This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Disease models			
Tissue transgenic mouse model of human breast cancer	<p>Tissue transgenic mouse models of human breast cancer could be used to test therapeutics. Previous work showed that normal human breast tissue could be mimicked by implanting primary human breast epithelial cells and immortalized human fibroblasts into the mammary fat pads of mice. The same system was used to mimic human breast tumors by varying gene expression in the epithelial cells. Tumor development in the mouse ranged from hyperplasia, human ductal carcinoma <i>in situ</i> and invasive human breast adenocarcinoma to highly malignant human carcinoma, depending on the manipulated genes. Next steps could include utilizing the model to screen small molecule libraries for breast cancer therapeutics.</p> <p>SciBX 2(16); doi:10.1038/scibx.2009.680 Published online April 23, 2009</p>	Patent and licensing status unavailable	<p>Wu, M. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online April 6, 2009; doi:10.1073/pnas.0811785106 Contact: Murray O. Robinson, Aveo Pharmaceuticals Inc., Cambridge, Mass. e-mail: mrobinson@aveopharma.com Contact: Charlotte Kuperwasser, Tufts University School of Medicine, Boston, Mass. e-mail: Charlotte.Kuperwasser@tufts.edu</p>