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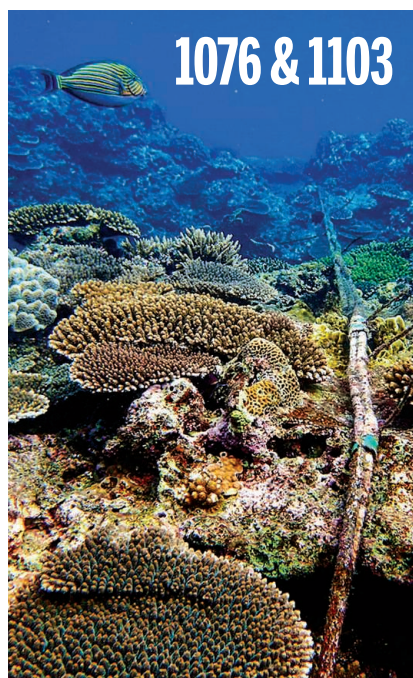
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Nerve cells from the mouse brain, densely reconstructed in this volume. For a century, neuron reconstruction in the cerebral cortex showed only ~1 in 1000 nerve cells (black); now researchers can use

3D electron microscopy and AI-based image analysis to reconstruct all of them (gray). The connectivity matrix between thousands of axons and dendrites can be measured, yielding insights about the formational patterns of brain circuits and possible imprints of learning in the neuronal network. See page 1093. *Image: V. Altonian/Science; Data: A. Motta et al., Science 366 eaay3134 (2019)*

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