

**Nagasaki Global COE Young Investigators’
International Symposium
“Perspective of Radiation Research”**



Program

Date: February 7 and 8, 2009

Venue: Ryojun Matsumoto Hall,
Nagasaki University School of Medicine

February 7, 2009

Welcome Address

9:00-9:05 Opening remarks

*Masao Tomonaga, Dean of Graduate School of Biomedical
Sciences, Nagasaki University*

9:05-9:10 Introduction of Nagasaki Global COE Young Investigators’
International Symposium

Motohiro Yamauchi, Leader of this Symposium

Session 1: Cellular and Molecular Response to Chromatin Perturbation

Chairs: *Motohiro Yamauchi and Tomoo Ogi, Nagasaki University*

- 9:10-9:45 ATM-p53 Axis Suppresses Propagation of Chromosome Translocation by Foci-Growth-Dependent G1 checkpoint.
Motohiro Yamauchi, Nagasaki University, Japan
- 9:45-10:20 Alterations in the Chromatin Environment Following the Introduction of DNA Breaks
Michael Kruhlak, NCI, NIH, United States of America
- 10:20-10:55 53BP1 Facilitates Heterochromatic DNA Double Strand Break Repair by Enabling Highly Localized KAP-1 Phosphorylation
Aaron A. Goodarzi, University of Sussex, the United Kingdom
- 10:55-11:30 The Role of ATM and the Damage Response Mediator Proteins, 53BP1 and MDC1, in the Maintenance of G2/M Checkpoint Arrest
Atsushi Shibata, University of Sussex, the United Kingdom
- 11:30-12:05 Defects in the ATR-dependent DNA Damage Response Pathway and Human Syndromes
Mark O'Driscoll, University of Sussex, the United Kingdom
- 12:05-13:30 Group photo and lunch

Session 2: Cellular and Molecular Response to Ionizing Radiation

Chairs: *Keiji Suzuki, Nagasaki University*

- 13:30-14:05 Protein Sialylation by Sialyltransferase (ST6Gal I) Involves Radiation Resistance
Minyoung Lee, Korea Institute of Radiological and Medical Sciences, Korea
- 14:05-14:40 Low Dose Ionizing Radiation Responses in Knockdown ATM of Glioma Stem Cell
Yi Chieh Lim, Queensland Institute of Medical Research, Australia

14:40-15:15 Effect of Exposure to Low Doses of Carbon Heavy Ion Radiation on Human Peripheral Blood Lymphocytes
Prarthana Srikanth, National University of Singapore, Singapore

15:15-15:30 Coffee Break

Session 3: Radiation and Microenvironment

Chairs: *Ohki Saitoh and Masatoshi Suzuki, Nagasaki University*

15:30-15:50 A Possible Role of Stress-Induced Premature Senescence (SIPS) as a Producer of the Stress-Resistant Microenvironment
Masatoshi Suzuki, Nagasaki University, Japan

15:50-16:25 Role of Nuclear EGFR During Cellular Radiation Response
Klaus Dittmann, University of Tuebingen, Germany

16:25-17:00 Persistent Phenotypic Responses of Human Mammary Epithelial Cells Induced by Ionizing Radiation
Kumari Andarawewa, University of Virginia, United States of America

17:00-17:20 Effect of Ionizing Radiation on Fibroblast-Mediated Growth Promotion of Thyroid Carcinoma Cells
Ohki Saitoh, Nagasaki University, Japan

17:20-17:55 The Study of Radiation Induced Bystander Effect *In Vivo* Using Gpt Delta Transgenic Mouse Model
Yunfei Chai, Columbia University, United States of America

17:55-18:00 Closing remarks
Motohiro Yamauchi, Leader of this Symposium

18:30-20:30 Reception at Nagasaki Park Side Hotel

February 8, 2009

9:00-11:30 Further discussion on future direction and strategy of radiation research

12:00-13:00 Luncheon discussion at Horaiken Annex