## MOLECULAR

## PHARMACOLOGY

June 2010 Volume 77 Number 6 molpharm.aspetjournals.org ISSN 0026-895X **MINIREVIEWS** Copper Transporters and the Cellular Pharmacology of the Platinum-Containing Cancer Drugs Stephen B. Howell, Roohangiz Safaei, Christopher A. Larson, and Michael J. Sailor 887 ARTICLES S High-Throughput Multiplexed Transcript Analysis Yields Enhanced Resolution of 5-Hydroxytryptamine  $_{\rm 2C}$  Receptor mRNA Editing Profiles Michael V. Morabito, Randi J. Ulbricht, Richard T. O'Neil, David C. Airey, Pengcheng Lu, Bing Zhang, Lily Wang, and Ronald B. Emeson 895 The Angiotensin II Type 1 Receptor Induces Membrane Blebbing by Coupling to Rho A, Rho Kinase, and Myosin Light Chain Kinase Christina M. Godin and Stephen S. G. Ferguson 903 Regulation of Copper Transporter 2 Expression by Copper and Cisplatin in Human Ovarian Carcinoma Brian G. Blair, Christopher A. Larson, Preston L. Adams, Paolo B. Abada, Roohangiz Safaei, and Stephen B. Howell 912 Correction of the ΔPhe508 Cystic Fibrosis Transmembrane Conductance Regulator Trafficking Defect by the Bioavailable Compound Glafenine Renaud Robert, Graeme W. Carlile, Jie Liao, Haouaria Balghi, Pierre Lesimple, Na Liu, Bart Kus, Daniela Rotin, Martina Wilke, Hugo R. de Jonge, Bob J. Scholte, David Y. Thomas, and John W. Hanrahan 922 S A Molecular Model of the Human UDP-Glucuronosyltransferase 1A1, Its Membrane Orientation, and the Interactions between Different Parts of the Enzyme Liisa Laakkonen and Moshe Finel 931

S Pharmacochaperoning of the A<sub>1</sub> Adenosine Receptor Is Contingent on the Endoplasmic Reticulum

Laura Málaga-Diéguez, Qiong Yang, Jan Bauer, Halyna Pankevych, Michael Freissmuth, and

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.: \$707.00; outside the U.S.: \$799.00. Single copy: \$63.00. GST Tax Number for Canadian sub-

Christian Nanoff

scribers: 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 Alert®, Science Citation Index®, and SciSearch®. Copyright © 2010 by the American Society for Pharmacology and Experimental Therapeutics. All rights reserved. Printed in the U.S.A.

940

	Genetic and Functional Analysis of Human P2X5 Reveals a Distinct Pattern of Exon 10 Polymorphism with Predominant Expression of the Nonfunctional Receptor Isoform Smita Kotnis, Brendan Bingham, Dmitry V. Vasilyev, Scott W. Miller, Yuchen Bai, Sarita Yeola, Pranab K. Chanda, Mark R. Bowlby, Edward J. Kaftan, Tarek A. Samad, and Garth T. Whiteside	953
	Identification of Hydroxyxanthones as Na/K-ATPase Ligands  Zhongbing Zhang, Zhichuan Li, Jiang Tian, Wei Jiang, Yin Wang, Xiaojin Zhang, Zhuorong Li,  Qidong You, Joseph I. Shapiro, Shuyi Si, and Zijian Xie	961
	Priming of Signal Transducer and Activator of Transcription Proteins for Cytokine-Triggered Polyubiquitylation and Degradation by the A <sub>2A</sub> Adenosine Receptor Mohammed M. A. Safhi, Claire Rutherford, Catherine Ledent, William A. Sands, and Timothy M. Palmer	968
S	Asymmetric Acetylation of the Cyclooxygenase-2 Homodimer by Aspirin and Its Effects on the Oxygenation of Arachidonic, Eicosapentaenoic, and Docosahexaenoic Acids Narayan P. Sharma, Liang Dong, Chong Yuan, Kathleen R. Noon, and William L. Smith	979
	Up-Regulation of Human CYP2J2 in HepG2 Cells by Butylated Hydroxyanisole Is Mediated by c-Jun and Nrf2  Andy C. Lee and Michael Murray	987
S	Binding of Inositol 1,4,5-trisphosphate (IP <sub>3</sub> ) and Adenophostin A to the N-Terminal region of the IP <sub>3</sub> Receptor: Thermodynamic Analysis Using Fluorescence Polarization with a Novel IP <sub>3</sub> Receptor Ligand  Zhao Ding, Ana M. Rossi, Andrew M. Riley, Taufiq Rahman, Barry V. L. Potter, and Colin W. Taylor	995
S	PAR1 and PAR2 Couple to Overlapping and Distinct Sets of G Proteins and Linked Signaling Pathways to Differentially Regulate Cell Physiology Kelly L. McCoy, Stephen F. Traynelis, and John R. Hepler	1005
S	MicroRNA-34a Inhibits Cell Proliferation by Repressing Mitogen-Activated Protein Kinase Kinase 1 during Megakaryocytic Differentiation of K562 Cells Atsuhiko Ichimura, Yoshinao Ruike, Kazuya Terasawa, Kazuharu Shimizu, and Gozoh Tsujimoto	1016
	EP1 Prostanoid Receptor Coupling to $G_{i/o}$ Up-Regulates the Expression of Hypoxia-Inducible Factor- $1\alpha$ through Activation of a Phosphoinositide-3 Kinase Signaling Pathway Ruyue Ji, Chih-Ling Chou, Wei Xu, Xiao-Bo Chen, David F. Woodward, and John W. Regan	1025
	Amino Acid Substitutions in the Aryl Hydrocarbon Receptor Ligand Binding Domain Reveal YH439 As an Atypical AhR Activator Fiona Whelan, Nan Hao, Sebastian G. Furness, Murray L. Whitelaw, and Anne Chapman-Smith	1037