SHORT COMMUNICATIONS

□ N-Isopropyl-p-iodoamphetamine Hydrochloride Is Predominantly Metabolized by CYP2C19. Ken-ichi Fujita, Minako Sugiyama, Yuka Akiyama, Kazuhiro Hioki, Munetaka Kunishima, Kodai Nishi, Masato Kobayashi, Keiichi Kawai, and Yasutsuna Sasaki... 843

□ An Investigation of the Catalytic Activity of CYP2A13*4 with Coumarin and Polymorphisms of CYP2A13 in a Chinese Han Population. Ting Liu, Yanjun Hong, Zhaohui Li, Junyan Hong, Su Zeng, Mingyu Zheng, and Shuqing Chen... 847


ARTICLES

□ The Impact of Single Nucleotide Polymorphisms on Human Aldehyde Oxidase. Tobias Hartmann, Mineko Terao, Enrico Garattini, Christian Teutloff, Joshua F. Alfaro, Jeffrey P. Jones, and Silke Leimkuhler... 856

Models to Predict Unbound Intracellular Drug Concentrations in the Presence of Transporters. Ken R. Korcekwa, Swati Nagar, Jalia Tucker, Erica A. Weiskircher, Siddhartha Bhoopathy, and Ismael J. Hidalgo... 865

Exploratory Translational Modeling Approach in Drug Development to Predict Human Brain Pharmacokinetics and Pharmacologically Relevant Clinical Doses. W. Kielsasa and R. E. Stratford, Jr... 877

□ CYP2C9 Promoter Variable Number Tandem Repeat Polymorphism Regulates mRNA Expression in Human Livers. Danxin Wang, Xiaochun Sun, Yan Gong, Brian E. Gawronski, Taimour Y. Langae, Mohamed Hossam A. Shahin, Sherief I. Khalifa, and Julie A. Johnson... 884

Using Expression Data for Quantification of Active Processes in Physiologically Based Pharmacoki-
Contents (cont’d.)

Xiao Ding, Gauri Deshmukh, Bianca M. Liederer, and Cornelis E. C. A. Hop ............... 963


Target-Mediated Pharmacokinetic and Pharmacodynamic Model of Exendin-4 in Rats, Monkeys, and Humans. Wei Gao and William J. Jusko ............... 990


Mechanistic Pharmacokinetic Modeling for the Prediction of Transporter-Mediated Disposition in Humans from Sandwich Culture Human Hepatocyte Data. Hannah M. Jones, Hugh A. Barton, Yurong Lai, Yi-an Bi, Emi Kimoto, Sarah Kempshall, Sonya C. Tate, Ayman El-Kattan, J. Brian Houston, Aleksandra Galetin, and Katherine S. Fenner ............... 1007

Stereoselective Interaction of Pantoprazole with ABCG2. I. Drug Accumulation in Rat Milk. Lipeng Wang and Patrick J. McNamara ............... 1018

Stereoselective Interaction of Pantoprazole with ABCG2. II. In Vitro Flux Analysis. Lipeng Wang, Markos Leggas, Philip E. Empey, and Patrick J. McNamara ............... 1024

p-Anilinoaniline Enhancement of Dioxin-Induced CYP1A1 Transcription and Aryl Hydrocarbon Receptor Occupancy of CYP1A1 Promoter: Role of the Cell Cycle. Althea Elliott, Aby Joiakim, Patricia A. Mathieu, Zofia Duniec-Dmuchowski, Thomas A. Kocarek, and John J. Reiners, Jr. ............... 1032


S Supplemental material is available online at http://dmd.aspetjournals.org.

About the cover: Model of the locations of the amino acid exchanges as a result of SNPs identified in the hAOX1 gene. See the article by Hartmann et al. on page 856 of this issue.