Influence of solution osmolality on intestinal drug absorption: Impact on beverage-drug interaction
Zhi Chen
Masanobu Sato
Improved pharmacokinetic behavior and reduced safety concerns on cyclosporine A with use of LXR/P Provincial technology.

Subject Title

Establishment of a CYP3A4-mediated drug-induced hepatotoxicity evaluation system using human iPS cells.
Takumi Kawanishi
Hongxin Sun

Establishment of evaluation system for metabolic toxicity under conditions of CYP1A2 induction using human iPS cell and genome editing technology.

Evita van de Steeg

Target-mediated drug disposition (TMDD) phenomenon of warfarin analyzed by PBPK modeling: Considerations for reliable estimation of target binding parameters.
Risa Sato
Saki Noguchi

Analysis of Bosentan’s Nonlinearity by PBPK Model Incorporating Target Binding and Impact of Low pH Environment.
Satoru Suzuki
Fatima Ahmetlic
Kota Toshimoto

Involvement of PXR and HNF4α in the down-regulation of CYP3A4 by an agonist of interferon alpha.

Matrine inhibits ABCB1 function and facilitates apoptotic activities in K562/ADR cells through NF-
factor-kappaB Suppression.

High and low affinity kinetics of OATP2B1 - Inhibitory potency and pH-dependency of inhibitors -

OCT2 is expressed in CSF side of the porcine blood-arachnoid barrier, while MATE1 is in blood side:

DDI/Systems Pharmacology
Yi Liu
Guoqiang Zhang

Synthesis and evaluation of novel diclofenac analogues to mitigate its metabolic activation via CYP2C9.

Yuta Funai

P-gp mediated drug interaction among pimozide, sertraline and aripiprazole in the gastrointestinal tract.

Takashi Yoshikado
Hiroki Morishita

Anti-epileptic drug metabolizing enzymes are upregulated at the blood-brain barrier in pharmacoresistant childhood epilepsy: SWATH-based comprehensive quantitative proteomic study.

Kenta Mizoi
Hiroki Kamioka

Absorption/DDS
Ryuta Asaumi
Takahiro Yamashiro
Ryo Sato
Toxicity
Ryuta Jomura
Yuji Fujita

The differences of AhR function between 2D cells and 3D spheroids in human lung cancer cells

Kentaro Konishi
Ji Eun Park

CYP2D6 genotyping and functional characterization of novel allelic variants in a Ni-Vanuatu and North Tohoku population.

Speaker
Bioimaging /Bioanalysis

GUT ON-A-CHIP: tissue based human intestinal barrier model for studying host microbe-immune interaction.

Pharmacokinetic study of traditional Japanese medicine (Kampo) using non-targeted LC-MS/MS technology.

A new approach to the PBPK model parameter analysis using the Cluster Gauss-Newton method: Application to the analysis of the nonlinear mechanism of simeprevir pharmacokinetics

Yoshiharu Hayashi
Wooin Lee

Suppressive effect of vandetanib on drug-induced epithelial-mesenchymal transition via inhibition of PI3K pathway.

Characterization of FUJIFILM human iPS cell-derived Small Intestinal Epithelial like Cell (F-hiSIEC™): Applications and possibilities as a pharmacokinetics prediction tool.

Ryo Sato
Kazuo Inoue
Yoshiyuki Shirasaka

Oral Presentation Program

Oral Presentation 1
December 10 (Tue) 9:30-10:42
Room D 1F 101
Takahiro Ito
Yoshikazu Shiraishi
Absorption/DOS

Oral Presentation 2
December 10 (Tue) 10:45-11:30
Room E 1F 102
Naoaki Ishiguro
Hiroshi Kusuhara
Transporter 1

Oral Presentation 3
December 10 (Tue) 10:49-11:33
Room D 1F 101
Takafumi Konomi
Kazuhito Totsuka
Absorption/MPS

Oral Presentation 4
December 10 (Tue) 10:45-11:46
Room E 1F 102
Kiyomi Ito
Yoshitaka Shiga
Transporter 2

Oral Presentation 5
December 10 (Tue) 13:30-14:30
Room D 1F 101
Miki Nakajima
Kunihiro Yoshisue
Drug Metabolism Enzymes

Oral Presentation 6
December 10 (Tue) 13:30-14:18
Room E 1F 102
Moriko Okudera
Fumiyoshi Yamashita
DD/Systems Pharmacology

Oral Presentation 7
December 10 (Tue) 14:49-15:33
Room D 1F 101
Nobuki Watabe
Koichi Yoshihara
Toxicity

Oral Presentation 8
December 10 (Tue) 14:49-15:45
Room E 1F 102
Ryohei Lee Kawai
Boku Yano
DD/Systems Pharmacology

Oral Presentation 9
December 11 (Wed) 9:30-10:18
Room D 1F 101
Ken Umebara
Kento Makawa
Bioimaging /Bioanalysis

Oral Presentation 10
December 11 (Wed) 10:45-11:46
Room D 1F 101
Akiko Ishii-Watabe
Takanori Takus Oghara
Transporter 3