# HIGHLIGHTED PAPERS

## PERSPECTIVES IN PHARMACOLOGY

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

## BEHAVIORAL PHARMACOLOGY

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

## CARDIOVASCULAR

- Fetal Rat Hearts Do Not Display Acute Cardiotoxicity in Response to Maternal Doxorubicin Treatment  
  *Mina Mhallem Gziri, Peter Pokreisz, Rita De Vos, Eric Verbeken, Frédéric Debiève, Luc Mertens, Stefan P. Janssens, and Frédéric Amant*
- 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 Lalcolley, Bruno Fève, and Pascal Bousquet*

## 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*
- 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*

## 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*
- 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*
- 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 Boutonnat, Sophie Blaise, Diane Godin-Ribaut, and Jean-Luc Cracowski*
- Modeling Tumor Response after Combined Administration of Different Immune-Stimulatory Agents  
  *Zinnia P. Parra-Guillen, Pedro Berraondo, Benjamin Ribba, and Iñaki F. Trocóniz*
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\(_2B\) 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 PHARMACOCENOMICS

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. Martinez-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 \(^{[3]H}\)JNJ-40068782

Hilde Lavreyssen, Xavier Langlois, Abdel Ahnaou, Wilhelms Drinkenburg, Paula te Riele, Ilse Biesmans, Ilse Van der Linden, Luc Peeters, Anton Megens, Cindy Wintmolders, Jose Maria Cid, Andrés A. Trabanco, Jose Ignacio Andrés, Frank M. Dautzenberg, Robert Lütjens, 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 Gasiort, 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.

About the cover: Schematic representation of the combination therapy model. See the article by Parra-Guillen et al. on page 432 of this issue.