

SY-10

Room A October 3 (Wed.) 10 : 00~12 : 00

Frontier science of transporter research based on innovative ideas

Organizer : Kazuya Maeda Graduate School of Pharmaceutical Sciences, The University of Tokyo

Katsuhisa Inoue School of Pharmacy, Tokyo University of Pharmacy and Life Sciences

SY-10-01**Drug Rescuing based on structure analyses by Cryo-EM**

Yoshinori Fujiyoshi

Cellular and Structural Physiology Institute, Nagoya University



He was born in Gifu, in 1948, and graduated from the Faculty of Science, Nagoya University in 1971. He received his Ph.D. from Kyoto University in 1982. In 1980, he began working as a Research Assistant at the Institute for Chemical Research, Kyoto University. He then moved to the Protein Engineering Research Institute. After 1994, he was the Research Director at the International Institute for Advanced Research, Matsushita Electric Industrial Co., Ltd. In 1996, he became a Professor at the Graduate School of Science, Kyoto University. He then moved to Nagoya University in 2012. By developing cryo-electron microscopes, he has focused his efforts on the detailed analysis of the structures of membrane proteins, such as water channels, ion channels, receptors, gap junction channels, and tight junctions, to better understand their physiological functions. The development of single particle analysis by cryo-electron microscopy is changing strategy of drug development.

SY-10-02**Chronopharmacology based on circadian clock-regulated xenobiotic transporters**

Satoru Koyanagi

Department of Glocal Healthcare, Graduate School of Pharmaceutical Sciences, Kyushu University



2000: Ph. D. from Graduate School of Pharmaceutical Sciences, Kyushu University

2000-2005: Assistant Professor, Faculty of Pharmaceutical Sciences, Fukuoka University

2005-2016: Associate Professor, Faculty of Pharmaceutical Sciences, Kyushu University

2016-present: Professor, Faculty of Pharmaceutical Sciences, Kyushu University

SY-10-03**Functional regulation of neural stem cells by organic cation transporters**

Noritaka Nakamichi

Faculty of Pharmacy, Takasaki University of Health and Welfare



2005 Ph.D., Natural Science and Technology, Kanazawa University
 2002 Research Collaborator, Nuffield Laboratory of Ophthalmology, Oxford University, U.K.
 2003-2005 Research Fellow, The Japan Society for the Promotion of Science
 2005-2006 Postdoctoral Fellow, The Japan Society for the Promotion of Science
 2006-2008 Assistant Professor, Kanazawa University Graduate School of Natural Science and Technology
 2008-2009 Assistant Professor, Nagasaki University Graduate School of Biomedical Sciences
 2009-2018 Associate Professor, Faculty of Pharmacy, Kanazawa University
 2018-present Professor, Faculty of Pharmacy, Takasaki University of Health and Welfare

SY-10-04**Functional analysis of a novel riboflavin transporter, RFVT, and its impact on genetic disease**

Atsushi Yonezawa

Department of Clinical Pharmacy and Education, Graduate School of Pharmaceutical Sciences, Kyoto University



2002 B.S., Pharmaceutical Sciences, Kyoto University
 2016- Associate Professor, Graduate School of Pharmaceutical Sciences, Kyoto University
 2014.9-2015.9 Visiting Assistant Professor, Stanford University
 2013-2016 Senior Lecturer
 Dept. of Clinical Pharmacology & Therapeutics, Kyoto University Hospital
 2007-2013 Assistant Professor
 Dept. of Clinical Pharmacology & Therapeutics, Kyoto University Hospital

SY-10-05**Investigation of SLC35F2 drug transport function in mouse brain and primate BBB models**

Tatsuki Mochizuki

Laboratory of Molecular Pharmacokinetics, Graduate school of Pharmaceutical Sciences, the University of Tokyo



2016 B.S., Faculty of Pharmaceutical Sciences, The University of Tokyo
 2018 M.S., Graduate school of Pharmaceutical Sciences, The University of Tokyo
 2018-present Ph.D. student, Graduate school of Pharmaceutical Sciences, The University of Tokyo

SY-10-06**A Structure-activity relationship and computational study of ABC transporter inhibitors**

Feng Deng

University of Helsinki, Finland



Graduated from University of Helsinki, Faculty of Pharmacy in 2014 as Master of Pharmacy (M.Sc). Currently finishing Doctoral Thesis in Doctoral Programme in Drug Research and working in Faculty of Medicine. The most important publications focused on drug transporters, pharmacokinetics and modelling. Interest in drug transporters, metabolism and in vitro – in vivo extrapolation.