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Cover legend: An afferent fiber in the posterior lateral line of a live zebrafish, labeled with the membrane-bound fluorescent protein mCherry under the control of a neuronal promoter, contacts a neuromast whose hair cells express green fluorescent protein. In this binary model of neuronal specificity, each axon synapses selectively with hair cells of only a single orientation, in this instance those responsive to ventrally directed water movements. For more information, see the article by Nagiel et al. in this issue (pages 8442–8453).

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Correction: In the "This Week in the Journal" section of the July 30, 2008 issue, the summary of the Neurobiology of Disease article by Wisman et al. was mistakenly entitled "Dopamine and Noradrenaline Interactions in Learning." The title should have read "Dopamine and Acetylcholine Interactions in Learning."

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