MINIREVIEW
Remote Communication through Solute Carriers and ATP Binding Cassette Drug Transporter Pathways: An Update on the Remote Sensing and Signaling Hypothesis
Wei Wu, Ankur V. Dnyanmote, and Sanjay K. Nigam

ARTICLES
Involvement of Caveolin in Probucol-Induced Reduction in hERG Plasma-Membrane Expression
Jun Guo, Xian Li, Heidi Shallow, Jianmin Xu, Tonghua Yang, Hamid Massaeli, Wentao Li, Tao Sun, Grant N. Pierce, and Shetuan Zhang

A Common Mechanism Links Differently Acting Complex II Inhibitors to Cardioprotection: Modulation of Mitochondrial Reactive Oxygen Species Production
Stefan Droese, Lea Bleier, and Ulrich Brandt

A Mechanistic and Structural Analysis of the Inhibition of the 90-kDa Heat Shock Protein by the Benzoquinone and Hydroquinone Ansamycins
Philip Reigan, David Siegel, Wenchang Guo, and David Ross

Immunosuppressor FK506 Increases Endoglin and Activin Receptor-Like Kinase 1 Expression and Modulates Transforming Growth Factor-β1 Signaling in Endothelial Cells
Virginia Albinaña, Francisco Sanz-Rodríguez, Lucia Recio-Poveda, Carmelo Bernabéu, and Luisa M. Botella

Early Failure of N-Methyl-D-aspartate Receptors and Deficient Spine Formation Induced by Reduction of Regulator Heme in Neurons
Tatyana Chernova, Joern R. Steinert, Paul Richards, Rajendra Mistry, R. A. John Challiss, Rebekah Jukes-Jones, Kelvin Cain, Andrew G. Smith, and Ian D. Forsythe

The Role of Transmembrane Domain 3 in the Actions of Orthosteric, Allosteric, and Atypical Agonists of the M₄ Muscarinic Acetylcholine Receptor
Katie Leach, Anna E. Davey, Christian C. Felder, Patrick M. Sexton, and Arthur Christopoulos

Local Anesthetic Inhibits Hyperpolarization-Activated Cationic Currents
Qing-tao Meng, Zhong-yuan Xia, Jin Liu, Douglas A. Bayliss, and Xiangdong Chen

Molecular Pharmacology (ISSN 0026-895X) is published monthly (two volumes per year beginning in January and July) by the American Society for Pharmacology and Experimental Therapeutics, 9650 Rockville Pike, Bethesda, MD 20814-3995; e-mail: subscriptions@aspet.org; Web site: aspet.org. Periodicals postage paid at Bethesda, MD, and at additional mailing offices. POSTMASTER: Send address changes to Molecular Pharmacology, 9650 Rockville Pike, Bethesda, MD 20814-3995. Subscription rates: U.S.: $714; outside the U.S.: $806. Single copy: $63. GST Tax Number for Canadian subscribers: BN:13489 2330 RT. Indexed or abstracted by Biochemistry & Biophysics Citation Index®, Biological Abstracts, Current Awareness in Biological Sciences, Current Contents®/Life Sciences, EMBASE/Excerpta Medica, Index Medicus, Medical Documentation Service®, Reference Update®, Research Alerts®, Science Citation Index®, and SciSearch®. Copyright © 2011 by the American Society for Pharmacology and Experimental Therapeutics. All rights reserved. Printed in the U.S.A.
Quantitative Analysis Reveals Multiple Mechanisms of Allosteric Modulation of the mGlu5 Receptor in Rat Astroglia
Sophie J. Bradley, Christopher J. Langmead, Jeannette M. Watson, and R. A. John Challiss 874

Mucin 1 C-Terminal Subunit Oncoprotein Is a Target for Small-Molecule Inhibitors
Yongchun Zhou, Hasan Rajabi, and Donald Kufe 886

ERRATUM
Correction to “Copper Transporter 2 Regulates Endocytosis and Controls Tumor Growth and Sensitivity to Cisplatin In Vivo” 894

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

About the cover: Structures and binding sites of inhibitors within complex II. See the article by Dröse et al. on page 814 of this issue.