THE 11th SUGIYAMA LABORATORY (RIKEN) OPEN SYMPOSIUM

“Prediction of complex drug-drug interactions, pharmacogenomics and our attempts on virtual clinical studies”
複雑な薬物間相互作用、ファーマコゲノミクスの予測およびバーチャルクリニカルスタディの試み

Date: 10:00 - 16:45, February 23rd, 2018
Venue: RIKEN Yokohama Main Office Building Hall

10:00-10:10 Opening remarks
Yuichi Sugiyama (Sugiyama Laboratory, RIKEN Innovation Center)

Chair: Hiroyuki Kusuhara (The University of Tokyo)
10:10-11:00 【Plenary lecture】
Recent Advances in Drug Transporter and Enzymology Sciences to Enable Drug Design (40+10)
Tremaine, Larry M (Pfizer Inc.)

Chair: Yuichi Sugiyama (Sugiyama Laboratory, RIKEN Innovation Center)
11:00-11:35 Successes and challenges with small-molecule proteasome inhibitor drugs: Insights for their pharmacokinetics and strategies for moving forward (25+10)
Wooin Lee (Seoul National University / RIKEN)

11:35-11:50 Break (15)

Chair: Kazuya Maeda (The University of Tokyo)
11:50-12:25 Kinetic consideration of OATP contribution to drug disposition based on extended clearance concept: Insight to genetic and ethnic variability and drug-drug interaction (25+10)
Yoshiko Tomita (Sumitomo Dainippon Pharma Co., Ltd.)

12:25-13:35 Lunch Break (70)

Chair: Koji Chiba (Yokohama University of Pharmacy)
13:35-14:10 Comparative assessment of efficacy and safety of statins based on exposure-response relationship and approach to virtual clinical study. (25+10)
Yuki Iwaki (Janssen Pharmaceutical K.K.)

Chair: Yukio Kato (Kanazawa University)
14:10-14:45 Predicting complex DDIs related to CYP induction and OATP inhibition by PBPK model
of rifampicin with its own hepatic uptake and auto-induction (25+10)
Ryuta Asaumi (Ono Pharmaceutical Co., Ltd.)

Chair : Kenichi Inui (Kyoto University)
14:45-15:20 Application of PBPK modeling to renal OCT2 and MATEs mediated DDIs: Predicting changes in renal clearance and blood AUC caused by the transporter inhibitors (25+10)
Kotaro Nishiyama (Nippon Boehringer Ingelheim Co., Ltd.)

15:20-15:40 Coffee Break (20)

Chair : Seiji Miyauchi (Toho University)
15:40-16:15 Physiologically Based Pharmacokinetic Analysis of Nonlinear Pharmacokinetics of Taxanes (25+10)
Nora Lee (Daewoong Pharmaceutical Co., Ltd. / RIKEN)

Chair : Takashi Yoshikado (Yokohama University of Pharmacy)
16:15-16:45 General Discussion (30)
Yuichi Sugiyama (Sugiyama Laboratory, RIKEN Innovation Center)

--- Pay Attention !! ---
※Banquet will be held on the day before※
Date : Thursday, 22 February, 18:00 - 19:55
Venue : Cafeteria at Yokohama RIKEN
Banquet fee: ¥ 3,000 -