

General Physiology is the study of biological mechanisms through analytical investigations, which decipher the molecular and cellular mechanisms underlying biological function at all levels of organization.

The mission of *The Journal of General Physiology* is to publish articles that elucidate important biological, chemical, or physical mechanisms of broad physiological significance.

## Research Articles

- 217 Regulation of ENaC trafficking in rat kidney. Gustavo Frindt, Diego Gravotta, and Lawrence G. Palmer
- 229 Retigabine holds  $K_v7$  channels open and stabilizes the resting potential. Aaron Corbin-Leftwich, Sayeed M. Mossadeq, Junghoon Ha, Iwona Ruchala, Audrey Han Ngoc Le, and Carlos A. Villalba-Galea
- 243 Multiple cytosolic calcium buffers in posterior pituitary nerve terminals. Shane M. McMahon, Che-Wei Chang, and Meyer B. Jackson
- 255 Contributions of protein kinases and  $\beta$ -arrestin to termination of protease-activated receptor 2 signaling. Seung-Ryoung Jung, Jong Bae Seo, Yi Deng, Charles L. Asbury, Bertil Hille, and Duk-Su Koh
- 273 Reverberation of excitation in neuronal networks interconnected through voltage-gated gap junction channels. Kestutis Maciunas, Mindaugas Snipas, Nerijus Paulauskas, and Feliksas F. Bukauskas

## Correction

- 289 Correction: Orai1 pore residues control CRAC channel inactivation independently of calmodulin. Franklin M. Mullins, Michelle Yen, and Richard S. Lewis

**Cover picture:** Reverberation of excitation in  $15 \times 15$  cluster of neurons caused by a stimulus applied to a single cell (red circles) located in the corner (top) or centrally (bottom). Light blue segments indicate electrical synapses exhibiting an asymmetry of I-V rectification. Colored isopotential areas show the spread of excitation (dashed arrows) from the core (dashed circles) of the reverberator (see Research Article by Maciunas et al., 273–288).