This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Disease models			
A transgenic, human <i>pregnane X receptor (PXR)</i> -expressing mouse model of type 2 diabetes	Transgenic mice expressing human <i>PXR</i> could be used to study the role of PXR in type 2 diabetes and screen for drugs to treat the indication. In mice fed a high-fat diet, transgenic expression of human <i>PXR</i> increased glucose intolerance, levels of circulating insulin and glucose and other symptoms of diabetes and decreased obesity compared with wild-type mouse <i>Pxr</i> expression. Future studies could include assessing PXR activity in tissues associated with human diabetes and using the transgenic model to screen for PXR inhibitors.	Patent and licensing status unavailable	Spruiell, K. <i>et al. J. Biol. Chem.</i> ; published online Dec. 20, 2013; doi:10.1074/jbc.M113.494575 Contact: Maxwell A. Gyamfi, North Carolina Central University, Durham, N.C. e-mail: mgyamfi@nccu.edu
	SciBX 7(5); doi:10.1038/scibx.2014.153 Published online Feb. 6, 2014		