

# Program

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**June 24, 2010**

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Registration 12:00 ~

**13:00**

**Opening Remarks**

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

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**13:10 ~ 14:50**

**Session 1: Cancer Initiating Cells and Carcinogenesis**

**Chairs: Yuji Hiraki, Atushi Hirao**

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**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)

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Break 14:40 ~ 15:00

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**15:00 ~ 17:00**

**Young Investigator Forum**

**Chairs: Hiroko Oshima, Ryu Imamura**

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**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- $\beta$ –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 neuroblastoms**

**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)

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**17:00 ~ 18:30**

**Poster Session**

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**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<sup>+</sup> 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**

**Eiryu 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)

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**18:30 ~ 21:00**

**Reception**

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

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**June 25, 2010**

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9:30 ~ 11:30

**Session 2: Topics in Molecular and Cell Biology**

**Chairs: Fumiko Toyoshima, Kunio Matsumoto**

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**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)

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**11:30 ~ 13:00**

Lunch and Network Organizer Meeting

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**13:00 ~ 14:50**

**Session 3: Tumor Biology and Metastasis 1**

**Chairs: Chikashi Ishioka, Seiji Yano**

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**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)

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Break 14:50 ~ 15:10

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**15:10 ~ 16:50**

**Session 4: Tumor Biology and Metastasis 2**

**Chairs: Nobuyuki Takakura, Takashi Suda**

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**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)

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**16:50 ~ 17:00**

**Commendation Ceremony for Yong Investigator Award**

**Closing Remark**

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

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