

Poster Number	Category	Presenter	Title
1P-01	Absorption	Kaori Miyazaki	Regional distribution of mucin molecules in rat small intestine
1P-02		Kanako Kimata	Development of a simple evaluation method for measuring the membrane permeability of micellized drugs.
1P-03		Kazuki Ichijo	Quantitative Analysis of Gastrointestinal Water Absorption and Secretion to Estimate Luminal Water Dynamics
1P-04		Teruki Hamada	Microminipig: a suitable animal model to estimate intestinal absorption of sustained-release formulation drug products in humans
1P-05		Ryotaro Senoo	Development of Simplified Prediction System for Oral Drug Absorbability Based on GITA model
1P-06		Naomi Tamura	The mechanism of oral absorption improvement by the nanocrystal formulation of low solubility compounds - Consideration from <i>in vitro</i> dissolution-permeation study -
1P-07	Drug delivery	Kento Nishida	Systemic effects of long-acting albumin-thioredoxin fusion protein against distant organ injury following acute kidney injury
1P-08		Wakaba Matsumoto	Design of colon specific delivery system for mice by visualizing the gastrointestinal localization using <i>in vivo</i> imaging technology.
1P-09		Yukari Tanaka	Application of Imaging Mass Spectrometry to Drug Discovery Research
1P-10	Drug discovery	Takanori Mori	Use of drug metabolizing enzyme/transporter inhibitors to support target validation in drug discovery
1P-11		Ryo Ito	Establishment of the improved evaluation system of the equilibrium dialysis method for determining the unbound plasma fraction (f_u , p) of highly protein-bound compounds
1P-12		Kota Asahina	A Comparative Verification of Clearance Classification Systems Using a Common Dataset.
1P-13		Saki Yamauchi	Evaluation of species differences in major clearance pathways between humans and rats.
1P-14	Drug interaction	Motohiro Kato	Assessing the risk of CYP3A induction by the relative factor approach using human hepatocytes and hepatocyte cell lines
1P-15		Daisuke Satoh	Evaluation of In Vivo CYP3As Induction Using Novel CYP3A/PXR Humanized Mouse to Predict Intestinal First-pass Metabolism
1P-16		Shunichi Hiramatsu	Lansoprazole inhibits transport of cisplatin via human organic cation transporter 2 (hOCT2) in the kidney
1P-17		Masahiro Tokuno	The effect of massive transfusion of hemoglobin-encapsulated liposome, Hemoglobin-vesicles, on drug disposition of hepatic cytochrome P450-metabolized drugs in normal rats
1P-18		Takeshi Sawada	Application of chimeric mice with humanized liver in the estimation of CYP3A contribution to metabolism of ONO-A and its active metabolite
1P-19	Phase I enzyme	Takuya Tsujiguchi	Species difference in substrate specificities of carboxylesterases and arylacetamide deacetylase between monkey and human
1P-20		Fumiya Kisui	Strain and sex differences in hepatic hydrolase activities of drugs in rat and mouse
1P-21		Ryosuke Nakano	Characterization of single nucleotide polymorphisms in <i>CYP2C9</i> that affect metabolism of steroid hormones
1P-22		Akira Ogasawara	CYP1A2 Messenger RNA is More Reliable Marker than CYP1A2 Activity, Phenacetin O-Deethylation, for Assessment of Induction Potential of Drug-Metabolizing Enzymes Using HepaRG Cells
1P-23		Yasuhiro Yamada	New screening criteria setting on evaluation of cytochrome P450 induction using HepaRG cells with multiplex branched DNA technologies in early drug discovery
1P-24		Toshiro Niwa	Effect of genetic polymorphism on the inhibition of CYP2D6-mediated dopamine formation from <i>p</i> -tyramine by steroid hormones and typical CYP2D inhibitors
1P-25		Shoyo Abe	Different signal patterns of CYP3A4 protein in human liver cancer cells between 2D and 3D culture
1P-26		Satoshi Koyama	Evaluation of Metabolic Potential of Human Primary Hepatocytes on NanoCulture Plate System
1P-27		Keiko Maekawa	Orphan P450 expression and oxidative fatty acid metabolite levels in breast cancer tissues
1P-28		Chieri Fujino	A comparison between cytochrome P450 expression in mouse liver and small intestine during liver regeneration after partial hepatectomy
1P-29		Kayoko Ohura	Expression of carboxylesterase 2 isozymes in cynomolgus monkey intestine and their hydrolytic properties
1P-30	Others	Keishi Yamasaki	Species Differences in the Binding of Sodium 4-Phenylbutyrate to Serum Albumin
1P-31		Keisuke Oda	Uptake mechanism of mizoribine in L5178Y-R mouse lymphoma cells <i>in vitro</i> and fate of mizoribine and mizoribine-5'-monophosphate in rat blood mononuclear cells (PBMCs) <i>in vivo</i>
1P-32		Yuki Honda	DMS approach for high sensitivity and selectivity of cyclic peptide
1P-33		Zhi Chen	Matrine suppresses multi-drug resistance mediated by P-glycoprotein in human leukemia K562 cells
1P-34		Shogo Kawano	Simultaneous determination of gemcitabine metabolites produced by deoxycytidine kinase and cytidine deaminase using a reversed-phase HPLC-UV method

Poster Number	Category	Presenter	Title	
1P-35	Pharmacokinetics	Etsuko Suzuki	Increasing Throughput for the Analysis of Human Insulin and 5 Biotherapeutic Analogs using Microflow LC-MS/MS	
1P-36		Thanai Paxton	DESI MS Imaging of Xenobiotic Drugs and Metabolites for Pharmaceutical Development	
1P-37		Masatomo Goto	Pharmacokinetics of diisononyl phthalate (DINP) in humanized liver mice	
1P-38		Makiko Shimizu	Human clearance of monoisononyl phthalates extrapolated from pharmacokinetics in humanized liver mice administered with diisononyl phthalate and pharmacokinetic modeling	
1P-39		Hiroataka Miyamoto	Prediction for plasma concentration after repeated oral administration using estimated absorption rate constant from parameters described in package insert.	
1P-40		Ayako Tokunaga	Influence of the renal ischemia/reperfusion-induced acute kidney injury on the distribution of midazolam in rats	
1P-41		Tajji Miyake	Predicting human distribution volume based on rat Kp to avoid a weakness in tissue composition-based PBPK	
1P-42		Yuki Noguchi	Elimination mechanism of a monoclonal antibody from cerebrospinal fluid	
1P-43		Waki Takesada	Pharmacokinetics and toxicodynamics of oxaliplatin-induced peripheral neuropathy in colorectal cancer model rats	
1P-44		Yosuke Katsuyama	Pharmacokinetic-pharmacodynamic modeling of oxaliplatin for hematological toxicity in rats	
1P-45		Motoi Tsuda	Pharmacokinetic-pharmacodynamic (PK-PD) modeling and simulation of UFT on multiple dosing in colorectal cancer rats	
1P-46		Akari Maeda	Pharmacokinetic analysis of intravenous administered fentanyl in adjuvant induced arthritis rat	
1P-47		Kazuaki Ozawa	Effect of soluble dietary fiber on decreased digoxin blood concentration in patients with long term semi-digested nutrition.	
1P-48		Takeshi Sakata	Characterization of the specific interaction between BCRP (ABCG2/MXR) transporter and tolcapone	
1P-49		László Szilágyi	Evaluation of Dabigatran etexilate as a potential new in vitro P-gp substrate	
1P-50		Toshiyuki Takanohashi	Prediction of human pharmacokinetic profile in non-clinical development stage –Method of predicting human bioavailability from animal data and accuracy verification–	
1P-51		Regulation	Yutaka Yasuda	Application of Scientific Validation Theory to Drug Metabolism and Pharmacokinetic Studies in vitro
1P-52			Yasuyuki Miyazaki	Transcriptional regulation of <i>CYP3A4</i> by SREBP-2
1P-53			Satoshi Tsuruta	PPAR γ is a novel regulator of <i>CYP3A4</i> induction in human intestine-derived LS180 cells
1P-54			Masanori Senshu	Potential of human miR-361-5p as a master regulator of oxidative stress
1P-55	Saya Kishimoto		Effects of A-to-I RNA Editing on the Expression and Function of Human Cytochrome b5	
1P-56	Toxicity	Binbin Song	Development of an animal model of abacavir induced HLA-mediated liver injury	
1P-57		Tomoyuki Sato	Troglitazone-induced hepatocyte toxicity mediated by mitochondrial permeability transition	
1P-58		Akinori Takemura	Involvement of mitochondrial disorder on benzbromarone-induced liver injury	
1P-59		Yasuhiro Masubuchi	Possible mechanisms for less hepatotoxicity of meta-isomer of acetaminophen in mice	
1P-60		Keigo Konishi	<i>In vitro</i> approach to elucidate the relevance of CES2 and NAT2 to flupirtine-induced liver injury	
1P-61		Hirofumi Jono	Adverse effect of long-term administration of low dose methotrexate on kidney function	
1P-62		Mika Ishikawa	Kinetics studies of metabolism of 4' - <i>O</i> -Methylpyridoxine (MPN) in liver microsomes and cytosol of rats and mice	
1P-63		Masayoshi Mizuochi	Application of micro blood sampling (MBS) method using mice for drug concentration measurements	
1P-64	Transporter	Ikumi Washio	Impact of BCRP on <i>in vitro</i> efficacy of anticancer drugs in cancer cell lines	
1P-65		Hiroki Takashima	Regulation of PGE ₂ trans-cellular transport across the type-1 alveolar epithelial cells by the prostaglandin transporter (<i>OATP2A1/SLCO2A1</i>)	
1P-66		Kyosuke Shinoda	Identification of endogenous BCRP substrate by metabolomics using gene knockout mice and transporter expressing system	
1P-67		Natsumi Seba	Characterization of OATP1B1 inhibition by indole metabolites	
1P-68		Aya Hasan	Involvement of ABC drug transporters in disposition of tyrosine kinase inhibitor regorafenib and its active metabolites after repeated oral dose	
1P-69		Tomohiro Nabekura	Effects of phenylpropanoids on function and expression of human P-glycoprotein	
1P-70		Tatsuya Kawasaki	Effects of natural secondary metabolites on drug transporter OATP2B1	
1P-71		Yu Takahashi	Transport of pregabalin and gabapentin by neutral amino acid transporters	
1P-72		Shin-ichi Akanuma	Interaction of central nervous system-acting drugs with <i>in vitro</i> nicotine transport at the blood-brain barrier	
1P-73		Akito Takahashi	Comparison of two hepatic uptake assay methods, plated and oil layer method, using human and preclinical species cryopreserved hepatocytes.	
1P-74		Maki Miyamoto	Prediction of human pharmacokinetics parameters using chimeric mice with humanized liver (II)	

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2P-01	Absorption	Shimeng Qiu	Functional polymer promotes the differentiation of human induced pluripotent stem cells into enterocytes
2P-02		Daichi Onozato	Generation of human iPS cell-derived intestinal organoids with pharmacokinetic functions
2P-03		Isamu Osawa	An efficient three-dimensional culture for generating human iPS cell-derived intestinal organoids
2P-04		Shota Mizuno	Establishment of a culture method for maintaining human iPS cell-derived intestinal stem cells
2P-05		Yuichi Ichimura	Plasma Concentrations of Indoxyl Sulfate in the Normal Rat after Repeated Oral Administration of Indole or Tryptophan
2P-06		Kaori Morimoto	Differences in intestinal transport mechanisms of DPP-4 inhibitors, alogliptin and sitagliptin
2P-08	Drug discovery	Tomomi Tsuyama	Simple PK/PD analytical method using Moment analysis in drug discovery stage
2P-09		Noriyasu Sano	Development of sampling method for cerebrospinal fluid in mice and effect of sampling method on drug concentration in cerebrospinal fluid
2P-10	Drug interaction	Akiko Matsubara	Establishment of a mouse model of rhabdomyolysis by combined use of ciprofloxacin and atorvastatin
2P-11		Verawan Uchaipichat	The in vitro inhibitory effect of commonly used non-steroidal anti-inflammatory drugs on human liver microsomal morphine glucuronidation
2P-12		Yan-fang Wu	Enalapril increases the urinary excretion of metformin via inducing multidrug and toxin extrusion protein 1 in kidney of rat
2P-13		Chen-Hsi Chou	Interactions of lurasidone with herbal medicine and food in rats
2P-14	Excretion	Junya Nagai	Effects of endocytosis inhibitors on doxorubicin accumulation in the presence of albumin in HK-2 human renal proximal tubular epithelial cell line
2P-15		Ryutaro Matsui	Functional characteristics of a renal H ⁺ /lipophilic cation antiport system in porcine LLC-PK ₁ cells and rats
2P-16		Natsumi Matsuoka	Kidney Slices as a Tool for Evaluation of Apical Uptake Transporters
2P-17	Phase I enzyme	Waranya Chatuphonprasert	Alteration of cytochrome P450 and transporters expression by <i>Plumbago indica</i> Linn. and plumbagin in the human choriocarcinoma Bewo cells
2P-18		Kanokwan Jarukamjorn	<i>Plumbago indica</i> and its active constituent plumbagin modulate cytochrome P450 mRNA expression in HepG2 cells
2P-19		Soo Jin Oh	Regulation of hepatic cytochrome P450 in Zucker diabetic fatty rats
2P-20		Sho Nishinoaki	Evaluation of interspecies metabolic activities for Non-CYP enzymes and into a suitable incubation condition for human
2P-21		Jo Hatogai	Identification and embryonic pharmacokinetics of the CYP3A species involved in midazolam metabolism
2P-22		Kazumi Sugihara	Strain and sex differences of aldehyde oxidase isozymes in mouse liver
2P-23		Sachiko Sakai	Species differences of mouse, cynomolgus monkey and human carboxylesterase using atorvastatin esters with various steric and electronic properties
2P-24		Yuuka Masuyama	Construction of whole cell-dependent reaction system of human flavin-containing monooxygenases (hFMOs) using budding yeast
2P-25	Phase II enzyme	Shinichi Ikushiro	Construction of expression system of cynomolgus macaque UDP-glucuronosyltransferase 1A isoforms using budding yeast
2P-26		Norie Murayama	UDP-glucuronosyltransferase (UGT) activities in cynomolgus monkey livers
2P-27		Yasuhiro Uno	Identification and characterization of UDP-glucuronosyltransferase 2 transcripts in cynomolgus macaque
2P-28		Yuki Asai	Effect of Status Epilepticus on Expression of Brain Ugt1a in Rats
2P-29		Ryohei Yamashita	Comprehensive characterization of mouse hepatic UDP-glucuronosyltransferases: major participation of Ugt1a1 in SN-38 glucuronidation
2P-30	Others	Hiroki Akamine	Efficient direct conversion of human fibroblasts into hepatocyte-like cells by ATF5, PROX1, FOXA2, FOXA3, and HNF4A transduction
2P-31		Ryosuke Negoro	Generation of “small intestinal, but not colonial” enterocyte-like cells from human induced pluripotent stem cells
2P-32		Kazuko Nishimura	Development and characterization of the detection method of anti-drug antibodies against biopharmaceuticals used to treat rheumatoid arthritis
2P-33		Kosuke Saito	Ethnic differences of the serum lipidomics
2P-34		Chihiro Yamasaki	Effect of cell density on morphology and gene expression in cultured fresh human hepatocytes (PXB-cells) from chimeric mice with humanized livers (PXB-mice)

Poster Number	Category	Presenter	Title
2P-35	Pharmacogenetics	Yutaro Motoi	Cytochrome P450 2D6 and Sulfotransferase 1A1 gene copy number variation (CNV) detection using a digital PCR
2P-36		Kenichiro Ogura	Gene analysis and enzyme activity of biological samples from a patient suspected of dihydropyrimidine dehydrogenase deficiency
2P-37		Masaki Kumondai	Functional characterization of 9 CYP2A13 allelic variants by assessment of nicotine C-oxidation and coumarin 7-hydroxylation activities
2P-38		Asuka Nemoto	How many subjects are necessary in population pharmacokinetics experiment? A Bayesian approach incorporating historical knowledge
2P-39		Nontaya Nakkam	Association between <i>HLA-B</i> and <i>CYP2C19</i> genetic polymorphisms and severe cutaneous adverse drug reactions associated with phenobarbital
2P-40	Pharmacokinetics	Ai Kijima	Establishment of PK/PD relationship of oxaliplatin using semi-mechanistic approach and preliminary investigation on PD similarity between animal and humans
2P-41		Satonori Higuchi	Selection criteria of allometric scaling methods for precise prediction of human clearance
2P-42		Yukiko Nakazono	A New Automated Solution for Targeted and Untargeted Metabolite Identification in Drug Discovery
2P-43		Ryutaro Hattori	Evaluation of Usefulness of Population Pharmacokinetic Analysis Considering Interindividual Variability of Bioavailability (2)
2P-44		Koichi Handa	Development of 2D-QSAR model for Kp value with high accuracy using machine learning method with minimum required experimental values and physicochemical descriptors
2P-45		Sho Kawatsu	Prediction System of Oral Absorption Behavior of Drugs Based on GITA Model by Incorporating Intestinal and Hepatic First-Pass Metabolism
2P-46		Maiko Jikou	Development of Pharmacokinetics Evaluation System for Effective Formulation Design (VIII): Physiological Parameter Sensitivity Analysis of OD Tablets using GastroPlus™
2P-47		Koichi Omura	Human mass balance study of novel uricosuric agent FYU-981 using accelerator mass spectrometry
2P-48		Junko Iwano	Minimal effect of soluble form of CEA on the disposition of membrane-bound form selective anti-CEA antibody, and its clinical relevance.
2P-49		Mai Hashimoto	The pharmacokinetic properties of novel nucleic acid analog drugs developed for the treatment of hepatic B virus
2P-50		Ren Okada	Physiologically-Based Absorption Model Incorporating Gastrointestinal Fluid Dynamics and Its Effects on Nonlinear Drug Absorption
2P-51		Tomohiro Terada	Association of toxicities and clinical outcomes with the pharmacokinetics of sorafenib in patients with hepatocellular carcinoma
2P-52		Minaka Shibuya	Absorption and gut metabolism of Z-505, an orally active ghrelin agonist, in rats
2P-53		Wataru Ochiai	Transfer and accumulation of cannabidiol from mother to embryo
2P-54		Takashi Matsumoto	Research of plasma pharmacokinetics and extraction of baicalin
2P-55		Yoshiki Asakawa	Rapid and effective protein and peptide purification for LC-MS/MS quantification of denosumab in rat serum by column-switching LC-MS/MS
2P-56		Kentaro Konishi	Identification of UGT isoform responsible for the glucuronidation of mirabegron and PBPK model construction
2P-57		Toxicity	Michael Hall
2P-58	Yasuhiro Yamato		Exposure-based comparisons of developmental toxicity signals between alternative assays & in vivo with PF-04449913, a Smoothed inhibitor
2P-59	Natsuko Honda		Effect of folic acid and tetrahydrofolic acid on MTX-induced epithelial-mesenchymal transition in A549 cells
2P-60	Risako Harada		Association of cell cycle arrest with drug-induced epithelial-mesenchymal transition in A549 cells
2P-61	Yuka Tamura		Evaluation study of drug-induced phospholipidosis and cholestasis in chimeric mice with humanized liver by using imaging mass spectrometry
2P-62	Yuya Urano		Hepatic transcriptome analysis of the pathogenetic mechanism of fasiglifam (TAK-875)-induced liver injury in mice
2P-63	Takumi Akagawa		Generation of evaluation system of anti-cancer drug-induced intestinal disorders with human induced pluripotent stem (iPS) cell-derived intestinal organoids
2P-64	Transporter	Hiromasa Aoki	Generation of endothelial progenitor cells and brain microvascular endothelial cells from human iPSCs.
2P-65		Misaki Yamashita	Compounds Y improve the barrier function of brain microvascular endothelial cells derived from human iPSCs
2P-66		Hiroshi Tomiyoshi	<i>ABCB1</i> genetic polymorphism influences the efflux function of P-glycoprotein
2P-67		Yutaro Shinoda	Functional characterization of a carrier-mediated polyamine transport system in differentiated THP-1 cells
2P-68		Tomoki Takechi	Inter-individual differences in the expression of ABC and SLC family transporters in human skin: DNA methylations regulate transcriptional activity of the human <i>ABCC3</i> (MRP3) gene
2P-69		Hidetaka Kamei	Transport mechanism of nicotine in various types of human-derived cell lines
2P-70		Shin-ya Morita	Enhancement of ABCB4-mediated phospholipid efflux by bile salts
2P-71		Yingting Duan	Altered bile acids-mediated lipids metabolic disorder in different period diet-induced obesity involved in the regulation of relevant transporter and enzyme systems in rats
2P-72		Tatsuki Mochizuki	Characterization of a novel drug influx transporter on the blood-brain barrier
2P-73		Takuya Ito	Functional analysis of lysosomal SLC2A6 as an orphan transporter