ARTICLE
Mechanistic In Vitro Studies Indicate that the Clinical Drug-Drug Interaction between Telithromycin and Simvastatin Acid Is Driven by Time-Dependent Inhibition of CYP3A4 with Minimal Effect on OATP1B1. Robert Elsby, Victoria Hare, Hannah Neal, Samuel Outteridge, Catherine Pearson, Katie Plant, Rachel Upcott Gill, Philip Butler, and Robert J. Riley.............


Oral Coadministration of Fluconazole with Tramadol Markedly Increases Plasma and Urine Concentrations of Tramadol and the \( \text{O-Desmethyltramadol} \) Metabolite in Healthy Dogs. Tania E. Perez Jimenez, Butch Kukanich, Hyun Joo, Katrina L. Mealey, Tamara L. Grubb, Stephen A. Greene, and Michael H. Court.........................15

Evaluation of Carbazeran 4-Oxidation and \( \text{O}^6\)-Benzylguanine 8-Oxidation as Catalytic Markers of Human Aldehyde Oxidase: Impact of Cytosolic Contamination of Liver Microsomes. Jiaron Xie, Nur Fazilah Saburulla, Shiyan Chen, Stew Ying Wong, Ze Ping Yap, Linghua Harris Zhang, and Aik Jiang Lau.........................26

Quantitative Analysis of UDP-Glucuronosyltransferase Ugt1a and Ugt2b mRNA Expression in the Rat Liver and Small Intestine: Sex and Strain Differences. Takaya Kutsukake, Yoichi Furukawa, Kyoko Onodera, Saki Gotoh, Tatsuki Fukami, and Miki Nakajima........38

Quantitation of Lysosomal Trapping of Basic Lipophilic Compounds Using In Vitro Assays and In Silico Predictions Based on the Determination of the Full pH Profile of the Endo-/Lysosomal System in Rat Hepatocytes. Maximilian V. Schmitt, Philip Lienau, Gert Fricker, and Andreas Reichel........49

SHORT COMMUNICATION
A Novel Pathogenic UGT1A1 Variant in a Sudanese Child with Type 1 Crigler-Najjar Syndrome. Walaa Elfar, Erkka Järvinen, Weizhen Ji, Johanna Mosorin, Annalisa G. Sega, Alina C. Iuga, Steven J. Lobritto, Monica Konstantino, Albert Chan, Moshe Finel, and Saquib A. Lakhani........45

CORRECTION
Correction: Meeting the Challenge of Predicting Hepatic Clearance of Compounds Slowly Metabolized by Cytochrome P450 Using a Novel Hepatocyte Model, Hepatopac. Tom S. Chan, Hongbin Yu, Amanda Moore, Salman R. Khemani, and Donald Tweedie, appeared on pages 2024-2032 of the December 2013 issue. A correction for this article appears on page 58........58

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

About the cover: Truncated structures of (A) imetelstat, (B) phosphorothioate and (C) phosphodiester oligonucleotide linkages. See the article by Kazmi et al. (https://dx.doi.org/10.1124/dmd.118.084103).