

2011 年度 DMPK 三賞決定

日本薬物動態学会
会 長 乾 賢一
編集委員長 玉井郁巳

2011 年度 DMPK 三賞が決定しましたのでお知らせします。最優秀論文賞およびベストサイテーション賞の第一位の論文（総説、原著論文）について、第 26 回年会時に授賞式を行います。

1. 編集委員が選ぶ最優秀論文賞

(DMPK Editors' Award for the Most Excellent Article in 2010)

【1st Place】

著者, 所属: Tomoko SUGIURA¹⁾, Toru OTAKE¹⁾, Takuya SHIMIZU¹⁾, Tomohiko WAKAYAMA²⁾, David L. SILVER³⁾, Rie UTSUMI¹⁾, Tomohiro NISHIMURA¹⁾, Shoichi ISEKI²⁾, Noritaka NAKAMICHI¹⁾, Yoshiyuki KUBO¹⁾, Akira TSUJI¹⁾ and Yukio KATO¹⁾

(1) Faculty of Pharmacy, Institute of Medical, Pharmaceutical and Health Sciences, Graduate School of Medical Science, Kanazawa University,²⁾ Department of Histology and Embryology, Graduate School of Medical Science, Kanazawa University,³⁾ Department of Biochemistry, Albert Einstein College of Medicine)

論文題目: PDZK1 Regulates Organic Anion Transporting Polypeptide Oatp1a in Mouse Small Intestine. *Drug Metabolism and Pharmacokinetics* 25(6), 588-598 (2010)

【2nd Place】

著者, 所属: Arief NURROCHMAD¹⁾, Yuji ISHII¹⁾, Hitomi NAKANOH¹⁾, Tae INOUE³⁾, Toru HORIE³⁾, Kazumi SUGIHARA⁴⁾, Shigeru OHTA⁴⁾, Akinobu TAKETOMI²⁾, Yoshihiko MAEHARA²⁾ and Hideyuki YAMADA¹⁾

(1) Laboratory of Molecular Life Sciences, Graduate School of Pharmaceutical Sciences, Kyushu University,²⁾ Department of Surgery and Science, Graduate School of Medical Sciences, Kyushu University,³⁾ PhoenixBio. Co., Ltd. ,⁴⁾ Graduate School of Biomedical Sciences, Hiroshima University)

論文題目: Activation of Morphine Glucuronidation by Fatty Acyl-CoAs and Its Plasticity: A Comparative Study in Humans and Rodents Including Chimeric Mice Carrying Human Liver. *Drug Metabolism and Pharmacokinetics* 25(3),262-273 (2010)

【3rd Place】

著者, 所属: Wataru SATO¹⁾, Hiroyuki SUZUKI¹⁾, Takamitsu SASAKI¹⁾, Takeshi KUMAGAI¹⁾, Shuhei SAKAGUCHI¹⁾, Michinao MIZUGAKI²⁾, Shinichi MIYAIRI³⁾, Yasushi YAMAZOE⁴⁾ and Kiyoshi NAGATA¹⁾

(1) Department of Environmental and Health Science, Tohoku Pharmaceutical University,²⁾ Department of Clinical Pharmaceutics, Tohoku Pharmaceutical University,³⁾ Laboratory of Bio-organic Chemistry, College of Pharmacy, Nihon University,⁴⁾ Division of Drug Metabolism and Molecular Toxicology, Graduate School

of Pharmaceutical Sciences, Tohoku University)

論文題目: Construction of a System that Simultaneously Evaluates CYP1A1 and CYP1A2 Induction in a Stable Human-derived Cell Line using a Dual Reporter Plasmid. *Drug Metabolism and Pharmacokinetics* 25(2), 180-189(2010)

2. ベストダウンロード論文賞

(DMPK Award for the Most Frequently Downloaded Article in 2009)

1) Review Article

【1st Place】

著者, 所属: Hiroyuki KUSUHARA and Yuichi SUGIYAMA

(Graduate School of Pharmaceutical Sciences, The University of Tokyo)

論文題目: In vitro-in vivo Extrapolation of Transporter-mediated Clearance in the Liver and Kidney. *Drug Metabolism and Pharmacokinetics* 24(1), 37-52(2009)

【2nd Place】

著者, 所属: Masoud JAMEI¹⁾, Gemma L DICKINSON²⁾ and Amin ROSTAMI-HODJEGAN¹⁾³⁾

(1) Simcyp Limited,²⁾ Eli Lilly,³⁾ Academic Unit of Clinical Pharmacology, University of Sheffield)

論文題目: A Framework for Assessing Inter-individual Variability in Pharmacokinetics Using Virtual Human Populations and Integrating General Knowledge of Physical Chemistry, Biology, Anatomy, Physiology and Genetics: A Tale of 'Bottom-Up' vs 'Top-Down' Recognition of Covariates. *Drug Metabolism and Pharmacokinetics* 24(1), 53-75(2009)

【3rd Place】

著者, 所属: Donald E. MAGER, Sukyung WOO and William J. JUSKO

(Department of Pharmaceutical Sciences, University at Buffalo, State University of New York)

論文題目: Scaling Pharmacodynamics from In Vitro and Preclinical Animal Studies to Humans. *Drug Metabolism and Pharmacokinetics* 24(1), 16-24(2009)

2) Original Article

【1st Place】

著者, 所属: Nobuo SEKIGUCHI¹⁾, Atsuko HIGASHIDA²⁾, Motohiro KATO¹⁾, Yoshiaki NABUCHI¹⁾, Tetsuya MITSUI¹⁾, Kenji TAKANASHI¹⁾, Yoshinori ASO¹⁾ and Masaki ISHIGAI¹⁾

(1) Pre-Clinical Research Department, Chugai Pharmaceutical Co., Ltd.,²⁾ Discovery Platform Technology Department, Chugai Pharmaceutical Co., Ltd.)

論文題目: Prediction of Drug-Drug Interactions based on Time-Dependent Inhibition from High Throughput Screening of Cytochrome P450 3A4 Inhibition. *Drug Metabolism and Pharmacokinetics* 24(6), 500-510(2009)

【2nd Place】

著者, 所属: Masuhiro NISHIMURA¹⁾, Satoshi SUZUKI²⁾, Tetsuo SATOH²⁾ and Shinsaku NAITO¹⁾

(¹⁾ Research and Development Center, Otsuka Pharmaceutical Factory, Inc.,²⁾ Non-Profit Organization Human & Animal Bridging Research Institute, Ichikawa General Hospital)

論文題目: Tissue-Specific mRNA Expression Profiles of Human Solute Carrier 35 Transporters. *Drug Metabolism and Pharmacokinetics* 24(1), 91-99(2009)

【3rd Place】

著者, 所属: Mikihisa TAKANO, Yoshifumi OTANI, Minoru TANDA, Masashi KAWAMI ¹⁾, Junya NAGAI and Ryoko YUMOTO

(Department of Pharmaceutics and Therapeutics, Graduate School of Biomedical Sciences, Hiroshima University)

論文題目: Paclitaxel-resistance Conferred by Altered Expression of Efflux and Influx Transporters for Paclitaxel in the Human Hepatoma Cell Line, HepG2. *Drug Metabolism and Pharmacokinetics* 24(5), 418-427(2009)

3. ベストサイテーション論文賞

(DMPK Award for the Most Frequently Cited Article in 2007)

1) Review Article

【1st Place】

著者, 所属: Shigeru KAWAKAMI and Mitsuru HASHIDA

(Department of Drug Delivery Research, Graduate School of Pharmaceutical Sciences, Kyoto University)

論文題目: Targeted Delivery Systems of Small Interfering RNA by Systemic Administration. *Drug Metabolism and Pharmacokinetics* 22(3), 142-151(2007)

【2nd Place】

著者, 所属: Kazuhide IWASAKI

(Department of Pharmacokinetics Dynamics Metabolism, Pfizer Global Research Development, Nagoya Laboratories, Pfizer Japan Inc.)

論文題目: Metabolism of Tacrolimus (FK506) and Recent Topics in Clinical Pharmacokinetics. *Drug Metabolism and Pharmacokinetics* 22(5), 328-335(2007)

【3rd Place】

著者, 所属: Kiyohiko SUGANO, Arimichi OKAZAKI, Shohei SUGIMOTO, Sumitra TAVORNVIPAS, Atsushi OMURA and Takashi MANO

(Global Research & Development, Nagoya Laboratories, Pharmaceutical R&D, Pfizer Inc.)

論文題目: Solubility and Dissolution Profile Assessment in Drug Discovery. *Drug Metabolism and*

2) Original Article

【1st Place】

著者, 所属 Masuhiro NISHIMURA¹⁾, Akiko KOEDA²⁾, Yasuyuki SUGANUMA²⁾, Emako SUZUKI²⁾, Takefumi SHIMIZU²⁾, Mitsuo NAKAYAMA¹⁾, Tetsuo SATOH²⁾³⁾, Shizuo NARIMATSU⁴⁾ and Shinsaku NAITO¹⁾

(1) Department of Drug Metabolism, Division of Pharmacology, Drug Safety and Metabolism, Otsuka Pharmaceutical Factory, Inc.,²⁾ Ina Research Inc.,³⁾ Non-Profit Organization Human & Animal Bridging Research Organization,⁴⁾ Laboratory of Health Chemistry, Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama University)

論文題目: Comparison of Inducibility of CYP1A and CYP3A mRNAs by Prototypical Inducers in Primary Cultures of Human, Cynomolgus Monkey, and Rat Hepatocytes. *Drug Metabolism and Pharmacokinetics* 22(3), 178-186(2007)

【2nd Place】

著者, 所属: Yoshiteru KAMIYAMA¹⁾²⁾, Tsutomu MATSUBARA¹⁾³⁾, Kouichi YOSHINARI¹⁾, Kiyoshi NAGATA¹⁾⁴⁾, Hidetaka KAMIMURA²⁾ and Yasushi YAMAZOE¹⁾³⁾

(1) Division of Drug Metabolism and Molecular Toxicology, Graduate School of Pharmaceutical Sciences, Tohoku University,²⁾ Drug Metabolism Research Laboratories, Drug Discovery Research, Astellas Pharma Inc.,³⁾ Tohoku University 21st Century, COE Program “Comprehensive Research and Education Center for Planning of Drug Development and Clinical Evaluation”,⁴⁾ Department of Environmental Health Science, Tohoku Pharmaceutical University)

論文題目: Role of Human Hepatocyte Nuclear Factor 4α in the Expression of Drug-Metabolizing Enzymes and Transporters in Human Hepatocytes Assessed by Use of Small Interfering RNA. *Drug Metabolism and Pharmacokinetics* 22(4), 287-298(2007)

【3rd Place】

著者, 所属: Koki KOJIMA, Kiyoshi NAGATA, Tsutomu MATSUBARA and Yasushi YAMAZOE

(Division of Drug Metabolism and Molecular Toxicology, Graduate School of Pharmaceutical Sciences, Tohoku University)

論文題目: Broad but Distinct Role of Pregnane X Receptor on the Expression of Individual Cytochrome P450s in Human Hepatocytes. *Drug Metabolism and Pharmacokinetics* 22(4), 276-286(2007)