MINIREVIEW
Functional Selectivity in Adrenergic and Angiotensin Signaling Systems
Chetan B. Patel, Nabila Noor, and Howard A. Rockman

PERSPECTIVE
Endocannabinoid Overload
Aron H. Lichtman, Jacqueline L. Blankman, and Benjamin F. Cravatt

ACCELERATED COMMUNICATION
Monoacylglycerol Lipase Activity Is a Critical Modulator of the Tone and Integrity of the Endocannabinoid System
Pranab K. Chanda, Ying Gao, Lilly Mark, Joan Btesh, Brian W. Strassle, Peimin Lu, Michael J. Piesla, Mei-Yi Zhang, Brendan Bingham, Albert Uveges, Dianne Kowal, David Garbe, Eugenia V. Kouranova, Robert H. Ring, Brian Bates, Menelas N. Pangalos, Jeffrey D. Kennedy, Garth T. Whiteside, and Tarek A. Samad

ARTICLES
Colorectal Cancer-Specific Cytochrome P450 2W1: Intracellular Localization, Glycosylation, and Catalytic Activity
Alvin Gomez, Jana Nekvindova, Sandra Travica, Mi-Young Lee, Inger Johansson, David Edler, Souren Mrkrtchian, and Magnus Ingelman-Sundberg

Tethered Agonist Analogs as Site-Specific Probes for Domains of the Human α7 Nicotinic Acetylcholine Receptor that Differentially Regulate Activation and Desensitization
Jingyi Wang, Nicole A. Horenstein, Clare Stokes, and Roger L. Papke

The High-Affinity Binding Site for Tricyclic Antidepressants Resides in the Outer Vestibule of the Serotonin Transporter
Subhodeep Sarker, René Weissensteiner, Ilka Steiner, Harald H. Sitte, Gerhard F. Ecker, Michael Freissmuth, and Sonja Sucic

The symbols in the table of contents identify articles discussed in the Perspective.
Mapping the Ligand Binding Sites of Kainate Receptors: Molecular Determinants of Subunit-Selective Binding of the Antagonist [3H]UBP310
Palmi T. Atlason, Caroline L. Scholefield, Richard J. Eaves, M. Belen Mayo-Martín, David E. Jane, and Elek Molnár

Identification of 5α,6α-Epoxycholesterol as a Novel Modulator of Liver X Receptor Activity
Thomas J. Berrodin, Qi Shen, Elaine M. Quinet, Matthew R. Yudt, Leonard P. Freedman, and Sunil Nagpal

ATP Induces Synaptic Gene Expressions in Cortical Neurons: Transduction and Transcription Control via P2Y1 Receptors

Emetine Promotes von Hippel-Lindau-Independent Degradation of Hypoxia-Inducible Factor-2α in Clear Cell Renal Carcinoma
Hye-Sik Kong, Sunmin Lee, Kristin Beebe, Bradley Scroggins, Gopal Gupta, Min-Jung Lee, Yun-Jin Jung, Jane Trepel, and Leonard Neckers

The Human Organic Anion Transporter Genes OAT5 and OAT7 Are Transactivated by Hepatocyte Nuclear Factor-1α (HNF-1α)
Kerstin Klein, Christoph Jüngst, Jessica Muinyi, Bruno Stieger, Franz Krempler, Wolfgang Patsch, Jyrki J. Eloranta, and Gerd A. Kullak-Ublick

The Specific Slow Afterhyperpolarization Inhibitor UCL2077 Is a Subtype-Selective Blocker of the Epilepsy Associated KCNQ Channels
Heun Soh and Anastassios V. Tzingounis

Melanoma Differentiation Associated Gene-7/Interleukin-24 Potently Induces Apoptosis in Human Myeloid Leukemia Cells through a Process Regulated by Endoplasmic Reticulum Stress
Mohamed Rahmani, Mandy Mayo, Rupesh Dash, Upneet Kaur Sokhi, Igor P. Dmitriev, Devanand Sarkar, Paul Dent, David T. Curiel, Paul B. Fisher, and Steven Grant

Discovery of Novel Allosteric Modulators of Metabotropic Glutamate Receptor Subtype 5 Reveals Chemical and Functional Diversity and In Vivo Activity in Rat Behavioral Models of Anxiolytic and Antipsychotic Activity
Alice L. Rodriguez, Mark D. Grier, Carrie K. Jones, Elizabeth J. Herman, Alexander S. Kane, Randy L. Smith, Richard Williams, Ya Zhou, Joy E. Marlo, Emily L. Days, Tasha N. Blatt, Satyawan Jadhav, Usha N. Menon, Paige N. Vinson, Jerri M. Rook, Shaun R. Stauffer, Colleen M. Niswender, Craig W. Lindsley, C. David Weaver, and P. Jeffrey Conn

The Tarantula Toxins ProTx-II and Huwentoxin-IV Differentially Interact with Human Na+,1.7 Voltage Sensors to Inhibit Channel Activation and Inactivation
Yucheng Xiao, Kenneth Blumenthal, James O. Jackson II, Songping Liang, and Theodore R. Cummins

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

About the cover: Homology models of α7 covalently modified by the SH-reagents. See article by Wang et al. on page 1012 of this issue.