This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Disease models			
Zinc finger nuclease (ZFN)-mediated genome editing to generate isogenic, pluripotent cell lines	<p>ZFN-mediated genome editing on pluripotent cell lines could help create new pairs of cell lines for modeling human diseases. As proof of concept, ZFNs were used to insert Parkinson's disease (PD)-causing point mutations into human embryonic and induced pluripotent stem (iPS) cells. ZFNs also were used to repair PD-causing point mutations in patient-derived iPS cells. Next steps could include using ZFN-mediated genome editing to generate isogenic cell line pairs for other diseases. Sangamo BioSciences Inc. has ZFN-based compounds in clinical and preclinical testing for multiple indications.</p> <p>SciBX 4(30); doi:10.1038/scibx.2011.862 Published online Aug. 4, 2011</p>	<p>Sangamo BioSciences has multiple patents covering the design and use of ZFNs for research and therapeutic applications; licensing status unavailable</p>	<p>Soldner, F. <i>et al. Cell</i>; published online July 14, 2011; doi:10.1016/j.cell.2011.06.019 Contact: Rudolf Jaenisch, Whitehead Institute for Biomedical Research, Cambridge, Mass. e-mail: jaenisch@wi.mit.edu</p>