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Cover legend: Superimposed differential interference contrast (DIC) and fluorescence images of hippocampal neurons cultured for 7 days on a micropatterned substrate that allows axons (green) and dendrites (blue) to grow only along defined paths. Incubating cultures for 24 h with poly-D-lysine beads induces formation of synaptophysin-positive presynaptic-like puncta (red) selectively along isolated axons in the absence of dendritic contact. For more information, see the article by Lucido et al. in this issue (pages 12449–12466).

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Correction: In the left column of “This Week in The Journal,” which appeared on page i of the July 22, 2009 issue, there was an error. It stated that DiO sits in the outer leaflet of the plasma membrane. This is incorrect. At resting membrane potentials, DiO sits primarily in the inner leaflet.

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