MINIREVIEW
Functional Selectivity through Protean and Biased Agonism: Who Steers the Ship?
Terry Kenakin
1393

PERSPECTIVE
Go It Alone No More—P2X7 Joins the Society of Heteromeric ATP-Gated Receptor Channels
g
George R. Dubyak
1402

ACCELERATED COMMUNICATIONS
Are α9α10 Nicotinic Acetylcholine Receptors a Pain Target for α-Conotoxins?
S. T. Nevin, R. J. Clark, H. Klimis, M. J. Christie, D. J. Craik, and D. J. Adams
1406

Substance P Neurokinin 1 Receptor Activation within the Dorsal Raphe Nucleus Controls Serotonin Release in the Mouse Frontal Cortex
Bruno P. Guiard, Jean-Philippe Guilloux, Christelle Reperant, Stephen P. Hunt, Miklos Toth, and Alain M. Gardier
1411

In Vivo Oxidative Damage in Rats Is Associated with Barbiturate Response but Not Other Cytochrome P450 Inducers
Miroslav Dostalek, Joshua D. Brooks, Klarissa D. Hardy, Ginger L. Milne, Megan M. Moore, Sameer Sharma, Jason D. Morrow, and F. Peter Guengerich
1419

ARTICLES
Myristyl Trimethyl Ammonium Bromide and Octadecyl Trimethyl Ammonium Bromide Are Surface-Active Small Molecule Dynamin Inhibitors that Block Endocytosis Mediated by Dynamin I or Dynamin II
Annie Quan, Andrew B. McGeachie, Damien J. Keating, Ellen M. van Dam, Jenny Rusak, Ngoc Chau, Chandra S. Malladi, Chen Chen, Adam McCluskey, Michael A. Cousin, and Phillip J. Robinson
1425

The symbols in the table of contents identify articles discussed in the Perspective.
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evidence for Functional P2X$_4$/P2X$_7$ Heteromeric Receptors</td>
<td>Chang Guo, Marianela Masin, Omar S. Qureshi, and Ruth D. Murrell-Lagnado</td>
<td>1447</td>
</tr>
<tr>
<td>A Dioxin-Responsive Enhancer 3′ of the Human CYP1A2 Gene</td>
<td>Steven T. Okino, Linda C. Quattrochi, Deepa Pookot, Mieko Iwahashi, and Rajvir Dahiya</td>
<td>1457</td>
</tr>
<tr>
<td>Mitochondria, Calcium, and Calpain are Key Mediators of Resveratrol-Induced Apoptosis in Breast Cancer</td>
<td>Dhruv Sareen, Soesiaawati R. Darjatmoko, Daniel M. Albert, and Arthur S. Polans</td>
<td>1466</td>
</tr>
<tr>
<td>Transforming Growth Factor-β1 Impairs Endothelin-1-Mediated Contraction of Brain Vessels by Inducing Mitogen-Activated Protein (MAP) Kinase Phosphatase-1 and Inhibiting p38 MAP Kinase</td>
<td>Xin-Kang Tong and Edith Hamel</td>
<td>1476</td>
</tr>
<tr>
<td>Roof and Floor of the Muscarinic Binding Pocket: Variations in the Binding Modes of Orthosteric Ligands</td>
<td>J. Alex Goodwin, Edward C. Hulme, Christopher J. Langmead, and Ben G. Tehan</td>
<td>1484</td>
</tr>
<tr>
<td>Identification of a Postendocytic Sorting Sequence in CCR5</td>
<td>Maurine Delhaye, Audrey Gravot, Diana Aycinde, Florence Niedergang, Marc Alizon, and Anne Brelo?</td>
<td>1497</td>
</tr>
<tr>
<td>Resveratrol (trans-3,5,4′-Trihydroxystilbene) Ameliorates Experimental Allergic Encephalomyelitis, Primarily via Induction of Apoptosis in T Cells Involving Activation of Aryl Hydrocarbon Receptor and Estrogen Receptor</td>
<td>Narendra P. Singh, Venkatesh L. Hegde, Lorne J. Hofseth, Mitzi Nagarkatti, and Prakash Nagarkatti</td>
<td>1508</td>
</tr>
<tr>
<td>The Molecular Basis of High-Affinity Binding of the Antiarrhythmic Compound Vernakalant (RSD1235) to Kv1.5 Channels</td>
<td>Jodene Eldstrom, Zhuren Wang, Hongjian Xu, Marc Pourrier, Alan Ezrin, Ken Gibson, and David Fedida</td>
<td>1522</td>
</tr>
<tr>
<td>The N-Terminal Domains of both NR1 and NR2 Subunits Determine Allosteric Zn$^{2+}$ Inhibition and Glycine Affinity of N-Methyl-D-aspartate Receptors</td>
<td>Christian Madry, Ivana Mesic, Heinrich Betz, and Bodo Laube</td>
<td>1535</td>
</tr>
<tr>
<td>Docosahexaenoic Acid Induces Increases in [Ca$^{2+}$], via Inositol 1,4,5-Triphosphate Production and Activates Protein Kinase Cy and -δ via Phosphatidylyserine Binding Site: Implication in Apoptosis in U937 Cells</td>
<td>Virginie Aires, Aziz Hichami, Rodolphe Filomenko, Aude Plé, Cédric Rébé, Ali Bettaieb, and Naim Akhtar Khan</td>
<td>1545</td>
</tr>
<tr>
<td>CB$_1$ Cannabinoid Receptor Activity Is Modulated by the Cannabinoid Receptor Interacting Protein CRIP 1a</td>
<td>Jason L. Niehaus, Yunguang Liu, Kathleen T. Wallis, Michaela Egertová, Sheela G. Bhartur, Somnath Mukhopadhyay, Shanping Shi, Hengjun He, Dana E. Selley, Allyn C. Howlett, Maurice R. Elphick, and Deborah L. Lewis</td>
<td>1557</td>
</tr>
<tr>
<td>Identification of the Substrate Binding Region of Vesicular Monoamine Transporter-2 (VMAT-2) Using Iodoaminoflisolopolol as a Novel Photoprobe</td>
<td>Anupama Gopalakrishnan, Michael Sievert, and Arnold E. Ruoho</td>
<td>1567</td>
</tr>
<tr>
<td>Inhibition of TRPP3 Channel by Amiloride and Analogs</td>
<td>Xiao-Qing Dai, Alkarim Ramji, Yan Liu, Qiang Li, Edward Karpinski, and Xing-Zhen Chen</td>
<td>1576</td>
</tr>
</tbody>
</table>
Aspirin Enhances Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand-Mediated Apoptosis in Hormone-Refractory Prostate Cancer Cells through Survivin Down-Regulation

Jinsang Yoo and Yong J. Lee

Mitochondrial Expression of the Drosophila melanogaster Multisubstrate Deoxyribonucleoside Kinase

Nicola Solaroli, Xinyu Zheng, Magnus Johansson, Jan Balzarini, and Anna Karlsson

Decursin Suppresses Human Androgen-Independent PC3 Prostate Cancer Cell Proliferation by Promoting the Degradation of β-Catenin

Gyu-Yong Song, Jee-Hyun Lee, Munju Cho, Byeoung-Soo Park, Dong-Eun Kim, and Sangtaek Oh

K252a Prevents Nigral Dopaminergic Cell Death Induced by 6-Hydroxydopamine through Inhibition of Both Mixed-Lineage Kinase 3/c-Jun NH2-Terminal Kinase 3 (JNK3) and Apoptosis-Inducing Kinase 1/JNK3 Signaling Pathways

Jing Pan, Gang Wang, Hong-Qi Yang, Zhen Hong, Qin Xiao, Ru-Jing Ren, Hai-Yan Zhou, Li Bai, and Sheng-Di Chen

Regulation of Tissue-Specific Expression of the Human and Mouse Urate Transporter 1 Gene by Hepatocyte Nuclear Factor 1 α/β and DNA Methylation

Ryota Kikuchi, Hiroyuki Kusuhara, Naka Hattori, Insook Kim, Kunio Shiota, Frank J. Gonzalez, and Yuichi Sugiyama

Adenosine A2A Receptor Occupancy Stimulates Collagen Expression by Hepatic Stellate Cells via Pathways Involving Protein Kinase A, Src, and Extracellular Signal-Regulated Kinases 1/2 Signaling Cascade or p38 Mitogen-Activated Protein Kinase Signaling Pathway

Jiantu Che, Edwin S. L. Chan, and Bruce N. Cronstein

Cystine-Glutamate Transporter SLC7A11 Mediates Resistance to Geldanamycin but Not to 17-(Allylamino)-17-demethoxygeldanamycin

Ruqing Liu, Paul E. Blower, Anh-Nhan Pham, Jialong Fang, Zunyan Dai, Carolyn Wise, Bridgette Green, Candee H. Teitel, Baitang Ning, Wenhua Ling, Beverly D. Lyn-Cook, Fred F. Kadlubar, Wolfgang Sadée, and Ying Huang

Repression of T-Cell Function by Thionamides Is Mediated by Inhibition of the Activator Protein-1/Nuclear Factor of Activated T-Cells Pathway and Is Associated with a Common Structure


Incensole Acetate, a Novel Anti-Inflammatory Compound Isolated from Boswellia Resin, Inhibits Nuclear Factor-κB Activation

Arieh Moussaieff, Esther Shohami, Yoel Kashman, Ester Fride, M. Lienhard Schmitz, Florian Renner, Bernd L. Fiebich, Eduardo Munoz, Yinon Ben-Neriah, and Raphael Mechoulam

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