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April 2011 Volume 79 Number 4 molpharm.aspetjournals.org ISSN 0026-895X **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 631 **ARTICLES** S 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 639 S 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 649 \square A State-Dependent Salt-Bridge Interaction Exists across the β/α Intersubunit Interface of the GABA_A Receptor Kurt T. Laha and David A. Wagner 662 S The Tricyclic Antidepressant Amitriptyline Inhibits D-Cyclin Transactivation and Induces Myeloma Cell Apoptosis by Inhibiting Histone Deacetylases: In Vitro and In Silico Evidence Xinliang Mao, Tingjun Hou, Biyin Cao, Wenjie Wang, Zhihua Li, Suning Chen, Min Fei, Rose Hurren, Marcela Gronda, Depei Wu, Suzanne Trudel, and Aaron D. Schimmer 672 Why Does the Inner-Helix Mutation A413C Double the Stoichiometry of Kv1.3 Channel Block by Emopamil but Not by Verapamil? Alexey Rossokhin, Tobias Dreker, Stephan Grissmer, and Boris S. Zhorov 681 Coupling to Polymeric Scaffolds Stabilizes Biofunctional Peptides for Intracellular Applications Ivo R. Ruttekolk, Alokta Chakrabarti, Martin Richter, Falk Duchardt, Heike Glauner, Wouter P. R. Verdurmen, Jörg Rademann, and Roland Brock 692 The symbols in the table of contents identify articles discussed in the *Perspective*.

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S	Recognition Site Robert G. Kaye, José W. Saldanha, Zhi-Liang Lu, and Edward C. Hulme	701
	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 Xin Zhou, Yuan Wei, Fang Xie, Christina M. Laukaitis, Robert C. Karn, Kerri Kluetzman, Jun Gu, Qing-Yu Zhang, Dean W. Roberts, and Xinxin Ding	710
S	Acute Disruption of Bone Marrow Hematopoiesis by Benzo(a)pyrene Is Selectively Reversed by Aryl Hydrocarbon Receptor-Mediated Processes Alhaji U. N'jai, Michele C. Larsen, Justin R. Bushkofsky, Charles J. Czuprynski, and Colin R. Jefcoate	724
S	Novel Regulation of Nuclear Factor-YB by $miR-485-3p$ Affects the Expression of DNA Topoisomerase II α and Drug Responsiveness Cheng-Fen Chen, Xiaolong He, Ahmet Dirim Arslan, Yin-Yuan Mo, William C. Reinhold, Yves Pommier, and William T. Beck	735
	A Cation-π Interaction at a Phenylalanine Residue in the Glycine Receptor Binding Site Is Conserved for Different Agonists Stephan A. Pless, Ariele P. Hanek, Kerry L. Price, Joseph W. Lynch, Henry A. Lester, Dennis A. Dougherty, and Sarah C. R. Lummis	742
▣	Agonist-Biased Signaling at the Histamine H_4 Receptor: JNJ7777120 Recruits β -Arrestin without Activating G Proteins Elizabeth M. Rosethorne and Steven J. Charlton	749
S	Effects of the Allosteric Antagonist 1-(4-Chlorophenyl)-3-[3-(6-pyrrolidin-1-ylpyridin-2-yl)phenyl]urea (PSNCBAM-1) on CB_1 Receptor Modulation in the Cerebellum Xiaowei Wang, James G. Horswill, Benjamin J. Whalley, and Gary J. Stephens	758
	Protein Kinase C-Mediated Phosphorylation of the μ -Opioid Receptor and Its Effects on Receptor Signaling Bo Feng, Zhihua Li, and Jia Bei Wang	768
	The Penultimate Arginine of the Carboxyl Terminus Determines Slow Desensitization in a P2X Receptor from the Cattle Tick Boophilus microplus Selvan Bavan, Louise Farmer, Shire K. Singh, Volko A. Straub, Felix D. Guerrero, and Steven J. Ennion	776
	Proinflammatory Stimuli Control N-Acylphosphatidylethanolamine-Specific Phospholipase D Expression in Macrophages Chenggang Zhu, Carlos Solorzano, Saurabh Sahar, Natalia Realini, Ernest Fung, Paolo Sassone-Corsi, and Daniele Piomelli	786
	ERRATUM	
	Correction to "Antipsychotic Drugs Regulate Hedgehog Signaling by Modulation of 7-Dehydrocholesterol Reductase Levels"	793

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About the cover: Model of the Kv1.3 mutant $A^{i10}C$ with two emopamil molecules. See the article by Rossokhin et al. on page 681 of this issue.