This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Imaging			
MRI visualization of lung disease using ^{129}Xe gas	<p>Visualization of inhaled ^{129}Xe gas could help detect lung disease and aid the development of respiratory drugs. Patients inhaled ^{129}Xe for 20 seconds while MRI generated 2D and 3D images of gas uptake in the lungs. Patients with asthma and chronic obstructive pulmonary disease (COPD) had spatial variations in gas uptake and ventilation compared with healthy controls. Next steps include imaging additional patients with lung disease, including those with cystic fibrosis (CF) and idiopathic pulmonary fibrosis (IPF).</p> <p>SciBX 4(1); doi:10.1038/scibx.2011.31 Published online Jan. 6, 2011</p>	Patent and licensing status unavailable	<p>Mugler, J.P. III <i>et al.</i> <i>Proc. Natl. Acad. Sci. USA</i>; published online Nov. 22, 2010; doi:10.1073/pnas.1011912107 Contact: John P. Mugler III, University of Virginia, Charlottesville, Va. e-mail: John.Mugler@virginia.edu</p>