### Contents

#### HIGHLIGHTED PAPERS

<table>
<thead>
<tr>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>342</td>
</tr>
</tbody>
</table>

#### PERSPECTIVES IN PHARMACOLOGY

Pharmacology at Work for Cardio-Oncology: Ranolazine to Treat Early Cardiotoxicity Induced by Antitumor Drugs  
Giorgio Minotti  
343

#### BEHAVIORAL PHARMACOLOGY

Lisa K. Brents, Sarah M. Zimmerman, Amanda R. Saffell, Paul L. Prather, and William E. Fantegrossi  
350

#### CARDIOVASCULAR

- Fetal Rat Hearts Do Not Display Acute Cardiotoxicity in Response to Maternal Doxorubicin Treatment  
Mina Mhallem Gziri, Peter Pokreisz, Rita De Vos, Eric Verbeke, Frédéric Debiève, Luc Mertens, Stefan P. Janssens, and Frédéric Amant  
362
- A New Pyrroline Compound Selective for I1-Imidazoline Receptors Improves Metabolic Syndrome in Rats  
Lyne Fellmann, Véronique Regnault, Hugues Greney, Vincent Gasparik, Adeline Muscat, Jean-Pierre Max, Luc Gigou, Valérie Oréa, Gérard Chetrite, Anne Pizard, Nathalie Niederhoffer, Claude Julien, Patrick Lacolley, Bruno Fève, and Pascal Bousquet  
370

#### CHEMOTHERAPY, ANTIBIOTICS, AND GENE THERAPY

- The Novel Anticancer Agent JNJ-26854165 Induces Cell Death through Inhibition of Cholesterol Transport and Degradation of ABCA1  
Richard J. Jones, Dongmin Gu, Chad C. Bjorklund, Isere Kuiatse, Alan T. Remaley, Tarig Bashir, Veronique Vreys, and Robert Z. Orlowski  
381
- DNA-Damaging Imidazoacridinone C-1311 Induces Autophagy followed by Irreversible Growth Arrest and Senescence in Human Lung Cancer Cells  
Joanna Polewska, Anna Skwarska, Ewa Augustin, and Jerzy Konopa  
393

#### DRUG DISCOVERY AND TRANSLATIONAL MEDICINE

- Pharmacokinetics and Pharmacodynamics of the Glutamate Carboxypeptidase II Inhibitor 2-MPPA Show Prolonged Alleviation of Neuropathic Pain through an Indirect Mechanism  
James J. Vornov, Krystyna M. Woźniak, Ying Wu, Camilo Rojas, Rana Rais, and Barbara S. Slusher  
406
- Effect of the Mixed Phosphodiesterase 3/4 Inhibitor RPL554 on Human Isolated Bronchial Smooth Muscle Tone  
Luigino Calzetta, Clive P. Page, Domenico Spina, Mario Cazzola, Paola Rogliani, Francesco Facciolo, and Maria Gabriella Matera  
414
- Anodal Iontophoresis of a Soluble Guanylate Cyclase Stimulator Induces a Sustained Increase in Skin Blood Flow in Rats  
Sylvain Kotzki, Matthieu Rousset, Claire Arnaud, Jean Boutonnet, Sophie Blaise, Diane Godin-Riboulot, and Jean-Luc Cracowski  
424
- Modeling Tumor Response after Combined Administration of Different Immune-Stimulatory Agents  
Zinnia P. Parra-Guillen, Pedro Berraondo, Benjamin Ribba, and Iñaki F. Trocóniz  
432
ENDOCRINE AND DIABETES
Chronic Treatment with Novel GPR40 Agonists Improve Whole-Body Glucose Metabolism Based on the Glucose-Dependent Insulin Secretion

Hirotsugu Tanaka, Shigeru Yoshida, Hiroyuki Oshima, Hideaki Minoura, Kenji Negoro, Takao Yamazaki, Shuichi Sakuda, Fumiyoshi Iwasaki, Tetsuo Matsui, and Masayuki Shibasaki

GASTROINTESTINAL, HEPATIC, PULMONARY, AND RENAL
Short- and Long-Term Regulation of Intestinal Na\(^+\)/H\(^+\) Exchange Activity Associated with TLR2 Receptor Activation Is Independent of Nuclear Factor-κB Signaling

José Miguel Cabral, Patrício Soares-da-Silva, and Fernando Magro

NLRP3 Inflammasome Knockout Mice Are Protected against Ischemic but Not Cisplatin-Induced Acute Kidney Injury

Hyun-Jung Kim, Dong Won Lee, Kameswaran Ravichandran, Daniel O. Keys, Ali Akcay, Quocan Nguyen, Zhibin He, Alkesh Jani, Danica Ljubanovic, and Charles L. Edelstein

INFLAMMATION, IMMUNOPHARMACOLOGY, AND ASTHMA
Concurrent Agonism of Adenosine A\(_2\)B and Glucocorticoid Receptors in Human Airway Epithelial Cells Cooperatively Induces Genes with Anti-Inflammatory Potential: A Novel Approach to Treat Chronic Obstructive Pulmonary Disease

Stephanie Greer, Cara W. Page, Taruna Joshi, Dong Yan, Robert Newton, and Mark A. Giembycz

METABOLISM, TRANSPORT, AND PHARMACOGENOMICS
Impact of P-Glycoprotein (ABCB1) and Breast Cancer Resistance Protein (ABCG2) Gene Dosage on Plasma Pharmacokinetics and Brain Accumulation of Dasatinib, Sorafenib, and Sunitinib

Seng Chuan Tang, Niels de Vries, Rolf W. Sparidans, Els Wagenaar, Jos H. Beijnen, and Alfred H. Schinkel

Substrate-Dependent Inhibition of Human MATE1 by Cationic Ionic Liquids

Lucy J. Martínez-Guerrero and Stephen H. Wright

Toxicokinetics/Toxicodynamics of γ-Hydroxybutyrate-Ethanol Intoxication: Evaluation of Potential Treatment Strategies

Bridget L. Morse and Marilyn E. Morris

NEUROPHARMACOLOGY
Pharmacological Characterization of JNJ-40068782, a New Potent, Selective, and Systemically Active Positive Allosteric Modulator of the mGlu2 Receptor and Its Radioligand \([\text{H}]\text{JNJ-40068782}\)

Hilde Lavreysen, Xavier Langlois, Abdel Ahnaou, Wilhelms Drinkenburg, Paula te Riele, Ilse Biesmans, Ilse Van der Linden, Luc Peeters, Anton Megens, Cindy Wintmolders, Jose Maria Cid, André A. Trabanco, Jose Ignacio Andrés, Frank M. Dautzenberg, Robert Lötjens, Gregor Macdonald, and John R. Atack

Long-Lasting Attenuation of Amygdala-Kindled Seizures after Convection-Enhanced Delivery of Botulinum Neurotoxins A and B into the Amygdala in Rats

Maciej Gasior, Rebecca Tang, and Michael A. Rogawski

Stronger Antinociceptive Efficacy of Opioids at the Injured Nerve Trunk Than at Its Peripheral Terminals in Neuropathic Pain

Dominika Labuz and Halina Machelska

Physical Presence of Nor-Binaltorphimine in Mouse Brain over 21 Days after a Single Administration Corresponds to Its Long-Lasting Antagonistic Effect on κ-Opioid Receptors

Kshitij A. Patkar, Jinhua Wu, Michelle L. Ganno, Harminder D. Singh, Nicolette C. Ross, Khampaseuth Rasakham, Lawrence Toll, and Jay P. McLaughlin

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