

#### EDITORIALS

- e202112908 **The Cranefield Awards**  
David A. Eisner

#### COMMENTARIES

- e202012805 **Not so transport incompetent after all: Revisiting a CLC-7 mutant sheds new mechanistic light on lysosomal physiology**  
Alessio Accardi
- e202112868 **Q-cubed mutant cues clues to CLC antiport mechanism**  
Chris Miller
- e202012831 **The taming of a scramblase**  
Jarred M. Whitlock

#### REVIEWS

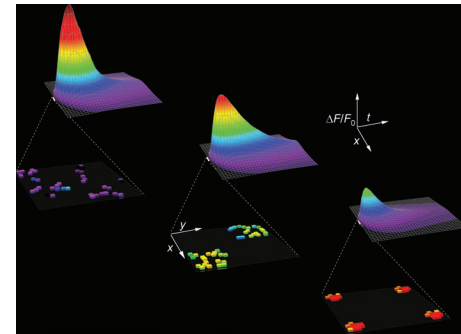
- e202012633 **FXRD proteins and sodium pump regulatory mechanisms**  
John Q. Yap, Jaroslava Seflova, Ryan Sweazey, Pablo Artigas, and Seth L. Robia
- e202012814 **The role of molecular diffusion within dendritic spines in synaptic function**  
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#### ARTICLES

- e202012592 **Detection of  $\text{Ca}^{2+}$  transients near ryanodine receptors by targeting fluorescent  $\text{Ca}^{2+}$  sensors to the triad**  
Colline Sanchez, Christine Berthier, Yves Tourneur, Laloé Monteiro, Bruno Allard, Laszlo Csernoch, and Vincent Jacquemond
- e202012784 **Fast inactivation of Nav current in rat adrenal chromaffin cells involves two independent inactivation pathways**  
Pedro L. Martinez-Espinosa, Alan Neely, Jiuping Ding, and Christopher J. Lingle
- e202012785 **Nav1.3 and FGF14 are primary determinants of the TTX-sensitive sodium current in mouse adrenal chromaffin cells**  
Pedro L. Martinez-Espinosa, Chengtao Yang, Xiao-Ming Xia, and Christopher J. Lingle
- e202012637 **A mouse model of Huntington's disease shows altered ultrastructure of transverse tubules in skeletal muscle fibers**  
Shannon H. Romer, Sabrina Metzger, Kristiana Peraza, Matthew C. Wright, D. Scott Jobe, Long-Sheng Song, Mark M. Rich, Brent D. Foy, Robert J. Talmadge, and Andrew A. Voss
- e202012676 **Resin-acid derivatives bind to multiple sites on the voltage-sensor domain of the Shaker potassium channel**  
Malin Silverå Ejneby, Arina Gromova, Nina E. Ottosson, Stina Borg, Argel Estrada-Mondragón, Samira Yazdi, Panagiotis Apostolakis, Fredrik Elinder, and Lucie Delemotte
- e202012685 **In silico simulations reveal that RYR distribution affects the dynamics of calcium release in cardiac myocytes**  
Bogdan I. Iaparov, Ivan Zahradnik, Alexander S. Moskvina, and Alexandra Zahradníková

#### COMMUNICATION

- e202012655 **DEG/ENaC/ASIC channels vary in their sensitivity to anti hypertensive and non steroidal anti inflammatory drugs**  
Sylvia Fechner, Isabel D'Alessandro, Lingxin Wang, Calvin Tower, Li Tao, and Miriam B. Goodman



#### ON THE COVER

Simulated calcium sparks (top) generated by three different cardiac dyads (bottom). The three dyads, each made of 40 RYR channels, were constructed as one, two, or four optically unresolved but functionally independent calcium release sites with different extents of clustering. Colors are code for the amplitude of average sparks (top) or the propensity of individual RYRs to generate sparks (bottom).

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