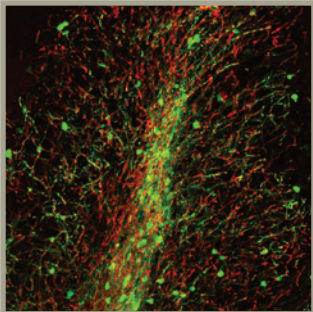


nature neuroscience



In this issue, Philippidou and colleagues show that *Hox5* genes are essential for the organization, survival and axonal branching of motor neurons required for breathing. Unexpectedly, this requirement for *Hox5* activity persists to later developmental stages. On the cover is a whole-mount staining of an E12.5 *Hb9::GFP* embryo. The two sides are mirror images, but the phrenic nerve on the right site has been artificially thinned to represent the *Hox5* mutant mouse phenotype. Superimposed are wild-type and mutant diaphragms of E18.5 whole-mount images. (pp 1607 and 1636)



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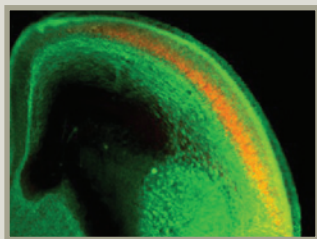
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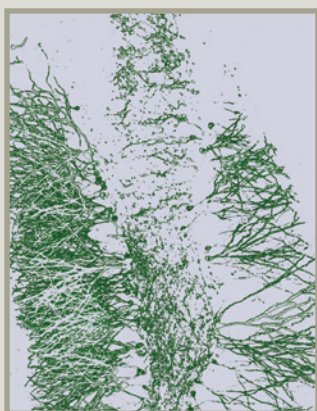
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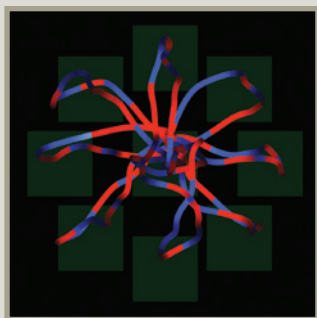
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