

# MOLECULAR PHARMACOLOGY

January 2022

Volume 101

Number 1

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

ISSN 1521-0111

## MINIREVIEW

Mechanisms to Repair Stalled Topoisomerase II-DNA Covalent Complexes

*Rebecca L. Swan, Ian G. Cowell, and Caroline A. Austin*

24

## ARTICLES

- ▣ Ibrutinib Blocks YAP1 Activation and Reverses BRAF Inhibitor Resistance in Melanoma Cells  
*Sean A. Misek, Patrick A. Newbury, Evgenii Chekalin, Shreya Paithankar, Andrea I. Doseff, Bin Chen, Kathleen A. Gallo, and Richard R. Neubig* 1
- ▣ Chryso splenol-C Increases Contraction by Augmentation of Sarcoplasmic Reticulum Ca<sup>2+</sup> Loading and Release via Protein Kinase C in Rat Ventricular Myocytes  
*J. Wang, T.N. Trinh, A. T. V. Vu, J.C. Kim, A.T.N. Hoang, C.J. Ohk, Y.H. Zhang, C.M. Nguyen, and S.H. Woo* 13
- ▣ Structural Basis of the Negative Allosteric Modulation of 5-BDBD at Human P2X4 Receptors  
*Stefan Bidula, Izzuddin Bin Nadzirin, Marco Cominetti, Harry Hickey, Sean A. Cullum, Mark Searcey, Ralf Schmid, and Samuel J. Fountain* 33
- ▣ Decoding Cinnabarinic Acid-Specific Stanniocalcin 2 Induction by Aryl Hydrocarbon Receptor  
*Nikhil Y. Patil, Hui Tang, Iulia Rus, Kangling Zhang, and Aditya D. Joshi* 45
- ▣ Steroidal Antagonists of Progesterone- and Prostaglandin E<sub>1</sub>-Induced Activation of the Cation Channel of Sperm  
*Erick J. Carlson, Gunda I. Georg, and Jon E. Hawkinson* 56

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

*About the cover:* Ibrutinib re-sensitizes BRAFi-resistant cells to vemurafenib. See the article by Misek et al. ([dx.doi.org/10.1124/molpharm.121.000331](https://doi.org/10.1124/molpharm.121.000331)).