

RESEARCH NEWS

- e202213220 **A scorpion toxin takes the sting out of T cell activation**

Ben Short

ARTICLES

- e202213146 **Cm28, a scorpion toxin having a unique primary structure, inhibits KV1.2 and KV1.3 with high affinity**

Muhammad Umair Naseem, Edson Carcamo-Noriega, José Beltrán-Vidal, Jesus Borrego, Tibor G. Szanto, Fernando Z. Zamudio, Gustavo Delgado-Prudencio, Lourival D. Possani, and Gyorgy Panyi

- e202112980 **Dendritic spine morphology regulates calcium-dependent synaptic weight change**

Miriam K. Bell, Maven V. Holst, Christopher T. Lee, and Padmini Rangamani

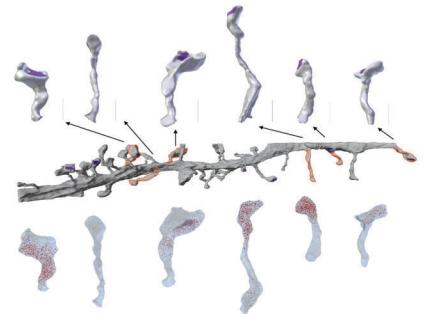
COMMUNICATIONS

- e202113027 **Gating and anion selectivity are reciprocally regulated in TMEM16A (ANO1)**

José J. De Jesús-Pérez, Ana E. López-Romero, Odalys Posadas, Guadalupe Segura-Covarrubias, Iván Aréchiga-Figueroa, Braulio Gutiérrez-Medina, Patricia Pérez-Cornejo, and Jorge Arreola

- e202213164 **TMEM120A/TACAN inhibits mechanically activated PIEZO2 channels**

John Smith Del Rosario, Matthew Gabrielle, Yevgen Yudin, and Tibor Rohacs



ON THE COVER

Reconstructed dendrite segment from hippocampal pyramidal neuron with six dendritic spines of different morphologies highlighted with their postsynaptic densities denoted in purple (top row). Simulations of stochastic calcium transients are shown in red at 15 ms for simulations in the six spines (bottom row).

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