MOLECULAR

July 2011 Volume 80 Number 1 molpharm.aspetjournals.org ISSN 0026-895X **ARTICLES** A Novel Family of Insect-Selective Peptide Neurotoxins Targeting Insect Large-Conductance Calcium-Activated K⁺ Channels Isolated from the Venom of the Theraphosid Spider Eucratoscelus constrictus Monique J. Windley, Pierre Escoubas, Stella M. Valenzuela, and Graham M. Nicholson 1 S Different Residues in the GABA_A Receptor Benzodiazepine Binding Pocket Mediate Benzodiazepine Efficacy and Binding Elaine V. Morlock and Cynthia Czajkowski 14 Evidence that γ-Secretase-Mediated Notch Signaling Induces Neuronal Cell Death via the Nuclear Factor-κB-Bcl-2-Interacting Mediator of Cell Death Pathway in Ischemic Stroke Thiruma V. Arumugam, Yi-Lin Cheng, Yuri Choi, Yun-Hyung Choi, Sunghee Yang, Young-Kwang Yun, Jong-Sung Park, Dong Kwon Yang, John Thundyil, Mathias Gelderblom, Vardan T. Karamyan, Sung-Chun Tang, Sic L. Chan, Tim Magnus, Christopher G. Sobey, and Dong-Gyu Jo 23 [8] In Vivo Labeling of Brain Capillary Endothelial Cells after Intravenous Injection of Monoclonal Antibodies Targeting the Transferrin Receptor Sarah Paris-Robidas, Vincent Emond, Cyntia Tremblay, Denis Soulet, and Frédéric Calon 32 S Cyclopentenyl Cytosine Induces Senescence in Breast Cancer Cells through the Nucleolar Stress Response and Activation of p53 Min Huang, Patrick Whang, Patrick Lewicki, and Beverly S. Mitchell 40 **S** Mechanisms of Modal Activation of GluA3 Receptors Kinning Poon, Ahmed H. Ahmed, Linda M. Nowak, and Robert E. Oswald 49 \square Diacylglycerol Lipase- α and - β Control Neurite Outgrowth in Neuro-2a Cells through Distinct Molecular Mechanisms 60 Kwang-Mook Jung, Giuseppe Astarita, Dean Thongkham, and Daniele Piomelli S Novel Regulatory Mechanism of Canonical Wnt Signaling by Dopamine D₂ Receptor through Direct Interaction with β -Catenin Chengchun Min, Dong-Im Cho, Kyoung-Ja Kwon, Kwon-Sup Kim, Chan Young Shin, and Kyeong-Man Kim

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About the cover: Recombinant DGL- β -GFP protein localizes to lipid droplets in transfected cells. See related article by Jung et al. on page 60 of this issue.