This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Imaging			
<i>In vivo</i> imaging of CD8 ⁺ T cells using radiolabeled antibody fragments	<p>Mouse studies suggest radiolabeled antibody fragments targeting CD8 could help monitor leukemia disease progression. Two antibody fragments based on mouse Cd8-depleting antibodies were designed that maintained antigen binding but did not deplete T cells. In normal mice, immuno-PET imaging detected accumulation of radiolabeled antibody fragments in the spleen and lymph nodes; the accumulation was decreased in Cd8-depleted, Cd8-blocked or immunodeficient mice. Next steps include designing an anti-human CD8 antibody fragment for clinical imaging.</p> <p>SciBX 7(5); doi:10.1038/scibx.2014.158 Published online Feb. 6, 2014</p>	Patent application filed; licensing negotiations ongoing; unavailable for licensing	<p>Tavaré, R. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online Jan. 3, 2014; doi:10.1073/pnas.1316922111</p> <p>Contact: Anna M. Wu, University of California, Los Angeles, Calif. e-mail: awu@mednet.ucla.edu</p>