This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Transplantation				
Graft-versus-host disease (GvHD)	Major histocompatibility complex (MHC)	<p>A retrospective SNP analysis suggests screening for rs887464 and rs2281389 could lower risk of GvHD. The study included 4,205 transplants and analyzed a 4.9 Mb MHC region encompassing 1,120 SNPs. In a SNP analysis of patients and donors that had undergone human leukocyte antigen (HLA)-matched donor hematopoietic cell transplantation, donor-recipient mismatch of rs887464 was associated with decreased disease-free survival and mismatch of rs2281389 was associated with increased risk for acute GvHD compared with matching of the SNPs. Next steps could include testing the effects of matching rs887464 and rs2281389 between donors and recipients in a prospective study.</p> <p>SciBX 5(33); doi:10.1038/scibx.2012.874 Published online Aug. 23, 2012</p>	Patent and licensing status undisclosed	<p>Petersdorf, E.W. <i>et al. Sci. Transl. Med.</i>; published online July 25, 2012; doi:10.1126/scitranslmed.3003974 Contact: Effie W. Petersdorf, University of Washington, Seattle, Wash. e-mail: epetersd@fhcrc.org</p>