This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Imaging			
Faster stimulated Raman scattering (SRS) for <i>in vivo</i> tissue imaging	<p>A faster SRS-based method for <i>in vivo</i> tissue imaging could be used to diagnose disease and monitor treatment. The imaging speed was increased from 100 μs to 100 ns by improving the intensity of the laser beam and the amplifier response time. In mice, the method was used to image the motions of lipids, water and protein in skin. In mice and humans, the method monitored the penetration of chemicals into the skin. Next steps include using SRS to image a wide range of diseased and healthy tissue.</p> <p>SciBX 4(1); doi:10.1038/scibx.2011.30 Published online Jan. 6, 2011</p>	Patent application filed; licensing status unavailable	<p>Saar, B.G. <i>et al. Science</i>; published online Dec. 3, 2010; doi:10.1126/science.1197236</p> <p>Contact: X. Sunney Xie, Harvard University, Cambridge, Mass. e-mail: xie@chemistry.harvard.edu</p>