

The 5th Nikko International Symposium 2008

Stem Cells and Cancer

Date: Saturday October 25, 2008

Venue: JMU Information and In-service Training Center

Opening Remark

10:00 – 10:05

Fumimaro Takaku

President of Jichi Medical University, Tochigi, Japan

Introduction

10:05 – 10:10

Keiya Ozawa

Director, Center for Molecular Medicine, Jichi Medical University, Tochigi, Japan

Toward Regeneration Therapy

Chairperson: Yoichi Sakata

10:10 – 10:30

Steeling project for renal regeneration therapy

Eiji Kobayashi

Division of Organ Replacement Research, Center for Molecular Medicine
Jichi Medical University, Tochigi, Japan

10:30 – 10:50

Hematopoietic Stem Cell Transplantation in Non-human Primates

Yutaka Hanazono

Division of Regenerative Medicine, Center for Molecular Medicine
Jichi Medical University, Tochigi, Japan

Neuronal System and Repair

Chairperson: Kiyoshi Kawakami & Toshihiko Yada

10:50 – 11:10

Six homeobox genes regulate neural crest multipotency

Hiroshi Yajima

Division of Biology, Center for Molecular Medicine
Jichi Medical University, Tochigi, Japan

11:10 – 11:30

Sphingosine 1-phosphate, a lysophospholipid mediator involved in the migration of neural stem/progenitor cells toward an injured central nervous system

Tsukasa Ohmori

Division of Cell and Molecular Medicine, Center for Molecular Medicine
Jichi Medical University, Tochigi, Japan

11:30 – 12:00

CNS-repair using pluripotent stem cells

Hideyuki Okano

Department of Physiology
Keio University School of Medicine, Tokyo, Japan



12:00 ~13:00 Lunch at the SEIYODO restaurant



Stem Cell System

Chairperson: Hitoshi Endo & Yusuke Furukawa

13:00 – 13:30

PI3K/Akt signal in stem cell systems

Toru Nakano

Department of Pathology, Graduate School of Frontier Biosciences
Osaka University, Osaka, Japan

13:30 – 13:50

Expression levels of histone deacetylases determine the cell fate of hematopoietic progenitors

Yusuke Furukawa

Division of Stem Cell Regulation, Center for Molecular Medicine
Jichi Medical University, Tochigi, Japan

13:50 – 14:20

TGF- β as a candidate bone marrow niche signal to induce hematopoietic stem cell hibernation

Hiromitsu Nakauchi

Division of Stem Cell Therapy, Center for Stem Cell and Regenerative Medicine
Institute of Medical Science
University of Tokyo, Tokyo, Japan

14:20 – 15:10

The systems biology of hematopoiesis

Janis Abkowitz

Division of Hematology, Department of Medicine
University of Washington, Seattle, U.S.A.



15:10 – 15:30

Coffee Break & Photograph



Cancer Genes and Cancer Stem Cells

Chairperson: : Sadahiko Iwamoto & Hiroaki Okamoto

15:30 – 16:00

Genome-wide association study on diffuse-type gastric cancer and GeMDBJ database

Teruhiko Yoshida and The Study Group of Millennium Genome Project for Cancer

Genetics Division

National Cancer Center Research Institute, Tokyo, Japan

16:00 – 16:20

Discovery of a novel transforming gene in lung cancer

Hiroyuki Mano

Division of Functional Genomics, Center for Molecular Medicine
Jichi Medical University, Tochigi, Japan

16:20 – 16:50

Establishment of osteosarcoma cancer stem cells from mouse bone marrow stromal cells

Hideyuki Saya

Division of Gene Regulation, Institute for Advanced Medical Research
Keio University School of Medicine, Tokyo, Japan

Genetic Manipulation of Stem Cells

Chairperson: Keiya Ozawa

16:50 – 17:10

Targeted integration of transgene into a specific site in human genome by AAV integration machinery

Masashi Urabe

Division of Genetic Therapeutics, Center for Molecular Medicine
Jichi Medical University, Tochigi, Japan

17:10 – 18:00

Insertional transformation of hematopoietic stem cells: Manifestation, mechanisms and prevention

Christopher Baum

Department of Experimental Hematology
Hannover Medical School, Hannover, Germany

Closing Remark

18:00 – 18:10

Shin-ichi Tominaga

Dean, School of Medicine, Jichi Medical University, Tochigi, Japan



18:20 ~19:30

**Buffet-style dinner party
at the restaurant RAPO**



Cosponsored by

**Center for Molecular Medicine, Jichi Medical University
Support Program for Improving Graduate School Education
of the Japan Society for the Promotion of Science (JSPS)
Sankyo Foundation of Life Science**

【Secretariat】

Division of Genetic Therapeutics, Center for Molecular Medicine, Jichi Medical University
3311-1 Yakushiji, Shimotsuke-shi, Tochigi 329-0498, Japan
TEL: +81-285-58-7402 FAX: +81-285-44-8675 E-mail: dgctmm@jichi.ac.jp