

Program

June 24, 2010

Registration 12:00 ~

13:00

Opening Remarks

Naofumi Mukaida (Director of Cancer Research Institute, Kanazawa University)

13:10 ~ 14:50

Session 1: Cancer Initiating Cells and Carcinogenesis

Chairs: Yuji Hiraki, Atushi Hirao

S1-1 (13:10 ~ 13:40)

Inflammatory responses in gastrointestinal tumorigenesis

Masanobu Oshima (Cancer Research Institute, Kanazawa University)

S1-2 (14:10 ~ 14:40)

Cell-of-origin of sarcomas: insight from tissue stem cells

Jyunya Toguchida (Institute for Frontier Medical Sciences, Kyoto University)

S1-3 (14:10 ~ 14:40)

miRNA Regulation of Leukemia Stem and Progenitor Cells

Eric Lechman (Toronto General Hospital, University Health Network)

Break 14:40 ~ 15:00

15:00 ~ 17:00

Young Investigator Forum

Chairs: Hiroko Oshima, Ryu Imamura

Y-1

Development of new cell therapies with induced pluripotent stem cells

Shin Kaneko (Institute of Medical Science, University of Tokyo)

Y-2

Nuclear Reprogramming of Somatic Cells – ES hybrid cells and iPS cells

Takashi Tada (Institute for Frontier Medical Sciences, Kyoto University)

Y-3

Identification of components in the complex with protrudin and elucidation of their roles in neuronal function

Fumiko Matsuzaki (Medical Institute of Bioregulation, Kyushu University)

Y-4

TGF- β -FOXO signaling maintains leukemia-initiating cells in chronic myeloid leukemia

Kazuhito Naka (Cancer Research Institute, Kanazawa University)

Y-5

LAPTM5-induced cell death is associated with spontaneous regression of neuroblastomas

Jun Inoue (Medical Research Institute, Tokyo Medical and Dental University)

Y-6

Molecular analysis of the epigenetical functions of histone H3-lysine 56 modification in DNA repair, transcription, and chromatin structure regulation

Toshiaki Tsubota (Institute for Virus Research, Kyoto University)

Y-7

Regulations of Telomere in Cell Division Cycle

Junko Kanoh (Institute for Protein Research, Osaka University)

Y-8

Regulation of cytotoxic T lymphocyte activity by CD8 and PIR-B

Shota Endo (Institute of Development, Aging and Cancer, Tohoku University)

Y-9

The possibility of the revascularization therapy by a neovascular maturation factor apelin

Hiroyasu Kidoya (Research Institute for Microbial Diseases, Osaka University)

17:00 ~ 18:30

Poster Session

P -1. Affinity-Trap Polyacrylamide Gel Electrophoresis: A Novel Method of Capturing Specific Proteins by Electro-Transfer

Chihiro Awada (Institute for Protein Research, Osaka University)

P -2. Critical role of DOCK2 in type I IFN induction in plasmacytoid dendritic cells

Kazuhito Gotoh (Medical Institute of Bioregulation, Kyushu University)

P -3. A regulatory role of PIR-B in plasmacytoid dendritic cells

Akira Nakamura (Institute of Development, Aging, and Cancer, Tohoku University)

P -4. Generation of induced pluripotent stem cells from human peripheral blood T lymphocytes

Toshinobu Nishimura (Institute of Medical Science, University of Tokyo)

P -5. Generation of central immune tolerance against blood-borne antigens by thymic Sirpa⁺ dendritic cells

Tomohisa Baba (Cancer Research Institute, Kanazawa University)

P -6. A retrotransposon-derived Sirh7 gene and mammalian viviparity

Mie Naruse (Medical Research Institute, Tokyo Medical and Dental University)

P -7. Liver biology and disease: lessons from mutant fish

Yoichi Asaoka (Medical Research Institute, Tokyo Medical and Dental University)

P -8. Analysis of intracellular localization of viral RNA sensor, RIG-I

Koji Onomoto (Institute for Virus Research, Kyoto University)

P -9. Regulatory mechanisms of influenza viral transcription and replication

Eiryō Kawakami (Institute of Medical Science, University of Tokyo)

P -10. Analysis of Atg Proteins dynamics during bacterial infection

Shun Kageyama (Research Institute for Microbial Diseases, Osaka University)

P -11. A unique cytoplasmic domain in RANK induces long-term signaling required for osteoclastogenesis

Yuu Taguchi (Institute of Medical Science, University of Tokyo)

P -12. Role of the scaffold protein JSAP1 during the differentiation of cerebellar granule cell precursors

Tokiharu Sato (Cancer Research Institute, Kanazawa University)

P-13. Regulation of Foxo1 acetylation by neuronal necdin-Sirt1 complex

Koichi Hasegawa (Institute for Protein Research, Osaka University)

P-14. A role for NBS1 in ATR activation

Masahiko Kobayashi (Cancer Research Institute, Kanazawa University)

P-15. Molecular Switch for the ASC-mediated Apoptosis and Necrosis

Kou Motani (Cancer Research Institute, Kanazawa University)

P-16. Structural remodeling and selective transport of GPI-anchored proteins

Morihisa Fujita (Research Institute for Microbial Diseases, Osaka University)

P-17. Genetic analysis of cyclooxygenase-2 (COX-2) expression and function

Tomo-o Ishikawa (Cancer Research Institute, Kanazawa University)

P-18. Genetic and epigenetic regulation of a synovial sarcoma-associated molecule, FZD10

Sakura Tamaki (Institute for Frontier Medical Sciences, Kyoto University)

P-19. Pathological role for deregulated GSK3b in pancreatic cancer proliferation and invasion

Ayako Kitano (Cancer Research Institute, Kanazawa University)

P-20. The role of Jmjd5, a candidate cancer gene identified by retroviral insertional mutagenesis: From the analysis of Jmjd5-deficient mice

Akihiko Ishimura (Cancer Research Institute, Kanazawa University)

P-21. Significance of HGF-Met in invasive growth of human malignant mesothelioma and its inhibition by NK4

Yoshinori Suzuki (Cancer Research Institute, Kanazawa University)

P-22. Inhibition of PI3K-mediated signaling pathway to overcome HGF-induced gefitinib-resistance in EGFR mutant lung cancer

Ivan S Donev (Cancer Research Institute, Kanazawa University)

P-23. Analysis of Interaction between MT1-MMP and GI24

Sakr Moustafa Abdel-Samed (Cancer Research Institute, Kanazawa University)

P-24. MicroRNA9 Regulates the Timing of Neural Stem Cell Differentiation by Fine-tuning Hes1 Expression in the Developing Cortex

SiokLay Tan (Institute for Virus Research, Kyoto University)

P-25. Balance of chromosomal gene dosage in pluripotent stem cells

Kunio Hirano (Institute for Frontier Medical Sciences, Kyoto University)

P-26. Analysis of regulatory mechanisms for Tbx3 expression in hepatic stem cells
Emi Himeno (Medical Institute of Bioregulation, Kyushu University)

P-27. Developmental expression of c-kit and its ligand in human fetal lungs
Takaya Suzuki (Institute of Development, Aging, and Cancer, Tohoku University)

P-28. Critical Roles of mTORC1 signaling in maintenance of hematopoietic stem cells
Takayuki Hoshii (Cancer Research Institute, Kanazawa University)

P-29. The Rb-Ras pathway in tumor progression and cancer stem cells
Awad Shamma (Cancer Research Institute, Kanazawa University)

18:30 ~ 21:00

Reception

Remarks from Shin-ichi Nakamura (President, Kanazawa University)

June 25, 2010

9:30 ~ 11:30

Session 2: Topics in Molecular and Cell Biology

Chairs: Fumiko Toyoshima, Kunio Matsumoto

S2-1 (9:30 ~ 10:00)

**Potential risk of iatrogenic infection by endogenous retroviruses (ERVs): an infectious
ERV contaminates some live vaccines for pets**

Takayuki Miyazawa (Institute for Virus Research, Kyoto University)

S2-2 (10:00 ~ 10:30)

**Comparative structural biology of oligosaccharyltransferase: an enzyme that catalyzes the
glycosylation of the Asn-X-Ser/Thr sequon**

Daisuke Kohda (Medical Institute of Bioregulation, Kyushu University)

S2-3 (10:30 ~ 11:00)

**Semaphorins, axonal guidance cues, regulate dendritic cell trafficking into lymph nodes via
activation of myosin II**

Atsushi Kumanogoh (Research Institute for Microbial Diseases, Osaka University)

S2-4 (11:00 ~ 11:30)

Discovery of Atg5/Atg7-independent Alternative Macroautophagy

Shigeomi Shimizu (Medical Research Institute, Tokyo Medical and Dental University)

11:30 ~ 13:00

Lunch and Network Organizer Meeting

13:00 ~ 14:50

Session 3: Tumor Biology and Metastasis 1

Chairs: Chikashi Ishioka, Seiji Yano

S3-1 (13:00 ~ 13:40)

Role of TrkC and ETV6-NTRK3 (TEL-TrkC) fusion oncogene in human malignancies

Seong-Jin Kim (Lee Gil Ya Cancer and Diabetes Research Institute, Gachon University of Medicine and Science)

S3-2 (13:40 ~ 14:10)

Metastasis-associated tyrosine phosphatase PRL is a redox-sensor that regulates oncogenic signaling

Hiroaki Miki (Institute for Protein Research, Osaka University)

S3-3 (14:10 ~ 14:50)

Acquisition of Malignant Traits as a Result of Systemic Instigation.

Sandra S. McAllister (Brigham and Women's Hospital, Harvard Medical School)

Break 14:50 ~ 15:10

15:10 ~ 16:50

Session 4: Tumor Biology and Metastasis 2

Chairs: Nobuyuki Takakura, Takashi Suda

S4-1 (15:40 ~ 16:20)

A Molecular View of Cancer and Metastasis

Albert Zlotnik (School of Medicine, University of California, Irvine)

S4-2 (15:10 ~ 15:40)

Molecular target therapies and molecular markers of metastatic colorectal cancer

Chikashi Ishioka (Institute of Development, Aging and Cancer)

S4-3 (16:20 ~ 16:50)

A systemic survey of substrates and regulators of MT1-MMP

Motoharu Seiki (Institute of Medical Science, University of Tokyo)

16:50 ~ 17:00

Commendation Ceremony for Young Investigator Award

Closing Remark

Naofumi Mukaida (Director of Cancer Research Institute, Kanazawa University)
