

# The 8<sup>th</sup> 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- $\kappa$ B 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

**Novel Approaches to Cancer Immunotherapy**

**Chairperson: Masafumi Takahashi**

16:15~16:50

**Antitumor CD8<sup>+</sup> 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)**



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**Sponsored by Center for Molecular Medicine, Jichi Medical University**

**【Secretariat】**

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