

International Symposium of Tsukuba *Transborder* Medical Research Center

Program

- 10:00~10:20 Opening remarks
from President and MEXT
- 10:20~10:40 Introduction of *Transborder* Medical Research Center
Dr. Satoru Takahashi
- 10:40~11:50 First session, Genomics and Cancer
Dr. Masafumi Muratani (Genome Biology) (20min)
"System-level understanding of life and disease through genomics analysis"
- Dr. Takatsugu Hirokawa (Informatics) (20min)
"In silico Drug Discovery using Molecular Modeling and Simulation"
- Dr. Seong-Jin Kim (Seoul National University) (30min)**
"Therapeutic Strategy Targeting TGF-beta/Smad3 Signaling in Metastatic Cancers"
- 11:50~13:00 Lunch
- 13:00~14:10 Second session, Proteomics and New Drugs
Dr. Atsushi Kawaguchi (Infection Biology) (20min)
"Biochemical and structural analysis of influenza viral polymerase for antiviral drug development"
- Dr. Mitsuyasu Kato (Cell Kinetics) (20min)
"Tumorigenic function of EMT inducers"
- Dr. Peter ten Dijke (Leiden University) (30min)**
"Targeting TGF-beta family signalling in human diseases"
- 14:10~15:20 Third session, Metabolism
Dr. Shinji Fukuda (Metabologenomics) (20min)
"Shedding light on the function of gut microbiota, another organ in our body"
- Dr. Takashi Matsuzaka (Energy Metabolism) (20min)
"A new aspect of lipids in various physiologies and diseases: lessons from Elovl6"

Dr. Yumiko Oishi (Tokyo Medical Dental University) (30min)

"Coordinated regulation of inflammatory response and fatty acid metabolism in macrophage"

15:20~15:40 Coffee break

15:40~17:10 Fourth session, Disease Modeling

Dr. Masayuki Matsumoto (Cognitive Neuroscience) (20min)

"Electrophysiological and optogenetic studies on dopamine functions in the primate brain"

Dr. Yoshihiro Miwa (Imaging) (20min)

"Non-invasive NIR fluorescence imaging in living mice"

Dr. Fumihiro Sugiyama (Mouse Model) (20min)

"Customized production of genetically modified mice using CRISPR in Laboratory Animal Resource Center of University of Tsukuba"

Dr. Tilo Kunath (University of Edinburgh) (30min)

"Cell therapy and CRISPR technology to tackle Parkinson's disease"

17:10 Closing remarks

17:20~19:20 Reception

トランスボーダー医学研究センター 国際シンポジウム

日時： 2017年6月17日（土） 10時～18時 その後懇親会

場所： つくば国際会議場エポカル 中会議室 200

講演者：

Dr. Peter ten Dijke (Leiden University, Netherlands)
Dr. Seong-Jin Kim (Seoul National University, South Korea)
Dr. Tilo Kunath (University of Edinburgh, United Kingdom)
Dr. Yumiko Oishi (Tokyo Medical and Dental University, Japan)

Dr. Masayuki Matsumoto (University of Tsukuba)
Dr. Atsushi Kawaguchi (University of Tsukuba)
Dr. Takashi Matsuzaka (University of Tsukuba)
Dr. Mitsuyasu Kato (University of Tsukuba)
Dr. Shinji Fukuda (Keio University/University of Tsukuba)
Dr. Masafumi Muratani (University of Tsukuba)
Dr. Takatsugu Hirokawa (AIST/ University of Tsukuba)
Dr. Yoshihiro Miwa (University of Tsukuba)
Dr. Fumihiro Sugiyama (University of Tsukuba)
Dr. Satoru Takahashi (University of Tsukuba)