THE 8th SUGIYAMA LABORATORY (RIKEN) OPEN SYMPOSIUM
“Exploring new approaches for improving the accuracy of pharmacokinetic prediction of new drug candidates”

Date: 13:50 - 18:30, October 17th, 2016
Venue: RIKEN Yokohama Main Office Building Hall

13:50-14:00 Opening remarks
Yuichi Sugiyama (Sugiyama Laboratory, RIKEN Innovation Center)

14:00-14:45 Differential impact of hypoxia on cancer-type vs liver-type variants of organic anion transporting polypeptide 1B3 (OATP1B3)
Wooin Lee (Seoul National University)

14:45-15:25 Does a mechanism of albumin-mediated hepatic uptake of organic anions account for the discrepancy of hepatic clearance between in vitro and in vivo?
Yuichi Sugiyama (Sugiyama Laboratory, RIKEN Innovation Center)

15:25-15:55 Analysis of nonlinear pharmacokinetics of highly albumin-bound compound
Yukina Fukuchi (Ono Pharmaceutical Co., Ltd.)

15:55-16:15 Coffee break

16:15-16:45 Transporter targeted proteomics: applications and limitations
Kimoto Emi (Pharmacokinetics, Dynamics and Metabolism, Pfizer Inc.)

16:45-17:15 Prediction of Kp,uu of organic anions in hepatocytes considering the effect of the membrane potential
Takashi Yoshikado (Sugiyama Laboratory, RIKEN Innovation Center)

17:15-17:45 Potential of computer based “Virtual Clinical Study”; physiologically-based pharmacokinetic modeling for CPT-11 and its metabolites as a model case
Kota Toshimoto (Sugiyama Laboratory, RIKEN Innovation Center)

17:45-18:15 Precise estimation of fm and Ki values for the prediction of CYP-mediated drug interactions by the use of Cluster Newton Method
Kazuya Maeda (The University of Tokyo)

18:15-18:30 Concluding remarks
Yuichi Sugiyama (Sugiyama Laboratory, RIKEN Innovation Center)

18:30-20:00 Banquet (Cafeteria at Yokohama RIKEN)