

Part **61**

Tokyo Medical and Dental University
Graduate School Seminar

第 61 回 大学院医歯学総合研究科 大学院セミナー

医歯理工学専攻、医歯理工保健学専攻科目「医歯理工学先端研究特論」【3003】

医歯学系専攻、医歯学専攻科目「医歯学総合特論」【8601】

生命理工学系専攻科目「生命理工学先端研究特論」【6200】

生命理工医療科学専攻科目「生命理工医療科学先端研究特論」【6201】

18th Surugadai International Symposium & Joint Usage/Research
Program of Medical Research Institute International Symposium

“The Future of Biomedical Science Research Pioneered by Advanced Technology”

Date : 2019.11.18 (Mon) 13 : 00 - 17 : 55

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

13:00 - 13:05 Opening Remarks Dr. Fumitoshi Ishino

13:05 - 14:40 Session 1 The Frontier of Genome Editing Technology

13:05-13:40 Dr. Hiroshi Nishimasu (Department of Biological Sciences, University of Tokyo)

Title: Structure and engineering of CRISPR-Cas9

13:40-14:10 Dr. Keiichiro Suzuki (Institute for Advanced Co-Creation Studies, Osaka University)

Title: Development of in vivo genome-editing technologies and application for genome-editing therapy

14:10-14:40 Dr. Tomomi Aida (McGovern Institute for Brain Research)

Title: Evidence, molecular basis, and cellular dynamics of genomic self-repair in mammalian zygotes

15:00-16:30 Session 2 The Frontier of Single Cell Biology and Technology

15:00-15:30 Dr. Saskia Freytag (Lister Lab, Harry Perkins Institute of Medical Research)

Title: Addressing computational challenges of the analysis of single cell RNA-sequencing data

15:30-16:00 Dr. Hironobu Fujiwara (RIKEN Center for Biosystems Dynamics Research)

Title: A new model for coordinated hair follicle morphogenesis and stem cell induction

16:00-16:30 Dr. Naganari Ohkura (Immunology Frontier Research Center, Osaka University)

Title: Regulatory T cell manipulation for enhancing anti-tumor immune activity

17:30-18:00 Dr. Sadakatsu Ikeda (Cancer Center, Medical Hospital, TMDU)

Title: Next-generation treatment strategies in Precision Cancer Medicine

16:50-17:50 Session 3 The Frontier of iPS Technology

16:50-17:20 Dr. Hideki Masaki (Department of Stem Cell Therapy, University of Tokyo)

Title: Creating human organs in animal body

15:30:16:00 Dr. Jun K. Takeuchi (Medical Research Institute, Tokyo Medical and Dental University)

Title: The Next Generation for Heart Research with Direct-Programming/Reprogramming Technologies

17:50-17:55 Closing Remarks Dr. Toshiaki Ohteki

TMDU Graduate School of Medical and Dental Sciences (東京医科歯科大学医歯学総合研究科)

Educational Planning Section (学務企画課)

Inquiries (問い合わせ先) : 学務企画課大学院教務第一係 TEL:03-5803-4676・4679 FAX:03-5803-0210 <http://www.tmd.ac.jp>