

The Seminar of the Global Strategic Center for Radiation Health Risk Control
- The 5th Reports on Recent Research -
Date: 13:00-19:00, March 11, 2010
Venue: Ryojun Matsumoto Hall, Nagasaki University School of Medicine

Opening remarks	COE leader: Shunichi Yamashita	13:00-13:05
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Chair: Keiji Suzuki

Section 1: Radiation basic life science research I
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1. Overview: Summary of basic radiation biology research activities; past, present and future.

Keiji Suzuki	13:05-13:10
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2. ATM/p53-dependent G1 checkpoint suppresses chromosome translocation.

Motohiro Yamauchi	13:10-13:20
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3. Comprehensive pedigree assay with live-cell imaging system visualized multiple process of cell death induced in mammary carcinoma cells exposed to ionizing radiation.

Masatoshi Suzuki	13:20-13:30
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4. Loading of cohesin to DSB sites depends on NIPBL foci formation.

Yasuyoshi Oka	13:30-13:40
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5. Radiation induces delayed change in mitochondrial morphology in human fibroblast cells.

Shinko Kobashikawa	13:40-13:50
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6. Basic study of adipose-derived stem cell therapy for intractable radiation-induced ulcers.

Tomoe Soda	13:50-14:00
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Chair: Yuji Nagayama

Section 2: Thyroid cancer research

7. Overview: Thyroid cancer research

Yuji Nagayama	14:00-14:05
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8. Generation of mBraf transgenic mice using Cre-loxp system.

Mami Nakahara	14:05-14:15
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9. Screening for genetic abnormalities involved in PTC carcinogenesis using retroviral cDNA expression libraries.

Michiko Matsuse 14:15:-14:25

10. Molecular epidemiology study of radiation-induced thyroid cancer and molecular mechanisms of thyroid carcinogenesis.

Tatiana Rogounovitch 14:25-14:35

11. Thyroid cancer research: Involvement of VHL tumor suppressor gene in thyroid cancer and combination of drug treatment for thyroid cancer.

Boban Stanojevic 14:35-14:45

12. The study of genetic susceptibility to radiation-related thyroid cancer and molecular bases of rare thyroid diseases.

Natallia Akulevich 14:45-14:55

13. A Phase II Study of Imatinib Therapy for Advanced Inoperable Thyroid Carcinoma.

Atsushi Kumagai 14:55-15:05

Chair: Masahiro Nakashima

Section 3: Radiation medicine research

14. Overview: Pathological research in the field of Radiation medicine

Masahiro Nakashima 15:05-15:10

15. Basic fibroblast growth factor suppresses radiation induced apoptosis and TP53 pathway in rat small intestine.

Mutsumi Matsuyama 15:10-15:20

16. Establishment of Nagasaki A-bomb Survivors Tumor Tissue Bank: 2nd progress report.

Shiro Miura 15:20-15:30

17. Methods to detect residual radiation on paraffin-embedded autopsy specimens of acute atomic bomb casualties at Nagasaki.

Kazuko Shichijo 15:30-15:40

18. Evaluation of radiation sensitivity in adult rat thyroid follicular epithelium.
Tomomi Kurashige 15:40-15:50
19. Expression of 53BP1 during uterine cervical tumorigenesis: Clinicopathologic significance of 53BP1 nuclear foci.
Katsuya Matsuda 15:50-16:00
20. Type of 53BP1-expression in thyroid follicular tumor: correlation between 53BP1 nuclear foci and genomic instability.
Zhanna Mussazhanova 16:00-16:10
21. Analysis of delayed induced genomic instability in adult stem cells in the atomic bomb survivors.
Kazuhiro Nagai 16:10-16:20
- (Break) 16:20-16:35
- Chair: Koichiro Yashiura
- Section 4: Molecular medicine research**
22. Copy number variation of defensin genes and cervical cancer susceptibility.
Hiroyuki Mishima 16:35-16:45
23. Search for genomic alterations in monozygotic twins discordant for neurodevelopmental disorders.
Shinji Ono 16:45-16:55
24. Copy Number Analysis of Patients with Unexplained Kabuki Syndrome.
Kensaku Sasaki 16:55-17:05
- Section 5: Radiation basic life science research II**
25. Mitochondrial dysfunction induced by gamma-ray irradiation.
Takako Yoshida 17:05-17:15
26. A role of mitochondrial dysfunction in radiation-induced genomic instability.
Miho Kawakatsu 17:15-17:25

27. A semi-automated non-radioactive system for measuring recovery of RNA synthesis and unscheduled DNA synthesis using ethynyluracil derivatives.

Yuka Nakazawa

17:25-17:35

Chair: Yoshisada Shibata

Section 6: International radiation health care research

28. Perception and communication of radiation risk.

Yoshisada Shibata

17:35-17:45

29. Research activity, social activity, and radiation risk management by NURIC.

Masahiro Yoshida

17:45-17:55

30. Chernobyl, Semipalatinsk and Nagasaki: Current radiation exposure risk and environmental contamination.

Yasuyuki Taira

17:55-18:05

31. Evaluation of ¹³⁷Cs Body Burden after the Chernobyl Accident in Inhabitants of Bryansk Oblast, Russian Federation.

Yui Sekitani

18:05-18:15

32. Assessment of radiation risk in high radiation background area- Environmental radioactivity, individual dose estimation, and urinary iodine concentrations in Tamilnadu, India.

Gopal Ganapathi Brahmanandan

18:15-18:25

33. Overview: Mental health status of A-bomb survivors in Korea

Hiroki Ozawa

18:25-18:30

34. Clinical interview of mental health status of A-bomb survivors in Korea.

Rika Koshimoto

18:30-18:40

Closing remarks

1.COE leader: Shunichi Yamashita

2.Announcement: Yuji Nagayama

18:40-19:00