MINIREVIEW
Receptor-Mediated Activation of Heterotrimeric G-Proteins: Current Structural Insights
Christopher A. Johnston and David P. Siderovski 219

PERSPECTIVES
Challenges and Opportunities of Trapping Ligands
Mariusz W. Szkudlinski 231

Brain-Derived Neurotrophic Factor: Linking Fear Learning to Memory Consolidation
Marie-H. Monfils, Kiriana K. Cowansage, and Joseph E. LeDoux 235

ARTICLES
Trapping of a Nonpeptide Ligand by the Extracellular Domains of the Gonadotropin-Releasing
Hormone Receptor Results in Insurmountable Antagonism
Trudy A. Kohout, Qiu Xie, Shelby Reijmers, Kenneth J. Finn, Zhiqiang Guo, Yun-Fei Zhu, and
R. Scott Struthers 238

Erlotinib, an Effective Epidermal Growth Factor Receptor Tyrosine Kinase Inhibitor, Induces p27Kip1
Up-Regulation and Nuclear Translocation in Association with Cell Growth Inhibition and G1/S
Phase Arrest in Human Non–Small-Cell Lung Cancer Cell Lines
Yi-He Ling, Tianhong Li, Ziqiang Yuan, Missak Haigentz, Jr., Thomas K. Weber, and
Roman Perez-Soler 248

APETx1 from Sea Anemone Anthopleura elegantissima Is a Gating Modifier Peptide Toxin of the
Human Ether-a-go-go-Related Potassium Channel
M. Zhang, X.-S. Liu, S. Diochot, M. Lazdunski, and G.-N. Tseng 259

UR-1505, a New Salicylate, Blocks T Cell Activation through Nuclear Factor of Activated T Cells
Juan Román, Alberto Fernández de Arriba, Sonia Barrón, Pedro Michelaya, Marta Giral,
Manuel Merlos, Elvira Bailón, Mónica Comalada, Julio Gálvez, Antonio Zarzuelo, and
Isabel Ramis 269

The ◻ and ◇ symbols in the table of contents identify articles discussed in the Perspectives.