

2009 年度 DMPK 三賞決定

日本薬物動態学会
会 長 山添 康
編集委員長 千葉 寛

2009 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 24 回年会時に盾あるいは賞状の授賞式を行います。

1. 編集委員が選ぶ最優秀論文賞 (DMPK Editors' Award for the Most Excellent Article in 2008)

[1st Place]

著者, 所属: Masakiyo HOSOKAWA¹⁾, Tomomi FURIHATA²⁾, Yumiko YAGINUMA²⁾, Naoko YAMAMOTO²⁾, Natsuko WATANABE²⁾, Eiko TSUKADA²⁾, Yoshiko OHHATA²⁾, Kaoru KOBAYASHI²⁾, Testuo SATOH²⁾ and Kan CHIBA²⁾

(¹⁾Laboratory of Drug Metabolism and Biopharmaceutics, Faculty of Pharmaceutical Sciences, Chiba Institute of Sciences,²⁾ Laboratory of Pharmacology and Toxicology, Graduate School of Pharmaceutical Sciences, Chiba University)

論文題目: Structural Organization and Characterization of the Regulatory Element of the Human Carboxylesterase (*CES1A1* and *CES1A2*) genes. *Drug Metabolism and Pharmacokinetics* 23(1), 73-84 (2008)

[2nd Place]

著者, 所属: Norihiko IWAZAKI, Kaoru KOBAYASHI, Kaori MORIMOTO, Mai HIRANO, Sachiyo KAWASHIMA, Tomomi FURIHATA and Kan CHIBA

(Laboratory of Pharmacology and Toxicology, Graduate School of Pharmaceutical Sciences, Chiba University)

論文題目: Involvement of Hepatocyte Nuclear Factor 4alpha in Transcriptional Regulation of the Human Pregnane X Receptor Gene in the Human Liver. *Drug Metabolism and Pharmacokinetics* 23(1),59-66 (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), 188-195(2008)

2. ベストダウンロード論文賞

(DMPK Award for the Most Frequently Downloaded 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: Masahiro HAYASHI and Mikio TOMITA

(Department of Drug Absorption and Pharmacokinetics, School of Pharmacy, Tokyo University of Pharmacy and Life Sciences)

論文題目: Mechanistic Analysis for Drug Permeation Through Intestinal Membrane. *Drug Metabolism and Pharmacokinetics* 22(2), 67-77(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 Pharmacokinetics* 22(4), 225-254(2007)

2) Original Article

[1st Place]

著者, 所属: Masanori KUBO¹⁾, Toshiko KOUE¹⁾, Hiromi MAUNE¹⁾, Tsuyoshi FUKUDA²⁾ and Junichi AZUMA²⁾

(¹⁾ Department of Clinical Research and Development, Otsuka Pharmaceutical Co., Ltd., ²⁾ Clinical Pharmacology and Pharmacogenomics, Graduate School of Pharmaceutical Sciences, Osaka University)

論文題目: Pharmacokinetics of Aripiprazole, a New Antipsychotic, following Oral Dosing in Healthy Adult Japanese Volunteers: Influence of CYP2D6 Polymorphism. *Drug Metabolism and Pharmacokinetics* 22(5), 358-366(2007)

[2nd Place]

著者, 所属: Hiromi FUKUSHIMA-UESAKA¹⁾, Yoshiro SAITO¹⁾²⁾, Keiko MAEKAWA¹⁾²⁾, Naoyuki KAMATANI³⁾, Hiroshi KAJIO⁴⁾, Nobuaki KUZUYA⁴⁾, Mitsuhiko NODA⁴⁾, Kazuki YASUDA⁵⁾ and Jun-ichi SAWADA¹⁾²⁾

(¹⁾ Project Team for Pharmacogenetics, National Institute of Health Sciences, ²⁾ Division of Biochemistry and Immunochemistry, National Institute of Health Sciences, ³⁾ Division of Genomic Medicine, Department of Advanced Biomedical Engineering and Science, Tokyo Women's Medical University, ⁴⁾ Division of Endocrine and Metabolic Diseases, the Hospital, International Medical Center of Japan, ⁵⁾ Department of Metabolic Disorder, Research

Institute, International Medical Center of Japan)

論文題目: Genetic Variations and Haplotype Structures of Transcriptional Factor Nrf2 and Its Cytosolic Reservoir Protein Keap1 in Japanese. *Drug Metabolism and Pharmacokinetics* 22(3), 212-219(2007)

[3rd 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)

3. ベストサイテーション論文賞

(DMPK Award for the Most Frequently Cited Article in 2005)

1) Review Article

[1st Place]

著者, 所属: Toshiyuki SAKAEDA

(Department of Hospital Pharmacy, School of Medicine, Kobe University and Division of Clinical Pharmacokinetics, Department of General Therapeutics, Faculty of Medicine & Division of Biomedical Sciences, Kobe University Graduate School of Medicine)

論文題目: MDR1 Genotype-related Pharmacokinetics: Fact or Fiction? *Drug Metabolism and Pharmacokinetics* 20(6), 391-414(2005)

[2nd Place]

著者, 所属: Takahisa FURUTA¹⁾, Naohito SHIRAI²⁾, Mitsushige SUGIMOTO¹⁾, Akiko NAKAMURA¹⁾, Akira HISHIDA¹⁾ and Takashi ISHIZAKI³⁾

(¹⁾First Department of Medicine, Hamamatsu University School of Medicine,²⁾Department of Laboratory Medicine, Hamamatsu University School of Medicine,³⁾Department of Clinical Pharmacology and Pharmacy, School of Pharmaceutical Sciences, Teikyo-Heisei University)

論文題目: Influence of CYP2C19 Pharmacogenetic Polymorphism on Proton Pump Inhibitor-based Therapies. *Drug Metabolism and Pharmacokinetics* 20(3), 153-167(2005)

[3rd Place]

著者, 所属: Miki NAKAJIMA and Tsuyoshi YOKOI

(Drug Metabolism and Toxicology, Division of Pharmaceutical Sciences, Graduate School of Medical Science, Kanazawa University)

論文題目: Interindividual Variability in Nicotine Metabolism: C-Oxidation and Glucuronidation. *Drug Metabolism and Pharmacokinetics* 20(4), 227-235(2005)

2) Original Article

[1st Place](1)

著者, 所属: Naoko KIMURA, Satohiro MASUDA, Yuko TANIHARA, Harumasa UEO, Masahiro OKUDA, Toshiya KATSURA and Ken-ichi INUI

(Department of Pharmacy, Kyoto University Hospital, Faculty of Medicine, Kyoto University)

論文題目: Metformin is a Superior Substrate for Renal Organic Cation Transporter OCT2 rather than Hepatic OCT1. *Drug Metabolism and Pharmacokinetics* 20(5), 379-386(2005)

[1st Place](2)

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 ATP-binding Cassette and Solute Carrier Transporter Superfamilies. *Drug Metabolism and Pharmacokinetics* 20(6), 452-477(2005)

[3rd Place]

著者, 所属: Akiko MATSUI-SAKATA¹⁾, Hisakazu OHTANI²⁾ and Yasufumi SAWADA²⁾

(¹⁾Department of Medico-Pharmaceutical Sciences, Graduate School of Pharmaceutical Sciences, Kyushu University, ²⁾Laboratory of Drug Informatics, Graduate School of Pharmaceutical Sciences, The University of Tokyo)

論文題目: Receptor Occupancy-based Analysis of the Contributions of Various Receptors to Antipsychotics-induced Weight Gain and Diabetes Mellitus. *Drug Metabolism and Pharmacokinetics* 20(5), 368-378(2005)