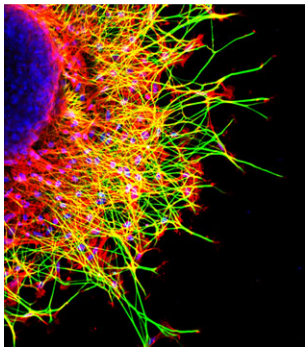
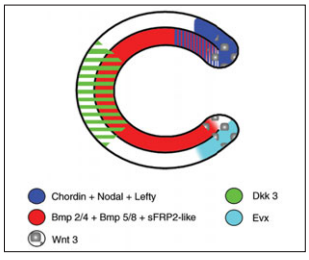
Development



Cover: Confocal image showing sensory axons extending from a cultured dorsal root ganglion. Neurofilament M antibody labels axon shafts (green); phalloidin labels F-actin concentrated in growth cones and the leading edges of cells (red); and DAPI labels nuclei (blue). The response of sensory axons to guidance information is regulated by type III neuregulin 1. **See article by Hancock et al. on p. 4887.**



As part of the Evolutionary Crossroads in Developmental Biology series, Bertrand and Escriva introduce amphioxus and discuss how studies of this model have informed us about the evolution of vertebrate traits. **See Primer on p. 4819.**