HIGHLIGHTED PAPERS

BEHAVIORAL PHARMACOLOGY

Rats Selectively Bred for Ethanol Preference or Nonpreference Have Altered Working Memory

Galen R. Wenger and Camron J. Hall

Nitric-Oxide Synthase Mediates the Ability of Darbepoetin Alfa to Attenuate Pre-Existing Spatial Working Memory Deficits in Rats Subjected to Transient Global Ischemia

Michel L. Samson, Kosuke Kajitani, and George S. Robertson

Pharmacological Characterization of the Discriminative Stimulus of Inhaled 1,1,1-Trichloroethane

Keith L. Shelton

CARDIOVASCULAR

Trimetazidine, Administered at the Onset of Reperfusion, Ameliorates Myocardial Dysfunction and Injury by Activation of p38 Mitogen-Activated Protein Kinase and Akt Signaling

Mahmood Khan, Sarath Meduru, Mahmoud Mostafa, Saniya Khan, Khalman Hideg, and Periannan Kuppusamy

CELLULAR AND MOLECULAR

Butrin, Isobutrin, and Butein from Medicinal Plant Butea monosperma Selectively Inhibit Nuclear Factor-κB in Activated Human Mast Cells: Suppression of Tumor Necrosis Factor-α, Interleukin (IL)-6, and IL-8

Zafar Rasheed, Nahid Akhtar, Abubakar Khan, Khursheed A. Khan, and Tariq M. Haqqi

Enhanced Sensitivity of Pancreatic Cancer Cells to Concurrent Inhibition of Aberrant Signal Transducer and Activator of Transcription 3 and Epidermal Growth Factor Receptor or Src

Soumya Jaganathan, Peibin Yue, and James Turkson

Impact of the DRY Motif and the Missing “Ionic Lock” on Constitutive Activity and G-Protein Coupling of the Human Histamine H1 Receptor

Erich H. Schneider, David Schnell, Andrea Strasser, Stefan Dove, and Roland Seifert

Gβγ Signaling Promotes Breast Cancer Cell Migration and Invasion

Joseph K. Kirui, Yan Xie, Dennis W. Wolff, Haihong Jiang, Peter W. Abel, and Yaping Tu

A Novel Sphingosine Kinase Inhibitor Induces Autophagy in Tumor Cells

Vladimir Beljanski, Christian Knaak, and Charles D. Smith

Progesterone Receptor Membrane Component 1 (Pgrmc1): A Heme-1 Domain Protein That Promotes Tumorigenesis and Is Inhibited by a Small Molecule

Ikbas S. Ahmed, Hannah J. Rohe, Katherine E. Twist, Marlene N. Mattingly, and Rolf J. Craven

The Journal of Pharmacology and Experimental Therapeutics (ISSN 0022-3565) is published monthly by the American Society for Pharmacology and Experimental Therapeutics, 9650 Rockville Pike, Bethesda, MD 20814-3995; email: subscriptions@aspet.org; Web site: aspet.org. Periodicals postage paid at Bethesda, MD, and at additional mailing offices. POSTMASTER: Send address changes to The Journal of Pharmacology and Experimental Therapeutics, 9650 Rockville Pike, Bethesda, MD 20814-3995. Subscription rates: U.S.: $975; outside the U.S.: $1,140. Single copy: $85. GST Tax Number for Canadian subscribers: BN: 13489 2330 RT. Indexed or abstracted by Biochemistry & Biophysics Citation Index®, Biological Abstracts, BIOSIS Previews Database, BIOSCIences Information Services, Current Awareness in Biological Sciences, Current Contents®, Life Sciences, EMBASE/Excerpta Medica, Index Medicus, Medical Documentation Service®, PsycINFO, Reference Update®, Research Alerts®, Science Citation Index®, SciSearch®, and SIIC Data Bases. Copyright © 2010 by the American Society for Pharmacology and Experimental Therapeutics. All rights reserved. Printed in the U.S.A.
A Pharmacologically Active Monoclonal Antibody against the Human Melanocortin-4 Receptor: Effectiveness After Peripheral and Central Administration
Jean-Christophe Peter, Anne-Catherine Lecourt, Marjorie Weckering, Géraldine Zipf, Michael L. Niehoff, William A. Banks, and Karl G. Hofbauer

Pharmacological Targeting of the Mitochondrial Phosphatase PTPMT1

Acetylcholinesterase Antagonist Potentiated Insulin Action in Fed but Not Fasted State
Joshua Schafer, Dallas J. Legare, and W. Wayne Lautt

GLP-2 Receptor Agonism Ameliorates Inflammation and Gastrointestinal Stasis in Murine Postoperative Ileus
Beverley A. Moore, Nancy Peffer, Allison Pirole, Ashlyn Bassiri, Sarah Sague, Jeffrey M. Palmer, Dana L. Johnson, Tom Nesspor, Connie Kliwinski, and Pamela J. Hornby

SRT1720 Induces Mitochondrial Biogenesis and Rescues Mitochondrial Function after Oxidant Injury in Renal Proximal Tubule Cells
Jason A. Funk, Sina Odejinmi, and Rick G. Schnellmann

P2Y1 Receptors Mediate Apamin-Sensitive and -Insensitive Inhibitory Junction Potentials in Murine Colonic Circular Smooth Muscle
Yong Zhang, Alan E. Lomax, and William G. Paterson

Anti-Inflammatory Properties of CB1-Receptor Antagonist Involves β2 Adrenoceptors
Stephen J. Mnich, Ronald R. Hiebsch, Rita M. Haff, and Shanmugam Mathian

Evidence of Receptor-Mediated Elimination of Erythropoietin by Analysis of Erythropoietin Receptor mRNA Expression in Bone Marrow and Erythropoietin Clearance During Anemia
Demet Nalbant, Mohammad Saleh, Frederic D. Goldman, John A. Widness, and Peter Veng-Pedersen

A Synthetic 18-Norsteroid Distinguishes between Two Neuroactive Steroid Binding Sites on GABA<sub>A</sub> Receptors
Alex S. Evers, Zi-Wei Chen, Brad D. Manion, Mingcheng Han, Xin Jiang, Ramin Darbandi-Tonkabon, Tristan Kable, John Bracamontes, Charles F. Zorumski, Steven Mennerick, and Douglas F. Covey

Evidence for the Role of Peroxisome Proliferator-Activated Receptor-β/δ in the Development of Spinal Cord Injury
Irene Paterniti, Emanuela Esposito, Emanuela Mazzone, Maria Galuppo, Rosanna Di Paola, Placidio Bramanti, Amar Kapoor, Christoph Thiemermann, and Salvatore Cuzzocrea

A Novel Substituted Piperazine, CM156, Attenuates the Stimulant and Toxic Effects of Cocaine in Mice
Yan-Tong Xu, Nidhi Kaushal, Jamaluddin Shaikh, Lisa L. Wilson, Christophe Mesangeau, Christopher R. McCurdy, and Rae R. Matsumoto

Activation and Inhibition of Mouse Muscle and Neuronal Nicotinic Acetylcholine Receptors Expressed in Xenopus Oocytes
Roger L. Papke, Lynn Wecker, and Jerry A. Stitzel

Rajesh Narendran, N. Scott Mason, Charles M. Laymon, Brian J. Lopresti, Natalie D. Velasquez, Maureen A. May, Steve Kendro, Diana Martinez, Chester A. Mathis, and W. Gordon Frankle

Evidence for De Novo Synthesis of Lysosphatidic Acid in the Spinal Cord through Phospholipase A<sub>2</sub> and Autotaxin in Nerve Injury-Induced Neuropathic Pain
Lin Ma, Hitoshi Uchida, Jun Nagai, Makoto Inoue, Junken Aoki, and Hiroshi Ueda

The Nonpsychoactive Cannabinoid Cannabidiol Inhibits 5-Hydroxytryptamine<sub>3A</sub> Receptor-Mediated Currents in Xenopus laevis Oocytes
Keun-Hang Yang, Sehamuddin Galadari, Dmytro Isaev, Georg Petroianu, Toni S. Shippenberg, and Murat Oz

Reversal of Prolonged Dopamine Inhibition of Dopaminergic Neurons of the Ventral Tegmental Area
Sudarat Nimivitlai and Mark S. Brodie
A Mouse Model of Severe Halothane Hepatitis Based on Human Risk Factors
Christine M. Dugan, Allen E. MacDonald, Robert A. Roth, and Patricia E. Ganey

A Naphthoquinone Derivative Can Induce Anemia through Phosphatidylserine Exposure-Mediated Erythrophagocytosis
Ji-Yoon Noh, Jong-Sook Park, Kyung-Min Lim, Keunyoung Kim, Ok-Nam Bae, Seung-Min Chung, Sue Shin, and Jin-Ho Chung

Influence of Exposure Route and Oral Dosage Regimen on 1,1-Dichloroethylene Toxicokinetics and Target Organ Toxicity
J. V. Bruckner, C. A. White, S. Muralidhara, C. Hines, and C. E. Dallas

Erratum
Correction to “Up-Regulation of the RhoA/Rho-Kinase Signaling Pathway in Corpus Cavernosum from Endothelial Nitric-Oxide Synthase (NOS), but Not Neuronal NOS, Null Mice”

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

About the cover: Gβγ subunits are required for CXCR4-dependent Rac activation and lamellipodia formation in breast cancer cells. See the article by Kirui et al. on page 393 of this issue.