MINIREVIEW

Reaction Phenotyping: Advances in the Experimental Strategies Used to Characterize the Contribution of Drug-Metabolizing Enzymes. Michael A. Zientek and Kuresh Youdim

SHORT COMMUNICATION

Involvement of the H+/Organic Cation Antiporter in Nicotine Transport in Rat Liver. Yuma Tega, Shin-ichi Akamima, Yoshiyuki Kubo, and Ken-ichi Hosoya

ARTICLES

Age-Dependent Activity of the Uptake Transporters Ntcp and Oatp1b2 in Male Rat Hepatocytes: From Birth Till Adulthood. Sarinj Fattah, Patrick Augustijn, and Pieter Annaert

Modulation of (–)-Epicatechin Metabolism by Coadministration with Other Polyphenols in Caco-2 Cell Model. Belén Sanchez-Bridge, Antoine Lévêques, Hequn Li, Emmanuelle Bertschy, Amayr Patin, and Lucas Actis-Goretta

A Nonradioactive Approach to Investigate the Metabolism of Therapeutic Peptides by Tagging with $^{127}$I and Using Inductively-Coupled Plasma Mass Spectrometry Analysis. Heng-Keang Lim, Yuan Cao, Xi Qiu, Jose Silva, and David C. Evans

Evaluation of 89 Compounds for Identification of Substrates for Cynomolgus Monkey CYP2C76, a New Bupropion/Nifedipine Oxidase. Shinya Hosaka, Norie Murayama, Masahiro Satsukawa, Makiko Shimizu, Shotaro Uehara, Hideki Fujino, Kazuhide Iwasaki, Shunsuke Iwano, Yasuhiro Uno, and Hiroshi Yamazaki

Inhibition of Human Aldehyde Oxidase Activity by Diet-Derived Constituents: Structural Influence, Enzyme-Ligand Interactions, and Clinical Relevance. John T. Barr, Jeffrey P. Jones, Nicholas H. Oberlies, and Mary F. Paine

Anti-CD28 Monoclonal Antibody–Stimulated Cytokines Released from Blood Suppress CYP1A2, CYP2B6, and CYP3A4 in Human Hepatocytes In Vitro. Maciej Czerwiński, Faraz Kazmi, Andrew Parkinson, and David B. Buckley


The Hepatobiliary Disposition of Timosaponin B2 Is Highly Dependent on Influx/Efflux Transporters but Not Metabolism. Jingjing Sheng, Xiaoting Tian, Guanglin Xu, Zhitao Wu, Chen Chen, Le Wang, Lili Pan, Chenggang Huang, and Guoyu Pan

Quantitative Structure-Pharmacokinetic Relationships for the Prediction of Renal Clearance in Humans. Rutwij A. Dave and Marilyn E. Morris

Imperatorin Is a Mechanism-Based Inactivator of CYP2B6. Liwei Zheng, Jiaojiao Cao, Dan Lu, Lin Ji, Ying Peng, and Jiang Zheng


Dog UDP-Glucuronosyltransferase Enzymes of Subfamily 1A: Cloning, Expression, and Activity. Johanna Troberg, Erikka Järvinen, Maria Muniz, and...
Contents (cont’d.)

Nina Sneitz, Johanna Mosorin, Marja Hagström, and Moshe Finel ........................................... 107

HepaRG Cells as Human-Relevant In Vitro Model to Study the Effects of Inflammatory Stimuli on Cytochrome P450 Isoenzymes. Katarina Rubin, Annika Janefeldt, Linda Andersson, Zsofia Berke, Ken Grime, and Tommy B. Andersson ........................................... 119

Phase II Metabolism in Human Skin: Skin Explants Show Full Coverage for Glucuronidation, Sulfation, N-Acetylation, Catechol Methylation, and Glutathione Conjugation. Nenad Manevski, Piet Swart, Kamal Kumar Balavenkatraman, Barbara Bertschi, Gian Camenisch, Olivier Kretz, Hilmar Schiller, Markus Walles, Barbara Ling, Reto Wettstein, Dirk J. Schaefer, Peter Itin, Joanna Ashton-Chess, Francois Pognan, Armin Wolf; and Karine Litherland ........................................... 126


Transporter-Mediated Uptake of UDP-Glucuronic Acid by Human Liver Microsomes: Assay Conditions, Kinetics, and Inhibition. Andrew Rowland, Peter I. Mackenzie, and John O. Miners ........................................... 147


ERRATUM

Correction to “Evaluation of Near Infrared Fluorescent Labeling of Monoclonal Antibodies as a Tool for Tissue Distribution”. ........................................... 53

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

About the cover: Molecular docking of ECG in the homology model of human AO. See the article by Barr et al. (dx.doi.org/10.1124/dmd.114.061192).