

Poster Presentation

Presentation(Odd number):November 8 (Tue.) 17:45-18:45

Presentation(Even number):November 10 (Thu.) 15:45-16:45

Set Up:November 8 (Tue) 8:30-11:00/Removal:November 10 (Thu.) 16:45-17:30

Poster Room 3F 303+304

Poster Number	Category	Speaker	Subject Title
P-001	Absorption	Kozo Tagawa	Development of Dissolution Evaluation System for Drug Absorption (III): Additional Oral Administration Module of In Vitro 3D Gastric Emptying Model for Orally Disintegrating Tablet
P-002		Hidetaka Kamimura	Selection of the candidate compound at an early stage of new drug development: retrospective pharmacokinetic and metabolic evaluations of valsartan, an ARB, using common marmosets
P-003		Kotaro Shirai	A new approach to culturing human iPS cell-derived small intestinal epithelial cells for pharmacokinetic studies
P-004		Teruhiko Watanabe	The generation of human iPS cell-derived intestinal epithelial cells using ad-MED Vitrigel 2 and ciKIC IEC MM for evaluating intestinal absorption
P-005		Takashi Kitaguchi	Prediction of human plasma concentrations of food-related compounds based on <i>in vitro</i> tests
P-006		Hisanao Kishimoto	The extracellular domain of MUC1 confers anticancer drug resistance and modulates drug permeability
P-007		Toru Iwaki	Preparation of solid dispersion with significantly improved oral absorption of curcumin
P-008		Yusuke Masuo	Characterization of small intestinal permeation and systemic absorption of dietary nucleic acids based on structural classification
P-009	Drug-Drug Interactions	Yuta Tamemoto	Potential drug interactions of DOACs with ritonavir boosted drugs including paxlovid, a new anti-COVID-19 drug
P-010		Motohiro Kato	Prediction of drug-drug interactions caused by renal transporter inhibition
P-011		Liyanage Manosika Buddhini Perera	P-gp-mediated drug-drug interaction promotes gastrointestinal absorption and myocardial accumulation of pimozide causing hERG channel inhibition
P-012		Masatoshi Masuda	Physiologically Based Pharmacokinetic Modeling of a Major Metabolite of Dextromethorphan, Dextrorphan Glucuronide
P-013		Satoshi Asano	Quantitative prediction of transporter-mediated drug-drug interactions using Mechanistic static pharmacokinetics (MSPK) model
P-014		Moe Hirayama	A new pathway of induction of drug-metabolizing enzymes via Nrf2 by sulforaphane
P-015		Ryosuke Watari	OATP1B inhibition potential of ensitrelvir fumaric acid, a novel oral SARS-CoV-2 3CL protease inhibitor: Evaluation using endogenous biomarker coproporphyrin-I
P-016		Kenta Mizoi	Development of system to evaluate drug-endogenous substrate interaction with bile acid, with direction for drug transport
P-017		Rika Ishikawa	<i>In vitro</i> drug-drug interaction potential of stapled alpha-helical peptide ATSP-7041
P-018		Hiroki Sunakawa	Analysis of drug-endogenous-substrate interaction on blood-brain barrier via P-glycoprotein
P-019		Misaki Kato	Disruption of Enteric Coating of Lansoprazole OD Tablets by Simultaneous Suspension with Citrate-Containing Preparations Attenuated the Absorption of Lansoprazole
P-020		Risa Funaki	Analysis on the applicability of a CYP inhibition prediction software ACD/Percepta to food safety assessment
P-021	Transporters	Daichi Onozato	Investigation of in vitro biliary excretion using the co-culture systems with rat freshly isolated hepatocytes and rCLiPs-derived BDs
P-022		Chie Makino	Evaluation of the disposition profiles of two oxadiazole ring-cleaved metabolites of DS-8500a, M1 and M13, by using the D-PREX sandwich-culture platform
P-023		Yasuto Kido	Species difference in brain penetration of P-gp and BCRP substrates among monkey, dog, and mouse
P-024		Kaori Morimoto	Development of a dextran-based cancer-specific drug delivery system with the potential to overcome multidrug resistance
P-025		Kazuyoshi Michiba	Investigation of the region-specific functional expression of transporters and induction of metabolic enzymes in human intestinal crypt-derived differentiated enterocytes
P-026		Asami Saito	Characterization of transporter function and expression in 3D-RPTEC as improved in vitro human proximal tubular cell system
P-027		Itsuki Yokoseki	Activation of FXR results in downregulation of human renal OAT1 and OAT3 expressions, attenuating tenofovir-induced kidney injury
P-028		Hiroataka Miyamoto	Comparison of pharmacokinetic variability of vancomycin and tedizolid during hypothermia
P-029		Masanori Nakakariya	Appropriate risk criteria of efflux ratio and permeability in MDR1-MDCK cells for BBB penetration and intestinal absorption in human at drug discovery stage

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Poster Number	Category	Speaker	Subject Title
P-030	Transporters	Arimi Fujita	Comparison of the impact of BCRP on the restriction of drug distribution between the placental barrier and blood-brain barrier in rodents
P-031		Johannes A. Sake	Generation of an organotypic human distal lung epithelial cell knockout model to study MRP1
P-032		Keisuke Orii	mRNA expression of Oatps in rat placenta and their uptake activities for irbesartan and olmesartan
P-033		Xieyi Zhang	Slug mediates MRP2 expression in non-small cell lung cancer cells
P-034		Moeno Kadoguchi	Characterization of aripiprazole uptake transporters in the blood-brain barrier model hCMEC/D3 cells by transporter-targeted siRNA screening
P-035		Shingo Ito	Diurnal changes in protein expression at the blood-brain barrier in mice
P-036		Tomoya Yasujima	Molecular mechanism involved in the animal species-dependent differences in the atenolol transport function of OCT2/SLC22A2
P-037		Eiichiro Teshima	Regulatory mechanism of renal MATE1 expression in hyperuricemia
P-038		Hiroki Endo	Altered P-gp and BCRP transport function in the blood-brain barrier of streptozotocin-induced diabetic rats
P-039		Hiroshi Arakawa	Comprehensive search for middle size drug transporters at the blood-brain barrier by transporter-targeted sgRNA library
P-040		Yoshinobu Nakamura	Role of N-glycosylation in the function and subcellular localization of prostaglandin transporter SLCO2A1
P-041		Kiyotaka Daikohara	Lipopolysaccharide-induced functional alteration of P-glycoprotein at the rat inner blood-retinal barrier
P-042		Hideyuki Motohashi	Uptake of bendamustine in the RPTEC/TERT1 human renal proximal tubular epithelial cell line
P-043		Ryuta Jomura	Creatine transport from the choroid plexus to the cerebrospinal fluid via MCT12
P-044		Kentaro Yano	Involvement of P-gp in Increased Drug Resistance of Follicular Lymphoma by Continuous Exposure to Therapeutic Agents
P-045	Drug Delivery System	Daisuke Inoue	Pharmacokinetic evaluation on effect of physicochemical property on drug delivery efficacy for estimating nose-to-brain drug delivery using brain region-specific analysis
P-046		Emika Murayama	Quantitative analysis of the effect of controlled-release formulation on the gastrointestinal absorption of CYP3A4 substrate drugs using PBPK absorption model
P-047		Amorim Cristina Nana Matsuo	Effect of time for incubation on interaction of Pt drugs with plasma proteins <i>in vitro</i>
P-048		Shin-ichi Akanuma	Transport of angiopep-2, an endothelial cell-penetrating peptide, across the inner blood-retinal barrier
P-049	Drug Metabolism Enzymes	Ryosuke Negoro	Development of intestinal and hepatic cell models stably expressing multiple drug-metabolizing enzymes using the PITCh system
P-050		Yasuhiro Uno	Characterization of tree shrew CYP2A13 in comparison with human, dog and pig CYP2As
P-051		Ryota Higuchi	Investigation of chiral inversion of sofpironium bromide (BBI-4000) for the treatment of primary axillary hyperhidrosis <i>in vivo</i> in rats and <i>in vitro</i> in human S9 fraction
P-052		Shotaro Uehara	Unique human 10N-glucuronidated metabolite formation from olanzapine in chimeric NOG-TKm30 mice transplanted with human hepatocytes
P-053		Maseri Okawa	Circadian regulation of drug-metabolizing enzyme CYP3A4 by 3' -untranslated regions in HepaRG
P-054		Yukiko Ueyama-Toba	Generation of functional hepatocytes from human liver organoids
P-055		Makiko Shimizu	Functional analysis for variants of flavin-containing monooxygenase 3 in an updated database of a Japanese cohort
P-056		Michika Murata	Generation and application of CES1-knockout Tet-Off-regulated CYP3A4-expressing Caco-2 cells
P-057		Norio Masuda	Optimization of culture conditions for human intestinal organoids maintaining CYP activities

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Poster Number	Category	Speaker	Subject Title
P-058	Drug Metabolism Enzymes	Shuji Takeuchi	Hepatic CYP3A4 expression is modulated by m ⁶ A modification
P-059		Chieri Fujino	Decreased expression of MRP2 changes gene expression and function of phase II drug-metabolizing enzymes <i>in vitro</i> and <i>in vivo</i>
P-060	Toxicity	Tomoyo Yoshimori	Association of cell cycle regulating factors with abemaciclib-induced epithelial-mesenchymal transition in A549 cells
P-061		Minori Saijo	Novel <i>in vivo</i> pathway of acetaminophen-induced liver damage in Th2-dominant mice
P-062		Sho Morioka	Development of hGH-normalized PXB-mice [®] for an evaluation of drug-induced fatty livers
P-063		Takeshi Susukida	Intracellular metabolism change affects the susceptibility to HLA-mediated idiosyncratic drug toxicity
P-064		Yasuhiro Masubuchi	Protection of mice against acetaminophen-induced liver injury by the Nrf2 activator oltipraz
P-065		Suguru Asaji	Mechanistic analysis of drug-induced gastrointestinal toxicity considering pharmacokinetic interinfluence between serotonin and gut microbiota dynamics
P-066		Shigeki Aoki	TARC/CCL17 expression is associated with CD8 ⁺ T cell recruitment in abacavir-induced skin hypersensitivity in HLA-transgenic mice
P-067		Yuu Miyauchi	Application of antioxidants in dihydropyrazine-induced oxidative stress
P-068		Tomoyuki Kawachi	Novel quantitative assessment of reactive metabolites by double trapping with [³ H]glutathione and [¹⁴ C]cyanide
P-069		Systems Pharmacology /Pharmacometrics	Takeshi Tajima
P-070	Mizuki Shiho		Prediction of muscarinic receptor occupancy in the human bladder and parotid gland from plasma and urinary concentrations of antimuscarinic agents used to treat overactive bladder
P-071	Kazutaka Sekiguchi		Development of systems biology model of spinal dorsal horn to understand the network associated with chronic pain
P-072	Ryuta Saito		Current practices for Quantitative Systems Pharmacology Model Assessment: An IQ Consortium Survey
P-073	Sayana Matsuda		Pharmacokinetic analysis of edoxaban in patients with early gastrointestinal cancers
P-074	Noriko Okudaira		Development of a Physiologically Based Pharmacokinetic (PBPK) Model to Predict Ceftazidime (CAZ) Disposition in Non-pregnant and Pregnant Caucasian and Japanese Subjects
P-075	Michi Kouno		Explorative study for dose limiting factor in acute kidney injury during SOX treatment by population pharmacokinetic approach
P-076	Gaku Akashita		Pharmacokinetic and pharmacodynamic interactions of levomepromazine with risperidone or quetiapine in rats
P-077	Moe Taraki		Alternative proposal of dose reduction method of capecitabine for cancer patients with pre-existing chronic kidney disease
P-078	Pharmacogenetics/ Biomarkers		Yu Sato
P-079		Katsunobu Utsumi	Exploration of endogenous substrates and metabolites of aldehyde oxidase involved in fatty liver development
P-080		Ayano Oishi	Estimation of pharmacokinetic parameter alternation for capecitabine and its metabolites in colorectal cancer patients with <i>ABCC4</i> genetic polymorphism
P-081		Masayo Hashimoto	Multiplatform metabolomic analysis of the R6/2 mouse model of Huntington's disease
P-082		Shin-ichi Matsumoto	Highly-sensitive simultaneous quantitation of glucosylsphingosine and galactosylsphingosine in human cerebrospinal fluid by liquid chromatography-tandem mass spectrometry
P-083		Eiji Hishinuma	Wide-targeted metabolome analysis identifies potential biomarkers for prognosis prediction of epithelial ovarian cancer
P-084		Chisato Takahashi	Exploratory Study of Biomarkers associated with the Efficacy of TRPV2 Inhibitors for Muscular Dystrophic Myocardial Injury
P-085		Moe Mizumoto	Role of uracil and dihydrouracil plasma ratio as a fluoropyrimidine-related toxicity biomarker in FOLFIRINOX treatment to pancreatic cancer model rats
P-086		Yutaka Yasuda	Highly sensitive analysis of D and L-amino acids in biological samples using new derivatization reagents

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P-087	Microphysiological Systems (Organs on a Chip)	Jundai Kobayashi	Evaluation of permeability of chemical substances in placental syncytiotrophoblast layer for construction of an in vitro model focusing on the placental syncytiotrophoblast layer
P-088		mengyang wang	Perfluoropolyether elastomers as a material for microfluidic devices intended for drug metabolism studies
P-089		Seiya Ohki	Effects of cell passage number on the functional property of human immortalized cell-based blood-brain barrier models: a part of the qualification study
P-090		Tatsuya Inui	Development of intestinal organoids with functions of human iPS cell-derived enterocyte-like cells and their application to drug discovery research
P-091		Jumpei Yokota	Comparison of human intestinal organoid culture media for pharmacokinetic applications
P-092		Yusei Uraya	Cryopreservation of human iPS cell-derived intestinal organoid and their direct application to an in vitro pharmacokinetic evaluation system
P-093		Jumpei Inui	Establishment of hepatocyte organoids from human iPS cell-derived hepatocytes and development of their two-dimensional culture method
P-094		Koji Hashida	Evaluation of a novel medium useful for hepatocyte studies
P-095		Hiroyuki Sato	Generation and functional assessment of iPS cells-derived blood-brain barrier model
P-096		Ryo Onodera	Regulation pathway of hypoxia inducible VEGF expression in 3D spheroids of human lung cancer cells is different from that in 2D cells
P-097	Regulation	Ryoya Naruse	The data survey of non-clinical pharmacokinetics studies on ophthalmic drugs development: Absorption studies by ocular instillation
P-098		Keiko Maekawa	Development of deuterated drugs and future perspective
P-099		Shinya Hosaka	Questionnaire survey on evaluation of chiral conversion and other points during development of a single-enantiomer
P-100	AI/ Bioinformatics/ Oramics	Hiroaki Iwata	Improved prediction performance of total drug clearance and volume of distribution by interpolating various non-clinical data
P-101		Tamana Enami	Development of classification machine learning model for inhibition activity of CYP3A4 using image recognition for chemical structure of substances
P-102		Tomoko Suzaki	Arterio-venous metabolomics for identification of biomarkers representing organ function in rodents
P-103		Tadahaya Mizuno	Investigation of usefulness of continuous and fixed length pathological profiles for understanding toxicity in vivo
P-104	Bioimaging/ Bioanalysis	Akiko Ishii-Watabe	ICH M10 guideline for Bioanalytical Method Validation and Study Sample Analysis
P-105		Masako Osawa	Establishment of PALSAR [®] method for quantification of human cells in mouse kidney
P-106		Hiroaki Shimada	Simultaneous quantification of eicosanoids produced in the liver S9 fractions
P-107		Seiya Ogata	In vivo biodistribution of fluorescently labeled trastuzumab in cell line-derived xenograft mouse model with tissue clearing
P-108		Watanabe Kenichi	Development of a reliable Quantitative Imaging Mass Spectrometry (IMS) method by an easy handling mimetic tissue model
P-109		Thanai Paxton	High Resolution Imaging Platform Incorporating MALDI and DESI
P-110		Toshiaki Iwata	Improving LC-MS/MS Bioanalytical Quantitation of Oligonucleotides Using High Performance Tandem Quadrupole Mass Spectrometer
P-111		New Modality	Kenta Haraya
P-112	Ayahisa Watanabe		Optimization of cyclic peptide property by chromatographic capacity factor on cell permeability of human iPS cells derived intestinal membrane and its prediction of oral absorption
P-113	Takahiro Suga		Prediction for human PK/PD of siRNA utilizing mouse RISC-loaded concentrations
P-114	Hiromi Okamoto		The hydrophobicity of the payload linker may affect the PK of Trastuzumab Deruxtecan (T-DXd)

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Poster Number	Category	Speaker	Subject Title
P-115	Others	Keishi Yamasaki	Structural basis of the change in the interaction between mycophenolic acid and subdomain IIA of human serum albumin during renal failure
P-116		Masaki Otagiri	Effects of Myristate on the Induced Circular Dichroism Spectra of Aripiprazole Bound to Human Serum Albumin: A structural-chemical investigation
P-117		Nozomu Kato	Does the pharmacokinetic profile of Axcelead DDP-generated Col4a5 R471X-chronic kidney disease model (AXCC) mice reflect human renal disease?
P-118		Kei Mayumi	Robust bottom-up physiologically-based pharmacokinetic approach using a novel experimental and theoretical method for estimating albumin-mediated hepatic uptake
P-119		Toshihide Takeshita	Examination about affinity for plasma lipoproteins for pharmacokinetic prediction of nonionic surfactants
P-120		Saki Ohno	Development of a pharmacokinetic prediction scheme for hepatic uptake transporter substrates using a bottom-up physiologically based pharmacokinetic approach considering the albumin-mediated uptake
P-121		Toshimichi Nakamura	New mathematical solution for calculating <i>in vivo</i> biliary clearance applying the extended clearance concept
P-122		Yuki Matsumura	Accurate kinetic analysis in antigen-antibody reaction with slow dissociation rate using SPR
P-123		Ning Ding	Utility of common marmoset for the prediction of human pharmacokinetic profiles after intravenous drug administration
P-124		keita saitoh	Drug discovery support using microdialysis and cerebrospinal fluid collection methods
P-125		Haruno Oku	Evaluation of the Effects of Streptozotocin-induced Diabetes Mellitus on the Brain Distribution of Tacrolimus in Rats
P-126		Karataeva N	Relative activity factor scaling in UGT phenotyping studies using isoform specific model reactions
P-127		Reiko Watanabe	Prediction of the contribution ratio of a target metabolic enzyme to clearance from chemical structure information
P-128		Daisuke Sasaki	Tumor targeting of corn-derived nanoparticles with anticancer activity by polyethylene glycol modification