PERSPECTIVES

OSU-03012 in the Treatment of Glioblastoma □
  James A. McCubrey, Michelle M. LaHair, and Richard A. Franklin

Chromatin Remodeling: A Novel Mechanism of Psychotropic Drug Action ◊
  Samuel S. Newton and Ronald S. Duman

Pharmacology Meets Vesicular Trafficking at a Central Nervous System Synapse: Pregabalin Effects on Synaptic Vesicle Cycling in Hippocampal Neurons ◎
  Ronald W. Holz

A Tail of Two Signals: The C Terminus of the A2A-Adenosine Receptor Recruits Alternative Signaling Pathways ★
  Ingrid Gsandtner and Michael Freissmuth

ACCELERATED COMMUNICATIONS

Cimetidine Induces Interleukin-18 Production through H2-Agonist Activity in Monocytes
  Hideo Kohka Takahashi, Takeshi Watanabe, Akira Yokoyama, Hiromi Iwagaki, Tadashi Yoshino, Noriaki Tanaka, and Masahiro Nishibori

ARTICLES

★ Rescue of p53 Blockage by the A2A Adenosine Receptor via a Novel Interacting Protein, Translin-Associated Protein X

◎ Pregabalin Reduces the Release of Synaptic Vesicles from Cultured Hippocampal Neurons
  Kristina D. Micheva, Charles P. Taylor, and Stephen J Smith

★ CYP2C76, a Novel Cytochrome P450 in Cynomolgus Monkey, Is a Major CYP2C in Liver, Metabolizing Tolbutamide and Testosterone
  Yasuhiro Uno, Hideki Fujino, Go Kito, Tetsuya Kamataki, and Ryoichi Nagata

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Fluoxetine and Cocaine Induce the Epigenetic Factors MeCP2 and MBD1 in Adult Rat Brain
*Suzanne Cassel, Delphine Carouge, Claire Gensburger, Patrick Anglard, Claude Burgun, Jean-Bernard Dietrich, Dominique Aunis, and Jean Zwiller*

Isoliquiritigenin Selectively Inhibits H₂ Histamine Receptor Signaling
*Dong-Chan Kim, Se-Young Choi, Sun-Hee Kim, Bong-Sik Yun, Ick-Dong Yoo, Nanga Ravi Prakash Reddy, Ho Sup Yoon, and Kyong-Tai Kim*

5'-O-Tritylated Nucleoside Derivatives: Inhibition of Thymidine Phosphorylase and Angiogenesis
*Sandra Liekens, Annelies Bronckaers, Ana-Isabel Hernández, Eva-Maria Priego, Elena Casanova, Maria-José Camarasa, María-Jesús Pérez-Pérez, and Jan Balzarini*

Lithium Inhibits Ceramide- and Etoposide-Induced Protein Phosphatase 2A Methylation, Bcl-2 Dephosphorylation, Caspase-2 Activation, and Apoptosis
*Chia-Ling Chen, Chiou-Feng Lin, Chi-Wu Chiang, Ming-Shiou Jan, and Yee-Shin Lin*

Transforming Growth Factor-β Receptor Type 1 (TGFβRI) Kinase Activity but Not p38 Activation Is Required for TGFβRI-Induced Myofibroblast Differentiation and Profibrotic Gene Expression
*Ann M. Kapoun, Nicholas J. Gaspar, Ying Wang, Debby Damn, Yu-Wang Liu, Gilbert O’Young, Diana Quon, Andrew Lam, Kimberly Munson, Thomas-Toan Tran, Jing Ying Ma, Alison Murphy, Sundeep Dugar, Sarvajit Chakravarty, Andrew A. Proter, Fu-Qiang Wen, Xiangde Liu, Stephen I. Rennard, and Linda Slanec Higgins*

Mammalian Tolloid Alters Subcellular Localization, Internalization, and Signaling of α₁a-Adrenergic Receptors
*Qi Xu, Ning Xu, Tan Zhang, Hui Zhang, Zijian Li, Feng Yin, Zhizhen Lu, Qide Han, and Youyi Zhang*

Regulation of Dopamine Transporter Trafficking by Intracellular Amphetamine
*Kristopher M. Kahlig, Brandon J. Lute, Yuqiang Wei, Claus J. Loland, Ulrik Gether, Jonathan A. Javitch, and Aurelio Galli*

Aryl Hydrocarbon Receptor Activation Produces Heart-Specific Transcriptional and Toxic Responses in Developing Zebrafish
*Sara A. Carney, Jing Chen, C. Geoffrey Burns, Kong M. Xiong, Richard E. Peterson, and Warren Heideman*

Discovery of a Novel Shp2 Protein Tyrosine Phosphatase Inhibitor
*Liwei Chen, Shen-Shu Sung, M. L. Richard Yip, Harshani R. Lawrence, Yuan Ren, Wayne C. Guida, Said M. Sebti, Nicholas J. Lawrence, and Jie Wu*

Mapping Residues in the Ligand-Binding Domain of the 5-HT₃ Receptor onto d-Tubocurarine Structure
*Dong Yan, Julia K. Meyer, and Michael M. White*

Tamoxifen and Raloxifene Differ in Their Functional Interactions with Aspartate 351 of Estrogen Receptor α
*Guila Dayan, Mathieu Lupien, Anick Auger, Silvia I. Anghel, Walter Rocha, Sébastien Croisetière, John A. Katzenellenbogen, and Sylvie Mader*

OSU-03012 Promotes Caspase-Independent but PERK-, Cathepsin B-, BID-, and AIF-Dependent Killing of Transformed Cells
*Adly Yacoub, Margaret A. Park, David Hanna, Young Hong, Clint Mitchell, Aditi P. Pandya, Hisashi Harada, Garth Powis, Ching-Shih Chen, Costas Koumenis, Steven Grant, and Paul Dent*

Oligomerization of Recombinant and Endogenously Expressed Human Histamine H₁ Receptors
*Richard M. van Rijn, Paul L. Chazot, Fiona C. Shenton, Kamonchanok Sansuk, Remko A. Bakker, and Rob Leurs*

A Novel Class of Positive Allosteric Modulators of Metabotropic Glutamate Receptor Subtype 1 Interact with a Site Distinct from That of Negative Allosteric Modulators
*Kamondanai Hemstapat, Tomas de Paulis, Yelin Chen, Ashley E. Brady, Vandana K. Grover, David Alagille, Gilles D. Tamagnan, and P. Jeffrey Conn*
Hepatocyte Nuclear Factor (HNF) 1 and HNF4 Mediate Hepatic Multidrug Resistance Protein 2 Up-Regulation during Hepatitis C Virus Gene Expression

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Polysaccharide Purified from Ganoderma lucidum Induces Gene Expression Changes in Human Dendritic Cells and Promotes T Helper 1 Immune Response in BALB/c Mice

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Agonist-Selective Mechanisms of μ-Opioid Receptor Desensitization in Human Embryonic Kidney 293 Cells

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Mechanisms of Cardiolipin Oxidation by Cytochrome c: Relevance to Pro- and Antiapoptotic Functions of Etoposide


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Cross-Talk between Gₛ- and Gₛ-Coupled Pathways in Regulation of Interleukin-4 by A₂B Adenosine Receptors in Human Mast Cells

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Alfred A. Lanzafame, Patrick M. Sexton, and Arthur Christopoulos

Divergent Activities of Human Glutathione Transferases in the Bioactivation of Azathioprine

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α4β2 Nicotinic Receptors with High and Low Acetylcholine Sensitivity: Pharmacology, Stoichiometry, and Sensitivity to Long-Term Exposure to Nicotine
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Supplemental material is available online at http://molpharm.aspetjournals.org.

About the cover: Molecular model of NSC-87877 binding to the Shp2 PTP domain. See the article by Chen et al. on page 562 of this issue.