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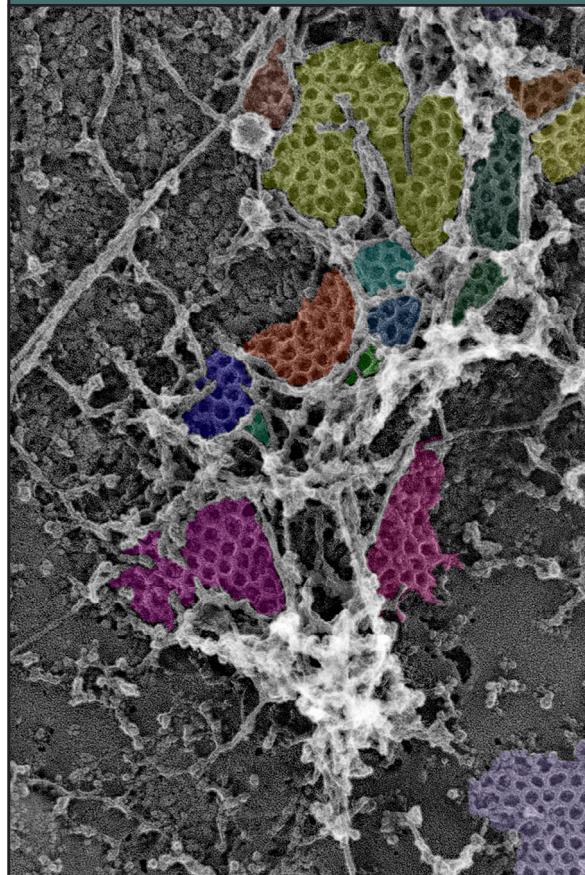
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On the cover

Quick-freeze, deep-etch transmission electron microscopy of myotube plasma membranes shows an abundance of large clathrin lattices (depicted in various pseudocolors) associated with branched actin filaments. Vassilopoulos et al. reveal that these clathrin plaques help to organize skeletal muscle sarcomeres and attach them to the muscle cell membrane. Image © 2014 Vassilopoulos et al.

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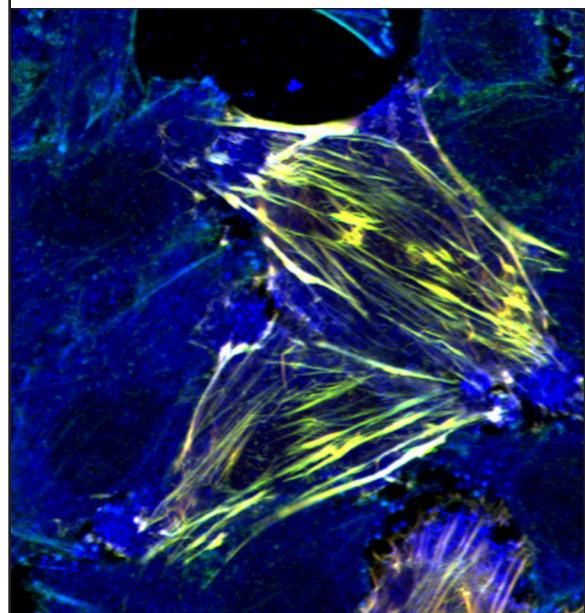
Plasma membrane phosphoinositide balance regulates cell shape during *Drosophila* embryo morphogenesis

Alessandra Reversi, Eva Loeser, Devaraj Subramanian, Carsten Schultz, and Stefano De Renzis

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Tenascin-X promotes epithelial-to-mesenchymal transition by activating latent TGF- β

Lindsay B. Alcaraz, Jean-Yves Exposito, Nicolas Chuvin, Roxane M. Pommier, Caroline Cluzel, Sylvie Martel, Stéphanie Sentiis, Laurent Bartholin, Claire Lethias, and Ulrich Valcourt



HeLa cells expressing a *Drosophila* protein called Bottleneck (red) form stable, cytochalasin D-resistant stress fibers containing large amounts of F-actin (green) but little myosin II (blue). Reversi et al. describe how, in early *Drosophila* embryos, Bottleneck and the phospholipid PI(3,4,5)P₃ counteract PI(4,5)P₂-mediated actomyosin contractility to regulate cell shape during blastoderm cellularization.

Image © 2014 Reversi et al.

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