MINIREVIEW
A Mechanism-Based Approach to P2X7 Receptor Action
Mehmet Ugur and Özlem Ugur

ARTICLES
- Derivatives of Piperazines as Potential Therapeutic Agents for Alzheimer's Disease
  Elena Popugaeva, Daria Chernyuk, Hua Zhang, Tatyana Y. Postnikova, Karina Pats, Elena Fedorova, Vladimir Poroikov, Aleksey V. Zaitsev, and Ilya Bezprozvanny

- Insights into the Regulatory Properties of Human Adenylyl Cyclase Type 9
  Tanya A. Baldwin, Yong Li, Cameron S. Brand, Val J. Watts, and Carmen W. Dessauer

- Statins Perturb G\(\beta\gamma\) Signaling and Cell Behavior in a G\(\beta\) Subtype Dependent Manner
  Mithila Tennakoon, Dinesh Kankanamge, Kanishka Senarath, Zehra Fasih, and Ajith Karunarathne

- A Comparison of the Ability of Leu\(^8\)- and Pro\(^8\)-Oxytocin to Regulate Intracellular Ca\(^{2+}\) and Ca\(^{2+}\)-Activated K\(^+\) Channels at Human and Marmoset Oxytocin Receptors
  Marsha L. Pierce, Suneet Mehrotra, Aaryn C. Mustoe, Jeffrey A. French, and Thomas F. Murray

- Blockade of the Human Ether-A-Go-Go–Related Gene (hERG) Potassium Channel by Fentanyl
  Jared N. Tschirhart, Wentao Li, Jun Guo, and Shetuan Zhang

- Chronic Menthol Does Not Change Stoichiometry or Functional Plasma Membrane Levels of Mouse \(\alpha3\beta4\)-Containing Nicotinic Acetylcholine Receptors
  Selvan Bavan, Charlene H. Kim, Brandon J. Henderson, and Henry A. Lester

- Monod-Wyman-Changeux Allosteric Shift Analysis in Mutant \(\alpha1\beta3\gamma2\)L GABA\(_A\) Receptors Indicates Selectivity and Crosstalk among Intersubunit Transmembrane Anesthetic Sites
  Andrea Szabo, Anahita Nourmahnad, Elizabeth Halpin, and Stuart A. Forman

- Ti\(_{0.8}\)O\(_2\) Nanosheets Inhibit Lung Cancer Stem Cells by Inducing Production of Superoxide Anion
  Nalinrat Petpiroon, Narumol Bhummaphan, Rapeepun Soonnarong, Wipa Chantarawong, Tosapol Maluangnont, Varisa Pongrakhananon, and Pithi Chanvorachote

- \(\text{trans-}\)Anethole of Fennel Oil is a Selective and Nonelectrophilic Agonist of the TRPA1 Ion Channel
  Tosifa Memon, Oleg Yarishkin, Christopher A. Reilly, David Krizaj, Baldomero M. Olivera, and Russell W. Teichert

- MiR-144 Inhibits Tumor Growth and Metastasis in Osteosarcoma via Dual-suppressing RhoA/ROCK1 Signaling Pathway
  Jin Long Liu, Jing Li, Jia Jia Xu, Fei Xiao, Peng Lei Cui, Zhi Guang Qiao, Xiao Dong Chen, Wei Dong Tao, and Xiao Ling Zhang
NOTICE OF RETRACTIONS
Flavopiridol and Histone Deacetylase Inhibitors Promote Mitochondrial Injury and Cell Death in Human Leukemia Cells that Overexpress Bcl-2
Dasmahapatra G, Almenara JA, and Grant S

The Histone Deacetylase Inhibitor LAQ824 Induces Human Leukemia Cell Death through a Process Involving XIAP Down-Regulation, Oxidative Injury, and the Acid Sphingomyelinase-Dependent Generation of Ceramide

ERRATUM
Correction to “Sodium Ion Binding Pocket Mutations and Adenosine A2A Receptor Function”