This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Imaging			
Imaging of stabilized lung fragments without disrupting blood flow or ventilation	A lung imaging technique could help monitor immune response and lung pathology without disrupting ventilation or pulmonary blood flow. In mice placed on a ventilator, two-photon imaging monitored the lung and measured neutrophil mobilization and blood flow velocity. In mice with chemokine CXC motif ligand 2 (Cxcl2; Mip2)-induced inflammation or ventilator-induced lung injury, the technique imaged neutrophil response and vascular leakage. Next steps could include further miniaturization and optical modifications of the device to monitor the lung during therapeutic intervention.	Patent and licensing status unavailable	Looney, M.R. <i>et al. Nat. Methods</i> ; published online Dec. 12, 2010; doi:10.1038/nmeth.1543 Contact: Matthew F. Krummel, University of California, San Francisco, Calif. e-mail: matthew.krummel@ucsf.edu
	<i>SciBX</i> 4(2); doi:10.1038/scibx.2011.60 Published online Jan. 13, 2011		