

**Medical Research Institute 40th Anniversary
13th Surugadai International Symposium & Joint Usage/Research
Program of Medical Research Institute International Symposium**

Friday 28 November, 2014

Akio Suzuki Memorial Hall (M&D Tower 2F)

Opening Remarks **9:00-9:05**

Dr. Hitoshi Okazawa (Medical Research Institute, TMDU)

Session 1 Cardiovascular Diseases **9:05-11:30**

Chair : Dr. Hiroshi Nishina (MRI, TMDU) / Dr. Akinori Kimura (MRI, TMDU)

9:05-9:30 Dr. Akinori Kimura (Medical Research Institute, TMDU)
Title : Molecular Pathogenesis of Idiopathic Cardiomyopathy.

9:30-9:55 Dr. Shinsuke Yuasa (Keio University School of Medicine)
Title : ET-1 induces myofibrillar disarray and contractile vector variability in hypertrophic cardiomyopathy-iPS cell-derived cardiomyocytes.

9:55-10:25 Dr. Kenji YASUDA (Institute of Biomaterials and Bioengineering, TMDU)
Title : On-chip quasi-in vivo cardiomyocyte network screening assay for predictive cardiotoxicity beyond hERG and QT assays.

10:25-10:50 Dr. Tetsushi Furukawa (Medical Research Institute, TMDU)
Title : Genetic defects in a His-Purkinje system transcription factor cause lethal cardiac arrhythmias.

10:50-11:30 Dr. Vincent Christoffels (Academic Medical Center, Netherland)
Title : Transcriptional regulation of cardiac conduction system development.

Lunch Break **11:30-12:45**

Complimentary Address **MC :** Dr. Fumitoshi Ishino (MRI, TMDU) **12:50-13:10**

12:50-13:00 Dr. Yasuyuki Yoshizawa (President, TMDU)

13:00-13:10 Ministry of Education, Culture, Sports, Science and Technology

Session 2 Psycho-neurologic Diseases **13:15-15:40**

Chair : Dr. Shigeomi Shimizu (MRI, TMDU) / Dr. Kohichi Tanaka (MRI, TMDU)

13:15-13:40 Dr. Hitoshi Okazawa (Medical Research Institute, TMDU)
Title: Comprehensive phosphoproteome analysis unravels the core signaling network that initiates the earliest synapse pathology in preclinical Alzheimer's disease brain.

13:40-14:05 Dr. Shinichi Hirose (Fukuoka University Faculty of Medicine)
Title : Patient-derived induced pluripotent stem cells (iPSCs) reveal the pathomechanisms of Dravet syndrome.

14:05-14:30 Dr. Kohichi Tanaka (Medical Research Institute, TMDU)
Title : Role of glutamate transporters in the pathophysiology of neuropsychiatric diseases.

14:30-15:00 Dr. Toru Nishikawa (Graduate School of Medical and Dental Sciences, TMDU)
Title : Dysregulation of the NMDA type glutamate receptor and schizophrenia.

15:00-15:40 Dr. Alysson R. Muotri (University of California San Diego School of Medicine, USA)
Title : Studying the interplay between neurons and astrocytes using iPS cells.

Coffee Break **15:40-16:00**

Session 3 Immunological Disorders **16:00-18:25**

Chair : Dr. Emi K. Nishimura (MRI, TMDU) / Dr. Takeshi Tsubata (MRI, TMDU)

16:00-16:25 Dr. Susumu Kusunoki (Kinki University School of Medicine)
Title : Antibodies to gangliosides and ganglioside complexes in autoimmune neuropathies.

16:25-16:50 Dr. Takeshi Tsubata (Medical Research Institute, TMDU)
Title : CD22-binding synthetic sialosides as a tool to elucidate the role of CD22 cis-ligand and as a novel immunostimulant.

16:50-17:20 Dr. Hajime Karasuyama (Graduate School of Medical and Dental Sciences, TMDU)
Title : Emerging Roles of Basophils in Allergy and Protective Immunity.

17:20-17:45 Dr. Toshiaki Ohteki (Medical Research Institute, TMDU)
Title : A novel source of dendritic cells, the control tower of the immune system.

17:45-18:25 Dr. Eran Elinav (Weizmann Institute of Science, Israel)
Title : The host and its microbiota in health and disease.

Closing Remarks **18:30-18:40**

Dr. Fumitoshi Ishino(Director, Medical Research Institute, TMDU)

Reception **Venue: Arumeida 19:00-21:00**

Award Ceremony : Dr. Ikuo Morita (Executive Director of Research and International Cooperation, TMDU)

Complimentary Address : Dr. Ikuo Morita (Executive Director of Research and International Cooperation, TMDU)