

**RESEARCH NEWS**

e202012775 **A new window into large-pore channels**  
Ben Short

**COMMENTARY**

e202012711 **Just how many holes...?**  
Gyorgy Csordas and Stephen Hurst

**REVIEW**

e201912475 **ATP synthase: Evolution, energetics, and membrane interactions**  
Jasmine A. Nirody, Itay Budin, and Padmini Rangamani

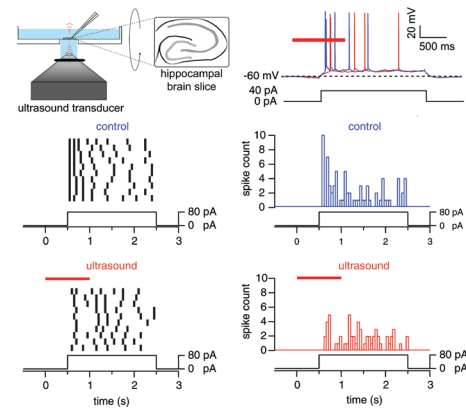
**ARTICLES**

e201912512 **Determinants of Ca<sup>2+</sup> release restitution: Insights from genetically altered animals and mathematical modeling**  
Alejandra Cely-Ortiz, Juan I. Felice, Leandro A. Díaz-Zegarra, Carlos A. Valverde, Marilén Federico, Julieta Palomeque, Xander H.T. Wehrens, Evangelia G. Kranias, Ernesto A. Aiello, Elena C. Lascano, Jorge A. Negroni, and Alicia Mattiazzi

e202012672 **Spike frequency-dependent inhibition and excitation of neural activity by high-frequency ultrasound**  
Martin Loynaz Prieto, Kamyar Firouzi, Butrus T. Khuri-Yakub, Daniel V. Madison, and Merritt Maduke

**METHODS AND APPROACHES**

e202012607 **A novel voltage-clamp/dye uptake assay reveals saturable transport of molecules through CALHM1 and connexin channels**  
Pablo S. Gaete, Mauricio A. Lillo, William López, Yu Liu, Wenjuan Jiang, Yun Luo, Andrew L. Harris, and Jorge E. Contreras



**ON THE COVER**

Ultrasound neuromodulation in acute brain slices. Top left: Ultrasound is applied to hippocampal pyramidal neurons under current clamp. Top right: Voltage traces showing inhibition of action potential firing by ultrasound. Bottom: Raster plots and spike-time histograms for control and ultrasound conditions. While this example shows inhibition of firing, ultrasound can either inhibit or potentiate firing depending on firing rate.

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