**CARDIOVASCULAR**

Regulator of G Protein Signaling 6 Protects the Heart from Ischemic Injury


Niacin Promotes Cardiac Healing after Myocardial Infarction through Activation of the Myeloid Prostaglandin D2 Receptor Subtype 1

Deping Kong, Juanjuan Li, Yujun Shen, Guizhu Liu, Shengkai Zuo, Bo Tao, Yong Ji, Ankang Lu, Michael Lazarus, Richard M. Breyer, and Ying Yu

Factor XIIa as a Novel Target for Thrombosis: Target Engagement Requirement and Efficacy in a Rabbit Model of Microembolic Signals

Christopher M. Barbieri, Xinkang Wang, Weizhen Wu, Xueping Zhou, Aimie M. Ogawa, Kim O’Neill, Donald Chu, Gino Castriota, Dietmar A. Seiffert, David E. Gutstein, and Zhu Chen

Inhibition of Factor Xla Reduces the Frequency of Cerebral Microembolic Signals Derived from Carotid Arterial Thrombosis in Rabbits

Xinkang Wang, Stan Kurowski, Weizhen Wu, Gino A. Castriota, Xueping Zhou, Lin Chu, Kenneth P. Ellsworth, Donald Chu, Scott Edmondson, Amjad Ali, Patrick Andre, Dietmar Seiffert, Mark Erion, David E. Gutstein, and Zha Chen

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Regulation of Chemokine Signal Integration by Activator of G-Protein Signaling 4 (AGS4)


**DRUG DISCOVERY AND TRANSLATIONAL MEDICINE**

Characterizing Gemcitabine Effects Administered as Single Agent or Combined with Carboplatin in Mice Pancreatic and Ovarian Cancer Xenographs: A Semimechanistic Pharmacokinetic/Pharmacodynamics Tumor Growth-Response Model

Maria Garcia-Cremades, Celine Pitou, Philip W. Iversen, and Iñaki F. Troconiz

**METABOLISM, TRANSPORT, AND PHARMACOGENOMICS**

Delineating the Role of Various Factors in Renal Disposition of Digoxin through Application of Physiologically Based Kidney Model to Renal Impairment Populations

Daniel Scotcher, Christopher R. Jones, Aleksandra Galetin, and Amin Rostami-Hodjegan

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Inhibition of Leukotriene B4 Action Mitigates Intracerebral Hemorrhage-Associated Pathological Events in Mice

Masanori Hijioka, Junpei Anan, Hayato Ishibashi, Yuki Kurauchi, Akinori Hisatsune, Takahiro Seki, Tomoaki Koga, Takehiko Yokomito, Takao Shinizu, and Hiroshi Katsuki

Dissecting the Influence of Two Structural Substituents on the Differential Neurotoxic Effects of Acute Methamphetamine and Mephedrone Treatment on Dopamine Nerve Endings with the Use of 4-Methylmethamphetamine and Methcathinone

John H. Anneken, Mariana Angoa-Pérez, Girish C. Sati, David Crich, and Donald M. Kuhn

Quantification of ONO-2952 Occupancy of 18-kDaTranslocator Protein in Conscious Monkey Brains using Positron Emission Tomography

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TOXICOLOGY

Activation of Nrf2 Reduces UVA-Mediated MMP-1 Upregulation via MAPK/AP-1 Signaling Cascades: The Photoprotective Effects of Sulforaphane and Hispidulin

Anyamanee Chaiprasongsuk, Jinaphat Lohakul, Kitipong Soontrapa, Somponnat Sampattavanich, Pravit Akarasereenont, and Uraiwan Panich

LETTERS TO THE EDITOR

Rosuvastatin and Its Evolving Role as a Vascular Remodeling and Antiproliferative Agent in Different Systemic Malignancies

Shailendra Kapoor

Supplemental material is available at jpet.aspetjournals.org.

About the cover: Simulated digoxin CLR (A) and C max, PT-1 (B) at different input values for the kidney transporter kinetic parameters. See the article by Scotcher et al (dx.doi.org/10.1124/jpet.116.237438).