This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Imaging			
Fluorescence microscopy for 3D imaging of cells	Biplane fluorescence photoactivation localization microscopy (BP FPALM) could be useful for detecting subcellular disease-associated processes that were previously detectable only by electron tomography (sectional imaging). The method imaged layers of 40 nm diameter fluorescent beads at a resolution of about 30 nm laterally and 75 nm axially, which is superior to the 100 nm resolution of 3D light microscopy. The BP FPALM technology is compatible with live-cell imaging. Next steps include developing photosensitive imaging markers and probes.	Two patent applications filed for 3D FPALM; available for licensing from The Jackson Laboratory	Juette, M.F. *et al. Nat. Methods*; published online May 11, 2008; doi:10.1038/nmeth.1211 **Contact:** Joerg Bewersdorf, The Jackson Laboratory, Bar Harbor, Maine e-mail: joerg.bewersdorf@jax.org