HIGHLIGHTED PAPERS

BEHAVIORAL PHARMACOLOGY

Effects of the GABAB Receptor-Positive Modulators CGP7930 and rac-BHFF in Baclofen- and γ-Hydroxybutyrate-Discriminating Pigeons
Wouter Koek, Charles P. France, Kejun Cheng, and Kenner C. Rice

Effects of Serotonin 2C Receptor Agonists on the Behavioral and Neurochemical Effects of Cocaine in Squirrel Monkeys
Daniel F. Manvich, Heather L. Kimmel, and Leonard L. Howell

Role of Corticotropin-Releasing Factor and Corticosterone in Behavioral Sensitization to Ethanol
Raúl Pastor, Cheryl Reed, Paul J. Meyer, Carrie McKinnon, Andrey E. Ryabinin, and Tamara J. Phillips

Activation of Adenosine 1 Receptors Induces Antidepressant-Like, Anti-Impulsive Effects on Differential Reinforcement of Low-Rate 72-s Behavior in Rats
Gerard J. Marek

CARDIOVASCULAR

Ca2+ Channel Activators Reveal Differential L-Type Ca2+ Channel Pharmacology between Native and Stem Cell-Derived Cardiomyocytes
Jiesheng Kang, Xiao-Liang Chen, Junzhi Ji, Qiubo Lei, and David Rampe

CELLULAR AND MOLECULAR

Targeting Signal Transducer and Activator of Transcription 3 Pathway by Cucurbitacin I Diminishes Self-Renewing and Radiochemoresistant Abilities in Thyroid Cancer-Derived CD133+ Cells
Ling-Ming Tseng, Pin-I Huang, Yu-Rang Chen, Yu-Chih Chen, Yueh-Ching Chou, Yi-Wei Chen, Yah-Lih Chang, Han-Shui Hsu, Yuan-Tzu Lan, Kuan-Hsuan Chen, Chin-Wen Chi, Shih-Hwa Chiou, De-Ming Yang, and Chen-Hsen Lee

Regulation of GABAergic Inputs to CA1 Pyramidal Neurons by Nicotinic Receptors and Kynurenic Acid
Jyotirmoy Banerjee, Manickavasagom Alkondon, Edna F. R. Pereira, and Edson X. Albuquerque

DRUG DISCOVERY AND TRANSLATIONAL MEDICINE

Binding Kinetics Redefine the Antagonist Pharmacology of the Corticotropin-Releasing Factor Type 1 Receptor
Beth A. Fleck, Sam R. J. Hoare, Rebecca R. Pick, Margaret J. Bradbury, and Dimitri E. Grigoriadis

GASTROINTESTINAL, HEPATIC, PULMONARY, AND RENAL

Hypoxia-Inducible Factor Activation in Myeloid Cells Contributes to the Development of Liver Fibrosis in Cholestatic Mice
Bryan L. Coppie, Sophia Kaska, and Callie Wentling

Complement Activation in Acetaminophen-Induced Liver Injury in Mice
Rohit Singhal, Patricia E. Ganey, and Robert A. Roth

Pharmacologic Targeting of Bacterial β-Glucuronidase Alleviates Nonsteroidal Anti-Inflammatory Drug-Induced Enteropathy in Mice
Amanda LoGuidice, Bret D. Wallace, Lauren Bendel, Matthew R. Redinbo, and Urs A. Boelsterli

Prevention of Bleomycin-Induced Lung Fibrosis in Mice by a Novel Approach of Parallel Inhibition of Cyclooxygenase and Nitric-Oxide Donation Using NCX 466, a Prototype Cyclooxygenase Inhibitor and Nitric-Oxide Donor
Alessandro Pini, Serena Viappiani, Manlio Bolla, Emanuela Masini, and Daniele Bani
The Prostaglandin E₂ Type 4 Receptor Participates in the Response to Acute Oxidant Stress in Airway Epithelial Cells
Christina L. Jones, Tiesong Li, and Elizabeth A. Cowley

INFLAMMATION, IMMUNOPHARMACOLOGY, AND ASTHMA
Prevention of Trinitrobenzene Sulfonic Acid-Induced Experimental Colitis by Oral Administration of a Poly(lactic-coglycolic Acid) Microsphere Containing Prostaglandin E₂ Receptor Subtype 4 Agonist
Tatsuya Okamoto, Shinji Uemoto, and Yasuhiko Tabata

METABOLISM, TRANSPORT, AND PHARMACOGENOMICS
Brain Distribution of Cediranib Is Limited by Active Efflux at the Blood-Brain Barrier
Tianli Wang, Sagar Agarwal, and William F. Elmquist

Pharmacokinetic Characterization of Amrubicin Cardiac Safety in an Ex Vivo Human Myocardial Strip Model. I. Amrubicin Accumulates to a Lower Level than Doxorubicin or Epirubicin
Emanuela Salvatorelli, Pierantonio Menna, Sekhar Surapaneni, Sharon L. Aukerman, Massimo Chello, Elvio Covino, Victoria Sung, and Giorgio Minotti

Pharmacokinetic Characterization of Amrubicin Cardiac Safety in an Ex Vivo Human Myocardial Strip Model. II. Amrubicin Shows Metabolic Advantages over Doxorubicin and Epirubicin
Emanuela Salvatorelli, Pierantonio Menna, Odalys Gonzalez Paz, Sekhar Surapaneni, Sharon L. Aukerman, Massimo Chello, Elvio Covino, Victoria Sung, and Giorgio Minotti

NEUROPHARMACOLOGY
Comparison of ΔFosB Immunoreactivity Induced by Vagal Nerve Stimulation with That Caused by Pharmacologically Diverse Antidepressants
Havan Furmaga, Mohona Sadhu, and Alan Frazer

Transmembrane Potential Polarization, Calcium Influx, and Receptor Conformational State Modulate the Sensitivity of the Imidacloprid-Insensitive Neuronal Insect Nicotinic Acetylcholine Receptor to Neonicotinoid Insecticides
Béatrice Bodereau-Dubois, Olivier List, Delphine Calas-List, Olivier Marques, Pierre-Yves Communal, Steve H. Thany, and Bruno Lapied

VUF10166, a Novel Compound with Differing Activities at 5-HT₃A and 5-HT₃AB Receptors
A. J. Thompson, M. H. P. Verheij, I. J. P. de Esch, and S. C. R. Lummis

Species Comparison and Pharmacological Characterization of Human, Monkey, Rat, and Mouse TRPA1 Channels
Bruce R. Bianchi, Xu-Feng Zhang, Regina M. Reilly, Philip R. Kyn, Betty B. Yao, and Jun Chen

Phosphodiesterase 9A Regulates Central cGMP and Modulates Responses to Cholinergic and Monoaminergic Perturbation In Vivo

Characterization of Seizures Induced by Acute and Repeated Exposure to Tetramethylenedisulfotetramine
Dorota Zolkowska, Christopher N. Banks, Ashish Dhir, Bora Inceoglu, James R. Sanborn, Mark R. McCoy, Donald A. Bruun, Bruce D. Hammock, Pamela J. Lein, and Michael A. Rogawski

Methylphenidate Modifies Overflow and Presynaptic Compartmentalization of Dopamine via an α-Synuclein-Dependent Mechanism
Heramb Chadhanchakar, Jouni Ihavainen, Heikki Tanila, and Leonid Yavich

α₁ Receptor Agonist SKF10047 Inhibits Glutamate Release in Rat Cerebral Cortex Nerve Endings
Cheng-Wei Lu, Tzu-Yu Lin, Chia-Chuan Wang, and Su-Jane Wang

Charge and Geometry of Residues in the Loop 2 β Hairpin Differentially Affect Agonist and Ethanol Sensitivity in Glycine Receptors
Daya I. Perkins, James R. Trudell, Liana Asatryan, Daryl L. Davies, and Ronald L. Alkana

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

About the cover: Microarray analysis of CD133(+/−) cells from ATC tissues. See the article by Tseng et al. on page 410 of this issue.