November 2018
Vol. 367, No. 2

Contents

BEHAVIORAL PHARMACOLOGY
- Pharmacokinetic/Pharmacodynamic Correlation Analysis of Amantadine for Levodopa-Induced Dyskinesia

CARDIOVASCULAR
- Tyrosine 450 in the Voltage- and Calcium-Gated Potassium Channel of Large Conductance Channel Pore-Forming (slo1) Subunit Mediates Cholesterol Protection against Alcohol-Induced Constriction of Cerebral Arteries
  Kelsey North, Shivantika Bisen, Alex M. Dopico, and Anna N. Bukiya

CELLULAR AND MOLECULAR
- Beta-3 Adrenoceptor Signaling Pathways in Urothelial and Smooth Muscle Cells in the Presence of Succinate
  Abubakr Mossa, Monica Velasquez Flores, Hieu Nguyen, Philippe G. Cammisotto, and Lysanne Campeau
- Induced Pluripotent Stem Cell–Derived Podocyte-Like Cells as Models for Assessing Mechanisms Underlying Heritable Disease Phenotype: Initial Studies Using Two Alport Syndrome Patient Lines Indicate Impaired Potassium Channel Activity

CHEMOTHERAPY, ANTIBIOTICS, AND GENE THERAPY
- Parapheromones Suppress Chemotherapy Side Effects
  Goeun Lee, Eunhee Yang, Sojin Kim, Cheung-Seog Park, Yong Seek Park, and Young-Ho Jin

DRUG DISCOVERY AND TRANSLATIONAL MEDICINE
- A Pharmacokinetic/Pharmacodynamic Model to Predict Effective HIV Prophylaxis Dosing Strategies for People Who Inject Drugs
  Katy L. Garrett, Jingshian Chen, Brian M. Maas, Mackenzie L. Cottrell, Heather A. Prince, Craig Sykes, Amanda P. Schauer, Nicole White, and Julie B. Dumond
- In Vitro Pharmacological Characterization of Buprenorphine, Samidorphan, and Combinations Being Developed as an Adjunctive Treatment of Major Depressive Disorder
  Jean M. Bidlack, Brian I. Knapp, Daniel R. Deaver, Margarita Plotnikava, Derrick Arnelle, Angela M. Wonsey, May Fern Toh, Sokhom S. Pin, and Mark N. Namchuk

GASTROINTESTINAL, HEPATIC, PULMONARY, AND RENAL
- Impairment of Nitric Oxide Pathway by Intravascular Hemolysis Plays a Major Role in Mice Esophageal Hypercontractility: Reversion by Soluble Guanylyl Cyclase Stimulator
  Fabio Henrique Silva, Kleber Yotsumoto Ferrerin, Eduardo Costa Alexandre, Fabiano Beraldi Calmasini, Carla Fernando Franco-Penteado, and Fernando Ferreira Costa
- Nucleos(t)ide Analogs Do Not Independently Influence Hepatic Fibrosis and Portal Hypertension beyond Viral Suppression in CBDL-Induced Cirrhotic Rat
  Yu-Hsin Hsieh, Hui-Chen Huang, Ching-Chih Chang, Chiao-Lin Chuang, Fa-Yauh Lee, Shao-Jung Hsu, Yi-Hsiang Huang, Ming-Chih Hou, and Shou-Dong Lee
- Inhibition of Intestinal Epithelial Wound Healing through Protease-Activated Receptor-2 Activation in Caco2 Cells
  Elizabeth H. Fernando, Marilyn H. Gordon, Paul L. Beck, and Wallace K. MacNaughton
The Antinociceptive and Anti-Inflammatory Properties of the α7 nAChR Weak Partial Agonist p-CF3, N,N-diethyl-N'-phenylpiperazine
Marta Quadri, Deniz Bagdas, Wisam Toma, Clare Stokes, Nicole A. Horenstein, M. Imad Damaj, and Roger L. Papke

Organic Anion Transporter 2–Mediated Hepatic Uptake Contributes to the Clearance of High-Permeability–Low-Molecular-Weight Acid and Zwitterion Drugs: Evaluation Using 25 Drugs
Emi Kimoto, Sumathy Mathialagan, Laurie Tylaska, Mark Niosi, Jian Lin, Anthony A. Carlo, David A. Tess, and Mantehna V. S. Varma

Interactions between Cocaine and the Putative Allosteric Dopamine Transporter Ligand SRI-31142
Megan J. Moerke, Subramaniam Ananthan, Matthew L. Banks, Jose M. Eltit, Kelen C. Freitas, Amy R. Johnson, Sareendra K. Saini, Tyler W. E. Steele, and S. Stevens Nugus

A Novel Peptide Restricts Ethanol Modulation of the BK Channel In Vitro and In Vivo

Inhibitors of the Neutral Amino Acid Transporters ASCT1 and ASCT2 Are Effective in In Vivo Models of Schizophrenia and Visual Dysfunction
Yong-Xin Li, Jia-Ying Yang, Miguel Alcantara, Grigor Abelian, Ashutosh Kulkarni, Ursula Staubli, and Alan C. Foster

Molecular Neuroprotection Induced by Zinc-Dependent Expression of Hepatitis C–Derived Protein NS5A Targeting Kv2.1 Potassium Channels

Pharmacology, Pharmacokinetics, and Tissue Disposition of Zwitterionic Hydroxyiminoacetamido Alkylamines as Reactivating Antidotes for Organophosphate Exposure
Rakesh K. Sit, Zrinka Kovarik, Nikolina Maček Hrvat, Suzana Žunec, Carol Green, Valery V. Fokin, K. Barry Sharpless, Zoran Radić, and Palmer Taylor

5-HT2A Receptor Agonist-Induced Hyperthermia Is Induced via Vasoconstriction by Peripheral 5-HT2A Receptors and Brown Adipose Tissue Thermogenesis by Peripheral Serotonin Loss at a High Ambient Temperature
Mami Nakamura, Kaori Shintani-Ishida, and Hiroshi Ikegaya

Correction to “Antagonism of Aryl Hydrocarbon Receptor Signaling by 6, 2′,4′-Trimethoxyflavone”

Supplemental material is available at jpet.aspetjournals.org.

About the cover: Rapid neuronal expression of MRE-driven products. See the article by Justice et al. (https://doi.org/10.1124/jpet.118.252338).