

# MOLECULAR PHARMACOLOGY

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## ACCELERATED COMMUNICATION

- ☐ Cryo-EM Analysis of the Conformational Landscape of Human P-glycoprotein (ABCB1) During its Catalytic Cycle  
*Gabriel A. Frank, Suneet Shukla, Prashant Rao, Mario J. Borgnia, Alberto Bartesaghi, Alan Merk, Aerfa Mobin, Lothar Esser, Lesley A. Earl, Michael M. Gottesman, Di Xia, Suresh V. Ambudkar, and Sriram Subramaniam* 35

## ARTICLES

- ☐ Temperature Effects on Kinetics of K<sub>v</sub>11.1 Drug Block Have Important Consequences for In Silico Proarrhythmic Risk Prediction  
*Monique J. Windley, Stefan A. Mann, Jamie I. Vandenberg, and Adam P. Hill* 1
- ☐ Structure-Activity Analysis of Biased Agonism at the Human Adenosine A<sub>3</sub> Receptor  
*Jo-Anne Baltos, Silvia Paoletta, Anh T. N. Nguyen, Karen J. Gregory, Dilip K. Tosh, Arthur Christopoulos, Kenneth A. Jacobson, and Lauren T. May* 12
- ☐ Role of Multidrug Resistance Protein 3 in Antifungal-Induced Cholestasis  
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- ☐ N-Heterocyclic Carbene Capture by Cytochrome P450 3A4  
*Gareth K. Jennings, Caroline M. Ritchie, Lisa S. Shock, Charles E. Lyons, and John C. Hackett* 42
- ☐ Use-Dependent Block of Human Cardiac Sodium Channels by GS967  
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## NOTICES OF RETRACTION

- Re: Takada Y, Sethi G, Sung B, and Aggarwal BB (2008) Flavopiridol suppresses tumor necrosis factor-induced activation of activator protein-1, c-Jun N-terminal kinase, p38 mitogen-activated protein kinase (MAPK), p44/p42 MAPK, and Akt, inhibits expression of antiapoptotic gene products, and enhances apoptosis through cytochrome c release and caspase activation in human myeloid cells *Mol Pharmacol* May 2008 73:1549–1557; doi:10.1124/mol.107.041350 63
- Re: Phromnoi K, Reuter S, Sung B, Prasad S, Kannappan R, Yadav VR, Chanmahasathien W, Limtrakul P, and Aggarwal BB (2010) A novel pentamethoxyflavone down-regulates tumor cell survival and proliferative and angiogenic gene products through inhibition of I $\kappa$ B kinase activation and sensitizes tumor cells to apoptosis by cytokines and chemotherapeutic agents. *Mol Pharmacol* 79:279–289; doi:10.1124/mol.110.067512 64

## NOTICE OF CONCERN


- Re: To K, Zhao Y, Jiang H, Hu K, Wang M, Wu J, Lee C, Yokom DW, Stratford AL, Klinge U, Mertens PR, Chen CS, Bally M, Yapp D, and Dunn SE (2007) The Phosphoinositide-Dependent Kinase-1 Inhibitor 2-Amino-N-[4-[5-(2-phenanthrenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl]phenyl]-acetamide (OSU-03012) Prevents Y-Box Binding Protein-1 from Inducing Epidermal Growth Factor Receptor. *Mol Pharmacol* 72:641–652; doi:10.1124/mol.107.036111 61

## ERRATA

Correction to “Mechanisms of Biased  $\beta$ -Arrestin-Mediated Signaling Downstream from the Cannabinoid 1 Receptor”

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*About the cover:* The predicted binding mode of MRS5679, an (N)-methanocarba nucleoside derivative with an extended C2 substituent at the human A3AR.....See the article by Baltos et al. ([dx.doi.org/10.1124/mol.116.103283](https://doi.org/10.1124/mol.116.103283)).