SPECIAL SECTION ON DRUG METABOLISM AND THE MICROBIOME

Drug Metabolism by the Host and Gut Microbiota: A Partnership or Rivalry?. Hollie I. Swanson .......................... 1499

Review: Mechanisms of How the Intestinal Microbiota Alters the Effects of Drugs and Bile Acids. Curtis D. Klaassen and Julia Yue Cui .......................... 1505

Indole and Tryptophan Metabolism: Endogenous and Dietary Routes to Ah Receptor Activation. Troy D. Hubbard, Iain A. Murray, and Gary H. Perdew .......................... 1522

Aryl Hydrocarbon Receptor Activity of Tryptophan Metabolites in Young Adult Mouse Colonocytes. Yating Cheng, Un-Ho Jin, Clint D. Allred, Arul Jayaraman, Robert S. Chapkin, and Stephen Safe .......................... 1536

Importance of Large Intestine in Regulating Bile Acids and Glucagon-Like Peptide-1 in Germ-Free Mice. Felcy Pavithra Selwyn, Iván L. Csanaky, Youcai Zhang, and Curtis D. Klaassen .......................... 1544

Microbiome Disturbances and Autism Spectrum Disorders. Cheryl S. Rosenfeld .......................... 1557

RNA-Seq Quantification of Hepatic Drug Processing Genes in Germ-Free Mice. Felcy Pavithra Selwyn, Julia Yue Cui, and Curtis D. Klaassen .......................... 1572


Intestinal Absorption and Metabolism of Epimedium Flavonoids in Osteoporosis Rats. Jing Zhou, Yi Hua Ma, Zhong Zhou, Yan Chen, Ying Wang, and Xia Gao .......................... 1590

The Presystemic Interplay between Gut Microbiota and Orally Administered Calycosin-7-O-β-d-Glucoside. Jian-Qing Ruan, Shang Li, Ya-Ping Li, Wen-Jin Wu, Simon Ming-Yuen Lee, and Ru Yan .......................... 1601

Defining the Role of Gut Bacteria in the Metabolism of Deleobuvir: In Vitro and In Vivo Studies. Michelle McCabe, Rucha S. Sane, Monica Keith-Luzzi, Jun Xu, Illeaniz King, Andrea Whitcher-Johnstone, Nicholas Johnstone, Donald J. Tweedie, and Yongmei Li .......................... 1612

Investigation of Host–Gut Microbiota Modulation of Therapeutic Outcome. Lian Yee Yip and Eric Chui Yong Chan .......................... 1619

SHORT COMMUNICATION


ARTICLES


Prediction of Drug-Drug Interactions with Crizotinib as the CYP3A Substrate Using a Physiologically Based Pharmacokinetic Model. Shinji Yamazaki, Theodore R. Johnson, and Bill J. Smith .......................... 1417


Continued on next page