

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Imaging			
Stimulated Raman scattering (SMS) microscopy for label-free imaging of tumor-infiltrated brain tissues during surgery	<p>Mouse studies suggest SRS microscopy could help detect tumor margins during brain cancer surgery without using a molecular label. In mice with human glioblastoma multiforme xenografts, SRS imaging was able to differentiate tumor tissue from normal brain tissue <i>ex vivo</i> and during surgery and was comparable to microscopy using the hematoxylin and eosin (H&E) stain. In brain samples from patients with glioblastoma, SRS imaging results corresponded with tumor margins identified with H&E staining. Next steps include developing a clinical system for the technology and establishing safety and efficacy.</p> <p>SciBX 6(39); doi:10.1038/scibx.2013.1116 Published online Oct. 10, 2013</p>	Findings patented; Leica Microsystems GmbH has co-exclusive rights for research microscopy; Invenio Imaging Inc. has an option for a co-exclusive research microscopy license and an exclusive license in all other fields; unavailable for licensing	<p>Ji, M. <i>et al. Sci. Transl. Med.</i>; published online Sept. 4, 2013; doi:10.1126/scitranslmed.3005954</p> <p>Contact: X. Sunney Xie, Harvard University, Cambridge, Mass. e-mail: xie@chemistry.harvard.edu</p>