ARTICLES

Induction of Detoxifying Enzymes in Rodent White Adipose Tissue by Aryl Hydrocarbon Receptor Agonists and Antioxidants. Kouichi Yoshinari, Nao Okino, Takeshi Sato, Junko Sugatani, and Masao Miwa ........................................ 1081


Regulation of CYP1A1 Gene Expression by the Antioxidant tert-Butylhydroquinone. Thomas D. Schreiber, Christoph Köhle, Felicitas Buckler, Stefan Schmohl, Albert Braeuning, Alexander Schmiedchen, Michael Schwarz, and Peter A. Münzel ...................... 1096

Human UDP-Glucuronosyltransferase, UGT1A8, Glucuronidates Dihydrotestosterone to a Monoglucuronide and Further to a Structurally Novel Diglucuronide. Takahiro Murai, Naozumi Sama, Haruo Iwabuchi, and Toshihiko Ikeda .... 1102

Predominant Contribution of OATP1B3 to the Hepatic Uptake of Telmisartan, an Angiotensin II Receptor Antagonist, in Humans. Naoki Ishiguro, Kazuya Maeda, Wataru Kishimoto, Asami Saito, Akiko Harada, Thomas Ebner, Willy Roth, Takashi Igarashi, and Yuichi Sugiyama ............ 1109


Quantitative Determination of Aristolochic Acid-Derived DNA Adducts in Rats Using 32P-Postlabeling/Polyacrylamide Gel Electrophoresis Analysis. Huan Dong, Naomi Suzuki, Maria C. Torres, Radha R. Bonala, Francis Johnson, Arthur P. Grollman, and Shinya Shibutani .......... 1122


Neurotoxic Pyridinium Metabolites of Haloperidol Are Substrates of Human Organic Cation Transporters. Ho-Jin Kang, Sang-Seop Lee, Chung-Hee Lee, Ju-Chel Shim, Ho Jung Shin, Kwang-Hyeon Liu, Mi-Ae Yoo, and Jae-Gook Shin ... 1145

Identification of Human Hepatic Cytochrome P450 Enzymes Involved in the Metabolism of 8-Prenylnaringenin and Isoxanthohumol from Hops (Humulus lupulus L.). Jian Guo, Dejan Nikolic,
Contents (cont'd.)

Selective Effects of Nitric Oxide on the Disposition of Chlorzoxazone and Dextromethorphan in Isolated Perfused Rat Livers. Ragini Vuppugalla and Reza Mehvar .................... 1160

Expression, Purification, and Characterization of Mouse Cyp2d22. Ai-Ming Yu and Robert L. Haining .................... 1167

Pharmacokinetics of Atorvastatin and Its Hydroxy Metabolites in Rats and the Effects of Concomitant Rifampicin Single Doses: Relevance of First-Pass Effect from Hepatic Uptake Transporters, and Intestinal and Hepatic Metabolism. Yvonne Y. Lau, Hideaki Okochi, Yong Huang, and Leslie Z. Benet .................... 1175

First-Pass Effects of Verapamil on the Intestinal Absorption and Liver Disposition of Fexofenadine in the Porcine Model. Niclas Petri, Ebba Bergman, Patrik Forsell, Mikael Hedelund, Ulf Bondesson, Lars Knutson, and Hans Lennernas ......... 1182


Factors Influencing Midazolam Hydroxylation Activity in Human Liver Microsomes. Ping He, Michael H. Court, David J. Greenblatt, and Lisa L. von Moltke .................... 1198


The Novel UGT1A9 Intronic I399 Polymorphism Appears as a Predictor of 7-Ethyl-10-Hydroxycampothecin Glucuronidation Levels in the Liver. Hugo Girard, Lyne Villeneuve, Michael H. Court, Louis-Charles Fortier, Patrick Caron, Qin Hao, Lisa L. von Moltke, David J. Greenblatt, and Chantal Guillemette ............ 1220

Drug-Drug Interaction between Pitavastatin and Various Drugs via OATP1B1. Masaru Hirano, Kazuya Maeda, Yoshihisa Shitara, and Yuichi Sugiyama .................... 1229

Glutathione S-Transferase Omega 1 and Omega 2 Pharmacogenomics. BaiDeHi Mukherjee, Oreste E. Salavaggione, Linda L. Pelleymounter, Irene Moon, Bruce W. Eckloff, Daniel J. Schaid, Eric D. Wibben, and Richard M. Weinshilboum ............ 1237

Involvement of Transporters in the Hepatic Uptake and Biliary Excretion of Valsartan, a Selective Antagonist of the Angiotensin II AT1-Receptor, in Humans. Wakaba Yamashiro, Kazuya Maeda, Masakazu Hirouchi, Yoshihisa Adachi, Zhuohan Hu, , and Yuichi Sugiyama ............ 1247

Extrapolation of Preclinical Pharmacokinetics and Molecular Feature Analysis of “Discovery-Like” Molecules to Predict Human Pharmacokinetics. Christopher A. Evans, Larry J. Jolivet, Rakesh Nagilla, and Keith W. Ward ............ 1255


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

About the cover: Human GSTO1 (A) and GSTO2 (B) polymorphisms. See the article by Mukherjee et al. on page 1237 of this issue.