

The Journal of PHARMACOLOGY

And Experimental Therapeutics

A Publication of the American Society for Pharmacology and Experimental Therapeutics

May 2024

Vol. 389, No. 2

Contents

EDITORIAL

- The JPET Editorial Fellowship: Opening the Blinds to the Peer Review and Editorial Process 129
Mayur K. Ladumor, Catharine A. Mielnik, Cristina D. Peterson, Freeborn Rwere, and Eric R. Gross

VIEWPOINT

- A Promise to Keep, but Miles to Go Before We Sleep ... 133
Michael L. Lipton
- Recovery from Traumatic Brain Injury Is Nociceptin/Orphanin FQ Peptide Receptor Genotype-, Sex-, and Injury Severity-Dependent 136
Omar N. Al Yacoub, Hibah O. Awwad, and Kelly M. Standifer

MINIREVIEWS

- Synaptic Plasticity and Cognitive Ability in Experimental Adult-Onset Hypothyroidism 150
Karim A. Alkadhi
- Research Progress on the Correlation between Acetaldehyde Dehydrogenase 2 and Hepatocellular Carcinoma Development 163
Dashuai Yang, Ying Hu, Junfa Yang, Liangsong Tao, Yue Su, Yincui Wu, Yan Yao, Shuxian Wang, Sheng Ye, and Tao Xu

CARDIOVASCULAR

- Initial Characterization of a Transgenic Mouse with Overexpression of the Human H₁-Histamine Receptor on the Heart 174
Lina Maria Rayo Abella, Hannes Jacob, Max Keller, Lisa Schindler, Steffen Pockes, Sebastian Pitzl, Jan Klimas, Katarina Hadova, Sarah Schneider, Igor B. Buchwalow, CongYu Jin, Pertti Panula, Uwe Kirchhefer, Joachim Neumann, and Ulrich Gergs

CHEMOTHERAPY, ANTIBIOTICS, AND GENE THERAPY

- Use of CRISPR/Cas9 with Homology-Directed Repair to Gene-Edit Topoisomerase II β in Human Leukemia K562 Cells: Generation of a Resistance Phenotype 186
Jessika Carvajal-Moreno, Xinyi Wang, Victor A. Hernandez, Milon Mondal, Xinyu Zhao, Jack C. Yalowich, and Terry S. Elton

GASTROINTESTINAL, HEPATIC, PULMONARY, AND RENAL

- Paclitaxel Aggravating Radiation-Induced Pulmonary Fibrosis Is Associated with the Down-Regulation of the Negative Regulatory Function of Spry2 197
Jianxing Zheng, Jiandong Wu, Lingfeng Xie, Yihao Huang, Jinsheng Hong, and Chun Chen

NEUROPHARMACOLOGY

- Beclin-1-Derived Peptide MP1 Attenuates Renal Fibrosis by Inhibiting the Wnt/ β -Catenin Pathway 208
Jianfeng Zhang, Xiaocui Feng, Runling Yang, Jingya Bai, Feiyun Gao, and Bangzhi Zhang

Pharmacologic Characterization of Substituted Nitazenes at μ , κ , and Δ Opioid Receptors Suggests High Potential for Toxicity

219

Laura B. Kozell, Amy J. Eshleman, Katherine M. Wolfrum, Tracy L. Swanson, Shelley H. Bloom, Sheila Benware, Jennifer L. Schmachtenberg, Kamryn A. Schutzer, William E. Schutzer, Aaron Janowsky, and Atheir I. Abbas

TOXICOLOGY

Structure-Activity Relationship and Voltage Dependence for the Drug–Drug Interaction between Amiodarone Analogs and MNI-1 at the L-type Cav Channel

229

Jixin Wang, Haoyu Zeng, Grace Dong, Sherman Waddell, John McCauley, and Armando Lagrutta

Supplemental material is available at jpet.aspetjournals.org.

About the cover: Functional role of ALDH2 in HCC. See the article by Yang et al. ([dx.doi.org/10.1124/jpet.123.001898](https://doi.org/10.1124/jpet.123.001898)).