This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Transplantation				
Graft-versus-host disease (GvHD)	IL-21; inducible T cell co-stimulator (ICOS); CD40; CXC chemokine receptor 5 (CXCR5)	<p>Mouse studies suggest inhibiting the effects of T follicular helper cells could help treat chronic GvHD and associated bronchiolitis. In a mouse model of chronic GvHD, transplantation of T cells deficient in CXCR5 improved bronchiolitis symptoms by increasing pulmonary function and decreasing antibody and collagen deposition in the lungs compared with transplantation of wild-type T cells. In the model, antibodies against IL-21, ICOS or CD40, which are all involved in T cell IL-21 production, improved bronchiolitis symptoms compared with a control antibody. Next steps could include determining the most effective strategy to block T follicular helper cell function.</p> <p>SciBX 7(25); doi:10.1038/scibx.2014.746 Published online June 26, 2014</p>	Patent and licensing status unavailable	<p>Flynn, R. <i>et al. Blood</i>; published online May 12, 2014; doi:10.1182/blood-2014-03-562231 Contact: Bruce R. Blazar, University of Minnesota, Minneapolis, Minn. e-mail: blaza001@umn.edu</p>