The Human Concentrative Nucleoside Transporter-3 C602R Variant Shows Impaired Sorting to Lipid Rafts and Altered Specificity for Nucleoside-Derived Drugs

Ekaitz Errasti-Murugarren, Miriam Molina-Arcas, F. Javier Casado, and Marçal Pastor-Anglada

Survival of Human Multiple Myeloma Cells Is Dependent on MUC1 C-Terminal Transmembrane Subunit Oncoprotein Function

Li Yin, Rehan Ahmad, Michio Kosugi, Turner Kufe, Baldev Vasir, David Avigan, Surender Kharbanda, and Donald Kufe

Aryl Hydrocarbon Receptor Is a Transcriptional Activator of the Human Breast Cancer Resistance Protein (BCRP/ABCG2)

Kah Poh Tan, Bernice Wang, Mingdong Yang, Paul C. Boutros, Jane MacAulay, Haibo Xu, Andrew I. Chuang, Kazuhiro Kosuge, Mika Yamamoto, Shinichiro Takahashi, Alex M. L. Wu, Douglas D. Ross, Patricia A. Harper, and Shinya Ito

Post-Transcriptional Control of Human Ether-a-go-go-Related Gene Potassium Channel Protein by α-Adrenergic Receptor Stimulation

Jian Chen, Kun Chen, Jakub Sroubek, Zhi-Yuan Wu, Dierk Thomas, Jin-Song Bian, and Thomas V. McDonald

Nicotinic Acetylcholine Receptor Transmembrane Mutations Convert Ivermectin from a Positive to a Negative Allosteric Modulator

Toby Collins and Neil S. Millar

Prediction of Functionally Selective Allosteric Interactions at an M3 Muscarinic Acetylcholine Receptor Mutant Using Saccharomyces cerevisiae

Gregory D. Stewart, Patrick M. Sexton, and Arthur Christopoulos

Stimulation of the Liver X Receptor Pathway Inhibits HIV-1 Replication via Induction of ATP-Binding Cassette Transporter A1

Matthew P. Morrow, Angela Grant, Zahedi Mujawar, Larisa Dubrovsky, Tatiana Pushkarsky, Yana Kiselyeva, Lucas Jennelle, Nigora Mukhamedova, Alan T. Remaley, Fatah Kashanchi, Dmitri Sviridov, and Michael Bukrinsky
Methyl 2-Cyano-3,12-dioxooleana-1,9-dien-28-oate Decreases Specificity Protein Transcription Factors and Inhibits Pancreatic Tumor Growth: Role of MicroRNA-27a
Indira Jutooru, Gayathri Chadalapaka, Maen Abdelrahim, Md Riyaz Basha, Ismael Samudio, Marina Konopleva, Michael Andreeff, and Stephen Safe

Octopamine Receptors from the Barnacle Balanus improvisus Are Activated by the α2-Adrenoceptor Agonist Medetomidine
Ulrika Lind, Magnus Alm Rosenblad, Linda Hasselberg Frank, Susanna Falkbring, Lars Brive, Jonne M. Laurila, Katarina Pohjanoksa, Anne Vuorenpää, Jyrki P. Kukkonen, Lina Gunnarsson, Mika Scheinin, Lena G. E. Märtensson Lindblad, and Anders Blomberg

Sensory Neuron-Specific Mas-Related Gene-X1 Receptors Resist Agonist-Promoted Endocytosis
Hans Jürgen Solinski, Ingrid Boekhoff, Michel Bouvier, Thomas Gudermann, and Andreas Breit

Preservation of Striatal Cannabinoid CB1 Receptor Function Correlates with the Antianxiety Effects of Fatty Acid Amide Hydrolase Inhibition
Silvia Rossi, Valentina De Chiara, Alessandra Musella, Lucia Sacchetti, Cristina Cantarella, Maura Castelli, Francesca Cavasinni, Caterina Motta, Valeria Studer, Giorgio Bernardi, Benjamin F. Cravatt, Mauro Maucarrone, Alessandro Usiello, and Diego Centonze

Deletion of Microsomal Cytochrome b5 Profoundly Affects Hepatic and Extrahepatic Drug Metabolism
Lesley A. McLaughlin, Sebastien Ronseaux, Robert D. Finn, Colin J. Henderson, and C. Roland Wolf

Enhanced Hypotensive, Bradycardic, and Hypnotic Responses to α2-Adrenergic Agonists in Spinophilin-Null Mice Are Accompanied by Increased G Protein Coupling to the α3A-Adrenergic Receptor

A Comparative Study of the Effects of the Intravenous Self-Administration or Subcutaneous Minipump Infusion of Nicotine on the Expression of Brain Neuronal Nicotinic Receptor Subtypes
Milena Moretti, Manolo Mugnaini, Michela Tessari, Michele Zoli, Annalisa Gaimarri, Irene Manfredi, Francesco Pistillo, Francesco Clementi, and Cecilia Gotti

Activation of Checkpoint Kinase 2 by 3,3′-Diindolylmethane Is Required for Causing G2/M Cell Cycle Arrest in Human Ovarian Cancer Cells
Prabodh K. Kandala and Sanjay K. Srivastava

Pim-1 Kinase Protects P-Glycoprotein from Degradation and Enables Its Glycosylation and Cell Surface Expression
Yingqiu Xie, Mehmet Burcu, Douglas E. Linn, Yun Qiu, and Maria R. Baer

A Small-Molecule Oxocarbazate Inhibitor of Human Cathepsin L Blocks Severe Acute Respiratory Syndrome and Ebola Pseudotype Virus Infection into Human Embryonic Kidney 293T cells
Parag P. Shah, Tianhua Wang, Rachel L. Kaletsky, Michael C. Myers, Jeremy E. Purvis, Huiyan Jing, Donna M. Huryn, Doron C. Greenbaum, Amos B. Smith III, Paul Bates, and Scott L. Diamond

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

About the cover: Representative images of membrane ruffling in CHO M3K7.32E mAChR cells. See the article by Stewart et al. on page 205 of this issue.