Opening remarks        COE leader: Shunichi Yamashita

Chair: Keiji Suzuki
Section 1: Radiation basic life science research 1

1. Overview: Summary of basic radiation biology research activities; past, present and future.
Keiji Suzuki
13:05-13:10

2. ATM/p53-dependent G1 checkpoint suppresses chromosome translocation.
Motohiro Yamauchi
13:10-13:20

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

4. Loading of cohesin to DSB sites depends on NIPBL foci formation.
Yasuyoshi Oka
13:30-13:40

5. Radiation induces delayed change in mitochondrial morphology in human fibroblast cells.
Shinko Kobashikawa
13:40-13:50

Tomoe Soda
13:50-14:00

Chair: Yuji Nagayama
Section 2: Thyroid cancer research

7. Overview: Thyroid cancer research
Yuji Nagayama
14:00-14:05

8. Generation of mBraf transgenic mice using Cre-loxp system.
Mami Nakahara
14:05-14:15
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

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

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

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

Yasuyuki Taira 17:55-18:05

31. Evaluation of $^{137}$Cs 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 18:40-19:00
2.Announcement: Yuji Nagayama