

# The Journal of PHARMACOLOGY

## And Experimental Therapeutics

A Publication of the American Society for Pharmacology and Experimental Therapeutics

April 2023

Vol. 385, No. 1

### Contents

#### VIEWPOINT

Complexity in Hepatic Insulin Resistance – Unraveling the Role of Ubiquitin-Specific Protease 14 in Protein Homeostasis of Metabolic Transcription Factors 1

*Nadya M. Morrow and Erin E. Mulvihill*

Insulin Suppresses Ubiquitination via the Deubiquitinating Enzyme Ubiquitin-Specific Protease 14, Independent of Proteasome Activity in H4IIEC3 Hepatocytes 5

*Kyoko Kamoshita, Kiyoko Ishii, Yumiko Tahira, Akihiro Kikuchi, Halimulati Abuduwaili, Natsumi Tajima-Shirasaki, Qifang Li, Hiroaki Takayama, Kunio Matsumoto, and Toshinari Takamura*

#### BEHAVIORAL PHARMACOLOGY

☐ Cannabinoid Tolerance in S426A/S430A x  $\beta$ -Arrestin 2 Knockout Double-Mutant Mice 17

*Mary K. Piscura, Diana E. Sepulveda, Malabika Maulik, Josée Guindon, Angela N. Henderson-Redmond, and Daniel J. Morgan*

#### CARDIOVASCULAR

☐ Endothelial-Specific Targeting of RhoA Signaling via CD31 Antibody-Conjugated Nanoparticles 35

*Behnaz Lahooti, Racheal G. Akwii, Dhavalkumar Patel, Siavash ShahbaziNia, Margarita Lamprou, Mahboubeh Madadi, Thomas J. Abbruscato, Aristotelis Astrinidis, Ulrich Bickel, Abraham Al-Ahmad, Nadezhda A. German, George Mattheolabakis, and Constantinos M. Mikelis*

#### NEUROPHARMACOLOGY

Structural Analogs of the GABA<sub>A</sub> Receptor KRM-II-81 Are Orally Bioavailable Anticonvulsants without Sedation 50

*Kamal P. Pandey, Branka Divović, Farjana Rashid, Lalit K. Golani, Rok Cerne, Nicolas M. Zahn, Michelle Jean Meyer, Leggy A. Arnold, Dishary Sharmin, Md Yeunus Mian, Jodi L. Smith, Xingjie Ping, Xiaoming Jin, Arnold Lippa, V.V.N. Phani Babu Tiruveedhula, James M. Cook, Miroslav M. Savić, and Jeffrey M. Witkin*

Pharmacologic Activity of Substituted Tryptamines at 5-Hydroxytryptamine (5-HT)<sub>2A</sub> Receptor (5-HT<sub>2AR</sub>), 5-HT<sub>2CR</sub>, 5-HT<sub>1AR</sub>, and Serotonin Transporter 62

*Laura B. Kozell, Amy J. Eshleman, Tracy L. Swanson, Shelley H. Bloom, Katherine M. Wolfrum, Jennifer L. Schmachtenberg, Randall J. Olson, Aaron Janowsky, and Atheir I. Abbas*

#### ERRATUM

Correction to “Rescue of Synaptic Phenotypes and Spatial Memory in Young Fragile X Mice” 76

☐ Supplemental material is available at [jpet.aspetjournals.org](http://jpet.aspetjournals.org).

*About the cover:* Role of USP14 in hepatic insulin signaling and transcriptional control of gluconeogenesis and lipogenesis. See the article by Morrow et al. ([dx.doi.org/10.1124/jpet.122.001517](https://doi.org/10.1124/jpet.122.001517)).