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 - p73 helps developing sperm stick to the right path
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- 1083** Uniform nomenclature for the mitochondrial contact site and cristae organizing system
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- 1087** Mitochondrial trafficking and anchoring in neurons: New insight and implications
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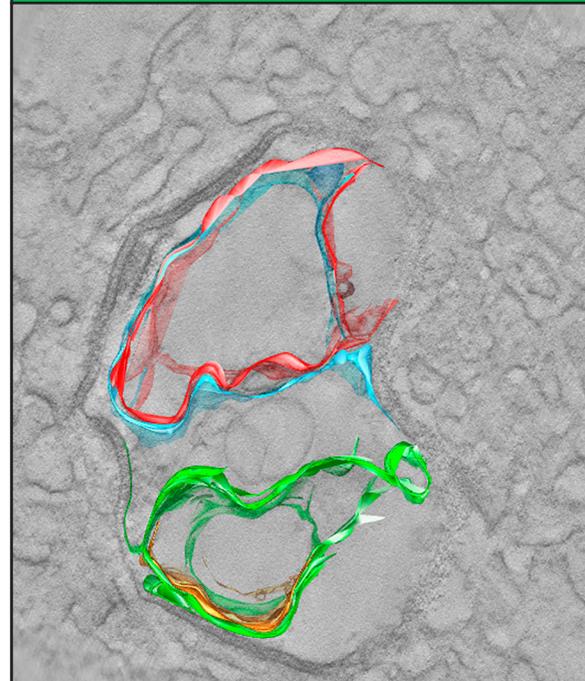
RESEARCH ARTICLES

Reports

- 1099** SUN proteins facilitate the removal of membranes from chromatin during nuclear envelope breakdown
Yagmur Turgay, Lysie Champion, Csaba Balazs, Michael Held, Alberto Toso, Daniel W. Gerlich, Patrick Meraldi, and Ulrike Kutay
- 1111** Ensconsin/Map7 promotes microtubule growth and centrosome separation in *Drosophila* neural stem cells
Emmanuel Gallaud, Renaud Caous, Aude Pascal, Franck Bazile, Jean-Philippe Gagné, Sébastien Huet, Guy G. Poirier, Denis Chrétien, Laurent Richard-Parpaillon, and Régis Giet

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- 1123** Complexin synchronizes primed vesicle exocytosis and regulates fusion pore dynamics
Madhurima Dhara, Antonio Yarzagaray, Yvonne Schwarz, Soumyajit Dutta, Chad Grabner, Paanteha K. Moghadam, Anneka Bost, Claudia Schirra, Jens Rettig, Kerstin Reim, Nils Brose, Ralf Mohrmann, and Dieter Bruns
- 1141** Dynamin photoinactivation blocks Clathrin and α -adaptin recruitment and induces bulk membrane retrieval
Jaroslaw Kasprovicz, Sabine Kuenen, Jef Swerts, Katarzyna Miskiewicz, and Patrik Verstreken

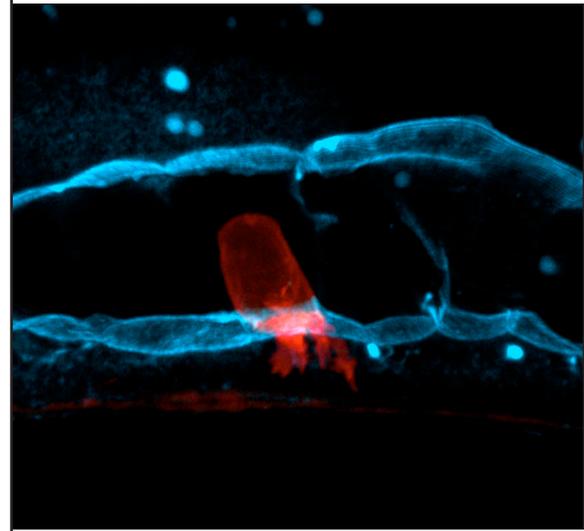


On the cover

Surface rendering of an electron tomogram shows the large membrane cisternae that accumulate in the synaptic boutons of *shi^{ts1}; shi-4C* flies after photoinactivation of the GTPase *shibire/dynamin*. Kasprovicz et al. reveal that, in addition to its well-known role in vesicle scission, dynamin helps recruit clathrin to the presynaptic membrane at the initial stages of endocytosis, a step that inhibits bulk membrane retrieval. Separate cisternae are labeled with different colors. Image prepared by Katarzyna Miskiewicz.

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- 1157** Retrograde neurotrophin signaling through Tollo regulates synaptic growth in *Drosophila*
Shannon L. Ballard, Daniel L. Miller, and Barry Ganetzky
- 1173** TAp73 is essential for germ cell adhesion and maturation in testis
Lena Holembowski, Daniela Kramer, Dietmar Riedel, Raffaella Sordella, Alice Nemažerova, Matthias Döbelstein, and Ute M. Moll
- 1191** p53-mediated activation of the mitochondrial protease HtrA2/Omi prevents cell invasion
Shota Yamauchi, Yan Yan Hou, Alvin Kunyao Guo, Hiroaki Hirata, Wataru Nakajima, Ai Kia Yip, Cheng-han Yu, Ichiro Harada, Keng-Hwee Chiam, Yasuhiro Sawada, Nobuyuki Tanaka, and Keiko Kawauchi
- 1209** ADF/cofilin promotes invadopodial membrane recycling during cell invasion in vivo
Elliott J. Hagedorn, Laura C. Kelley, Kaleb M. Naegeli, Zheng Wang, Qiuyi Chi, and David R. Sherwood
- 1219** Functionally distinct PI 3-kinase pathways regulate myelination in the peripheral nervous system
Bradley A. Heller, Monica Ghidinelli, Jakob Voelkl, Steven Einheber, Ryan Smith, Ethan Grund, Grant Morahan, David Chandler, Luba Kalaydjieva, Filippo Giaccotti, Rosalind H. King, Aniko Naray Fejes-Toth, Gerard Fejes-Toth, Maria Laura Feltri, Florian Lang, and James L. Salzer



Hagedorn et al. reveal that UNC-60A, the *C. elegans* homologue of the actin-severing protein cofilin, promotes invasion of the worm's anchor cell (red) through its underlying basement membrane (blue) during development. Image © 2014 Hagedorn et al. See page 1209.