# HIGHLIGHTED PAPERS

## BEHAVIORAL PHARMACOLOGY

1. **JWH-018 and JWH-073: Δ⁹-Tetrahydrocannabinol-Like Discriminative Stimulus Effects in Monkeys**
   Brett C. Ginsburg, David R. Schulze, Lenka Hruba, and Lance R. McMahon

2. **Synergistic Self-Administration of Ethanol and Cocaine Directly into the Posterior Ventral Tegmental Area: Involvement of Serotonin-3 Receptors**
   Zheng-Ming Ding, Scott M. Oster, Sheketha R. Hauser, Jamie E. Toalston, Richard L. Bell, William J. McBride, and Zachary A. Rodd

## CARDIOVASCULAR

1. **Differential Modulation of Brainstem Phosphatidylinositol 3-Kinase/Akt and Extracellular Signal-Regulated Kinase 1/2 Signaling Underlies WIN55,212-2 Centrally Mediated Pressor Response in Conscious Rats**
   Badr Mostafa Ibrahim and Abdel A. Abdel-Rahman

2. **Atrial-Selective Sodium Channel Block Strategy to Suppress Atrial Fibrillation: Ranolazine versus Propafenone**
   Alexander Burashnikov, Luiz Belardinelli, and Charles Antzelevitch

3. **Histamine 3 Receptor Activation Reduces the Expression of Neuronal Angiotensin II Type 1 Receptors in the Heart**
   Narumi Hashikawa-Hobara, Noel Yan-Ki Chan, and Roberto Levi

## CELLULAR AND MOLECULAR

1. **Adenylate Cyclase/cAMP/Protein Kinase A Signaling Pathway Inhibits Endothelin Type A Receptor-Operated Ca²⁺ Entry Mediated via Transient Receptor Potential Canonical 6 Channels**
   Takahiro Horinouchi, Tsunami Higa, Hiroyuki Aoyagi, Tadashi Nishiya, Koji Terada, and Soichi Miwa

## DRUG DISCOVERY AND TRANSLATIONAL MEDICINE

1. **The Fate of Bacterial Cocaine Esterase (CocE): An In Vivo Study of CocE-Mediated Cocaine Hydrolysis, CocE Pharmacokinetics, and CocE Elimination**

2. **Small Molecule Positive Allosteric Modulation of TRPV1 Activation by Vanilloids and Acidic pH**
   Krisztian Kaszas, Jason M. Keller, Claudio Coddou, Santosh K. Mishra, Mark A. Hoon, Stanko Stojilkovic, Kenneth A. Jacobson, and Michael J. Iadarola

## ENDOCRINE AND DIABETES

1. **Beneficial Effects of PK5275-055, a Novel, Selective, Orally Bioavailable, Long-Acting Dipeptidyl Peptidase IV Inhibitor in Streptozotocin-Induced Diabetic Peripheral Neuropathy**

## GASTROINTESTINAL, HEPATIC, PULMONARY, AND RENAL

1. **Heme Oxygenase-1 Alleviates Mouse Hepatic Failure through Suppression of Adaptive Immune Responses**
   Qiaoli Gu, Qiong Wu, Min Jin, Yichuan Xiao, Jingwei Xu, Chaoming Mao, Fang Zhao, Yi Zhang, and Yanyun Zhang
INFLAMMATION, IMMUNOPHARMACOLOGY, AND ASTHMA

Arthritic Joint-Targeting Small Interfering RNA-Encapsulated Liposome: Implication for Treatment Strategy for Rheumatoid Arthritis
Yukiko Komano, Nobuhiro Yagi, Ikumi Onoue, Kayoko Kaneko, Nobuyuki Miyasaka, and Toshihiro Nanki

METABOLISM, TRANSPORT, AND PHARMACOGENOMICS

Analysis of R- and S-Hydroxywarfarin Glucuronidation Catalyzed by Human Liver Microsomes and Recombinant UDP-Glucuronosyltransferases
Stacie M. Bratton, Carrie M. Mosher, Farid Khallouki, Moshe Finel, Michael H. Court, Jeffery H. Moran, and Anna Radominska-Pandya

Expression of ATP-Binding Cassette Membrane Transporters in Rodent and Human Sertoli Cells: Relevance to the Permeability of Antiretroviral Therapy at the Blood-Testis Barrier
Kevin R. Robillard, Md. Tozammel Hoque, and Reina Bendayan

NEUROPHARMACOLOGY

GABA<sub>B</sub> Receptor-Positive Modulators: Brain Region-Dependent Effects
Julie G. Hensler, Tushar Advani, Teresa F. Burke, Kejun Cheng, Kenner C. Rice, and Wouter Koek

Pleiotropic Opioid Regulation of Spinal Endomorphin 2 Release and Its Adaptations to Opioid Withdrawal Are Sexually Dimorphic
Sumita Chakrabarti, Nai-Jiang Liu, James E. Zadina, Tarak Sharma, and Alan R. Gintzler

Effects of Repeated 3,4-Methylenedioxyamphetamine Administration on Neurotransmitter Efflux and Sensory-Evoked Discharge in the Ventral Posterior Medial Thalamus
M. A. Starr, M. E. Page, and B. D. Waterhouse

CEP-26401 (Irdablsant), a Potent and Selective Histamine H<sub>3</sub> Receptor Antagonist/Inverse Agonist with Cognition-Enhancing and Wake-Promoting Activities

Ethanol Inhibition of Constitutively Open N-Methyl-D-Aspartate Receptors
Minfu Xu, C. Thetford Smothers, James Trudell, and John J. Woodward

TOXICOLOGY

Acetaminophen-Induced Hepatotoxicity and Protein Nitration in Neuronal Nitric-Oxide Synthase Knockout Mice
Rakhee Agarwal, Leah Bennings, Tonya M. Rafferty, Lynda G. Leitzig, Sandra McCullough, Laura P. James, Lee Ann MacMillan-Crow, and Jack A. Hinson

Angiotensin II Type 1 Receptor Antagonist Attenuates Lung Fibrosis in Hyperoxia-Exposed Newborn Rats
Hsiu-Chu Chou, Yaw-Dong Lang, Leng-Fang Wang, Tzu-Ying Wu, Yu-Fang Hsieh, and Chung-Ming Chen

Role of Mitochondrial Oxidants in an In Vitro Model of Sepsis-Induced Renal Injury
Elina Pathak, Lee Ann MacMillan-Crow, and Philip R. Mayeux

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

About the cover: Accumulation of systemically administered siRNA/WS in arthritic sites. See the article by Komano et al. on page 109 of this issue.