The 8th Nikko International Symposium 2011
Cell & Gene Therapy: From Concept To Reality

Date: Friday October 21, 2011
Venue: JMU Information and In-service Training Center

Opening Remark
10:00~10:05
Fumimaro Takaku
President, Jichi Medical University, Tochigi, Japan

Introduction
10:05~10:10
Keiya Ozawa
Director, Center for Molecular Medicine, Jichi Medical University, Tochigi, Japan

Basic & Translational Research in JMU
Chairperson: Kiyoshi Kawakami
10:10~10:35
The role of chromatin regulator MRG15 in neural stem/progenitor cell function and DNA damage response
Kaoru Tominaga
Division of Functional Biochemistry, Department of Biochemistry
Jichi Medical University, Tochigi, Japan

10:35~11:00
Control of growth and differentiation of muscle satellite cells to innovate cell therapy
Hiroshi Yajima
Division of Biology, Center for Molecular Medicine
Jichi Medical University, Tochigi, Japan

Chairperson: Toshihiko Yada
11:00~11:25
NF-κB activity regulates MSC (mesenchymal stem cell) accumulation at tumor sites
Ryosuke Uchibori
Divisions of Genetic Therapeutics and Immuno- Gene & Cell Therapy (Takara Bio)
Center for Molecular Medicine, Jichi Medical University, Tochigi, Japan

11:25~11:50
The generation of high-quality iPS cells
Yutaka Hanazono
Division of Regenerative Medicine, Center for Molecular Medicine
Jichi Medical University, Tochigi, Japan

12:00~13:00 Lunch Time
**Gene Therapy Using Viral Vectors**

**Chairperson: Sadahiko Iwamoto**
13:00–13:30

_Prostate cancer gene therapy as a translational research_

_Yasutomo Nasu_
Center for Innovative Clinical Medicine
Okayama University Hospital, Okayama, Japan

13:30–13:55

_Gene therapy for Parkinson's disease: Four years of follow-up_

_Shin-ichi Muramatsu_
Division of Neurology, Department of Medicine
Jichi Medical University, Tochigi, Japan

**Chairperson: Yoichi Sakata**
13:55–14:20

_Animal models for hemophilia gene therapy study_

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

14:20–15:00

_A phase I/II clinical trial entailing peripheral vein administration of a novel self complementary adeno-associated viral vector encoding human FIX for haemophilia B gene therapy_

_Amit Nathwani_
Research Department of Haematology
University College London, London, United Kingdom

15:00–15:15  **Coffee Break**

**Cancer and miRNA**

**Chairperson: Yusuke Furukawa**
15:15–15:45

_Function-based screening of tumor-suppressor microRNAs silenced by DNA hypermethylation in cancer_

_Johji Inazawa_
Department of Molecular Cytogenetics, Medical Research Institute
Tokyo Medical and Dental University, Tokyo, Japan

**Chairperson: Hiroyuki Mano**
15:45–16:15

_miRNA alterations in the pathogenesis of human lung cancer_

_Takashi Takahashi_
Division of Molecular Carcinogenesis, Center for Neurological Diseases and Cancer
Nagoya University Graduate School of Medicine, Nagoya, Japan
Antitumor CD8+ T cells in vitro-educated by artificial APC possess an intrinsic capacity to persist, establish antitumor immunological memory, and induce clinical responses in humans

Naoto Hirano
Immune Therapy Program
Ontario Cancer Institute/Princess Margaret Hospital
Toronto, Canada

Chairperson: Keiya Ozawa
16:50~17:30
Targeting tumors with genetically enhanced T lymphocytes

Michel Sadelain
Center for Cell Engineering
Memorial Sloan-Kettering Cancer Center
New York, USA

Closing Remark
17:30~17:35

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

17:45~19:00 Buffet-style dinner party (SEIYODO restaurant)