Rapid turnover of actin in dendritic spines and its regulation by activity

Erin N. Star, David J. Kwiatkowski and Venkatesh N. Murthy Nat. Neurosci. 5, 239-246 (2002)

Due to a printing error, the green in Fig. 2a was difficult to see. The corrected figure is reprinted below.

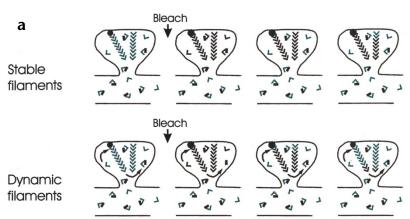


Fig. 2. (a) Illustration of the FRAP method. Fluorescent actin monomers (green barbs) and filaments are free or bound to mobile or immobile proteins (black rectangles and circles), and the binding affinities can be regulated. Selective photobleaching of actin in the spine is followed by rapid exchange of mobile monomers (free and bound) with the dendritic region and recovery of fluorescence. If actin filaments do not turn over, filamentous actin will remain nonfluorescent (top panels) and the spine will not recover its fluorescence. On the other hand, if filaments are turning over rapidly, fluorescent monomers will be continuously incorporated into them and the bleached actin monomers will be exchanged out of the spine. The spine will thus recover its fluorescence (bottom panels).

Cooperation between independent hippocampal synapses is controlled by glutamate uptake

Nina Arnth-Jensen, Denis Jabaudon and Massimo Scanziani *Nat. Neurosci.* **5**, 325–331(2002)

Due to a proof correction error, a sentence on page 329 beginning on line 19 was misprinted as "The amplitude-weighted average time course of the NMDAR-mediated EPSCs when the two pathways were simultaneously stimulated with four 100-Hz stimuli every 6 s was slower than that of EPSCs evoked by independent stimulation of the two pathways (8 \pm 1%; P < 0.0005; n = 6)." This sentence should have read, "NMDAR-mediated EPSCs evoked when the two pathways were simultaneously stimulated with four 100-Hz stimuli every 6 s were slower than the amplitude-weighted average time course of EPSCs evoked by independent stimulation of the two pathways $(8 \pm 1\%; P < 0.0005; n = 6)$."

corrigenda

Glial cells generate neurons: the role of the transcription factor Pax6

Nico Heins, Paolo Malatesta, Francesco Cecconi, Masato Nakafuku, Kerry Lee Tucker, Michael A. Hack, Prisca Chapouton, Yves-Alain Barde and Magdalena Götz *Nat. Neurosci.* **5**, 308–315 (2002)

The authors wish to correct the affilitation of Yves-Alain Barde, which is ⁴Friedrich Miescher Institute for Biomedical Research, Basel, Switzerland. In addition, the size of the coding sequence of Pax6 inserted into the retroviral vector was incorrectly reported as 783 bp on page 314. The correct size is 1873 bp.