

**COMMENTARIES**

e202012679 **ECC meets CEU-New focus on the backdoor for calcium ions in skeletal muscle cells**  
Werner Melzer

e202012725 **Zn<sup>2+</sup> to probe voltage-gated proton (Hv1) channels**  
H. Peter Larsson

**VIEWPOINT**

e202012639 **Pathways for nicotinic receptor desensitization**  
Anthony Auerbach

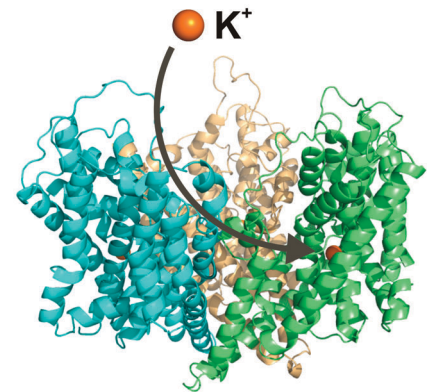
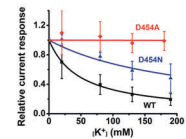
**ARTICLES**

e202012617 **Pre-assembled Ca<sup>2+</sup> entry units and constitutively active Ca<sup>2+</sup> entry in skeletal muscle of calsequestrin-1 knockout mice**  
Antonio Michelucci, Simona Boncompagni, Laura Pietrangelo, Takahiro Takano, Feliciano Protasi, and Robert T. Dirksen

e202012664 **Engineered high-affinity zinc binding site reveals gating configurations of a human proton channel**  
Vladimir V. Cherny, Boris Musset, Deri Morgan, Sarah Thomas, Susan M.E. Smith, and Thomas E. DeCoursey

e202012631 **The very low number of calcium-induced permeability transition pores in the single mitochondrion**  
Maria A. Neginskaya, Jasiel O. Strubbe, Giuseppe F. Amodeo, Benjamin A. West, Shoshana Yakar, Jason N. Bazil, and Evgeny V. Pavlov

e202012577 **Mechanism and potential sites of potassium interaction with glutamate transporters**  
Jiali Wang, Kaiqi Zhang, Puja Goyal, and Christof Grewer



**ON THE COVER**

Top: Inhibition of glutamate-induced homoexchange current by extracellular potassium for WT EAAC1 and transporters with two mutations to the proposed K1 binding site, D454A and D454N. Bottom: Illustration of binding of extracellular potassium to the K1 site. The three identical subunits of the glutamate transporter trimer are colored in blue, green, and brown.

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