

The 21st Hot Spring Harbor Symposium jointly with 9th Global COE International Symposium

Cell Migration in Biology and Medicine

Dates : **January 22 (Sun) - 23 (Mon), 2012**

Venue : Audio-Visual Hall, Kyushu University Collaborative Research Station-I
Kyushu University Hospital Campus
3-1-1, Maidashi, Higashi-ku, Fukuoka

Organized by:

Kyushu University Global COE Program
"Cell-fate Decision: Function and Dysfunction in Homeostasis"
<http://cellfate-gcoe.jp/>

Medical Institute of Bioregulation, Kyushu University

Co-organized by:

Joint Usage / Research Center
for Multi-stratified Host Defense System

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Program

The 21st Hot Spring Harbor Symposium jointly with 9th Global COE International Symposium

Cell Migration in Biology and Medicine

Audio-Visual Hall, Kyushu University Collaborative Research Station-I

January 22, 2012

9:00

Opening Remarks

Yukio Fujiki

(Leader of Global COE Program, Kyushu University)

9:10 – 11:50

Symposium I: Cell Migration in Developmental Biology

Chair: Hisao Kondo

S1-I-1 (9:10 – 9:50)

Shosei Yoshida (National Institute for Basic Biology)

In vivo behavior of the mouse sperm stem cell population

S1-I-2 (9:50 – 10:30)

Takeshi Kawauchi (Keio University)

Endocytic regulation of N-cadherin promotes neuronal migration during cerebral cortical development

S1-I-3 (10:30 – 11:10)

Chikara Meno (Kyushu University)

Regulation of visceral endoderm migration in the anterior-posterior axis formation

S1-I-4 (11:10 – 11:50)

Timothy Hla (Cornell University)

Role of S1P signaling in vascular and immune systems

Lunch (11:50 – 14:00)

14:00 – 18:30

Symposium II: Cell Migration in Immunology

Chair: Takehiko Yokomizo

S1-II-1 (14:00 – 14:40)

Takashi Nagasawa (Kyoto University)

Bone marrow niches controlling behavior of hematopoietic stem and progenitor cells

S1-II-2 (14:40 – 15:20)

Hideki Sumimoto (Kyushu University)

Mechanism for cell polarization during chemotaxis of neutrophils

S1-II-3 (15:20 – 16:00)

Takaharu Okada (RCAI, RIKEN)

Imaging of lymphocyte dynamics during the germinal center formation

Break (16:00 – 16:30)

Chair: Yoshinori Fukui

S1-II-4 (16:30 – 17:10)

Tatsuo Kinashi (Kansai Medical University)

Regulation of immune cell trafficking and antigen recognition through Rap1 signaling

S1-II-5 (17:10 – 17:50)

Kenji Kabashima (Kyoto University)

Live imaging of the skin immune cells and responses

S1-II-6 (17:50 – 18:30)

Matthew Krummel (University of California, San Francisco)

Visualizing the Immune Bee-Hive: Motor-protein regulated motility, motile synapses and the generation of collective behaviors in the immune response

January 23, 2012

9:00 – 11:40

Symposium III: Cell Migration in Cancer Biology

Chair: Yusaku Nakabeppu

S1-III-1 (9:00 – 9:40)

Tatsushi Igaki (Kobe University)

Dissecting tumor progression and metastasis by *Drosophila* genetics

S1-III-2 (9:40 – 10:20)

Junken Aoki (Tohoku University)

Autotaxin regulates vascular development via multiple LPA receptors

S1-III-3 (10:20 – 11:00)

Stephanie Alexander (The University of Texas MD Anderson Cancer Center)

Deep collective cancer invasion - A resistance niche

S1-III-4 (11:00 – 11:40)

Hisataka Sabe (Hokkaido University)

p53 mutation and TGF β signaling culminate in cancer invasiveness via GEP100-Arf6-AMAP1 pathway

11:40

Closing Remarks

Kenzaburo Tani

(Director of Medical Institute of Bioregulation, Kyushu University)
