

International Conference on Radiation and Cancer Biology at Nagasaki 2010

17 February - 20 February 12:00
Nagasaki University Medical School
Matsumoto Ryojun Auditorium
Bauduin Hall

Sponsored by

Nagasaki University

Nagasaki University Strategy for Fostering Young Scientists

Japan Science and Technology Agency (JST)

Nagasaki University Global COE

Global Strategic Center for Radiation Health Risk Control

Japan Society for Promotion of Science (JSPS)

PROGRAM

WEDNESDAY 17th

16:30-17:30 Arrival and Registration

17:30-17:45 Welcome / Introduction by Tomoo OGI (Nagasaki Univ., JAPAN)

17:45-18:00 Opening Remarks

Shunichi YAMASHITA (Nagasaki Univ., JAPAN)

Nagasaki global COE (G-COE) Leader

Session 1: AGING, CANCER and SIGNAL TRANSDUCTION (T1-T11)

Chair: Hiroshi MASUMOTO (Univ. Tsukuba, JAPAN)

Chair: Katsuya TAKENAKA (Tokyo Medical and Dental Univ., JAPAN)

18:00-18:40 Keynote address

Keiji TANAKA (Tokyo Metropolitan Institute of Medical Science, JAPAN)

T1: Overview of My Proteasome Study, focusing on the Structure and Functions

18:40-19:10 Yoshinori KATAKURA (Kyushu Univ., JAPAN)

T2: Identification of senescence-associated genes and its implication to tumor suppression

19:10-19:35 Hiroshi MASUMOTO (Univ. Tsukuba, JAPAN)

T3: The formation of newly assembled nucleosome during the chromosomal DNA replication in budding yeast

20:00-21:30 Dinner @ Japanese style pub

THURSDAY 18th

06:30-08:30 Breakfast @ Hotel JAL-city Nagasaki

09:00-09:40 Keynote address

Eisuke NISHIDA (Kyoto Univ., JAPAN)

T4: MAP kinase signaling: Regulatory mechanisms and functions

09:40-10:05 Kosei ITO (Nagasaki Univ., JAPAN)

T5: Roles of RUNX3 in gastrointestinal carcinogenesis

10:05-10:35 Cong LIU (Sichuan Univ., CHINA)

T6: Differential DNA damage responses in cycling and post-mitotic compartments of embryonic mouse brains

10:35-10:50 Coffee break

10:50-11:20 Junn YANAGISAWA (Univ. Tsukuba, JAPAN)

T7: Nucleolus and Cancer

11:20-11:50 Masashi NARITA (CRUK Cambridge, ENGLAND)

T8: Autophagy in cellular senescence

11:50-13:00 Lunch

13:00-13:30 Alain VERREAULT (Univ. Montreal, CANADA)

T9: Histone Acetylation: A New Twist in the Chromosome Cycle

13:30-14:00 Karim LABIB (CRUK Manchester, ENGLAND)

T10: Genome stability and the eukaryotic replisome

14:00-14:30 Helfrid HOCHEGGER (Univ. Sussex, ENGLAND)

T11: Control of Centrosome Separation by Mitotic Kinases

14:30-14:50 Coffee break

Session 2: DNA REPAIR (T12-T22)

Chair: Tomoo OGI (Nagasaki Univ., JAPAN)

Chair: Masayuki YOKOI (Gakushuin Univ., JAPAN)

14:50-15:20 Kaoru SUGASAWA (Kobe Univ., JAPAN)

T12: DNA damage recognition mechanism for mammalian nucleotide excision repair

15:20-15:45 Mitsuo WAKASUGI (Kanazawa Univ., JAPAN)

T13: Modulation of nucleotide excision repair in human cells

15:45-16:10 Katsuyoshi HORIBATA (National Institute of Health Sciences, JAPAN)

T14: Implication for Cockayne syndrome and truncated CSB protein

16:10-16:25 Coffee break

16:25-16:55 Leon MULLENDERS (Leiden Univ., NETHERLANDS)

T15: Assembly of nucleotide excision repair complexes in mammalian cells

16:55-17:20 Tomoo OGI (Nagasaki Univ., JAPAN)

T16: Three DNA polymerases, recruited by different mechanisms, carry out NER repair synthesis in human cells

17:20-18:00 Keynote address

Alan LEHMANN (Univ. Sussex, ENGLAND)

T17: Post-translational modifications of DNA polymerase eta

19:00-20:30 Dinner

FRIDAY 19th

06:30-08:30 Breakfast @ Hotel JAL-city Nagasaki

09:00-09:40 Keynote address

Thomas KUNKEL (NIEHS, National Institutes of Health, USA)

T18: Structure-Function Studies of Mammalian Family X DNA Polymerases

09:40-10:10 Roger WOODGATE (NICHD, National Institutes of Health, USA)

T19: Investigating the molecular mechanisms of mutagenesis in *E. coli*

10:10-10:40 Kyungjae MYUNG (NHGRI, National Institutes of Health, USA)

T20: Human ELG1 regulates the level of ubiquitinated proliferating cell nuclear antigen (PCNA) through its interaction with PCNA and USP1

10:40-10:55 Coffee break

10:55-11:20 Satoshi TATEISHI (Kumamoto Univ., JAPAN)

T21: Rad18 regulates DNA damage tolerance via interaction with polymerase η and monoubiquitination of PCNA

11:20-11:45 Masamichi ISHIAI (Kyoto Univ., JAPAN)

T22: FANCI phosphorylation functions as a molecular switch to turn on the Fanconi anemia pathway

11:45-12:00 Conference photo Ryojun Auditorium 1F

12:00-13:00 Lunch

13:00-15:00 Poster session (P1~P24) @ Ryojun Auditorium 2F

Session 3: CHECKPOINT (T23-T33)

Chair: Kanji FURUYA (National Institute of Genetics, JAPAN)

Chair: Eiji OHASHI (Kyushu Univ., JAPAN)

15:00-15:40 Keynote address

Shunichi TAKEDA (Kyoto Univ., JAPAN)

T23: Analysis of Immunoglobulin V Gene Diversification in the Chicken DT40 B Lymphocyte Line Reveals the Role of DNA Polymerases in Homologous Recombination and Translesion DNA Synthesis

15:40-16:10 Edgar HARTSUIKER (Bangor Univ., WALES)

T24: Removal of covalently bound topoisomerases and Spo11 from DNA by MRN and Ctp1

16:10-16:35 Yasuhiro TSUTSUI (Tokyo Institute of Technology, JAPAN)

T25: Analysis of F-box DNA helicase Fbh1 involved in regulation of homologous recombination in fission yeast

16:35-16:50 Coffee break

16:50-17:20 Massimo LOPES (Univ. Zurich, SWITZERLAND)

T26: Structural insights into genome instability associated to DNA replication stress

17:20-17:45 Seiji TANAKA (National Institute of Genetics, JAPAN)

T27: Multiple regulatory mechanisms of the initiation of DNA replication are important for stable genome maintenance

17:45-18:10 Tsuyoshi IKURA (Kyoto Univ., JAPAN)

T28: The role of chromatin dynamics in DNA damage-induced checkpoint activation

19:00-20:30 Conference Banquet @ Hotel JAL-city Nagasaki

SATURDAY 20th

06:30-08:30 Breakfast @ Hotel JAL-city Nagasaki

09:00-09:40 Keynote address

Katsuhiko SHIRAHIGE (Univ. Tokyo, JAPAN)

T29: Role of Cohesin acetylation in transcription

09:40-10:10 Cyrus VAZIRI (Univ. North Carolina, USA)

T30: Integration of S-phase Checkpoint Signaling and
Trans-Lesion Synthesis

10:10-10:35 Kanji FURUYA (National Institute of Genetics, JAPAN)

T31: DDK phosphorylates checkpoint clamp Rad9 and promotes
its release from damaged Chromatin

10:35-10:50 Coffee break

10:50-11:15 Eiji OHASHI (Kyushu Univ., JAPAN)

T32: CK2 phosphorylates Rad9 and facilitates the interaction
between 9-1-1 and TopBP1

11:15-11:45 Tomohiro MATSUMOTO (Kyoto Univ., JAPAN)

T33: Stress response controlled by differential binding of p31^{comet}
to p53

11:45-12:00 Closing remarks

13:00-17:00 Excursion Nagasaki city tour (Urakami Cathedral, Glover House,
Inasayama-Park, Holand Slope)