This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Hematology				
Stem cell transplant	Stem cell factor receptor tyrosine kinase (c-Kit; KIT; CD117)	<p>Studies in mice suggest that an antibody against KIT plus low-dose radiation could increase engraftment in hematopoietic stem cell transplant. In immunocompetent mice, intraperitoneal administration of a KIT antibody and low-dose radiation decreased repopulation of hematopoietic stem cells and increased donor cell engraftment compared with administration of antibody or radiation alone. Next steps include tests of the combination in nonhuman primate models of undisclosed diseases.</p> <p>At least four companies have inhibitors of KIT in development stages ranging from Phase I to Phase III to treat cancer and autoimmune diseases.</p> <p>SciBX 3(39); doi:10.1038/scibx.2010.1184 Published online Oct. 7, 2010</p>	Unpatented; licensing status undisclosed	<p>Xue, X. <i>et al. Blood</i>; published online Sept. 3, 2010; doi:10.1182/blood-2010-07-295949</p> <p>Contact: Mary C. Dinauer, Indiana University School of Medicine, Indianapolis, Ind. e-mail: dinauer_m@kids.wustl.edu</p>