

# MOLECULAR PHARMACOLOGY

October 2016

Volume 90

Number 4

molpharm.aspetjournals.org

ISSN 1521-0111

## ANNOUNCEMENT

Announcement

*Mary Vore*

414

## ACCELERATED COMMUNICATION

- AMP Kinase Activation Alters Oxidant-Induced Stress Granule Assembly by Modulating Cell Signaling and Microtubule Organization

*Hicham Mahboubi, Antonis E. Koromilas, and Ursula Stochaj*

460

## ARTICLES

- S-Nitrosoglutathione Attenuates Airway Hyperresponsiveness in Murine Bronchopulmonary Dysplasia

*Thomas M. Raffay, Andrew M. Dylag, Juliann M. Di Fiore, Laura A. Smith, Helly J. Einisman, Yuejin Li, Mitchell M. Lakner, Ahmad M. Khalil, Peter M. MacFarlane, Richard J. Martin, and Benjamin Gaston*

418

- Molecular Mechanisms of Action of M<sub>5</sub> Muscarinic Acetylcholine Receptor Allosteric Modulators

*Alice E. Berizzi, Patrick R. Gentry, Patricia Rueda, Sandra Den Hoedt, Patrick M. Sexton, Christopher J. Langmead, and Arthur Christopoulos*

427

- A Fibroblast Growth Factor 21–Pregnane X Receptor Pathway Downregulates Hepatic CYP3A4 in Nonalcoholic Fatty Liver Disease

*Sarah J. Woolsey, Melanie D. Beaton, Sara E. Mansell, Matilde Leon-Ponte, Janice Yu, Christopher L. Pin, Paul C. Adams, Richard B. Kim, and Rommel G. Tirona*

437

- WNT Stimulation Dissociates a Frizzled 4 Inactive-State Complex with G $\alpha_{12/13}$

*Elisa Arthofer, Belma Hot, Julian Petersen, Katerina Strakova, Stefan Jäger, Manuel Grundmann, Evi Kostenis, J. Silvio Gutkind, and Gunnar Schulte*

447

- Ginsenoside Rg3, a Gating Modifier of EAG Family K<sup>+</sup> Channels

*Wei Wu, Alison Gardner, Frank B. Sachse, and Michael C. Sanguinetti*

469

- CXC Chemokine Receptor 3 Alternative Splice Variants Selectively Activate Different Signaling Pathways

*Yamina A. Berchiche and Thomas P. Sakmar*

483

- Differential Inhibition of Water and Ion Channel Activities of Mammalian Aquaporin-1 by Two Structurally Related Bacopaside Compounds Derived from the Medicinal Plant

*Bacopa monnieri*

*Jinxin V. Pei, Mohamad Kourghi, Michael L. De Ieso, Ewan M. Campbell, Hilary S. Dorward, Jennifer E. Hardingham, and Andrea J. Yool*

496

## ERRATUM

- Corrections to “Molecular interaction of  $\alpha$ -conotoxin RgIA with the rat  $\alpha 9\alpha 10$  nicotinic acetylcholine receptor”

415

- Supplemental material is available online at <http://molpharm.aspetjournals.org>.

About the cover: FZD<sub>4</sub> induces p115-RHOGEF-GFP membrane recruitment in a G $\alpha_{12/13}$ - and WNT-dependent manner... See the article by Schulte et al. (dx.doi.org/10.1124/mol.116.104919).