

MOLECULAR PHARMACOLOGY

August 2014

Volume 86

Number 2

molpharm.aspetjournals.org

ISSN 1521-0111

ARTICLES

- Regulation of Human CYP2C9 Expression by Electrophilic Stress Involves Activator Protein 1 Activation and DNA Looping
Ngome L. Makia, Sailesh Surapureddi, Katalin Monostory, Russell A. Prough, and Joyce A. Goldstein 125
- Label-Free Monitoring of μ -Opioid Receptor-Mediated Signaling
Philippe Bourassa, Hanieh Bagheri Tudashki, Graciela Pineyro, Michel Grandbois, and Louis Gendron 138
- Angiotensin II and Canonical Transient Receptor Potential-6 Activation Stimulate Release of a Signal Transducer and Activator of Transcription 3-Activating Factor from Mouse Podocytes
Mousa Abkhezr and Stuart E. Dryer 150
- Gating-Pore Currents Demonstrate Selective and Specific Modulation of Individual Sodium Channel Voltage-Sensors by Biological Toxins
Yucheng Xiao, Kenneth Blumenthal, and Theodore R. Cummins 159
- A Novel Pathway for Arsenic Elimination: Human Multidrug Resistance Protein 4 (MRP4/ABCC4) Mediates Cellular Export of Dimethylarsinic Acid (DMA^V) and the Diglutathione Conjugate of Monomethylarsonous Acid (MMA^{III})
Mayukh Banerjee, Michael W. Carew, Barbara A. Roggenbeck, Brayden D. Whitlock, Hua Naranmandura, X. Chris Le, and Elaine M. Leslie 168
- Molecular Mechanisms of Methocitramine Binding and Selectivity at Muscarinic Acetylcholine Receptors
Jan Jakubík, Pavel Zimčík, Alena Randáková, Květoslava Fuksová, Esam E. El-Fakahany, and Vladimír Doležal 180
- Poisoning of Mitochondrial Topoisomerase I by Lamellarin D
Salim Khiati, Yeonee Seol, Keli Agama, Ilaria Dalla Rosa, Surbhi Agrawal, Katherine Fesen, Hongliang Zhang, Keir C. Neuman, and Yves Pommier 193
- Complex Pharmacology of Novel Allosteric Free Fatty Acid 3 Receptor Ligands
Brian D. Hudson, Elisabeth Christiansen, Hannah Murdoch, Laura Jenkins, Anders Højgaard Hansen, Ole Madsen, Trond Ulven, and Graeme Milligan 200
- Long-Term Channel Block Is Required to Inhibit Cellular Transformation by Human Ether-à-Go-Go-Related Gene (hERG1) Potassium Channels
David M. Pier, George S. G. Shehatou, Susan Giblett, Christine E. Pullar, Derek J. Trezise, Catrin A. Pritchard, R. A. John Challiss, and John S. Mitcheson 211
- Modeling the Effects of β_1 -Adrenergic Receptor Blockers and Polymorphisms on Cardiac Myocyte Ca²⁺ Handling
Robert K. Amanfu and Jeffrey J. Saucerman 222

Supplemental material is available online at <http://molpharm.aspetjournals.org>.

About the cover: Modeling of selected inhibitors in the DNPEP active site. See the article by Chen et al., ([dx.doi.org/10.1124/mol.114.093070](https://doi.org/10.1124/mol.114.093070)).