Program

February 1, 2008

14:00

Opening Remarks

Yasunobu Yoshikai
(Director of Medical Institute of Bioregulation, Kyushu University)

14:05-15:45

Session 1: Cancer and Cancer Stem Cells

Chair: Katsuji Yoshioka, Keiichi Nakayama

**S1-1** (14:05-14:35)
Involvement of a cell adhesion molecule CADM1/TSLC1 in human lung oncogenesis.

Yoshinori Murakami (Institute of Medical Science, The University of Tokyo)

**S1-2** (14:35-15:05)
Identification of novel cancer genes using retroviral insertional mutagenesis in mice.

Takeshi Suzuki (Cancer Research Institute, Kanazawa University)

**S1-3** (15:05-15:45)
Stem cells: from DNA damage repair to their role in skin carcinogenesis.

Leon H.F. Mullenders (Leiden University Medical Center)

15:45-16:00 Coffee break
16:00-17:52
Young Investigators Forum (Oral Presentation)
Chair: Naoki Makino, Yusaku Nakabeppu

Y-1 (16:00-16:07)
Activation of Wnt signaling in gastric cancer cells by inflammatory macrophages.
Keisuke Oguma (Cancer Research Institute, Kanazawa University)

Y-2 (16:07-16:14)
Essential involvement of the tumor necrosis factor axis in colon carcinogenesis.
Boryana K. Popivanova (Cancer Research Institute, Kanazawa University)

Y-3 (16:14-16:21)
Structural dissection of the interaction between Reelin and its receptor.
Norihisa Yasui (Institute for Protein Research, Osaka University)

Y-4 (16:21-16:28)
Structure of a large ribonucleoprotein complex.
Koji Kato (Institute for Protein Research, Osaka University)

Y-5 (16:28-16:35)
OX40-OX40 ligand interactions in eliciting anti-tumor immunity.
Toshiaki Kikuchi (Institute of Development, Aging and Cancer, Tohoku University)

Y-6 (16:35-16:42)
T cell receptor signaling regulates RUNXI gene expression.
Wong Won Fen (Institute of Development, Aging and Cancer, Tohoku University)

Y-7 (16:42-16:49)
HCV infection in immortalized primary human hepatocytes.
Hussein Hassan Aly (Institute for Virus Research, Kyoto University)

Y-8 (16:49-16:56)
A novel anti-HIV approach by changing vesicle transport route of cellular membrane protein.
Takeshi Yoshida (Institute for Virus Research, Kyoto University)
Y-9  (16:56-17:03)
Role of CXCL12-CXCR4 chemokine signaling in the generation of plasmacytoid dendritic cells.
Hiroshi Kohara (Institute for Frontier Medical Sciences, Kyoto University)

Y-10  (17:03-17:10)
The role of c-type lectin receptors in the homeostasis of the immune system.
Noriyuki Fujikado (Institute of Medical Science, The University of Tokyo)

Y-11  (17:10-17:17)
PRAT4A (protein associated with Toll-like receptor 4) is required for multiple Toll-like receptor responses.
Takuma Shibata (Institute of Medical Science, The University of Tokyo)

Y-12  (17:17-17:24)
Involvement of Plexin-A1 in vivo dendritic cell-transmigration through dendritic cell-endothelial cell interactions.
Hyota Takamatsu (Research Institute for Microbial Disease, Osaka University)

Y-13  (17:24-17:31)
Differential role of TLR- and RLR-signaling in the immune responses to influenza a virus infection and vaccination.
Shohei Koyama (Research Institute for Microbial Disease, Osaka University)

Y-14  (17:31-17:38)
Epigenetic control of p53 function by CHD8 through recruitment of histone H1.
Masaaki Nishiyama (Medical Institute of Bioregulation, Kyushu University)

Y-15  (17:38-17:45)
Two distinct pathways of cell death triggered by oxidative damage to nuclear and mitochondrial DNAs.
Sugako Oka (Medical Institute of Bioregulation, Kyushu University)

Y-16  (17:45-17:52)
Conditional ablation of Stat3/Socs3 discloses a dual role for reactive astrocytes after spinal cord injury.
Seiji Okada (SSP stem cell Unit, Kyushu University)

18:00-20:00
Young Investigators Forum (Poster Presentation) (with Buffet)
February 2, 2008

9:00-11:50  
**Session 2, Development of Immune Systems and Host Defense**  
Chair: Kensuke Miyake, Akihiko Yoshimura

**S2-1 (9:00-9:30)**  
**Molecular analysis of blood vessel maturation in physiological and pathological conditions.**  
*Nobuyuki Takakura* (Research Institute for Microbial Disease, Osaka University)

**S2-2 (9:30-10:00)**  
**CXCL12-CXCR4 chemokine signaling and niches for hematopoietic stem cells and B cell development.**  
*Takashi Nagasawa* (Institute for Frontier Medical Sciences, Kyoto University)

**S2-3 (10:00-10:30)**  
**Regulation of autoimmunity by PIR-B, an inhibitory receptor for class I MHC.**  
*Toshiyuki Takai* (Institute of Development, Aging and Cancer, Tohoku University)

**S2-4 (10:30-11:10)**  
**Studies on the role of IL-27 in the regulation of anti-inflammatory responses.**  
*Christopher Hunter* (University of Pennsylvania)

**S2-5 (11:10-11:50)**  
**Innate and adaptive immunity to aspergillus fumigatus.**  
*Eric Pamer* (Sloan-Kettering Institute)

11:50-13:00  Lunch
13:00-15:10

Session 3. Stem Cell and Differentiation

Chair: Nobuyuki Takakura, Yoshinori Fukui

S3-1 (13:00-13:30)
Necdin, an imprinted gene-encoded protein required for neuronal terminal differentiation.

Kazuaki Yoshikawa (Institute for Protein Research, Osaka University)

S3-2 (13:30-14:00)
Oscillatory expression of Hes1 in mouse embryonic stem cells.

Taeko Kobayashi (Institute for Virus Research, Kyoto University)

S3-3 (14:00-14:30)
Prospective isolation and clonal identification of hepatic stem cells.

Atsushi Suzuki (Medical Institute of Bioregulation, Kyushu University)

S3-4 (14:30-15:10)
Regulation of hematopoietic stem cell commitment by transcription factors.

Koichi Akashi (Center for Cellular and Molecular Medicine, Kyushu University Hospital)

15:10-15:30 Coffee break
15:30-17:20

Session 4: Cancer Therapy

Chair: Takashi Fujita, Masaki Mori

S4-1 (15:30-16:10)

I Tumor progression and development of metastases: the role of free nucleic acids in cell transformation (The “Hypothesis of genometastasis”).

II Expanded adipose-derived stem cells (Cx401) for the treatment of complex perianal fistula; a randomized, controlled clinical trial.

Damian Garcia-Olmo (La Paz University Hospital)

S4-2 (16:10-16:40)

Basic and clinical trials of immune therapy targeting malignancies

Kenzaburo Tani (Medical Institute of Bioregulation, Kyushu University)

S4-3 (16:40-17:20)

Specific targeting of the immune microenvironment for cancer immunotherapy.

Drew M. Pardoll (The Johns Hopkins University, School of Medicine)

17:20-17:30

Yong Investigator Award & Closing Remarks

Yusaku Nakabeppu
(Vice Director of Medical Institute of Bioregulation, Kyushu University)