# The Journal of Pharmacology and Experimental Therapeutics

**Contents**

## HIGHLIGHTED PAPERS

### COMMENTARY

Therapeutic Efficacy of a H₄ Receptor Antagonist in Humans: A Milestone in Histamine Research

*Roland Seifert*

The article associated with this Commentary can be found on page 181.

## BEHAVIORAL PHARMACOLOGY

Effects of Pharmacologic Dopamine β-Hydroxylase Inhibition on Cocaine-Induced Reinstatement and Dopamine Neurochemistry in Squirrel Monkeys

*Debra A. Cooper, Heather L. Kimmel, Daniel F. Manvich, Karl T. Schmidt, David Weinshenker, and Leonard L. Howell*

Potent Inhibition of Alcohol Self-Administration in Alcohol-Preferring Rats by a κ-Opioid Receptor Antagonist

*John R. Cashman and Marc R. Azar*

## CARDIOVASCULAR

Ramipril Protects the Endothelium from High Glucose–Induced Dysfunction through CaMKKβ/AMPK and Heme Oxygenase-1 Activation

*Shiliu Tian, Xinfa Ge, Ke Wu, Huabing Yang, and Yu Liu*

## CELLULAR AND MOLECULAR

The Biological Actions of 11,12-Epoxyeicosatrienoic Acid in Endothelial Cells Are Specific to the R/S-Enantiomer and Require the Gₛ Protein

*Yindi Ding, Timo Frömel, Rüdiger Popp, John R. Falck, Wolf-Hagen Schunck, and Ingrid Fleming*

## DRUG DISCOVERY AND TRANSLATIONAL MEDICINE

SOMG-833, a Novel Selective c-MET Inhibitor, Blocks c-MET–Dependent Neoplastic Effects and Exerts Antitumor Activity

*Hao-tian Zhang, Lu Wang, Jing Ai, Yi Chen, Chang-xi He, Yin-chun Ji, Min Huang, Jing-yu Yang, Ao Zhang, Jian Ding, and Mei-yu Geng*

Pharmacology of a Central Nervous System Delivered 2’-O-Methoxyethyl–Modified Survival of Motor Neuron Splicing Oligonucleotide in Mice and Nonhuman Primates

*Frank Rigo, Seung J. Chun, Daniel A. Norris, Gene Hung, Sam Lee, John Matson, Robert A. Fey, Hans Gaus, Yimin Hua, John S. Grundy, Adrian R. Krainer, Scott P. Henry, and C. Frank Bennett*

Semisynthetic Bile Acid FXR and TGR5 Agonists: Physicochemical Properties, Pharmacokinetics, and Metabolism in the Rat

*Aldo Roda, Roberto Pellicciari, Antimo Gioiello, Flavia Neri, Cecilia Camborata, Daniela Passeri, Francesca De Franco, Silvia Spinozzi, Carolina Colliva, Luciano Adorini, Marco Montagnani, and Rita Aldini*
GSK356278, a Potent, Selective, Brain-Penetrant Phosphodiesterase 4 Inhibitor That Demonstrates Anxiolytic and Cognition-Enhancing Effects without Inducing Side Effects in Preclinical Species

A. Richard Rutter, Alessandro Poffe, Palmina Cavallini, T. Gregg Davis, Jessica Schneck, Michele Negri, Elena Vicentini, Dino Montanari, Roberto Arban, Frank A. Gray, Ceri H. Davies, and Paul B. Wren

The Histamine H₄ Receptor Antagonist, JNJ 39758979, Is Effective in Reducing Histamine-Induced Pruritus in a Randomized Clinical Study in Healthy Subjects

Alexa Kollmeier, Klaus Francke, Bin Chen, Paul J. Dunford, Andrew J. Greenspan, Yichuan Xia, Xie L. Xu, Bei Zhou, and Robin L. Thurmond

The Commentary associated with this article can be found on page 2.

GASTROINTESTINAL, HEPATIC, PULMONARY, AND RENAL

Novel Orally Available Salvinorin A Analog PR-38 Inhibits Gastrointestinal Motility and Reduces Abdominal Pain in Mouse Models Mimicking Irritable Bowel Syndrome


Ameliorative Effect of Mepenzolate Bromide against Pulmonary Fibrosis

Shota Karotsu, Ken-ichiro Tanaka, Tomomi Niino, Teita Asano, Toshifumi Sugizaki, Arata Azuma, Hidekazu Suzuki, and Tohru Mizushima

INFLAMMATION, IMMUNOPHARMACOLOGY, AND ASTHMA

Role of microRNAs in Resveratrol-Mediated Mitigation of Colitis-Associated Tumorigenesis in ApcMin/⁺ Mice

Ibrahim Altamemi, E. Angela Murphy, James F. Catropppo, Elizabeth E. Zumbrun, Jiajia Zhang, Jamie L. McClellan, Udai P. Singh, Prakash S. Nagarkatti, and Mitzi Nagarkatti

NEUROPHARMACOLOGY

Structure of the LINGO-1–Anti-LINGO-1 Li81 Antibody Complex Provides Insights into the Biology of LINGO-1 and the Mechanism of Action of the Antibody Therapy

R. Blake Pepinsky, Joseph W. Arndt, Chao Quan, Yan Gao, Omar Quintero-Monzon, Xinhua Lee, and Sha Mi

Ractopamine, a Livestock Feed Additive, Is a Full Agonist at Trace Amine–Associated Receptor 1

Xuehong Liu, David K. Grandy, and Aaron Janowsky

TOXICOLOGY

Macitentan Does Not Interfere with Hepatic Bile Salt Transport

Alexander Treiber, Päivi Äänismaa, Ruben de Kanter, Stephane Delahaye, Marianne Treher, Patrick Hess, and Patricia Sidharta

Trovafloxacin Enhances Lipopolysaccharide-Stimulated Production of Tumor Necrosis Factor-α by Macrophages: Role of the DNA Damage Response

Kyle L. Poulsen, Jesus Olivero-Verbel, Kevin M. Beggs, Patricia E. Ganey, and Robert A. Roth

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

About the cover: Possible assemblies of LINGO-1–Li81 Fab complex based on crystal symmetry. See the article by Pepinsky et al. (dx.doi.org/10.1124/jpet.113.211771).