

# MOLECULAR PHARMACOLOGY

September 2019

Volume 96

Number 3

[molpharm.aspetjournals.org](http://molpharm.aspetjournals.org)

ISSN 1521-0111

## ARTICLES

- Innovative Bioluminescence Resonance Energy Transfer Assay Reveals Differential Agonist-Induced D2 Receptor Intracellular Trafficking and Arrestin-3 Recruitment  
*Luc De Vries, Frédéric Finana, Claudie Cathala, Brice Ronsin, and Didier Cussac* 308
- Steady-State Activation and Modulation of the Concatemeric  $\alpha 1\beta 2\gamma 2L$  GABA<sub>A</sub> Receptor  
*Allison L. Germann, Spencer R. Pierce, Ariel B. Burbridge, Joe Henry Steinbach, and Gustav Akk* 320
- Temperature Dependence of the Biophysical Mechanisms Underlying the Inhibition and Enhancement Effect of Amiodarone on hERG Channels  
*Yung-Chen Lo, and Chung-Chin Kuo* 330
- Mechanistic Insights of Phenobarbital-Mediated Activation of Human but Not Mouse Pregnane X Receptor  
*Linhao Li, Matthew A. Welch, Zhihui Li, Bryan Mackowiak, Scott Heyward, Peter W. Swaan, and Hongbing Wang* 345
- Mapping the Site of Action of Human P2X7 Receptor Antagonists AZ11645373, Brilliant Blue G, KN-62, Calmidazolium, and ZINC58368839 to the Intersubunit Allosteric Pocket  
*Anfal Bin Dayel, Richard J. Evans, and Ralf Schmid* 355
- Characterization and Proteomic-Transcriptomic Investigation of Monocarboxylate Transporter 6 Knockout Mice: Evidence of a Potential Role in Glucose and Lipid Metabolism  
*Robert S. Jones, Chengjian Tu, Ming Zhang, Jun Qu, and Marilyn E. Morris* 364
- Investigating the Influence of Tracer Kinetics on Competition-Kinetic Association Binding Assays: Identifying the Optimal Conditions for Assessing the Kinetics of Low-Affinity Compounds  
*David A. Sykes, Palash Jain, and Steven J. Charlton* 378
- Inhibition of the Warm Temperature-Activated Ca<sup>2+</sup>-Permeable Transient Receptor Potential Vanilloid TRPV3 Channel Attenuates Atopic Dermatitis  
*Yaxuan Qu, Gongxin Wang, Xiaoying Sun, and KeWei Wang* 393
- Dantrolene Requires Mg<sup>2+</sup> and ATP To Inhibit the Ryanodine Receptor  
*Gyula Diszházi, Zsuzsanna Édua Magyar, János András Mótán, László Csernoch, István Jóna, Péter Pál Nánási, and János Almássy* 401

## ERRATA

- Correction to "Identification of Serine-875 as an Inhibitory Phosphorylation Site in the Calcium-Sensing Receptor" 307
- Correction to "Long QT2 Mutation on the Kv11.1 Ion Channel Inhibits Current Activity by Ablating a Protein Kinase C $\alpha$  Consensus Site" 377

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

About the cover: Representative binding pose for AZ11645373 in the hP2X7R. See article by Dayel et al. ([dx.doi.org/10.1124/mol.119.116715](https://doi.org/10.1124/mol.119.116715))