

## RESEARCH NEWS

- 1333 **Determining the dynamics of cancer cell secretion**  
Ben Short

## COMMENTARIES

- 1334 **Mammalian muscle fibers may be simple as well as slow**  
John M. Squire and Pradeep K. Luther

- 1339 **Unconventional transport of metal ions and protons by Nramps**  
Gary Rudnick

- 1343 **A quantal code for touch intensity in *C. elegans***  
Katherine M. Perks and Jonathan T. Pierce

## REVIEW

- 1347 **Structural and functional insights into transmembrane AMPA receptor regulatory protein complexes**  
Edward C. Twomey, Maria V. Yelshanskaya, and Alexander I. Sobolevsky

## RESEARCH ARTICLES

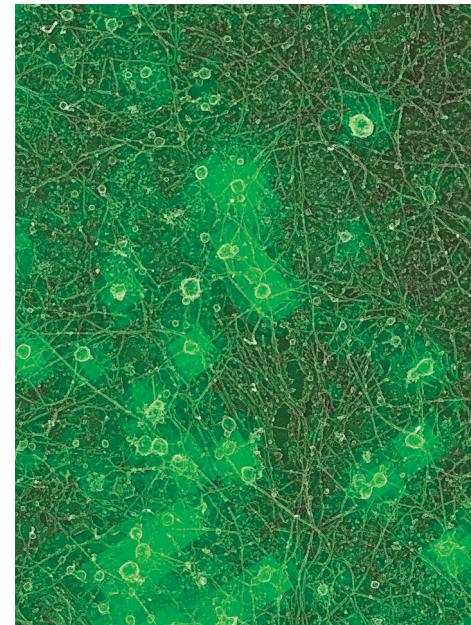
- 1357 **A channel profile report of the unusual K<sup>+</sup> channel KtrB**  
Vedrana Mikušević, Marina Schrecker, Natalie Kolesova, Miyer Patiño-Ruiz, Klaus Fendler, and Inga Hänelt

- 1369 **Outer hair cell electromotility is low-pass filtered relative to the molecular conformational changes that produce nonlinear capacitance**  
Joseph Santos-Sacchi, Kuni H. Iwasa, and Winston Tan

- 1386 **Spatiotemporal organization and protein dynamics involved in regulated exocytosis of MMP-9 in breast cancer cells**  
Dominique C. Stephens, Nicole Osunsanmi, Kem A. Sochacki, Tyrel W. Powell, Justin W. Taraska, and Dinari A. Harris

- 1404 **Lattice arrangement of myosin filaments correlates with fiber type in rat skeletal muscle**  
Weikang Ma, Kyoung Hwan Lee, Shixin Yang, Thomas C. Irving, and Roger Craig

- 1413 **Unique structural features in an Nramp metal transporter impart substrate-specific proton cotransport and a kinetic bias to favor import**  
Aaron T. Bozzi, Lukas B. Bane, Christina M. Zimanyi, and Rachelle Gaudet



## ON THE COVER

Secretory vesicles containing MMP9-GFP near the plasma membrane of MCF-7 breast cancer cells. Overlay of TIRF MMP9-GFP image (green) and platinum replica TEM image (gray) of a MCF-7 cell plasma membrane sheet. Note the presence of other unlabeled membrane structures found on the MCF-7 cell membrane (e.g., actin filaments are visible all around the secretory vesicles).

Image © Stephens et al., 2019.  
See <https://doi.org/10.1085/jgp.201812299>.