors data based on two databases	Shinji Yoshinaga	Hiroshima University	None
		Seiko Hirota	Hiroshima University	
		Mariko Mine	Nagasaki University	
		Kenichi Yokota	Nagasaki University	

【Radiation casualty medicine】

No.	Application research title	Applicant Name	Affiliated institute	Research Collaborators
T22-02-015	Development of comprehensive immunotherapy against advanced malignant diseases	Tatsuo Ichinohe	Hiroshima University	Atsushi Kikuta Koji Kono Hiroyuki Suzuki
		Hitoshi Ohto	Fukushima Medical University	
		Masao Kobayakawa	Fukushima Medical University	
		Yoshiyuki Suzuki	Fukushima Medical University	
T22-02-016	Hypoxic signaling in radiation-casualty medicine	Keiji Tanimoto	Hiroshima University	None
		Tao-Sheng Li	Nagasaki University	
T22-02-017	Studies on thyroid cancer with animal models.	Nariaki Fujimoto	Hiroshima University	None
		Yuji Nagayama	Nagasaki University	
		Mutsumi Matsuyama	Nagasaki University	
T22-02-018	Establishment of A System of Regenerative Medicine for Radiation Emergencies	Yukihito Higashi	Hiroshima University	None
		Tao-Sheng Li	Nagasaki University	
		Takafumi Ishida	Fukushima Medical University	
		Yasuchika Takeishi	Fukushima Medical University	
T22-02-019	Elucidation of the molecular pathogenesis of radiation-associated myelodysplastic syndrome	Tatsuo Ichinohe	Hiroshima University	None
		Toshiya Inaba	Hiroshima University	
		Osamu Kaminuma	Hiroshima University	
		Yasushi Miyazaki	Nagasaki University	
T22-02-020	Basic study on the therapeutic effect of α -particle-emitting radionuclide, astatine-211(^{211}At)-labeled anti-CD33 antibody on acute myeloid leukemia and its effect on normal tissues	Reiko Ideguchi	Nagasaki University	None
		ZHAO Songji	Fukushima Medical University	
T22-02-021	Investigation of Physical and Mental Stress Factors of Nuclear Disaster Responders by Using Variation of Physiological Indices of Newly Developed Shirt Type Electrocardiograph	Norisato Mitsutake	Nagasaki University	Keita Iyama
		Arihumi Hasegawa	Fukushima Medical University	
T22-02-022	Study on nuclear disaster medical training in COVID-19 pandemic	Nobuyuki Hirohashi	Hiroshima University	None
		Masaharu Maeda	Fukushima Medical University	

【Social impact of a radiation disaster and radiological protection】

No.	Application research title	Applicant Name	Affiliated institute	Research Collaborators
T22-03-023	Archives studies of research records on radiation exposure at research institutes	Akiko Kubota	Hiroshima University	None
		Noboru Takamura	Nagasaki University	
T22-03-024	Fukushima residents' anxiety about health effect due to media information on radiation disaster and improvement of radiation information literacy	Shinji Yoshinaga	Hiroshima University	None
		Seiko Hirota	Hiroshima University	
		Seiji Yasumura	Fukushima Medical University	

T22-03-025	A study of the effects of public participation in monitoring health and well-being after the nuclear accident	Hiroshi Yasuda	Hiroshima University	None
		Makiko Orita	Nagasaki University	
		Takashi Ohba	Fukushima Medical University	
T22-03-026	Factors Affecting the Work Intentions to Disaster Responders: Toward the Development of Communicators in Diverse Occupations	Noboru Takamura	Nagasaki University	Keita Iyama
		Arihumi Hasegawa	Fukushima Medical University	
		Takashi Ohba	Fukushima Medical University	
T22-03-027	Health effects of the elderly in the victims of the Fukushima nuclear accident learning from the Nagasaki atomic bomb survivors	Mariko Mine	Nagasaki University	None
		Kenichi Yokota	Nagasaki University	
		Seiji Yasumura	Fukushima Medical University	

【Medical radiation research】

No.	Application research title	Applicant Name	Affiliated institute	Research Collaborators
T22-04-028	Health effect of medical radiation exposure	Morihito Okada	Hiroshima University	None
		Satoshi Tashiro	Hiroshima University	
		Takashi Kudo	Nagasaki University	
		Takafumi Ishida	Fukushima Medical University	
		Yasuchika Takeishi	Fukushima Medical University	
T22-04-029	Elucidation of the role of p63 protein in radiation response using human mammary organoids	Yukihito Higashi	Hiroshima University	None
		Tatsuya Maruhashi	Hiroshima University	
		Ken-ichi Kudo	Fukushima Medical University	
T22-04-030	Regulation mechanisms of ERBB and radiation response in hypoxic breast cancer cells	Keiji Tanimoto	Hiroshima University	None
		Shigehira Saji	Fukushima Medical University	
T22-04-031	Prediction of radiation damage based on theoretical calculations using Monte Carlo simulation and fusion of dosimetry with alpha camera and SPECT	Reiko Ideguchi	Nagasaki University	None
		Kohshin Washiyama	Fukushima Medical University	
		Naoyuki Ukon	Fukushima Medical University	
T22-04-032	Risk of secondary malignancy associated with alpha radiation and chromosomal abnormality	Yu Abe	Nagasaki University	None
		Noboru Oriuchi	Fukushima Medical University	