



# The 5<sup>th</sup> IMSUT-CGCT Symposium 2018



Date: Tuesday January 30, 2018

Venue: IMSUT Auditorium

Moderator: Sumimasa Nagai (IMSUT)

## Opening Remarks

10:00~10:05

**Yoshinori Murakami**

Dean, The Institute of Medical Science, The University of Tokyo (IMSUT)

## Introduction

10:05~10:20

**Keiya Ozawa:** Director, Center for Gene & Cell Therapy (CGCT), IMSUT

## Part 1 Cellular Therapy

**Chairperson: Makoto Otsu (IMSUT)**

10:20~10:45

**New aspects of cord blood transplantation as cellular therapy**

**Satoshi Takahashi**

Division of Molecular Therapy, Advanced Clinical Research Center, IMSUT

10:45~11:10

**Multi-virus specific T cell therapy for drug-resistant viral infection following hematopoietic cell transplantation**

**Tomohiro Morio**

Department of Pediatrics and Developmental Biology  
Tokyo Medical and Dental University (TMDU)

**Chairperson: Tokiko Nagamura (IMSUT)**

11:10~11:35

**Clinical applications of umbilical cord blood stem cells and cord-derived mesenchymal stromal cells for neonatal encephalopathy**

**Masahiro Tsuji**

Department of Regenerative Medicine and Tissue Engineering  
National Cerebral and Cardiovascular Center

11:35~12:00

**Hematopoietic stem cell transplantation for adult cerebral form of adrenoleukodystrophy**

**Shoji Tsuji**

Department of Molecular Neurology, The University of Tokyo  
International University of Health and Welfare

12:00~13:00



**Lunch Time**



## Part 2 Oncolytic Virotherapy

**Chairperson: Tomoki Todo (IMSUT)**

13:00~13:25

**Development of oncolytic coxsackievirus therapy for the clinical trial**

**Shohei Miyamoto**

Project Division of ALA Advanced Medical Research, IMSUT

13:25~13:55

**Infectivity selective adenovirus based on adenovirus library screening**

**Masato Yamamoto**

Division of Basic and Translational Research, University of Minnesota

### **Part 3** CAR-T Cell Therapy

**Chairperson: Arinobu Tojo (IMSUT)**

13:55~14:20

**The activated conformation of integrin  $\beta 7$  is a novel multiple myeloma-specific target for CAR T-cell therapy**

**Naoki Hosen**

Department of Cancer Stem Cell Biology, Osaka University

14:20~15:00

**CARS and armored CARS**

**Renier J. Brentjens**

Cellular Therapeutics

Memorial Sloan Kettering Cancer Center

15:00~15:20



**Coffee Break**



### **Part 4** AAV Vector Gene Therapy

**Chairperson: Toshio Kitamura (IMSUT)**

15:20~15:45

**Gene therapy for CNS disorders: current protocols and future applications**

**Shin-ichi Muramatsu**

Division of Neurology, Jichi Medical University

Center for Gene & Cell Therapy (CGCT), IMSUT

15:45~16:10

**CRISPR/Cas9-mediated genome editing for hemophilia B by AAV vector**

**Tsukasa Ohmori**

Department of Biochemistry, Jichi Medical University

**Chairperson: Kenzaburo Tani (IMSUT)**

16:10~16:40

**New insights into adeno-associated virus (AAV) vectors obtained by DNA/RNA barcoding**

**Hiroyuki Nakai**

Oregon Health & Science University

16:40~17:20

**AAV-mediated gene therapy for genetic disease: clinical studies in congenital blindness and hemophilia**

**Katherine A. High**

Spark Therapeutics

### **Closing Remarks**

17:20~17:25

**Kei-ya Ozawa:** Director, Center for Gene & Cell Therapy (CGCT), IMSUT

17:45~19:30



**Buffet-style Dinner Party at Tomy Hall (IMSUT Hospital, 8F)**

(Fee: 3,000 yen)



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### **Organized by IMSUT-CGCT**

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