## Contents

### BEHAVIORAL PHARMACOLOGY

Characterization of the Discriminative Stimulus Effects of Binary Mixtures of Mu Opioid Receptor Agonists in Rats

*Shawn M. Flynn and Charles P. France*

### CELLULAR AND MOLECULAR

The Skeletal Muscle Relaxer Cyclobenzaprine Is a Potent Non-Competitive Antagonist of Histamine H1 Receptors

*Kirti Singh, Ilya S. Senatorov, Ameneh Cheshmehkani, Priyanka F. Karmokar, and Nader H. Moniri*

### DRUG DISCOVERY AND TRANSLATIONAL MEDICINE

RTICBM-74 Is a Brain-Penetrant Cannabinoid Receptor Subtype 1 Allosteric Modulator that Reduces Alcohol Intake in Rats

*Dennis F. Lovelock, Thuy Nguyen, Kalynn Van Voorhies, Yanan Zhang, and Joyce Besheer*

Pharmacokinetics and Safety Studies in Rodent Models Support Development of EPICERTIN as a Novel Topical Wound-Healing Biologic for Ulcerative Colitis

*Daniel Tisek, Micaela Reeves, Joshua Royal, Krystal T. Hamorsky, Hanna Ng, Maria Arolfo, Carol Green, Abhishek Triguaine, Toufan Parman, Goo Lee, and Nobuyuki Matoba*

The Andrographolide Analogue 3A.1 Synergizes with Taxane Derivatives in Aggressive Metastatic Prostate Cancers by Upregulation of Heat Shock Proteins and Downregulation of MAT2A-Mediated Cell Migration and Invasion


Etavopivat, a Pyruvate Kinase Activator in Red Blood Cells, for the Treatment of Sickle Cell Disease

*Patricia Schroeder, Keertik Fulzele, Sanjeev Forsyth, Maria D. Ribadeneyra, Sylvie Guichard, Erik Wilker, C. Gary Marshall, Adam Drake, Rose Fessler, Diamantis G. Kontantinidis, Katie G. Seu, and Theodosia A. Kalfa*

A Potent Inhibitor of Aminopeptidase P2 Reduces Reperfusion Injury in Models of Myocardial Infarction and Stroke

*Morgan R. Lenz, Shih-Yen Tsai, Anne E. Roessler, Yang Wang, Pariitram Sethupathi, W. Keith Jones, Gwendolyn L. Karte, and William H. Simmons*

### GASTROINTESTINAL, HEPATIC, PULMONARY, AND RENAL

Empagliflozin Protects against Pulmonary Ischemia/Reperfusion Injury via an Extracellular Signal-Regulated Kinases 1 and 2-Dependent Mechanism

*Dow Huang, Feng Ju, Lei Du, Ting Liu, Yunxia Zuo, Geoffrey W. Abbott, and Zhaoyang Hu*

### NEUROPHARMACOLOGY

The Dopamine D1 Receptor Positive Allosteric Modulator Mevidalen (LY3154207) Enhances Wakefulness in the Humanized D1 Mouse and in Sleep-Deprived Healthy Male Volunteers

*Andrew P. McCarthy, Kjell A. Svensson, Elaine Shanks, Claire Brittain, Brian J. Eastwood, William Kielbasa, Kevin M. Biglan, and Keith A. Wafford*

Supplemental material is available at jpet.aspetjournals.org.