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Cover photograph (Copyright © 2011, American Society for Microbiology. All Rights Reserved.): Armadillo (green) and myosin (red) localization early (first [top] and second images) and late (third and fourth images) in ventral furrow formation in wild-type *Drosophila* embryos (first and third images) and *traf4*³ germ line clone-derived embryos (second and fourth images) visualized using immunofluorescence with antibodies against each protein. Armadillo is localized in a broader-than-normal domain in the mesoderm, and its apical accumulation is faulty in early *traf4*³ germ line clone-derived embryos, while apical Armadillo accumulation is less efficient later on. Apical myosin accumulation is also less pronounced in *traf4*³ germ line clone-derived embryos both early and late. (See related article on p. 4978.)