This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Imaging			
In vivo imaging of early Alzheimer's disease (AD)	Multiphoton microscopy could offer improved temporal resolution over other methods for AD imaging in mice and allow real-time detection of the initial formation and growth of amyloid plaques. The method revealed that mice expressing human amyloid precursor protein (APP)-YFP had rapid alterations in neuronal morphology and elevated microglial recruitment in response to amyloid deposition compared with wild-type controls. Next steps might include using the technique to examine the mechanism of AD therapeutics in preclinical and clinical development. Further refinement of the imaging technology could aid the screening of potential therapeutics.	Patent details undisclosed; multiphoton microscopy technology is available for licensing through Cornell University Office of Technology, Enterprise and Commercialization	Meyer-Luehmann, M. *et al. Nature*; published online Feb. 7, 2007; doi:10.1038/nature06616 **Contact:** Bradley Hyman, Harvard Medical School, Charlestown, Mass. e-mail: bhyman@partners.org