

The 3rd Reports on Recent Research

Date: March 18 and 19, 2009

Venue: Ryojun Matsumoto Hall
Nagasaki University School of Medicine



Program

The First Day

Opening Remarks

16:00-16:05 *Shunichi Yamashita, Global COE Leader*

Section I

16:05-16:59 Chair: *Toshiyuki Nakayama (Department of Tumor and Diagnostic Pathology)*

1. Current progress and an update of the molecular epidemiology study of radiation-induced thyroid cancer
Vladimir Saenko (Department of International Health and Radiation Research)
2. Saturation mapping of 7p13 as a candidate region for radiation -induced thyroid cancer
Tatiana Rogounovitch (Department of International Health and Radiation Research)
3. Mutational analysis of thyroid carcinoma in Serbian patients
Boban Stanojevic (Department of International Health and Radiation Research)
4. Innovative hematopoietic stem cell transplantation: cord blood transplantation and haplo-identical transplantation
Jun Taguchi (Department of Hematology)
5. Delayed induced genomic instability in adult stem cells in the atomic bomb survivors
Kazuhiro Nagai (Transfusion service, Nagasaki University Hospital)
6. Late hematological effects in the atomic bomb survivors: Recent advances and future direction
Masako Iwanaga (Department of Hematology)

Section II

16:59-17:44 Chair: *Masako Iwanaga (Department of Hematology)*

7. Radiation medical sciences in psychiatry
Hiroki Ozawa (Department of Psychiatry)
8. Mental Health status of A-bomb survivors in Korea
Rika Koshimoto (Department of Psychiatry)

9. Dynamics of the internal radiation exposure dose in Zitimir region, Ukraine, and the clinical epidemiological study through the utilization of PET-CT
Naomi Hayashida (Department of Epidemiology)
10. Clinical epidemiological study through A-bomb survivors' medical examination; objective evaluation of the volume of salivation, and identification of its determinants, including radiation doses
Tetsuko Shinkawa (Department of Epidemiology)
11. Radionuclide concentration and dose assessment for food stuffs available in Nagasaki
Gopal Ganapathi Muruganandam Brahmanandhan (Department of Epidemiology)

Section III

17:44-18:47 Chair: *Noboru Takamura (Department of Epidemiology)*

12. Current Situation and Future Scope of International Network for Radiation Emergency Medicine in Nagasaki University
Akira Otsuru (International Hibakusha Medical Center)
13. Clinical Study of Molecular Targeting Radiation Therapy for Intractable and Poor-prognosis Thyroid Carcinoma
Atsushi Kumagai (International Hibakusha Medical Center)
14. Clinical Study of Autologous Fat Tissue Origin-Stem Cell Transplantation for Intractable Radiation-induced Skin Ulcer
Sadanori Akita (Department of Plastic and Reconstructive Surgery)
15. Correlation analysis between type of 53BP1 expression and BRAF mutation in thyroid papillary carcinoma
Zhanna Mussazhanova (Department of Tumor and Diagnostic Pathology)
16. Mutation screening of the BRCA1 gene in sporadic breast cancer in Kazakhstan.
Ainur Akilzhanova (Department of Tumor and Diagnostic Pathology)
17. Pathologic data of fresh-frozen tissues in Nagasaki A-bomb survivors' tumor tissue bank project.
Shiro Miura (Department of Tumor and Diagnostic Pathology)
18. Genome-wide copy number/LOH analysis of paraffin-embedded archival breast tumor samples using SNP microarray.
Masahiro Oikawa (Department of Human Genetics)

The Second Day

Section IV

16:00-16:45 Chair: *Keiji Suzuki (Department of Molecular Medicine)*

1. Radioprotective effect of natural antioxidants against ionizing radiation in human keratinocytes.
Naoki Matsuda (Center for Frontier Life Sciences)
2. Quantification of genomic mutation rate in irradiated normal human fibroblasts
Hiroyuki Mishima (Department of Human Genetics)
3. Radiosensitivity and modification of p53.
Kumio Okaichi (Department of Radiation Biophysics)
4. Basic research on thyroid carcinogenesis
Norisato Mitsutake (Department of Molecular Medicine)
5. Oncogenic cell signaling in papillary thyroid cancers
Michiko Matsuse (Department of Molecular Medicine)

Section V

- 16:45-17:39 Chair: *Koichiro Yoshiura (Department of Human Genetics)*
6. Differential regulation of DNA polymerases recruitment in human NER repair synthesis.
Tomoo Ogi (Department of Molecular Medicine)
 7. Elucidation of the mechanisms underlying radiation- induced thyroid carcinogenesis / pathogenesis of severe combined immunodeficiency (SCID) by defects in DNA Double-Strand Break (DSB) repair.
Yuka Nakazawa (Department of Molecular Medicine)
 8. A new diagnostic technique for measurement of repair synthesis by incorporation of Ethynyl deoxyuridine (EdU)
Siripan Limsirichaikul (Department of Molecular Medicine)
 9. DNA damage response and Systems radiation biology
Keiji Suzuki (Department of Molecular Medicine)
 10. ATM-p53 axis suppresses propagation of chromosome translocation by foci growth-dependent G1 checkpoint
Motohiro Yamauchi (Department of Molecular Medicine)
 11. Quantitative analysis of DNA damage signaling involved in the induction of G2/M checkpoint after irradiation
Aya Ishikawa (Department of Molecular Medicine)

Section VI

- 17:39-18:24 Chair: *Masahiro Nakashima (Division of Scientific Data Registry)*
12. Elucidation of ATM activation mechanism after induction of DNA double-strand breaks
Yasuyoshi Oka (Department of Molecular Medicine)
 13. Radiation-induced non-apoptotic cell death
Masatoshi Suzuki (Department of Molecular Medicine)
 14. Delayed oxidative stress caused by delayed dysfunction of mitochondria in gamma-irradiated normal human diploid cells
Shinko Kobashigawa (Department of Molecular Medicine)
 15. Cancer-stromal interaction and thyroid
Ohki Saitoh (Department of Medical Gene Technology)
 16. Generation of a mouse cancer model expressing mutant Braf gene controlled by Cre-loxp system
Mami Nakahara (Department of Medical Gene Technology)

Section VII

- 18:24-19:09 Chair: *Yuji Nagayama (Department of Medical Gene Technology)*
17. Significance of foci formation of 53BP1 expression in follicular carcinoma: a differential diagnosis of thyroid follicular tumors.
Yuki Naruke (Department of Tumor and Diagnostic Pathology)
 18. Detection of radiosensitivity in adult thyroid follicular epithelium.
Tomomi Kurashige (Department of Tumor and Diagnostic Pathology)
 19. Immunofluorescence analysis of 53BP1 expression during uterine cervical carcinogenesis.
Katsuya Matsuda (Department of Tumor and Diagnostic Pathology)
 20. The role of antioxidant enzyme on radiation sensitivity.
Shinji Goto (Department of Biochemistry and Molecular Biology in Disease)
 21. Dehydroepiandrosterone Augments Sensitivity to g-Ray Irradiation in Human H4 Neuroglioma Cells through Down-regulation of Akt signaling.
Tomohito Hirao (Department of Biochemistry and Molecular Biology in Disease)

Closing Remarks

19:08-19:14

Shunichi Yamashita, Global COE Leader