HIGHLIGHTED PAPERS

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PERSPECTIVES IN PHARMACOLOGY

Mechanisms of Cadmium-Induced Proximal Tubule Injury: New Insights with Implications for Biomonitoring and Therapeutic Interventions

Walter C. Prozialeck and Joshua R. Edwards

BEHAVIORAL PHARMACOLOGY

Roles of μ-Opioid Receptors and Nociceptin/Orphanin FQ Peptide Receptors in Buprenorphine-Induced Physiological Responses in Primates

Colette M. Cremeans, Erin Gruley, Donald J. Kyle, and Mei-Chuan Ko

Antagonism of Metabotropic Glutamate 1 Receptors Attenuates Behavioral Effects of Cocaine and Methamphetamine in Squirrel Monkeys

Cindy Achat-Mendes, Donna M. Platt, and Roger D. Spealman

CARDOVASCULAR

Carvedilol Enhances Mesenchymal Stem Cell Therapy for Myocardial Infarction via Inhibition of Caspase-3 Expression

Fatemat Hassan, Sarath Meduru, Kazuaki Taguchi, M. Lakshmi Kuppusamy, Mahmoud Mostafa, Pertinann Kuppusamy, and Mahmood Khan

Aldehyde Dehydrogenase Type 2 Activation by Adenosine and Histamine Inhibits Ischemic Norepinephrine Release in Cardiac Sympathetic Neurons: Mediation by Protein Kinase Cε

Pablo A. Robador, Nahid Seyedi, Noel Yan-Ki Chan, Kenichiro Koda, and Roberto Levi

Acute Myocardial Infarction Inhibits the Neurogenic Tachycardic and Vasopressor Response in Rats via Presynaptic Cannabinoid Type 1 Receptor

Radosław Rudź, Eberhard Schlicker, Urszula Baranowska, Justyna Marciniak, Piotr Karabowicz, and Barbara Malinowska

Rosiglitazone Improves Insulin Sensitivity and Baroreflex Gain in Rats with Diet-Induced Obesity

Ding Zhao, Belinda H. McCully, and Virginia L. Brooks

CELLULAR AND MOLECULAR

Structural Changes of Regulatory Domain Heterodimer of N-Methyl-D-aspartate Receptor Subunits GluN1 and GluN2B through the Binding of Spermine and Ipfenprodil

Hideyuki Tomitori, Akiko Suganami, Ryotaro Satki, Satomi Mizuno, Yuki Yoshizawa, Takashi Masuko, Yutaka Tamura, Kazuhiro Nishimura, Toshihiko Toida, Keith Williams, Keiko Kashiwagi, and Kazuei Igarashi

Modulation of Inflammation by Cicaderma Ointment Accelerates Skin Wound Healing

Christophe Morin, Audrey Roumegous, Gilles Carpentier, Véronique Barbier-Chassefière, Laure Garrigue-Antar, Stéphane Caredda, and José Courty

Cannabinoid Receptor Activation Correlates with the Proapoptotic Action of the β2-Adrenergic Agonist (R,R')-4-Methoxy-1-Naphthylfenoterol in HepG2 Hepatocarcinoma Cells

Rajib K. Paul, Anuradha Ramamoorthy, Jade Scheers, Robert P. Wersto, Lawrence Toll, Lucita Jimenez, Michel Bernier, and Irving W. Wainer

Δ-9,11 Modification of Glucocorticoids Dissociates Nuclear Factor-κB Inhibitory Efficacy from Glucocorticoid Response Element-Associated Side Effects

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The Anti-Inflammatory Fungal Compound (S)-Curvularin Reduces Proinflammatory Gene Expression in an In Vivo Model of Rheumatoid Arthritis

Nadine Schmidt, Julia Art, Ingrid Forsch, Anke Werner, Gerhard Erkel, Mathias Jung, Sven Horke, Hartmut Kleinert, and Andrea Pautz

A Potent and Selective Metabotropic Glutamate Receptor 4 Positive Allosteric Modulator Improves Movement in Rodent Models of Parkinson’s Disease

Emmanuel Le Poul, Christelle Boléa, Françoise Girard, Sonia Poli, Delphine Charvin, Brice Campo, Julien Bortoli, Abdhelak Bessif, Bin Luo, Amy Jo Koser, Lisa M. Hodge, Karen M. Smith, Anthony G. DiLella, Nigel Liverton, Fred Hess, Susan E. Browne, and Ian J. Reynolds

Sepantronium Bromide (YM155) Enhances Response of Human B-Cell Non-Hodgkin Lymphoma to Rituximab

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Chronic Treatment with a Broad-Spectrum Metalloproteinase Inhibitor, Doxycycline, Prevents the Development of Spontaneous Aortic Lesions in a Mouse Model of Vascular Ehlers-Danlos Syndrome

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Activation of Neurokinin-1 Receptors Increases the Excitability of Guinea Pig Dorsal Root Ganglion Cells

Xiulin Zhang, Claudio Pietra, Emanuela Lovati, and William C. de Groat

Involvement of Serine Protease and Proteinase-Activated Receptor 2 in Dermatophyte-Associated Itch in Mice

Tsugunobu Andoh, Yusuke Takayama, Takako Yamakoshi, Jung-Bum Lee, Ayako Sano, Tadamichi Shimizu, and Yasushi Kuwaiishi

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Proteasome Inhibition Reduces Proliferation, Collagen Expression, and Inflammatory Cytokine Production in Nasal Mucosa and Polyp Fibroblasts

Laura Pujols, Laura Fernández-Bertolín, Mireya Fuentes-Prado, Isam Aloibid, Jordi Roca-Ferrer, Neus Agell, Joaquim Mullol, and César Picado

P-Glycoprotein Is a Major Determinant of Norbuprenorphine Brain Exposure and Antinociception

Sarah M. Brown, Scott D. Campbell, Amanda Crafford, Karen J. Regina, Michael J. Holtzman, and Evan D. Kharasch

In Vitro Evaluation of Major In Vivo Drug Metabolic Pathways Using Primary Human Hepatocytes and HepaRG Cells in Suspension and a Dynamic Three-Dimensional Bioreactor System

Malin Darnell, Maria Ulvestad, Ewa Ellis, Lars Weidolf, and Tommy B. Andersson

Evaluation of Organic Anion-Transporting Polypeptide 1B1 and CYP3A4 Activities in Primary Human Hepatocytes and HepaRG Cells Cultured in a Dynamic Three-Dimensional Bioreactor System

Maria Ulvestad, Malin Darnell, Espen Molden, Ewa Ellis, Anders Åsberg, and Tommy B. Andersson

Antagonism of Supraspinal Histamine H3 Receptors Modulates Spinal Neuronal Activity in Neuropathic Rats

Steve McGaraughty, Katharine L. Chu, Marlon D. Cowart, and Jorge D. Brioni
Effect of Fasudil, a Selective Inhibitor of Rho Kinase Activity, in the Secondary Injury Associated with the Experimental Model of Spinal Cord Trauma

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Pharmacological Properties and Procognitive Effects of ABT-288, a Potent and Selective Histamine H₃ Receptor Antagonist


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

About the cover: Modeling of spermine and ifenprodil binding to GluN1R and GluN2BR monomers. See the article by Tomitori et al. on page 82 of this issue.