# The Journal of Pharmacology

And Experimental Therapeutics

A Publication of the American Society for Pharmacology and Experimental Therapeutics

July 2013 Vol. 346, No. 1

## Contents

### HIGHLIGHTED PAPERS

### PERSPECTIVES IN PHARMACOLOGY

- Nonclassical Pharmacology of the Dopamine Transporter: Atypical Inhibitors, Allosteric Modulators, and Partial Substrates

### BEHAVIORAL PHARMACOLOGY

- Effects of Spinally Administered Bifunctional Nociceptin/Orphanin FQ Peptide Receptor/μ-Opioid Receptor Ligands in Mouse Models of Neuropathic and Inflammatory Pain
  Devki D. Sukhtankar, Nurulain T. Zaveri, Stephen M. Husbands, and Mei-Chuan Ko

### CARDIOVASCULAR

- Selective Kinin Receptor Agonists as Cardioprotective Agents in Myocardial Ischemia and Diabetes
  Louis Potier, Ludovic Waeckel, Marie-Pascale Vincent, Catherine Chollet, Fernand Gobeil Jr, Michel Marre, Patrick Bruneval, Christine Richer, Ronan Roussel, François Alhenc-Gelas, and Nadine Bouby

### CELLULAR AND MOLECULAR

- Metallothionein Gene Transfection Reverses the Phenotype of Activated Human Hepatic Stellate Cells
  Xinhua Xu, Fang Shi, Wenli Huang, and Y. James Kang

### DRUG DISCOVERY AND TRANSLATIONAL MEDICINE

- 20-Hydroxyeicosatetraenoic Acid Inhibition Attenuates Balloon Injury-Induced Neointima Formation and Vascular Remodeling in Rat Carotid Arteries

### GASTROINTESTINAL, HEPATIC, PULMONARY, AND RENAL

- Flagellin or Lipopolysaccharide Treatment Modified Macrophage Populations after Colorectal Radiation of Rats
  Jean-Victor Lacavé-Lapalun, Marc Benderitter, and Christine Linard
INFLAMMATION, IMMUNOPHARMACOLOGY, AND ASTHMA

Focal Adhesion Kinase Regulates Collagen I–Induced Airway Smooth Muscle Phenotype Switching
Bart G. J. Dekkers, Anita I. R. Spanjer, Robert D. van der Schuyt, Willem Jan Kuik, Johan Zaagsma, and Herman Meurs

Metabolism and Pathways for Denitration of Organic Nitrates in the Human Liver
Mirco Govoni, Paola Tocchetti, and Jon O. Lundberg

Antipruritic Effect of the Topical Phosphodiesterase 4 Inhibitor E6005 Ameliorates Skin Lesions in a Mouse Atopic Dermatitis Model
Naoto Ishii, Manabu Shirato, Hisashi Wakita, Kazuki Miyazaki, Yasutaka Takase, Osamu Asano, Kazutomi Kusano, Eiichi Yamamoto, Chihiro Inoue, and Ieharu Hishinuma

Basolateral Uptake of Nucleosides by Sertoli Cells Is Mediated Primarily by Equilibrative Nucleoside Transporter 1
David M. Klein, Kristen K. Evans, Rhiannon N. Hardwick, William H. Dantzler, Stephen H. Wright, and Nathan J. Cherrington

NEUROPHARMACOLOGY

κ-Opioid Receptors in the Central Amygdala Regulate Ethanol Actions at Presynaptic GABAergic Sites
Maenghee Kang-Park, Brigitte L. Kieffer, Amanda J. Roberts, George R. Siggins, and Scott D. Moore

Melatonin and Its Analog 5-Methoxycarbonylamino-N-Acetyltryptamine Potentiate Adrenergic Receptor-Mediated Ocular Hypotensive Effects in Rabbits: Significance for Combination Therapy in Glaucoma
Almudena Crooke, Fernando Huete-Toral, Alejandro Martín-Agüila, Alba Martín-Gil, and Jesús Pintor

Estrous Cycle Regulation of Extrasynaptic δ-Containing GABA_A Receptor-Mediated Tonic Inhibition and Limbic Epileptogenesis
Xin Wu, Omkaram Gangisetty, Chase Matthew Carver, and Doodipala Samba Reddy

ERRATUM

Correction to “Pharmacological Characterization of Olodaterol, a Novel Inhaled β2-Adrenoceptor Agonist, Exerting a 24-Hour-Long Duration of Action in Preclinical Models”

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

About the cover: Localization of rENT1 and rENT2 in the testis. See the article by Klein et al. on page 121 of this issue.