

**The Seminar of the Global Strategic Center for Radiation Health Risk Control  
- The 4th Reports on Recent Research -**

***Program***

**Date: September 29, 2009**

**Venue: Ryojun Matsumoto Auditorium,  
Nagasaki University School of Medicine**



**Opening Remarks** Yuji Nagayama, Global COE Sub-Leader 13:30-13:35

**Section I** Chair: Norisato Mitsutake (Department of Molecular Medicine) 13:35-14:25

1. Thyroid research and international activity in the frame of Global COE program.  
Tatiana Rogounovitch (Department of International Health and Radiation Research)
2. Study of genetic susceptibility to radiation-related thyroid cancer and molecular bases of rare thyroid diseases.  
Natallia Akulevich ((Department of International Health and Radiation Research)
3. Mutational and clinico-pathological analysis of papillary thyroid carcinoma in Serbian patients.  
Boban Stanojevic (Department of International Health and Radiation Research)
4. Study of oncogenic signaling in papillary thyroid carcinoma.  
Michiko Matsuse (Department of Molecular Medicine)
5. Generation of a mouse cancer model expressing mutant Braf gene controlled by Cre-loxp system.  
Mami Nakahara (Department of Medical Gene Technology)

**Section II** Chair: Keishi Suzuki (Department of Molecular Medicine) 14:25-15:25

6. ATM/p53 axis suppresses propagation of radiation-induced chromosome translocation.  
Motohiro Yamauchi (Department of Molecular Medicine)
7. A cell lineage analysis of non-apoptotic cell death in tumor cells exposed to ionizing radiation  
Masatoshi Suzuki (Department of Molecular Medicine)
8. Quantitative analysis of phosphorylation of histone H2AX signal and chromosomal damage in radiation-induced G2/M checkpoint  
Aya Ishikawa (Department of Molecular Medicine)
9. Loading of cohesins to DSB sites depends on NIPBL foci formation

Yassuyoshi Oka (Department of Molecular Medicine)

10. Delayed oxidative stress caused by delayed mitochondrial morphological change in  $\gamma$ -irradiated normal human diploid cells  
Shinno Kobashikawa (Department of Molecular Medicine)

11. Role of ATM in IR-induced persistent G1 checkpoint signaling  
Tomoe Soda ((Department of Molecular Medicine)

Break (15min)

15:25-15:40

**Section III**

Chair: Yasushi Miyazaki (Department of Hematology)

15:40-16:40

12. Investigation of genomic instability in adult stem cells based on the newly established databank system of biological samples from atomic bomb survivors.  
Kazuhiro Nagai (Department of Hematology)

13. Founder Mutation Search in ALS patients  
Kensaku Sasaki (Department of Human Genetics)

14. An analysis of the correlation between myeloperoxidase and genetic mutations in acute myeloid leukemia.  
Shinya Tominaga ((Department of Hematology)

15. Homozygosity mapping using SNP microarrays  
Hiroyuki Mishima (Department of Human Genetics)

16. Mutational analysis in PKC patients  
Shinji Ono (Department of Human Genetics)

17. Diagnosis of xeroderma pigmentosum (XP) and screening for factors involved in nucleotide excision repair (NER) by a novel unscheduled DNA synthesis (UDS) assay  
Yuka Nakazawa (Department of Molecular Medicine)

**Section IV**

Chair: Masahiro Nakashim (Division of Scientific Data Registry) 16:40-17:40

18. Early mitochondrial dysfunction induced by gamma-ray irradiation  
Takako Yoshida (Department of Biochemistry and Molecular Biology in Disease)

19. Structural and functional analysis of a nuclear localization signal in Glutathione S-transferase  $\pi$   
Miho Kawakatsu (Department of Biochemistry and Molecular Biology in Disease)

20. Detection of radiation sensitivity in adult rat thyroid follicular epithelium  
Tomomi Kurashige (Division of Scientific Data Registry)

21. Expression of p53-binding protein 1 nuclear foci in uterine cervical neoplasia: association with DNA damage response and HPV infection  
Katsuya Matsuda (Department of Tumor and Diagnostic Pathology)

22. Correlation between type of 53BP1-expression and nodal metastasis in thyroid micropapillary carcinoma  
Zhanna Mussazhanova (Department of Tumor and Diagnostic Pathology)

23. The protective effect of bFGF on radiation-induced intestinal injury  
Mutsumi Matsuyama (Department of Tumor and Diagnostic Pathology)

Closing Remarks

Yuji Nagayama, Global COE Sub-Leader

17:40-17:45