HIGHLIGHTED PAPERS

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PERSPECTIVES IN PHARMACOLOGY

Mitochondrial Permeability Transition Pore Opening as a Promising Therapeutic Target in Cardiac Diseases

Sabzali Javadov, Morris Karmazyn, and Nelson Escobales

BEHAVIORAL PHARMACOLOGY

Behavioral Effects of γ-Hydroxybutyrate, Its Precursor γ-Butyrolactone, and GABA_B Receptor Agonists: Time Course and Differential Antagonism by the GABA_B Receptor Antagonist 3-Aminopropyl(diethoxymethyl)phosphinic Acid (CGP35348)

Wouter Koek, Susan L. Mercer, Andrew Coop, and Charles P. France

Blockade of Endocannabinoid-Degrading Enzymes Attenuates Neuropathic Pain


CARDIOVASCULAR

3-(R)-(3-(2-Methoxyphenylthio-2-(S))-methylpropyl)amino-3,4-dihydro-2H-1,5-benzoxathiepine Bromhydrate (F 15845) Prevents Ischemia-Induced Heart Remodeling by Reduction of the Intracellular Na^+ Overload

Bruno Vie, Sylvie Sablayrolles, Robert Léttienne, Bernard Vacher, Amaaria Darmellah, Monique Bernard, Danielle Feuvray, and Bruno Le Grand

Early Combined Treatment with Cilostazol and Bone Marrow-Derived Endothelial Progenitor Cells Markedly Attenuates Pulmonary Arterial Hypertension in Rats

Cheuk-Kwan Sun, Fan-Yen Lee, Jiuann-Jye Sheu, Chun-Man Yuen, Sarah Chua, Sheng-Ying Chung, Han-Tan Chai, Yen-Ta Chen, Ying-Hsien Kao, Li-Teh Chang, and Hon-Kan Yip

Mechanism of Differential Cardiovascular Response to Propofol in Dahl Salt-Sensitive, Brown Norway, and Chromosome 13-Substituted Consomic Rat Strains: Role of Large Conductance Ca^{2+} and Voltage-Activated Potassium Channels

Anna Stadnicka, Stephen J. Contney, Carol Moreno, Dorothee Weihrauch, Zeljko J. Bosnjak, Richard J. Roman, and Thomas A. Stekiel

Proton Acts as a Neurotransmitter for Nicotine-Induced Adrenergic and Calcitonin Gene-Related Peptide-Containing Nerve-Mediated Vasodilation in the Rat Mesenteric Artery

Hiromu Kawasaki, Shinji Eguchi, Satoko Miyashita, Shu Chen, Kazuhiro Hirai, Narumi Hobar, Ayako Yokomizo, Hidetoshi Fujiiwara, Yoshito Zamami, Toshihiro Koyama, Xin Jin, and Yoshihisa Kitamura

cGMP-Hydrolytic Activity and Its Inhibition by Sildenafil in Normal and Failing Human and Mouse Myocardium

Fabrice Vandeput, Judith Krall, Runci Ockail, Fadi N. Salloum, Jackie Corbin, Sharron Francis, and Matthew A. Movsesian
METABOLISM, TRANSPORT, AND PHARMACOGENOMICS

Arbaclofen Placarbil, a Novel R-Baclofen Prodrug: Improved Absorption, Distribution, Metabolism, and Elimination Properties Compared with R-Baclofen
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The Pharmacologic Basis for Antibody-Auristatin Conjugate Activity
Stephen C. Alley, Xinqun Zhang, Nicole M. Okeley, Martha Anderson, Che-Leung Law, Peter D. Senter, and Dennis R. Benjamin

P-glycoprotein and Breast Cancer Resistance Protein Influence Brain Distribution of Dasatinib
Ying Chen, Sagar Agarwal, Naveed M. Shaik, Cliff Chen, Zheng Yang, and William F. Elmquist

NEUROPHARMACOLOGY

Intranasal Deferoxamine Provides Increased Brain Exposure and Significant Protection in Rat Ischemic Stroke

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Gianluigi Tanda, Amy Hauck Newman, Aaron L. Ebbs, Valeria Tronci, Jennifer L. Green, Ronald J. Tallarida, and Jonathan L. Katz

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Suneeta Tumati, Henry I. Yamamura, Todd W. Vanderah, William R. Roeske, and Eva V. Varga

The Metabotropic Glutamate Receptor Subtype 5 Antagonist Fenobam Is Analgesic and Has Improved in Vivo Selectivity Compared with the Prototypical Antagonist 2-Methyl-6-(phenylethynyl)-pyridine
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Molecular Cloning and Pharmacological Characterization of Monkey MT1 and MT2 Melatonin Receptors Showing High Affinity for the Agonist Ramelteon
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Pharmacological Properties of 2-((R)-5-Chloro-4-methoxymethyl-indan-1-yl)-1H-imidazole (PF-3774076), a Novel and Selective α1A-Adrenergic Partial Agonist, in In Vitro and in Vivo Models of Urethral Function
Kelly Conlon, Clare Christy, Simon Westbrook, Gavin Whitlock, Lee Roberts, Alan Stobie, and Gordon McMurray

Targeting Prostaglandin E₂, EP1 Receptors Prevents Seizure-Associated P-glycoprotein Up-Regulation
Anton Pekcec, Bernadette Unkuru, Juli Schlichtiger, Jonna Soerensen, Anika M. S. Hartz, Björn Bauer, Erwin A. van Vliet, Jan A. Gorter, and Heidrun Potschka

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Zhu Li, Adam J. Prus, Jin Dai, and Herbert Y. Meltzer

ERRATA

Correction to “Central Nervous System Drug Disposition: The Relationship between in Situ Brain Permeability and Brain Free Fraction”

Correction to “The Relative Potency of Inverse Opioid Agonists and a Neutral Opioid Antagonist in Precipitated Withdrawal and Antagonism of Analgesia and Toxicity”

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

About the cover: Model of TNP-ATP and TNP-GTP binding to VC1:IIC2. See the article by Suryanarayana et al., on page 687 of this issue.