ACCELERATED COMMUNICATION

The RGS2 Gene Product from a Candidate Hypertension Allele Shows Decreased Plasma Membrane Association and Inhibition of Gq
Steven Gu, Sam Tirgari, and Scott P. Heximer

ARTICLES

A Single Amino Acid Difference between Ether-a-go-go-Related Gene Channel Subtypes Determines Differential Sensitivity to a Small Molecule Activator
Matthew Perry and Michael C. Sanguinetti

Rapamycin Inhibits Polyglutamine Aggregation Independently of Autophagy by Reducing Protein Synthesis
Matthew A. King, Sarah Hands, Farida Hafiz, Noboru Mizushima, Aviva M. Tolkovsky, and Andreas Wytenbach

Development of an Aryl Hydrocarbon Receptor Antagonist Using the Proteolysis-Targeting Chimeric Molecules Approach: A Potential Tool for Chemoprevention
Dinesh Puppala, Hyosung Lee, Kyung Bo Kim, and Hollie I. Swanson

Madin-Darby Canine Kidney II Cells: A Pharmacologically Validated System for NPC1L1-Mediated Cholesterol Uptake
Adam B. Weinglass, Martin G. Köhler, Emmanuel O. Nketiah, Jessica Liu, William Schmalhofer, Anu Thomas, Brande Williams, Lindsey Beers, Lauren Smith, Mike Hafey, Kelly Bleasby, Joseph Leone, Yui Sing Tang, Matthew Braun, Feroze Ujjainwalla, Margaret E. McCann, Gregory J. Kaczorowski, and Maria L. Garcia

Salicylate Alters the Expression of Calcium Response Transcription Factor 1 in the Cochlea: Implications for Brain-Derived Neurotrophic Factor Transcriptional Regulation
Wibke Singer, Rama Panford-Walsh, Dirk Watermann, Oliver Hendrich, Ulrike Zimmermann, Iris Köpschall, Karin Rohbock, and Marlies Knipper

Wide Turn Diversity in Protein Transmembrane Helices Implications for G-Protein-Coupled Receptor and Other Polytopic Membrane Protein Structure and Function
R. Peter Riek, Angela A. Finch, Gillian E. Begg, and Robert M. Graham
Dopamine and Ethanol Cause Translocation of εPKC Associated with εRACK: Cross-Talk between cAMP-Dependent Protein Kinase A and Protein Kinase C Signaling Pathways
Lina Yao, Peidong Fan, Zhan Jiang, Adrienne Gordon, Daria Mochly-Rosen, and Ivan Diamond

PPP1R16A, The Membrane Subunit of Protein Phosphatase 1β, Signals Nuclear Translocation of the Nuclear Receptor Constitutive Active/Androstane Receptor
Tatsuya Sueyoshi, Rick Moore, Junko Sugatani, Yonehiro Matsumura, and Masahiko Negishi

Improvement of Cyclophosphamide Activation by CYP2B6 Mutants: From in Silico to ex Vivo
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Effects of High-Affinity Inhibitors on Partial Reactions, Charge Movements, and Conformational States of the Ca²⁺ Transport ATPase (Sarco-Endoplasmic Reticulum Ca²⁺ ATPase)
Francesco Tadini-Buoninsegni, Gianluca Bartolommei, Maria Rosa Moncelli, Daniel M. Tal, David Lewis, and Giuseppe Inesi

Labeling of Dopamine Transporter Transmembrane Domain 1 with the Tropane Ligand N-[4-(4-Azido-3-[¹²⁵I]iodophenyl)butyl]-2β-carbethoxy-3β-(4-chlorophenyl)tropane Implicates Proximity of Cocaine and Substrate Active Sites
M. Laura Parnas, Jon D. Gaffaney, Mu Fa Zou, John R. Lever, Amy Hauck Newman, and Roxanne A. Vaughan

Organic Anion Transporter 2 (SLC22A7) Is a Facilitative Transporter of cGMP
Cheryl D. Cropp, Takafumi Komori, James E. Shima, Thomas J. Urban, Sook Wah Yee, Swati S. More, and Kathleen M. Giacomini

Structural Basis for Ether-a-go-go-Related Gene K⁺ Channel Subtype-Dependent Activation by Niflumic Acid
David Fernandez, John Sargent, Frank B. Sachse, and Michael C. Sanguinetti

OSU-03012 Stimulates PKR-Like Endoplasmic Reticulum-Dependent Increases in 70-kDa Heat Shock Protein Expression, Attenuating Its Lethal Actions in Transformed Cells

Arachidonic Acid Activates Kir2.3 Channels by Enhancing Channel–Phosphatidylinositol 4,5-bisphosphate Interactions
Chuan Wang, Uyenlinh L. Mirshahi, Boyi Liu, Zhanfeng Jia, Tooraj Mirshahi, and Hailin Zhang

α2 Subunit Specificity of Cyclothiazide Inhibition on Glycine Receptors
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Enhanced Excitation-Coupled Calcium Entry in Myotubes Expressing Malignant Hyperthermia Mutation R163C Is Attenuated by Dantrolene

A Novel Assay of Gβ-linked G Protein-Coupled Receptor Coupling to Potassium Channels Provides New Insights into the Pharmacology of the Group III Metabotropic Glutamate Receptors
Colleen M. Niswender, Kari A. Johnson, Qingwei Luo, Jennifer E. Ayala, Caroline Kim, P. Jeffrey Conn, and C. David Weaver

Activation of TRPA1 by Farnesyl Thiosalicylic Acid
Michael Maher, Hong Ao, Tue Banke, Nadia Nasser, Nyan-Tsz Wu, J. Guy Breitenbucher, Sandra R. Chaplan, and Alan D. Wickenden
Pharmacological and Kinetic Characterization of Adrenomedullin 1 and Calcitonin Gene-Related Peptide 1 Receptor Reporter Cell Lines
Frank Wunder, Annegret Rebmann, Andreas Geerts, and Bernd Kalthof

BYK191023 (2-[2-(4-Methoxy-pyridin-2-yl)-ethyl]-3H-imidazo[4,5-b]pyridine) Is an NADPH- and Time-Dependent Irreversible Inhibitor of Inducible Nitric-Oxide Synthase
Mauro Tiso, Andreas Strub, Christian Hesslinger, Claire T. Kenney, Rainer Boer, and Dennis J. Stuehr

Modulation of Na\(^{+}\)-Ca\(^{2+}\) Exchanger Expression by Immunosuppressive Drugs Is Isoform-Specific
Benayahu Elbaz, Ariella Alperovitch, Michael M. Gottesman, Chava Kimchi-Sarfaty, and Hannah Rahamimoff

Anti-HIV Activity and Resistance Profile of the CXC Chemokine Receptor 4 Antagonist POL3026
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Role of Lysine 411 in Substrate Carboxyl Group Binding to the Human Reduced Folate Carrier, as Determined by Site-Directed Mutagenesis and Affinity Inhibition
Yijun Deng, Zhanjun Hou, Lei Wang, Christina Cherian, Jianmei Wu, Aleem Gangjee, and Larry H. Matherly

Regulatory Cross-Talk between Drug Metabolism and Lipid Homeostasis: Constitutive Androstane Receptor and pregnane X Receptor Increase Insig-1 Expression
Adrian Roth, Renate Looser, Michel Kaufmann, Sharon M. Blättler, Franck Rencurel, Wendong Huang, David D. Moore, and Urs A. Meyer

Molecular Mechanisms Underlying the Synergistic Interaction of Erlotinib, an Epidermal Growth Factor Receptor Tyrosine Kinase Inhibitor, with the Multitargeted Antifolate Pemetrexed in Non–Small-Cell Lung Cancer Cells
Elisa Giovannetti, Clara Lemos, Christina Tekle, Kees Smid, Sara Nannizzi, José A. Rodriguez, Simona Ricciardi, Romano Danesi, Giuseppe Giaccone, and Godefridus J. Peters

Agonist-Specific Regulation of \(\mu\)-Opioid Receptor Desensitization and Recovery from Desensitization
Michael S. Virk and John T. Williams

Benzoxathiole Derivative Blocks Lipopolysaccharide-Induced Nuclear Factor-\(\kappa\)B Activation and Nuclear Factor-\(\kappa\)B-Regulated Gene Transcription through Inactivating Inhibitory \(\kappa\)B Kinase \(\beta\)
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Agonist-Promoted Lys63-Linked Polyubiquitination of the Human \(\kappa\)-Opioid Receptor Is Involved in Receptor Down-Regulation
Jian-Guo Li, Dale S. Haines, and Lee-Yuan Liu-Chen

ERRATUM
Correction to “Endocrine Regulation of Gender-Divergent Mouse Organic Anion-Transporting Polypeptide (Oatp) Expression”