

Cancer and Cancer Stem Cells
Development of Immune systems and Host Defense
Stem Cell and Differentiation
Cancer Therapy

Cell-fate Decision: Function and Dysfunction in Host Defense

– Tumor, Infection and Immunity –

**The Joint Symposium of
the 3rd International Symposium of Institutes Network
and Hot Spring Harbor-Global COE Symposium**



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主催：

九州大学生体防御医学研究所 Medical Institute of Bioregulation, Kyushu Univ.
九州大学グローバル COE プログラム Kyushu Univ. Global COE Program

共催：

東京大学医科学研究所 Institute of Medical Science, The Univ. of Tokyo
京都大学ウイルス研究所 Institute for Virus Research, Kyoto Univ.
大阪大学微生物病研究所 Research Institute for Microbial Disease, Osaka Univ.
大阪大学蛋白質研究所 Institute for Protein Research, Osaka Univ.
金沢大学がん研究所 Cancer Research Institute, Kanazawa Univ.
東北大学加齢医学研究所 Institute of Development, Aging and Cancer, Tohoku Univ.
京都大学再生医科学研究所 Institute for Frontier Medical Sciences, Kyoto Univ.
国立大学附置研究所・センター長会議

後援：

日本製薬団体連合会
内藤記念科学振興財団
国立大学附置研究所・センター長会議第2部会

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 *RUNX1* 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 genomastasis”).

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

Young Investigator Award & Closing Remarks

Yusaku Nakabeppu

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