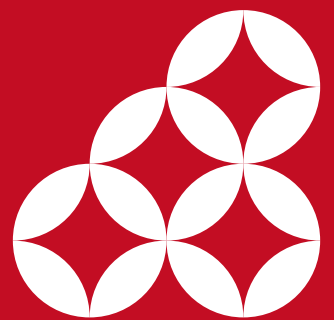
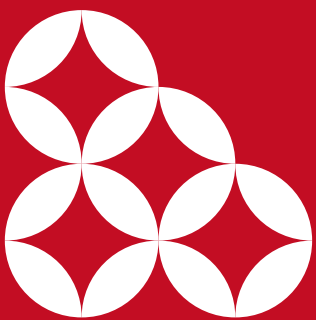


Poster Programme

JRRS & JHPS



ICRP  **2023**

7th International Symposium on the System of Radiological Protection
6-9 NOVEMBER 2023 • TOKYO, JAPAN

The 66th Annual Meeting of the Japanese Radiation Research Society

JOINT POSTERS (ONSITE & ONLINE)

[On-site Poster Session: 9 November from 15:30 to 16:00, Palais Royal A]

- 1001 Study of in Vivo and in Vitro Rejoining of Double Strand Breaks Enzymatically Induced in EGFP Expressing Plasmid DNA**
Shuma EDA¹
¹*Col. Sci., Ibaraki Univ*
Abstract & Poster: Onsite Only
- 1002 The Effect of Ionizing Radiation on Testicular Interstitial Cells**
Esraa TAMAM¹, Tao-Sheng LI¹, Chen YAN¹, Reiko SEKIYA¹
1Nagasaki University
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/6a46704b-2b2e-41ae-a60f-f12f38bead8f>
- 1003 Investigation of DNA Double-strand Breaks Repair under a Low ATP Condition**
Ryota HAYASHI¹
¹*Keio University*
Abstract & Poster: Onsite Only
- 1004 Replication-associated DNA Single-strand Breaks Trigger PARP Inhibitor Sensitivity in XRCC1-deficient Cells**
Rikiya IMAMURA¹
¹*Tokyo Institute of Technology*
Abstract & Poster: Onsite Only
- 1005 Radiation Damage to Plasmid DNA in Dilute aqueous Solution: Inhibition of Strand Breaks and Base Lesions by Addition of Amino Acids and Influence of Their Side Chains**
Shunsuke SHINOHARA¹
¹*UTokyo*
Abstract & Poster: Onsite Only
- 1006 Investigating the Relationship between Intracellular Temperature Changes and the Formation of 53BP1 Liquid Droplets Following X-ray Irradiation**
Risa UJIIE^{1,2}
¹*Kyoto University*, ²*National Institutes for Quantum Science and Technology*
Abstract & Poster: Onsite Only
- 1007 Strand Breaks Frequency and Efficiency of EGFP Appearance in Non- irradiated Cells of X-ray Irradiated EGFP Plasmid DNA Samples Containing Br-dUMP**
Yuma ITO¹
¹*Ibaraki Univ.*
Abstract & Poster: Onsite Only
- 1008 Analysis of Radiosensitization Effect by the Combination with PLK1 Inhibition and Heavy Particle Beam in p53 Mutant Cells**
Shoya TADA¹, Kaima TSUKADA¹, Rikiya IMAMURA¹, Risa MITOYA¹, Ryoichi HIRAYAMA², Mikio SHIMADA¹, Yoshihisa MATSUMOTO¹
¹*Tokyo Institute of Technology, Japan*, ²*QST, Japan*
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/c54ae49e-df22-4b94-b7d3-d009d6d9e81c>

- 1009 Anti-aging Effect of Klotho via Protecting Chromosomal DNA**
Yoshitaka KAMIMURA¹, Jying SUN¹, Yasunori HORIKOSHI¹, Satoshi TASHIRO¹
¹RIRBM, JAPAN
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/3254a629-cee5-4470-86a8-c2469cac32e2>
- 1010 Investigation of the Regulatory Mechanism of Adherens Junction Mediated by H2AX in Human Colon Cancer Cells**
Raiha HIGANO¹
¹Ibaraki University
Abstract & Poster: Onsite Only
- 1011 Cellular Characterization of Immortalized Cells Derived from a Murine Model of DNA Ligase IV Syndrome**
Sakina TOYOZATO¹
¹Group of Radiation Biology, Department of Biological Chemistry, Graduate School of Science, Osaka Metropolitan University
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/a3f8647a-ccb4-4f1e-b5a7-dc874ae6ae17>
- 1012 Low Dose Rate Irradiation Reduces Survival of HeLa S3-GRX I-deficient Cells**
Takayuki TATEISHI¹
¹Kyoto University
Abstract & Poster: Onsite Only
- 1013 The Impact of Secondary DNA Damage Caused by Incomplete NER on UV-induced Mutagenesis and Genome Stability**
Yui KUSHII¹
¹Kanazawa University
Abstract & Poster: Onsite Only
- 1014 The Relationship between Tau Molecular Pathology and DNA Damage Repair Mechanisms**
Megumi UTSUGI-ASADA¹
¹Shiga University of Medical Science
Abstract & Poster: Onsite Only
- 1015 The LET Dependences of DNA Damage Yields and Clustering Induced in the Cell-Mimetic Condition Compared with Those in Water**
Ken AKAMATSU¹
¹QST
Abstract & Poster: Onsite Only
- 1016 Study of Histone H3K9 Methyltransferase SETDB1 on Genomic Instability**
Haruka ASAI^{1,2}
¹Tokyo Medical and Dental University, ²National Cancer Center Research Institute
Abstract & Poster: Onsite Only
- 1017 Detection of Genotoxic Reactions Through Directly Analyzing DNA Damage Responses on Chromatin Fraction**
Katsuyoshi HORIBATA¹
¹National Institute of Health Sciences
Abstract & Poster: Onsite Only

- 1018 Evaluation of the Effect of Spatial Arrangement of DNA on Radiation- induced DNA Damage Distribution by Simulation**
Ritsuko WATANABE¹
¹Inst. Quantum Life Sci.
Abstract & Poster: Onsite Only
- 1019 Role of CHD7, Chromodomain Helicase DNA Binding Protein 7, in Radiation Induced Fetal Malformations**
Kaori MURAMOTO¹, Shuji MISHIMA¹, Asao NODA¹
¹Radiation Effects Research Foundation
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/6f555730-13ab-4387-b859-b98143697836>
- 1020 Analysis of RFWD3 Functions in DNA Damage Tolerance**
Rie KANAOKA¹
¹Nagoya University
Abstract & Poster: Onsite Only
- 1021 COX-2 Enhances Radio-resistance in Bystander A549 Human Lung Cancer Cells**
Alisa KOBAYASHI¹, Yota HIROYAMA², Taisei MAMIYA³, Masakazu OIKAWA¹, Takashi SHIMOKAWA¹, Teruaki KONISHI⁴
¹QST, Institute for Quantum Medical Science, Department of Accelerator and Medical Physics, Japan, ²Chiba University Hospital, Department of Radiology, Japan, ³Rikkyo University, Department of Physics, Japan, ⁴Institute for Quantum Life Science, Single Ce
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/b1d565f3-8699-4dcd-96c9-b6ada92efc5e>
- 1022 Early-life Atomic-bomb Irradiation Accelerates Immunological Aging and Elevates Immune-related Intracellular Reactive Oxygen Species**
Tomonori HAYASHI¹
¹Radiation Effects Research Foundation
Abstract & Poster: Onsite Only
- 1023 QST's Quantum-applied Biotechnology to Improve the Accuracy and Efficiency of Nematode Experiments**
Michiyo SUZUKI¹
¹QST
Abstract & Poster: Onsite Only
- 1024 Unlock the DNA Repair Process by its Dynamics**
Noriyuki Ouchi¹
¹QST, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/4c1e79e8-0390-4da2-98e3-db09864b400d>
- 1025 X-ray-induced Apoptosis in Neurons of Mouse Fetal Striatum and Its Cellular Origin**
Sayaka UEMURA¹
¹Group of Radiation Biology, Department of Biological Chemistry, Graduate School of Science, Osaka Metropolitan University
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/1b6a7add-1962-4d8d-828d-47d8b7c9d02c>
- 1026 Effects of X-rays on AB-induced Cytotoxicity**
Yuuka NITTA¹
¹Yokohama Univ
Abstract & Poster: Onsite Only

- 1027 Organ Dose Rate Conversion Coefficients for Internal and External Exposure of Japanese macaques for ^{134}Cs , ^{137}Cs , ^{129}I , ^{131}I**
Yuta TAKAMURA¹
¹Hiroshima Univ.
Abstract & Poster: Onsite Only
- 1028 Improvement of a Hyper-sensitive Mutation Assay System by Genome Editing Technique**
Tomoki MYODO¹
¹Ibaraki University
Abstract & Poster: Onsite Only
- 1029 Distribution of a Stress Responding Noncoding RNA, MALAT1, in Nuclei of Cancer and Normal Human Cells**
Keisuke TAKESHITA¹
¹Ibaraki Univ.
Abstract & Poster: Onsite Only
- 1030 Radiation-induced Bystander Effect in Starfish (*Patiria pectinifera*) Oocyte**
Kentaro ARIYOSHI¹
¹Fukushima Medical University
Abstract & Poster: Onsite Only
- 1031 Biological Significance of ARP8 Phosphorylation Induced by Replication Stress**
Jiyong SUN¹
¹Hiroshima Univ.
Abstract & Poster: Onsite Only
- 1032 Search for Molecular Indicators for Risk assessment of Radiation-induced Cancer by Genomic Analysis**
Kenshi SUZUKI¹
¹QST
Abstract & Poster: Onsite Only
- 1033 Comprehensive Analysis of the Effects of Radon inhalation on Protein Expression in Mouse Brain**
Takahiro KATAOKA¹
¹Okayama University
Abstract & Poster: Onsite Only
- 1034 Establishment of High-sensitive Methods to Quantify γ H2AX foci and DNA Damage-induced RNAs after Low-dose X-irradiation in a Human Lymphoid Cell Line MOLT-3**
Izumi TANAKA¹
¹QST
Abstract & Poster: Onsite Only
- 1035 Evaluation of Carcinogenesis of Low Dose and Low Dose Rate Radiation Using Radiation Induced Tumor Identification Method in C3B6F1 $\text{Apc}^{\text{Min/+}}$ Mice**
Hiromi YANAGIHARA¹, Takamitsu MORIOKA¹, Yutaka YAMADA¹, Megumi TACHIKAWA¹, Hirotaka TACHIBANA^{1,2}, Kazuhiro DAINO¹, Chizuru TSURUOKA¹, Yoshiko AMASAKI¹, Tatsuhiko IMAOKA¹, Shizuko KAKINUMA¹
¹QST, Japan, ²CRIEPI, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/7ffedce9-ccca-43e6-a90d-ade68fb52aeb>

- 1036 Does Sparse Radiation Exposure Affect Cell Competition in the Population of Rat Primary Mammary Cells?**
Yukiko NISHIMURA¹
¹*QST*
Abstract & Poster: Onsite Only
- 1037 Changes in Sulfur Metabolism Following Radon Inhalation in Mouse Heart**
Norie KANZAKI¹, Akihiro SAKODA¹, Takahiro KATAOKA², Kiyonori YAMAOKA²
IJAEA, Japan, ²Okayama University, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/bdc082dc-e2dc-4a4a-aa48-617ead399bf9>
- 1038 Effect of Radio-protector and Radio-mitigator on Bone-marrow Death of Mouse Induced by Whole Body Irradiation of Heavy-ion (carbon-ion) Beam**
Megumi UENO¹
¹*QST*
Abstract & Poster: Onsite Only
- 1039 Bystander Cellular Effects through Gap-junction-mediated Cell-to-cell Communication between Carbon-Ion Irradiated Tumor and Unirradiated Normal Cells**
Masao SUZUKI¹
¹*QST*
Abstract & Poster: Onsite Only
- 1040 Analysis of Mutational Signatures Induced by γ -ray Irradiation**
Yuya MANAKA^{1,2}
¹National Cancer Center Research Institute, ²Tokyo Medical and Dental University
Abstract & Poster: Onsite Only
- 1041 Study on Mutation of *S. Cerevisiae* Induced by Gamma-rays and Particle Ion Beams**
Hiroyuki ANDO¹
¹University of Fukui
Abstract & Poster: Onsite Only
- 1042 Development of Shortened Chemical-induced PCC Technique for Emergency Radiation Medicine**
Ryo NAKAYAMA¹, Kaito YANAGIDATE², Valerie GOH³, Kentaro ARIYOSHI⁴, Kosuke KASAI¹, Donovan ANDERSON¹, William BLAKELY⁵, Mitsuaki YOSHIDA⁶, Tomisato MIURA¹
¹Hirosaki University, Japan, ²Niigata University, Japan, ³SNRSI/NUS, Singapore, ⁴Fukushima Medical University, Japan, ⁵AFRR/USUHS, U.S., ⁶Institute of chromosome life science, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/42424537-478c-4da6-bb93-907d62c450fa>
- 1043 PNA-FISH and Gamma H2AX as Possible Predictors of Radiotherapy-induced Severe Pneumonitis in Lung Cancer Patients**
Gloriamaris CARAOS¹, Nobuki IMANO², Jiyang SUN¹, Satoshi TASHIRO¹
¹Hiroshima University, Japan, ²Hiroshima University Hospital, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/78a5e803-2392-425c-8fc4-df53330b0f36>
- 1044 Analysis of the Effects of Enriched Environments (EE) on Radiation-induced Carcinogenesis and the Association of BDNF to EE Effects on Radiation-induced Inflammatory Responses**
Tomoki TAKEMURA¹
¹Ibaraki University
Abstract & Poster: Onsite Only

- 1045 Cancer Preventive Effects of Resveratrol as a Phytochemical on Radiation-induced Intestinal Tumors in C3B6F1 Apc^{Min/+} Mice**
Kenta TAKEUCHI^{1,2}
¹QST,²The Univ. of Tokyo
 Abstract & Poster: Onsite Only
- 1046 Echoed Induction of Nucleotide Variants and Chromosomal Structural Variants in Cancer Cells**
Yusuke MATSUNO¹, Rika KUSUMOTO-MATSUO¹, Yuya MANAKA¹, Haruka ASAI¹, Ken-ichi YOSHIOKA¹
¹NCC, Japan
 Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/2553e242-4ab7-4379-b98a-d674dc50832d>
- 1047 Development of Efficient Disinfection Methods on Filamentous Fungus for the Protection of Cultural Properties**
Masaki YAMADA¹
¹Osaka Metropolitan University
 Abstract & Poster: Onsite Only
- 1048 Characterization of Carbon-ion and Gamma-ray Induced Mutations in Arabidopsis**
Yoshihiro HASE¹, Katsuya SATOH¹, Satoshi KITAMURA¹, Yutaka OONO¹
¹QST, Japan
 Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/02e1df8a-a4a1-4cb7-a951-285e05c533a7>
- 1049 Chronic Internal Exposure to Cs-137 Increases Somatic Mutation Frequency but not Tumor Frequency in Intestines of DNA Mismatch Repair-deficient Mice**
Mizuki OHNO¹, Noriko TAKANO¹, Hiroshi ISHIHARA², Hiroo NAKAJIMA³
¹Kyushu University, Japan, ²National Institutes for Quantum Science and Technology, Japan, ³Osaka University, Japan
 Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/d1ab2c25-ccdf-4fae-99cd-7ec4b51f59ae>
- 1050 No Increase in Translocated Chromosomal Aberrations Caused by the Nuclear Power Plant Accident in Childhood Thyroid Cancer Patients in Fukushima Prefecture**
Akira SAKAI¹, Naohiro TSUYAMA¹, Tetsuya OHIRA¹, Misaki SUGAI-TAKAHASHI¹, Takashi OHBA¹, Yusuke AZAMI², Yoshiko MATSUMOTO¹, Manabu IWADATE¹, Satoshi SUZUKI¹, Maki SATO¹, Mitsuaki HOSOYA¹, Tetsuo ISHIKAWA¹, Shinichi SUZUKI¹
¹Fukushima Medical University School of Medicine, Japan, ²Southern Tohoku General Hospital
 Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/3c767fcb-978e-49a3-b60f-bacf1f620cf0>
- 1051 I-131 Treatment Induces Dicentric Chromosomes in Peripheral Blood Lymphocytes Obtained from Graves' Disease Patients**
Tomisato MIURA¹, Ryo NAKAYAMA¹, Ryunosuke SATO¹, Miyabi SUZUKI¹, Daichi YAMAMOTO¹, Donovan ANDERSON², Mai Thanh TRAN^{1,3}, Valerie Swee Ting GOH⁴, Yohei FUJISHIMA¹, Yasushi MARIYA⁵
¹IREM, Hirosaki Uni., Japan, ²Department of Risk Analysis and Biodosimetry, Hirosaki University Institute of Radiation Emergency Medicine, Hirosaki, Japan, ³DNRI, VINATOM, Vietnam, ⁴SNRSI/NUS, Singapore, ⁵Dept. Radiat. Oncol., Aomori Rosai Hospital, Japan
 Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/ced552f3-e529-4ba9-83b9-f2e36edcb900>
- 1052 Genomic Structure Analysis of Radiation-induced Rat Mammary Sarcinoma**
Atsuko ISHIKAWA¹
¹QST
 Abstract & Poster: Onsite Only

- 1053 Mathematical Model of Radiation Breast Cancer Risk in Humans Considering the Number of Driver Mutations and the Effect of Menopause**
Tatsuhiko IMAOKA¹, Yuya HATTORI², Kento NAGATA¹, Yukiko NISHIMURA¹, Kazuhiro DAINO¹, Ritsuko WATANABE¹, Akinari YOKOYA¹
¹*QST, Japan*, ²*National Institute of Technology Kure College, Japan*
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/7866ffe7-fc68-46ee-ad00-3d9f0825d60a>
- 1054 Roles of the Pax5 Gene in Radiation-induced Mouse B-ALL**
Hiroataka TACHIBANA^{1,2}
¹*CRIEPI*, ²*QST*
Abstract & Poster: Onsite Only
- 1055 Radiation-related Genomic Alterations in Rat Mammary Carcinomas**
Kazuhiro DAINO¹
¹*QST*
Abstract & Poster: Onsite Only
- 1056 Differential Gene Expression Between Sporadic and Radiation-associated Thyroid Cancers**
Kotaro HARAKAWA¹
¹*Nagasaki University*
Abstract & Poster: Onsite Only
- 1057 The Mechanistic Analysis of Carbon-ion Induced Mouse Thymic Lymphoma -Involvement of Aberrant Expression of Grb10 with Carcinogenesis-**
Masaaki SUNAOSHI¹, Erika TAKAHASHI¹, Yoshiko AMASAKI¹, Kazuhiro DAINO¹, Mayumi NISHIMURA¹, Yoshiya SHIMADA², Daisuke IIZUKA¹, Shizuko KAKINUMA¹
¹*QST, Japan*, ²*IES, Japan*
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/b005f185-7faa-4ffd-9828-f26ccaaa734d>
- 1058 Influence of Adulthood Diet-induced Obesity (DIO) on Tumorigenesis and Tumor Development after Early Life EXposure to Radiation**
Yi SHANG¹
¹*QST*
Abstract & Poster: Onsite Only
- 1059 Genome-wide Mutational Patterns in Mouse T-cell Lymphomas Induced by a Combination of X-rays and a Chemical Carcinogen**
Yoshiko AMASAKI¹
¹*QST*
Abstract & Poster: Onsite Only
- 1060 Elucidation of the Developmental Mechanism for Radiation-induced Medulloblastoma**
Chizuru TSURUOKA¹
¹*QST, Japan*
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/7db681fa-eb1f-4ed1-8b5f-265570c496cd>
- 1061 Effects of Combined Exposure to Radiation and Inflammation on Colon Tumorigenesis in Mlh1 - deficient Mice**
Takamitsu MORIOKA¹
¹*QST*
Abstract & Poster: Onsite Only

- 1062 Tumor Suppression Effects of Antioxidant Administration in the Early Stages of Radiation-Induced Tumorigenesis**
Kazumi YAMAUCHI¹, Yuki TSUTSUMI², Toshiyuki KOBAYASHI¹, Jun-ichiro KOMURA¹
¹IES, Japan, ²TESSCO, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/bfbbffce-393e-42bd-a0ee-37e449f0f4bc>
- 1063 Analysis of Accumulation Kinetics of Senescent Cells in Mice Exposed to Ionizing Radiation**
Takafumi NAKAYAMA¹
¹Nagasaki University
Abstract & Poster: Onsite Only
- 1064 Modification of Radiation Effects by Psychosocial Stress in Tumor-allografted Mice (III)**
Yasuharu NINOMIYA¹, Tatsuhiko IMAOKA¹, Takamitsu MORIOKA¹, Tetsuo NAKAJIMA¹
¹QST, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/c4d0dc6e-6186-4071-bedc-42b511856cba>
- 1065 Temporal Dynamics of Autophagy and Senescence Induction in Normal Human Diploid Fibroblasts Exposed to X-rays**
Miho NOGUCHI¹
¹QST
Abstract & Poster: Onsite Only
- 1066 Evaluation of the Senolytic Agent Effects on Radiation-induced Senescent Human CD34⁺ Cells**
Junya ISHIKAWA¹, Yuma TAKEHARA¹, Yu HASEGAWA¹
¹Department of Radiological Science, Kyorin University Graduate School of Health Sciences
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/831ef64c-3f0a-48bd-b3d4-97e78f774bef>
- 1067 Sparing and Enhancing Dose Protraction Effects of Radiation for Aortic Damage in Wild-type Mice**
Nobuyuki HAMADA¹, Ki-ichiro KAWANO², Seiko HIROTA², Farina M YUSOFF², Tatsuya MARUHASHI², Makoto MAEDA², Takaharu NOMURA¹, Ayumu NAKASHIMA², Shinji YOSHINAGA², Yukihiro HIGASHI²
¹CRIEPI, Japan, ²Hiroshima University, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/6e5f0a6a-68fc-4e5d-9d0a-a3971de1bc3a>
- 1068 Altered Response to Total Body Irradiation of GFP transgenic Mice**
Cuihua LIU¹
¹QST
Abstract & Poster: Onsite Only
- 1069 Maternal Western Pattern Diet Affects Radiosensitivity of Offspring**
Takanori KATSUBE¹
¹QST
Abstract & Poster: Onsite Only
- 1070 DNA Methylation Analysis with Respect to Radiation Health Effects Based**
Kasumi KAWAMURA¹
¹Nagasaki University
Abstract & Poster: Onsite Only

- 1071 Irradiation to Zebrafish Early Embryos Cause Latent Effects.**
Yasuko HONJO¹, Tatsuo ICHINOHE¹
¹Hiroshima University, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/ef37bf4e-d724-491d-b1f5-69976920d4ad>
- 1072 Improvement of Chromosome Image Analysis Efficiency through Chromosome Morphology Control**
Yu ABE¹
¹Nagasaki Univ
Abstract & Poster: Onsite Only
- 1073 Effects of Juvenile Exposure to Low-dose-rate γ -ray on the Development and Growth of B6C3F1 Mice - Interim Results**
Rei NAKAHIRA¹, Heita MIURA², Ignacia TANAKA¹, Satoshi TANAKA¹, Toshiyuki KOBAYASHI¹
¹IES, Japan, ²JAC Co., Ltd., Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/618b5848-ac8f-4dca-8554-f62c5bfae8c4>
- 1074 Evaluation of Uranium Transfer into Bone Tissues of Rats Exposed to Uranium Acetate**
Shino HOMMA-TAKEDA¹
¹QST
Abstract & Poster: Onsite Only
- 1075 Appearance of Radiation-induced Thymic Atrophy at Lower Doses under the Stress of Changes in the Circadian Rhythm.**
Kouichi MARUYAMA¹
¹QST, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/74ee18ba-9ef8-47d7-8c81-3a205c22a9c4>
- 1076 Elucidation of the Mechanism in Inflammatory and Immune Gene Expression Induced by DNA Damage**
Shunji HARUNA¹
¹Keio University
Abstract & Poster: Onsite Only
- 1077 Correlation between DNA Double-strand Break Levels in PBMC from Patients and Adverse Events During Radiation Therapy**
Takuya MATSUMOTO¹
¹Ibaraki University
Abstract & Poster: Onsite Only
- 1078 Impact of Circadian Changes in Tumor on Therapeutic Efficacy of the Carbon-ion Radiotherapy**
Kazuma ASHISUKE^{1,2}
¹TOHO University, ²QST
Abstract & Poster: Onsite Only
- 1079 The Positivity of All Three Genes cGAS, STING, and RIG-I Expression is Associated with High Levels of Immune Genes in Breast Cancer Cells**
Ken OKUDA¹
¹Keio University
Abstract & Poster: Onsite Only

- 1080 The Radiosensitizing Effect of Self-Assembled Nanoparticle Releasing Dichloroacetic Acid in a Mouse Model of Squamous Cell Carcinoma**
Sato YAMADA¹
¹*Hokkaido University*
Abstract & Poster: Onsite Only
- 1081 Radiosensitizing Effect of C60 Fullerenes Modified with Pluronic L64 (C60/L64) in Mouse Squamous Cell Carcinoma SCC VII Cells**
Fumihito USUDA¹
¹*Hokkaido University*
Abstract & Poster: Onsite Only
- 1082 Tumor Control Probability Analysis of Stereotactic Body Radiotherapy for Lung Cancer Using an Estimation Model Considering Heterogeneous Radiosensitivity of Cancer Cells**
Ryo SAGA^{1,2}, Yusuke MATSUYA^{2,3}, Hideki OBARA^{2,4}, Fumio KOMAI^{2,4}, Hironori YOSHINO^{1,2}, Masahiko AOKI^{1,2}, Yoichiro HOSOKAWA^{1,2}
¹*Hirosaki University*, ²*Japan*, ³*Hokkaido University*, ⁴*Hirosaki University Hospital*
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/64b0b4c3-6a32-4394-9a2e-7af69e17322c>
- 1083 Sustained Activation of the FGF1 Signaling Pathway Inhibits Proliferation, Invasion, and Migration and Enhances Radiosensitivity in Mouse Angiosarcoma Cells**
Taichi MIURA¹
¹*NIRS*
Abstract & Poster: Onsite Only
- 1084 Analysis of Gene Expression Changes in Human Tumor Cells with Different Radiosensitivity after Gamma Irradiation Using RNA-seq**
Seiya KATO¹
¹*Nagoya University*
Abstract & Poster: Onsite Only
- 1085 Heavy-Ion Radiation Sensitivity of Canine Cultured Cell Lines**
Tomoo FUNAYAMA¹, Seiichi WADA², Ryoichi HIRAYAMA¹, Michiyo SUZUKI¹
¹*QST, Japan*, ²*Kitasato University, Japan*
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/966a20cc-9bb5-4a11-8b7d-65191c4153e9>
- 1086 Research for Immune Response Pathway Related Molecules Following Cancer Radiation Therapy**
Junko ZENKOH¹
¹*The University of Tokyo*
Abstract & Poster: Onsite Only
- 1087 Study on Detection Sensitivity for the Measurement of Low Concentration of Malondialdehyde in the Plasm**
Taku SATO¹
¹*Tohoku University*
Abstract & Poster: Onsite Only
- 1088 Radiation Effects on Uterine Corpus Cancer among Atomic-bomb Survivors: 1958-2011**
Mai UTADA¹, Takashi NISHISAKA², Hiromi SUGIYAMA¹, Yuko KADOWAKI¹, Alina BRENNER¹, Ritsu SAKATA¹
¹*RERF, Japan*, ²*Hiroshima Prefectural Hospital, Japan*
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/e9e51389-3d11-41da-b223-d88922ec712b>

- 1089 Overview of the Radiation Epidemiology Analysis System**
Yoshie MIWA¹, Shin'ichi KUDO¹, Hiroshige FURUTA¹, Shin SAIGUSA¹
¹REA, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/2e07ecb8-0799-42e9-b87f-0c4b54d5dae1>
- 1090 Fitting Quadratic and Linear-quadratic Models in a Cohort of Japanese Nuclear Workers**
Shin'ichi KUDO¹, Yoshie MIWA¹, Hiroshige FURUTA¹, Shin SAIGUSA¹
¹REA, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/9df6c021-85b0-4061-8d57-57523ce28201>
- 1091 New Project for Low-Cost Metaphase Finder (9th. report)**
Akira FURUKAWA¹
¹QST, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/f8bbb811-130c-460a-aea5-12e6fb17723b>
- 1092 Thyroid Screening Outcomes and Stable Iodine Intake by Children and Pregnant Women after the 2011 Fukushima Nuclear Disaster in Japan: a Municipality Case Study**
Yoshitaka NISHIKAWA^{1,2}, Chiaki SUZUKI^{1,2}, Fumiya OGURO¹, Yurie KOBASHI^{1,3}, Yoshimitsu TAKAHASHI², Takeo NAKAYAMA², Masaharu TSUBOKURA^{1,3}
¹Hirata Central Hospital, Japan, ²Kyoto University, Japan, ³Fukushima Medical University, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/fl7833a5-ab80-4a8d-a806-040da2d33e41>
- 1093 Evaluation of Effective Dose and Organ Dose Based on Electronic Personal Dosimeter Readings for Epidemiological Studies of Emergency Workers at the TEPCO Fukushima Daiichi Nuclear Power Plant Accident**
Norio TSUJIMURA¹
¹JAEA
Abstract & Poster: Onsite Only
- 1094 Chelating Ability of Uranium using Phosphonate Chelates Evaluated by X-ray Absorption Fine Structure**
Akihiro UEHARA¹
¹QST
Abstract & Poster: Onsite Only
- 1095 Pulse Radiolysis Study on Reaction of Halogenated Nucleotides (Br-dUMP) with Radiation-induced Hydrolysis Products**
Yui OBATA¹, Yuma ITO², Akinari YOKOYA^{3,2}, Shinichi YAMASHITA¹
¹University of Tokyo, Japan, ²Ibaraki University, Japan, ³QST, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/8c3d4525-9ebf-4b29-992e-a1e794f4fb9b>
- 1096 Simulation Study of the H abstraction of DNA Sugar Moiety by OH Radicals using Molecular Dynamics and ab Initio Calculation**
Yoshiyuki HIRANO¹
¹Nagoya University
Abstract & Poster: Onsite Only
- 1097 Free Radical Formation in Aqueous Solutions of Amino Acids Induced by Radiation and Low Temperature Plasma -A Spin Trapping Study-**
Takashi KONDO¹
¹Nagoya University
Abstract & Poster: Onsite Only

- 1098 Evaluation of the Reactivity of Hypervalent Iodine Compounds by Monochromatic X-ray Irradiation**
Maki OHARA¹, Yudai IZUMI¹, Hideo TAKAKURA², Shosei ENOMOTO², Kentaro FUJII¹, Akinari YOKOYA¹, Mikako OGAWA²
¹QST, Japan, ²Hokkaido University, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/e15a1242-e3e4-4e2f-b0eb-fc263c6e50d6>
- 1099 Measuring the Sub-second Half-life of ²¹⁶Po by Capturing the Radiation Tracks of a Cloud Chamber with a Smartphone**
Noriko USAMI¹
¹KEK
Abstract & Poster: Onsite Only
- 1100 Questionnaire Survey on Radiation Anxiety and Education for Fukushima Nuclear Plant Workers 2nd report**
Takuya HAYASHI², Kosuke MAFUNE², Hisashi EGUCHI², Naoki MATSUDA³, Arifumi HASEGAWA⁴, Sae OCHI⁵, Seiichiro TATEISHI², Ryuji OKAZAKI²
¹The University of Kitakyushu, ²University of Occupational and Environmental Health, Japan, ³Nagasaki University, ⁴Fukushima Medical University School of Medicine, ⁵The Jikei University
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/ef76664e-f870-411a-9d57-2cd62973038a>

The 66th Annual Meeting of the Japanese Radiation Research Society

JOINT POSTERS (ONLINE ONLY)

- 1101 Dose Coefficient for Ingested Tritium**
Tsuyoshi MASUDA
Abstract & Poster: -
- 1102 Whole Genome Sequencing-based Analysis of Naturally Occurring and Radiation-induced Mutations in Human Lymphocyte TK6 Clones in Culture**
Enkhbaatar MILAI
Abstract & Poster: -
- 1103 Is It Possible to Reproduce in Mouse Experiments the Events of Mankind's Largest Long-term Internal Exposure Accident that Occurred around the Techa River in the Urals Nuclear Disaster in the 1950s?**
MASAOKI KOHZAKI
Abstract & Poster: -
- 1104 Tumorigenic Effects of Intratracheally Instilled Insoluble Radioactive Particles and X ray-Irradiation in Lungs of A/J mice Initiated with 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone**
Yutaka YAMADA
Abstract & Poster: -
- 1105 Effects of UV-C on Clonal Evolution**
Rika MATSUO¹, Haruka ASAI^{1,2}, Yuya MANAKA^{1,2}, Naoki AKIBA^{1,3}, Yusuke MATSUNO⁴, Ken-ichi YOSHIOKA⁴
¹Laboratory of Genome Stability Maintenance, National Cancer Center; ²Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University, ³Faculty of Advanced Engineering, Tokyo University of Science, ⁴Laboratory of Genome Stability Maintenance, National Cancer Center
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/5ba4a15e-91e8-4538-b2ac-a043f5c701ce>
- 1106 Role of DNA Glycosylase NEIL1 in Action-at-a-distance Mutation Induction by 8-oxo-7,8-dihydroguanine (8-hydroxyguanine)**
Yoshihiro FUJIKAWA¹, Tetsuya SUZUKI¹, Hidehiko KAWAI¹, Hiroyuki KAMIYA¹
¹Hiroshima University, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/184c8193-970c-4609-8968-2de446589c63>
- 1107 Excess Deaths Due to Occupational Exposure among Japanese Nuclear Facility Workers**
Koko NAGAI¹
¹NPO Citizen's Science Initiative Japan, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/1f1a16ae-48b7-4964-8fe4-03682e579c09>
- 1108 More than 100 Problems can be Found in the UNSCEAR 2020/2021 Report Used to Estimate Exposure to the Fukushima Nuclear Accident**
Tadashi HONGYO¹
¹Department of Radiation Biology, Osaka University School of Medicine, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/50a9ca5f-c08a-4fba-a104-037637bee8db>

- 1109 A Critical Review of UNSCEAR2020/2021 Fukushima Report**
Yutaka HAMAOKA¹
¹*Keio University*
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/10d461bf-c3f2-4200-ad16-f73c4c945ab8>
- 1110 IL-6/mTOR/STAT3 Pathway is Involved in the Acquisition of Radiation Resistance in Human Pancreatic Cancer-derived Cell Line by Suppressing Cellular Oxidation**
Yuki TAMARI
Abstract & Poster: -
- 1111 Energy Metabolism in X-ray Induced Premature Senescent Human Cells**
Eri HIROSE¹, Yoshiki YAMANOSHITA², Tomokazu IHARA², Miho NOGUCHI³, Akinari YOKOYA³
¹*JAEA, Japan*, ²*Ibaraki Univ, Japan*, ³*QST, Japan*
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/0c060398-2f73-40e4-86dd-470c51c75570>
- 1112 Promoted Mis-rejoining of X-ray-induced DNA Double Strand Breaks in DNA Ligase IV Homozygous Mutant Mouse Cells**
Seiji KODAMA¹
¹*Group of Radiation Biology, Department of Biological Chemistry, Graduate School of Science, Osaka Metropolitan University, Japan*
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/b7fcb484-1a3b-44bb-a95f-51784548ca6f>

56th Annual Meeting of the Japan Health Physics Society

JOINT POSTERS (ONSITE & ONLINE)

[On-site Poster Session: 9 November from 15:30 to 16:00, Palais Royal A]

- 3001 Radiation Dose Survey for Radiology Technicians in Nuclear Medicine at our Hospital**
Go TAKAMURA¹
¹ 竹田総合病院
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/de651fdb-7410-4a6e-b517-bb96da3f2e>
- 3002 Radiation Shielding Calculation Issues For Self-shielded Radiation Devices**
Ichiro YAMAGUCHI¹
¹NIPH, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/699a53ca-e241-4164-8194-e2ce1f46884a>
- 3003 Introduction of latest Japanese Translations of ICRP Publications-"FY2023 Radiation Protection Fund (Survey of International Commission on Radiological Protection publications for domestic regulations)" by NRAICRP**
(Japanese Title) 刊行物の翻訳状況紹介 原子力規制庁「令和5年度放射線対策委託費（国内規制に係る国際放射線防護委員会刊行物の調査）事業」
Aki HIRASUGI^{1,2}, Qin-you ZHUANG^{1,2}, Asako TAKAMASA^{1,2}, Hideki TOMA^{1,2}
¹Secretariat of ICRP Publications Japanese Translation Project 2023, ²Japan NUS Co., Ltd.
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/01501326-7248-4564-9470-7c694f65e199>
- 3004 Impact of ICRU Report95 New Operational Quantity on Individual Dosimetry Service with RPL glass dosimeter**
Chiaki SAWAI¹, Michiko UBE¹, Yasuhiro KOGUCHI¹
¹Chiyoda Technol Corporation, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/fad86a3d-08d1-48ff-b850-b83446f2380b>
- 3005 Behavior Analysis of Indoor Radioactive Aerosols**
Chutima KRANROD¹, Shinji TOKONAMI¹
¹IREM, Hirosaki Univ., Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/15305c8f-ea63-4b14-a7b8-60665d42c33b>
- 3006 原子力災害前後における放射線情報等の入手と理解の傾向分析と考察**
飯本 武志¹, 高嶋 隆太², 伊藤 真理³, 主原 愛¹, 坂井 識顕⁴, 保田 浩志⁵
¹ 東大, ² 東理大, ³ 神戸大, ⁴ 原文財団, ⁵ 広大
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/cf7009a2-9741-4317-86ac-16204da00860>
- 3007 Evaluation of Photon and Neutron Energy Dependence for Micelle Gel Dosimeter**
Ryosuke NARITA¹, Shin-ichiro HAYASHI², Genichiro WAKABAYASHI³, Yoshinori SAKURAI⁴
¹Grad. Sch. Engineering, Kyoto Univ., Japan, ²Fac. Health Science, Hiroshima International Univ., Japan, ³Atomic Energy Research Institute, Kindai Univ., Japan, ⁴Institute for Integrated Radiation and Nuclear Science, Kyoto Univ., Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/d1e4ab1a-26e4-438b-8a95-c6d874052ad1>

- 3008 実環境中の放射性エアロゾル被ばく評価のための基礎的調査**
Kazuki IWAOKA¹, Rosario ENCABO², Juanario OLIVARES², Yoshito WATANABE¹, Yuki TAMAKUMA³, Masahiro HOSODA⁴, Shinji TOKONAMI⁴, Chitho FELICIANO², Takashi MORITAKE¹
¹QST, Japan, ²PNRI, Philippines, ³Nagasaki Univ, Japan, ⁴Hirosaki Univ, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/5168a0fe-2538-42ed-8ffe-173c042c2d96>
- 3009 Comparison Methodology of Alternative Design Options of Radioactive Waste Disposal Facilities Based on Probabilistic Approach - A Sensitivity Study on Variability of Natural Background Radiation Level in Japan –**
(Japanese Title) 確率論的アプローチに基づく放射性廃棄物処分施設の設計オプション比較方法－日本国内の自然放射線の変動を考慮した感度解析－
Daisuke SUGIYAMA¹, Ryo NAKABAYASHI¹, Kazuma KURODA¹
¹CRIEPI, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/b7513988-7d5e-4ef9-bd05-33725200335c>
- 3010 Research on international trends to be reflected to radiological protection and nuclear emergency preparedness and response in Japan- FY 2023 International Radiological Protection Research by Nuclear Regulation Authority of Japan**
(Japanese Title) 我が国の放射線防護及び原子力災害対策へ反映すべき国際動向の調査(原子力規制庁 令和5年度国際放射線防護調査事業)
Secretariat of Expert Committee on International Radiological Protection Research¹
¹JAPAN NUS Co., Ltd., Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/9b9112b8-582f-458c-9fa1-1cff8ea72a78>
- 3011 Alpha Particle Spectrometry in Fluorescent Nuclear Track Detectors**
Jun Hu¹
¹QST, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/3c6e0863-3f52-4526-a4e4-449cb52f7656>
- 3012 吸収線量の概念に基づいて化学線量計 PVA KI を用いた紫外線照射量の測定**
岩谷 良郎¹
¹大阪公立大
Abstract & Poster: -
- 3013 Review on the Recent Analysis and Measurement Techniques of Bioassay for Establishing its Procedure**
Hiroki FUJITA¹, Hiroya YOKOYAMA¹, Yushi MAEHARA¹, Chie TAKADA¹
¹JAEA, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/a7cdcd16-6817-4fe2-994c-f3a68bad1cd4>
- 3014 Estimating Indoor Radon Risk and Effectiveness of its Reference Level in Japan**
Akihiro Sakoda¹, Yuu ISHIMORI¹
¹JAEA, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/9344207e-d08f-433a-b680-3b2df15af189>
- 3015 放射能の風評に対する内省的実践の概念**
YUTA KAGAMI¹, Kouki INAMURA¹, Koki MIYOSHI¹
¹Teikyo University
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/c8daa84e-d198-496d-89f6-f197df54c6ed>

- 3016 Optimization of Measurement Geometry of Continuous Radioactive Aerosol Monitor in Alpha Spectrometry Using a Monte Carlo simulation -Evaluation of Depth Profile of Activity in Filter and Minimum Detectable Concentration for Artificial Alpha Emitting Radionuclide-**
Yuki TAMAKUMA¹, Hiroki HASHIMOTO², Ryohei YAMADA², Kazuki IWAOKA³, Yasutaka OMORI², Masahiro HOSODA², Shinji TOKONAMI²
¹Nagasaki University, Japan, ²Hirosaki University, Japan, ³QST, Japan
 Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/0855fbb9-b78b-4596-97fd-4f724ec308e0>
- 3017 Long-term Stationary Monitoring Data of KURAMA-II under the On-site Environment**
Yu IGARASHI¹, Takumi HAMAGUCHI¹, Eita MAEDA¹, Jyunya YAMADA¹, Yasunobu MUTO¹, Minoru TANIGAKI², Naofumi NOHARA¹
¹JAEA-OARAI, 2KURRI
 Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/1355383e-4680-4309-9d54-4d60482eb235>
- 3018 Development of a Rapid Analysis of Radiostrontium in Seawater and Inland Water Using a Barium Silicate Based Strontium Sorbent**
Yoshimune OGATA¹
¹Aichi Medical University
 Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/3282c37d-6a6d-4f94-9e5b-7971805dbebb>
- 3019 Comparison of Survey Meter Characteristics in the Am-241 Calibration Field and in the X-ray Calibration Field**
Tomoya TSUJI¹, Hiroshi YOSHITOMI¹, Yoshihiko TANIMURA¹
¹Japan Atomic Energy Agency, Japan
 Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/ca2c18b1-4066-40bd-a3f6-771b588ed5fe>
- 3020 アニールの繰り返しによる OSL 線量計の特性調査**
前田 剛¹
¹JAEA
 Abstract & Poster: -
- 3021 「被ばくのカテゴリーと被ばく状況に関する検討委員会」活動報告**
杉浦 紳之¹
¹Chiyoda Technol
 Abstract & Poster: -
- 3022 Radiological Protection Based on the Science of Radiation Effects and on International Human Rights and Environmental Justice**
 (Japanese Title) 放射線影響の科学と国際人権や環境正義に基づく放射線防護
Yoshiyuki SEGAWA¹
¹Takagi School
 Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/206e757c-6edd-4f57-9417-84ba24c737d4>
- 3023 双方向リスクコミュニケーションゲームにおける放射線専門・非専門大学生の効果性の異同検証**
Sumi YOKOYAMA¹, Ako TAKENISHI², Mitsuyo ITHO³, Tomonobu HABA⁴, Ayumi YAMADA⁵, Yutaka AKITSU⁶
¹Nagasaki University, ²Hyogo University of Teacher Education, ³Shizuoka College of Medicalcare Science, ⁴Fujita Health University, ⁵Fujita Health University Bantane Hospital, ⁶Research Institute of Energy Literacy, Japan
 Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/e299caca-d60d-484e-814d-4a42b61ef239>

- 3024 Improvement of Airborne Particulate Monitor Performance with Unfolding Method**
Makoto SASANO¹, Masateru HAYASHI¹, Yusuke YANAGAWA^{1,2}, Masatoshi KAI², Yasushi NAKANO², Takeshi KASAI², Yoshitsugu OSAWA²
¹Mitsubishi Electric corp., Japan, ²Mitsubishi Electric Plant Engineering corp., Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/d9cabc1a-3c34-4a4c-af85-c5428035ee28>
- 3025 Activity of JHPS Working Group on Accidental X-ray Exposures -The Importance of Education, Dose Estimation and Information Dissemination in Support of a Radiation Safety**
Yu IGARASHI¹, Masafumi AKIYOSHI¹, Atsushi ENOMOTO¹, Mitsuaki OJIMA¹, Keiji ODA¹, Atsushi KASAI¹, Tsunenori KAWASHIMA¹, Munehiko KOWATARI¹, Minoru SAKAMA¹, Masaomi TAKAHASHI¹, Tadashi TSUJIMOTO¹, Miwa NAKAMURA¹, Makoto HASHIMOTO¹, Nobuyuki HAMADA¹, Masahiro FUKUSHI¹, Ichiro YAMAGUCHI¹, Takeshi IIMOTO¹
¹JHPS WG on Accidental X-ray Exposures, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/549c8c5f-bd1c-438e-bf21-b08118dd58d7>
- 3026 Dose-rate Coefficients for External Exposures to Radionuclides Distributed Uniformly in the Soil Computed using the ICRP Publication 144 Method**
Nina PETOUSSI-HENSS¹, Daiki SATOH²
¹Federal Office for Radiation Protection, Germany, ²Japan Atomic Energy Agency, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/78339fa1-b625-4821-8d1f-711a62bcbda8>
- 3027 A trial of Radiation Exposure Management for Medical Students**
Teruo ITO¹, Takayuki IGARASHI¹, Shigeru KIRYU¹
¹IUHW, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/23636015-c85b-490e-b52c-132c6d051fe8>
- 3028 Development of a Neutron Dosimeter Using a He-3 Alternative Detector**
Masateru HAYASHI¹, Makoto SASANO¹, Tetsushi AZUMA¹, Masakazu NAKANISHI¹, Yukinobu WATANABE², Shoichiro KAWASE², Nobuhiro SHIGYO²
¹Mitsubishi Electric, Japan, ²Kyushu University, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/1080e5d8-9789-42f9-a6c9-74e07526ea04>
- 3029 New Designed Measurement System for Radon Progeny Activity Size Distribution Based on Screen Diffusion Battery**
Qiuju Guo¹
¹Physics and Technology, School of Physics, Peking University University
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/84e182d4-3c46-422a-b10d-0ef0461e8948>
- 3030 Radiation Risks and Considerations for Different Averaging Units of Dose Control**
Michiya SASAKI¹, Tatsuki KIMURA¹, Toshiyasu IWASAKI¹, Kazuo YOSHIDA¹
¹CRIEPI, Japan
Abstract & Poster: <https://event.fourwaves.com/icrp2023/abstracts/32cfd91c-bda6-4599-b9a0-ae1906d87f37>
- 3031 先端科学と中等教育の融合に基づく人材育成戦略（その1）**
中村 秀仁¹
¹京都大
Abstract & Poster: -

3032 先端科学と中等教育の融合に基づく人材育成戦略（その2）

中村 秀仁¹

¹ 京都大

Abstract & Poster: -

3033 福島県で採取した野生きのこに含まれる放射性セシウム濃度の菌根菌と腐生菌との比較

稲垣 昌代^{1,2}

¹ 近大, ² JAEA

Abstract & Poster: -

3034 動物 BNCT の実現に向けた脱着式モジュールの設計と線量評価

水口 渉¹

¹ 名古屋

Abstract & Poster: -

3035 トリチウム分析前処理における試料水精製工程の効率化に関する検討

山中 潤二¹

¹ 九州環境管理学会

Abstract & Poster: -

3036 電解濃縮装置を用いた海水の極低濃度トリチウム分析

前川 暁洋¹

¹ 福島県環境創センター

Abstract & Poster: -

3037 放射線防護に関する教育プログラム構築の事例紹介

石川 徹夫¹

¹ 福島医大

Abstract & Poster: -

3038 Assessment of Tritium Concentrations in Precipitation and Tap Water Collected in Thailand

Chonlada Pitakchaianan¹

¹ Osaka Sangyo University

Abstract & Poster: -

3039 福島県沿岸域における表層海水中トリチウム濃度及び同位体組成の推移

桑田 遥¹

¹ 弘前大

Abstract & Poster: -

3040 Attributes of ^7Be and ^{210}Pb Dynamics in the Lower Atmosphere over Osaka, Japan, Alongside the Size Dispersion of Key Chemical Constituents within Aerosols Adhered to ^7Be .

Kanyanan Kosinarkaranun¹

¹*Osaka Sangyo University*

Abstract & Poster: -

3041 Literature survey on the ingestion dose from radionuclides in beverages for the better upcoming assessment

Khemruthai Kheamsiri¹

¹ 弘前大

Abstract & Poster: -

3042 走行サーベイによる北海道寿都町の環境放射線レベルの調査

真田 哲也¹

¹ 旭川脳神経外科循環器内科病院

Abstract & Poster: -

3043 小型半導体検出器による肺中 Am-241 の検出に関する検討

根上 颯珠¹

¹*QST*

Abstract & Poster: -

3044 ダストモニタを用いた全 α 測定にかかる改善の検討について

岡 光昭¹

¹ 日本原燃株式会社

Abstract & Poster: -

3045 東海再処理施設における放射性クリプトンの管理放出に伴う放出評価

高橋 映奈¹

¹*JAEA*

Abstract & Poster: -

3046–3055 JHPS Special Posters