## Contents

### BEHAVIORAL PHARMACOLOGY
- Charaterization of the Discriminative Stimulus Effects of Binary Mixtures of Mu Opioid Receptor Agonists in Rats
  - Discriminating Fentanyl
  - Shawn M. Flynn and Charles P. France
  - Page 171

### CELLULAR AND MOLECULAR
- The Skeletal Muscle Relaxer Cyclobenzaprine Is a Potent Non-Competitive Antagonist of Histamine H1 Receptors
  - Kirti Singh, Ilya S. Senatorov, Ameneh Cheshmelehkani, Priyanka F. Karmokar, and Nader H. Moniri
  - Page 202

### 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
  - Page 153
- Pharmacokinetics and Safety Studies in Rodent Models Support Development of EPICERTIN as a Novel Topical Wound-Healing Biologic for Ulcerative Colitis
  - Daniel Tusé, Micaela Reeves, Joshua Royal, Krystal T. Hamorsky, Hanna Ng, Maria Arolfo, Carol Green, Abhishek Trigunniare, Toufan Parman, Goo Lee, and Nobuyuki Matoba
  - Page 162
- 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
  - Page 180
- Etavopivat, a Pyruvate Kinase Activator in Red Blood Cells, for the Treatment of Sickle Cell Disease
  - Patricia Schroeder, Keeritk Fulzele, Sanjeev Forsyth, Maria D. Ribadenepira, Sylvie Guichard, Erik Wilker, C. Gary Marshall, Adam Drake, Rose Fessler, Diamantis G. Konstantinidis, Katie G. Seu, and Theodosia A. Kalfa
  - Page 210
- 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, Pertianni Sethupathi, W. Keith Jones, Gwendolyn L. Kartje, and William H. Simmons
  - Page 220

### GASTROINTESTINAL, HEPATIC, PULMONARY, AND RENAL
- Empagliflozin Protects against Pulmonary Ischemia/Reperfusion Injury via an Extracellular Signal-Regulated Kinases 1 and 2-Dependent Mechanism
  - Don Huang, Feng Ju, Lei Du, Ting Liu, Yunxia Zuo, Geoffrey W. Abbott, and Zhaoyang Hu
  - Page 230

### NEUROPHARMACOLOGY
- The Dopamine D1 Receptor Positive Allosteric Modulator Mevidalan (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
  - Page 143

---

**About the cover:** Differential gene expression profiling of 3A.1 single-agent and combination therapy. See the article by Ghosh et al. (dx.doi.org/10.1124/jpet.121.000898).