

RESEARCH NEWS

- e202112930 **Dissecting neurotransmission with artificial synapses**
Ben Short

COMMENTARIES

- e202112879 **Fast inactivation of Nav1.3 channels by FGF14 proteins: An unconventional way to regulate the slow firing of adrenal chromaffin cells**
Emilio Carbone

- e202012803 **Is Bauman's "liquid modernity" influencing the way we are doing science?**
Alicia Mattiazzi and Martín Vila-Petroff

VIEWPOINT

- e202012754 **Structure versus function: Are new conformations of pannexin 1 yet to be resolved?**
Carsten Mim, Guy Perkins, and Gerhard Dahl

ARTICLES

- e202012802 **An arginine residue in the outer segment of hASIC1a TM1 affects both proton affinity and channel desensitization**
Zhuyuan Chen, Georg Kuenze, Jens Meiler, and Cecilia M. Canessa

- e202012701 **Cannabidiol inhibits the skeletal muscle Nav1.4 by blocking its pore and by altering membrane elasticity**
Mohammad-Reza Ghovanloo, Koushik Choudhury, Tagore S. Bandaru, Mohamed A. Fouda, Kaveh Rayani, Radda Rusinova, Tejas Phaterpekar, Karen Nelkenbrecher, Abeline R. Watkins, Damon Poburko, Jenifer Thewalt, Olaf S. Andersen, Lucie Delemotte, Samuel J. Goodchild, and Peter C. Ruben

- e202012683 **Pore-forming transmembrane domains control ion selectivity and selectivity filter conformation in the KirBac1.1 potassium channel**
Marcos Matamoros and Colin G. Nichols

- e202012787 **Mechanical dysfunction of the sarcomere induced by a pathogenic mutation in troponin T drives cellular adaptation**
Sarah R. Clippinger, Paige E. Cloonan, Wei Wang, Lina Greenberg, W. Tom Stump, Paweorn Angsutararux, Jeanne M. Nerbonne, and Michael J. Greenberg

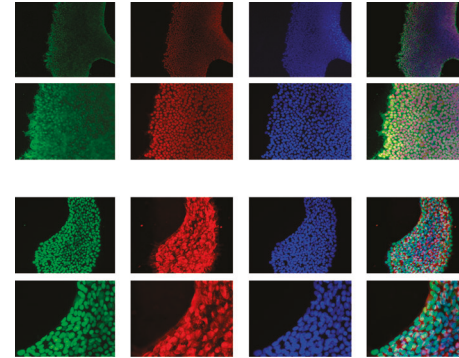
COMMUNICATIONS

- e202012849 **Recordings from neuron-HEK cell cocultures reveal the determinants of miniature excitatory postsynaptic currents**
Chung-Wei Chiang, Wen-Chi Shu, Jun Wan, Beth A. Weaver, and Meyer B. Jackson

- e201912540 **Kir4.1/Kir5.1 channels possess strong intrinsic inward rectification determined by a voltage-dependent K⁺-flux gating mechanism**
Leticia G. Marmolejo-Murillo, Iván A. Aréchiga-Figueroa, Eloy G. Moreno-Galindo, Tania Ferrer, Rodrigo Zamora-Cárdenas, Ricardo A. Navarro-Polanco, José A. Sánchez-Chapula, and Aldo A. Rodríguez-Menchaca

CORRECTION

- Correction: Thermal modulation of epicardial Ca²⁺ dynamics uncovers molecular mechanisms of Ca²⁺ alternans**
Jose Millet, Yuriana Aguilar-Sanchez, Dmytro Korniyev, Maedeh Bazmi, Diego Fainstein, Julio A. Copello, and Ariel L. Escobar



ON THE COVER

Immunofluorescence images of gene-edited human induced pluripotent stem cells showing the expression of pluripotency markers.

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