This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Transplantation				
Graft-versus-host disease (GvHD)	PD-1 receptor (PDCD1; PD-1; CD279); programmed cell death 1 ligand 1 (CD274 molecule; PD-L1; B7-H1)	<p>Studies in mice suggest that blocking interactions between PD-1 and PD-L1 could help restore CD8⁺ T cell function without inducing GvHD during bone marrow transplantation. In a mouse model of T cell exhaustion, an anti-PD-L1 antibody partially restored T cell functionality compared with a control antibody. Next steps could include looking at anti-PD-L1 therapy in additional animal models of GvHD.</p> <p>At least four companies have compounds targeting PD-1 in Phase I testing or earlier for various cancers.</p> <p>SciBX 3(43); doi:10.1038/scibx.2010.1301 Published online Nov. 4, 2010</p>	Patent and licensing status unavailable	<p>Flutter, B. <i>et al. J. Clin. Invest.</i>; published online Oct. 18, 2010; doi:10.1172/JCI41446</p> <p>Contact: Ronjon Chakraverty, University College London, London, U.K. e-mail: r.chakraverty@medsch.ucl.ac.uk</p>