PERSPECTIVE

Paradoxical Stimulatory Effects of the “Standard” Histamine H4-Receptor Antagonist JNJ7777120: the H4 Receptor Joins the Club of 7 Transmembrane Domain Receptors Exhibiting Functional Selectivity

Roland Seifert, Erich H. Schneider, Stefan Dove, Irena Brunskole, Detlef Neumann, Andrea Strasser, and Armin Buschauer

ARTICLES

• The High-Affinity cAMP-Specific Phosphodiesterase 8B Controls Steroidogenesis in the Mouse Adrenal Gland
  Li-Chun Lisa Tsai, Masami Shimizu-Albergine, and Joseph A. Beavo

• Molecular Determinants of Potent P2X2 Antagonism Identified by Functional Analysis, Mutagenesis, and Homology Docking
  Christian Wolf, Christiane Rosefort, Ghada Fallah, Matthias U. Kassack, Alexandra Hamacher, Mandy Bodnar, Haihong Wang, Peter Illes, Achim Kless, Gregor Bahrenberg, Günther Schmalzing, and Ralf Hausmann

• A State-Dependent Salt-Bridge Interaction Exists across the β/α Intersubunit Interface of the GABA<sub>A</sub> Receptor
  Kurt T. Laha and David A. Wagner

• The Tricyclic Antidepressant Amitriptyline Inhibits d-Cyclin Transactivation and Induces Myeloma Cell Apoptosis by Inhibiting Histone Deacetylases: In Vitro and In Silico Evidence
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Alexey Rossokhin, Tobias Dreker, Stephan Grissmer, and Boris S. Zhorov

Coupling to Polymeric Scaffolds Stabilizes Biofunctional Peptides for Intracellular Applications
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A Novel Defensive Mechanism against Acetaminophen Toxicity in the Mouse Lateral Nasal Gland: Role of CYP2A5-Mediated Regulation of Testosterone Homeostasis and Salivary Androgen-Binding Protein Expression
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Agonist-Biased Signaling at the Histamine H4 Receptor: JNJ7777120 Recruits β-Arrestin without Activating G Proteins
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ERRATUM
Correction to “Antipsychotic Drugs Regulate Hedgehog Signaling by Modulation of 7-Dehydrocholesterol Reductase Levels”

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

About the cover: Model of the Kv1.3 mutant A10C with two emopamil molecules. See the article by Rossokhin et al. on page 681 of this issue.