

2010 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

2010 年度 DMPK 三賞が決定しましたのでお知らせします。各賞の第一位の論文(総説、原著論文)の全著者について、第 25 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 2009)

[1st Place]

著者, 所属: Ryoichi FUJIWARA¹⁾, Miki NAKAJIMA¹⁾, Tetsunori YAMAMOTO²⁾, Hidemi NAGAO²⁾ and Tsuyoshi YOKOI¹⁾

(¹⁾Drug Metabolism and Toxicology, Faculty of Pharmaceutical Sciences, Kanazawa University,²⁾School of Mathematics and Physics, College of Science and Engineering, Kanazawa University)

論文題目: In silico and in vitro Approaches to Elucidate the Thermal Stability of Human UDP-glucuronosyltransferase (UGT) 1A9. *Drug Metabolism and Pharmacokinetics* 24(3), 235-244 (2009)

[2nd Place]

著者, 所属: Yusuke TANIGAWARA¹⁾, Kazutaka YOSHIHARA²⁾, Kizuku KURAMOTO³⁾ and Kikuo ARAKAWA⁴⁾

(¹⁾ Department of Pharmacy, School of Medicine, Keio University,²⁾ Translational Medicine & Clinical Pharmacology Department, Daiichi Sankyo Company, Ltd.,³⁾ Tokyo Metropolitan Geriatric Hospital,⁴⁾ Fukuoka University)

論文題目: Comparative Pharmacodynamics of Olmesartan and Azelnidipine in Patients with Hypertension: a Population Pharmacokinetic/Pharmacodynamic Analysis. *Drug Metabolism and Pharmacokinetics* 24(4), 376-388 (2009)

[3rd 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)

2. ベストダウンロード論文賞 (DMPK Award for the Most Frequently Downloaded Article in 2008)

1) Review Article

[1st Place]

著者, 所属: Kazuya MAEDA and Yuichi SUGIYAMA

(Department of Molecular Pharmacokinetics, Graduate School of Pharmaceutical Sciences, The University of Tokyo)

論文題目: Impact of Genetic Polymorphisms of Transporters on the Pharmacokinetic, Pharmacodynamic and Toxicological Properties of Anionic Drugs. *Drug Metabolism and Pharmacokinetics* 23(4), 223-235 (2008)

[2nd Place]

著者, 所属: Yun-Ping LIM and Jin-ding HUANG

(Department of Pharmacology, Medical College, National Cheng Kung University)

論文題目: Interplay of Pregnane X receptor with Other Nuclear Receptors on Gene Regulation. *Drug Metabolism and Pharmacokinetics* 23(1), 14-21 (2008)

[3rd Place]

著者, 所属: Yoshihiro KONNO, Masahiko NEGISHI and Susumu KODAMA

(The Pharmacogenetics Section, Laboratory of Reproductive and Developmental Toxicology, National Institute of Environmental Health Sciences, National Institutes of Health)

論文題目: The Roles of Nuclear Receptors CAR and PXR in Hepatic Energy Metabolism. *Drug Metabolism and Pharmacokinetics* 23(1), 8-13(2008)

2) Original Article

[1st Place]

著者, 所属: Masuhiro NISHIMURA and Shinsaku NAITO

(Division of Pharmacology, Drug Safety and Metabolism, Otsuka Pharmaceutical Factory, Inc.)

論文題目: Tissue-specific mRNA Expression Profiles of Human Solute Carrier Transporter Superfamilies. *Drug Metabolism and Pharmacokinetics* 23(1), 22-44(2008)

[2nd Place]

著者, 所属: Katsunobu HAGIHARA¹⁾, Yumi NISHIYA¹⁾, Atsushi KURIHARA¹⁾, Miho KAZUI¹⁾, Nagy A. FARID²⁾ and Toshihiko IKEDA³⁾

¹⁾ Drug Metabolism & Pharmacokinetics Research Laboratories, Daiichi Sankyo Co., Ltd., ²⁾ Department of Drug Disposition, Lilly Research Labs, Eli Lilly and Company, ³⁾ Yokohama College of Pharmacy)

論文題目: Comparison of Human Cytochrome P450 Inhibition by the Thienopyridines Prasugrel, Clopidogrel, and Ticlopidine. *Drug Metabolism and Pharmacokinetics* 23(6), 412-420(2008)

[3rd Place]

著者, 所属: Kayoko MAEZAWA¹⁾, Kenji MIYAZATO¹⁾, Tamihide MATSUNAGA¹⁾, Yasuyuki MOMOSE¹⁾, Tetsuya IMAMURA²⁾, Kohei JOHKURA²⁾, Katsunori SASAKI²⁾ and Shigeru OHMORI¹⁾

¹⁾ Department of Pharmacy, Shinshu University Hospital, ²⁾ Department of Anatomy and Organ Technology, Shinshu University School of Medicine)

論文題目: Expression of Cytochrome P450 and Transcription Factors during In Vitro

Differentiation of Mouse Embryonic Stem Cells into Hepatocytes. *Drug Metabolism and Pharmacokinetics* 23(3), 287-298(2008)

**3. ベストサイテーション論文賞
(DMPK Award for the Most Frequently Cited Article in 2006)**

1) Review Article

[1st Place]

著者, 所属: Tsutomu SHIMADA

(Department of Chemical Biology, Osaka City University Medical School)

論文題目: Xenobiotic-Metabolizing Enzymes Involved in Activation and Detoxification of Carcinogenic Polycyclic Aromatic Hydrocarbons. *Drug Metabolism and Pharmacokinetics* 21(4), 257-276(2006)

[2nd Place]

著者, 所属: Toshiyuki MATSUNAGA, Shinichi SHINTANI and Akira HARA

(Laboratory of Biochemistry, Gifu Pharmaceutical University)

論文題目: Multiplicity of Mammalian Reductases for Xenobiotic Carbonyl Compounds. *Drug Metabolism and Pharmacokinetics* 21(1), 1-8(2006)

[3rd Place]

著者, 所属: Teruko IMAI

(Graduate School of Pharmaceutical Sciences, Kumamoto University)

論文題目: Human Carboxylesterase Isozymes: Catalytic Properties and Rational Drug Design. *Drug Metabolism and Pharmacokinetics* 21(3), 173-185(2006)

2) Original Article

[1st Place]

著者, 所属: Masuhiro NISHIMURA and Shinsaku NAITO

(Division of Pharmacology, Drug Safety and Metabolism, Otsuka Pharmaceutical Factory, Inc.)

論文題目: Tissue-Specific mRNA Expression Profiles of Human Phase I Metabolizing Enzymes Except for Cytochrome P450 and Phase II Metabolizing Enzymes. *Drug Metabolism and Pharmacokinetics* 21(5), 357-374(2006)

[2nd Place]

著者, 所属: Chiho KOMOTO¹⁾, Tsutomu NAKAMURA¹⁾, Toshiyuki SAKAEDA¹⁾²⁾, Deanna L. KROETZ³⁾⁴⁾, Toshio YAMADA²⁾, Hideaki OMATSU¹⁾, Tatsuya KOYAMA²⁾, Noboru OKAMURA⁵⁾, Ikuya MIKI⁶⁾, Takao TAMURA⁶⁾, Nobuo AOYAMA⁷⁾, Masato KASUGA⁶⁾ and Katsuhiko OKUMURA¹⁾²⁾⁵⁾

(¹⁾Department of Hospital Pharmacy, Kobe University,²⁾Division of Clinical Pharmacokinetics, Department of General Therapeutics, Kobe University Graduate School of Medicine,³⁾ Department of Biopharmaceutical Science, University of California San Francisco,⁴⁾ Program in Human Genetics, University of California San Francisco,⁵⁾ Department of Clinical Evaluation of Pharmacotherapy, Graduate School of Medicine, Kobe University,⁶⁾ Division of Diabetes, Digestive and Kidney Diseases, Department of Clinical

Molecular Medicine, Kobe University Graduate School of Medicine,⁷⁾ Endoscopy, School of Medicine, Kobe University)

論文題目: MDR1 Haplotype Frequencies in Japanese and Caucasian, and in Japanese Patients with Colorectal Cancer and Esophageal Cancer. *Drug Metabolism and Pharmacokinetics* 21(2), 126-132(2006)

[3rd Place]

著者,所属: Masuhiro NISHIMURA¹⁾, Akiko KOEDA²⁾, Emako SUZUKI²⁾, Yuichi KAWANO¹⁾, 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: Regulation of mRNA Expression of MDR1, MRP1, MRP2 and MRP3 by Prototypical Microsomal Enzyme Inducers in Primary Cultures of Human and Rat Hepatocytes. *Drug Metabolism and Pharmacokinetics* 21(4), 297-307(2006)