

Laboratory of Molecular Pharmacokinetics
36th Minisymposium
“Role of translational drug metabolism and transporter research in new drug discovery and development”

Chairman: Yuichi Sugiyama

Cosponsored by The University of Tokyo Global COE program "Medical System Innovation through Multidisciplinary Integration"

Date: September 17, 2009

Venue: Tetsumon Memorial Auditorium, The University of Tokyo

Program

9:30-9:35 Opening remark

9:35-10:15 Yuichi Sugiyama, Ph.D.

Graduate School of Pharmaceutical Sciences, The University of Tokyo

“Effective Use of Microdosing and PET Studies in New Drug Discovery and Development”

10:15-10:40 Hiroyuki Kusuvara, Ph.D.

Graduate School of Pharmaceutical Sciences, The University of Tokyo

“Characterization of Drug Transporters in Blood Brain Barrier and Renal Epithelia: Use of Gene KO Mice”

10:40-11:05 Kazuya Maeda, Ph.D.

Graduate School of Pharmaceutical Sciences, The University of Tokyo

“Prediction of the Hepatic Clearance of Transporter Substrates from In Vitro Experiments”

11:05-11:45 Discussion

11:50-13:00 Lunch

13:00-13:35 Jinding Huang, Ph.D.

National Cheng Kung university Medical College

“How will CYP3A5 genotypes affect inter-individual and inter-ethnic variation of drug disposition and development?”

13:35-14:10 Joseph W. Polli, Ph.D.

GlaxoSmithKline, Inc.

“Clinical Drug and Toxicological Interactions Involving Drug Transporters: A Case Study of Lapatinib”

14:10-14:45 Jasinder Sahi

Invitrogen

“Use of Human Hepatocytes in Predicting Metabolism and Transport of Drug Candidates”

14:45-15:20 Saeho Chong

Bristol-Myers Squibb

“Challenges in Optimization of ADME Properties of New Drug Candidates”

15:20-15:45 Noriko Okudaira, Ph.D.

Daiichi Sankyo Co., LTD.

“ Evaluation of Enzyme and Transporter Mediated Drug-Drug Interactions”

15:45-16:10 Recess

16:10-16:35 Minoru Tsuda-Tsukimoto, Ph.D.

Mitsubishi Tanabe Pharma Corporation

“Effect of Genetic Polymorphism of CYPs and Drug Transporters on the Pharmacokinetics of Organic Anions”

16:35-17:00 Makiko Kusama, MS

Graduate School of Pharmaceutical Sciences, The University of Tokyo

“*In Silico* Classification of Major Clearance Pathways of Drugs Based on Physicochemical Properties: How Can Pharmaceutical Industries and Regulators Use this Approach in Drug Evaluation? “

17:00-17:40 General Discussion

18:00- Reception in the Campus