

# MOLECULAR PHARMACOLOGY

A Publication of the American Society for Pharmacology and Experimental Therapeutics

September 2024

Vol. 106, No. 3

## Contents

### MINIREVIEWS

- Participation of Ca<sup>2+</sup>-Calmodulin-Dependent Protein Kinase II in the Antidepressant-Like Effects of Melatonin 107  
*Armida Miranda-Riestra, Montserrat G. Cercós, Citlali Trueta, Julián Oikawa-Sala, Jesús Argueta, Luis A. Constantino-Jonapa, Ricardo Cruz-Garduño, Gloria Benítez-King, and Rosa Estrada-Reyes*
- ☐ New Mechanisms Underlying Oncogenesis in Dbl Family Rho Guanine Nucleotide Exchange Factors 117  
*Sandeep K. Ravala and John J.G. Tesmer*
- Get Ready to Sharpen Your Tools: A Short Guide to Heterotrimeric G Protein Activity Biosensors 129  
*Remi Janicot and Mikel Garcia-Marcos*

### ARTICLE

- ☐ Aulosirazole Stimulates FOXO3a Nuclear Translocation to Regulate Apoptosis and Cell-Cycle Progression in High-Grade Serous Ovarian Cancer (HGSOC) Cells 145  
*Maneak Khin, Lydia J. Davis, Daniel D. Lantvit, Jimmy Orjala, and Joanna E. Burdette*

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

*About the cover:* Schematic representation of melatonin binding to Ca<sup>2+</sup>-CaM: Participation in the antidepressant-like effects of melatonin. See the article by Miranda-Riestra et al. ([dx.doi.org/10.1124/molpharm.124.000890](https://doi.org/10.1124/molpharm.124.000890)).