This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Disease models			
Humanized immune mouse model for personalized medicine	<p>A mouse model of the human immune response could help evaluate new immunotherapies. In immunodeficient mice, transplantation of a T cell-depleted fetal thymus graft and adult CD34⁺ bone marrow stem cells led to mice with a reconstituted human immune system, including human B cells, T cells and monocytes. Similar mice created with bone marrow stem cells from a patient with type 1 diabetes showed a different T cell profile than mice derived from bone marrow stems cells from healthy control volunteers. Next steps include further development of the diabetes model and extending the work to a model of lupus.</p> <p>SciBX 5(15); doi:10.1038/scibx.2012.400 Published online April 12, 2012</p>	Patent application filed; licensing status not applicable	<p>Kalscheuer, H. <i>et al. Sci. Transl. Med.</i>; published online March 14, 2012; doi:10.1126/scitranslmed.3003481 Contact: Megan Sykes, Columbia University, New York, N.Y. e-mail: megan.sykes@columbia.edu</p>