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ON THE COVER

Image from the laboratory of the 2014 Nobel Prize winner for chemistry, Eric Betzig, showing neurons in the brain of a live zebrafish embryo. Sample-induced aberrations often degrade imaging quality in multicellular specimens, but a clear view was obtained here by using adaptive optics, the same technology used to view distant astronomical objects through Earth’s turbulent atmosphere. For more on imaging, see page 439 and dx.doi.org/10.1126/science.1257998.

Image: Kai Wang, Eric Betzig, Janelia Research Campus; Jeff Mumm, Johns Hopkins University