This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Disease models			
CD1-expressing transgenic mouse models of <i>Mycobacterium tuberculosis</i> infection	Mice engineered to express human CD1 molecules could serve as a model of tuberculosis to help guide development of TB vaccines. In <i>M. tuberculosis</i> -infected patients, three CD1 molecules—CD1A, CD1B and CD1C—are more highly expressed on antigen-presenting cells than on those in healthy individuals. In transgenic mice that expressed the three molecules, <i>M. tuberculosis</i> infection induced a strong immune response mediated by CD1-expressing cells. Ongoing work in the model includes identifying which <i>M. tuberculosis</i> antigens stimulate the strongest immune response and developing a TB vaccine.	Unpatented; unlicensed	Felio, K. <i>et al. J. Exp. Med.</i> ; published online Oct. 5, 2009; doi:10.1084/jem.20090898 Contact: Chyung-Ru Wang, Northwestern University, Chicago, Ill. e-mail: chyung-ru-wang@northwestern.edu
	SciBX 2(40); doi:10.1038/scibx.2009.1517 Published online Oct. 15, 2009		