This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Hepatic disease				
Hepatic	Inhibitor of DNA binding 1 (ID1); VEGF receptor 2 (KDR/Flk-1; VEGFR-2)	<p>Studies in mice suggest that co-transplantation of hepatocytes and <i>VEGFR-2⁻/ID1⁺</i> liver sinusoidal endothelial cells could improve liver regeneration. In mice that received partial hepatectomies, <i>Vegfr-2</i> deficiency in liver sinusoidal endothelial cells or global <i>Id1</i> deficiency resulted in less liver regeneration than that in nondeficient controls. In <i>Id1</i>-deficient mice receiving partial hepatectomies, engraftment of Id1-expressing liver sinusoidal endothelial cells restored liver regeneration compared with engraftment of the same cells deficient in Id1. Next steps could include developing a co-transplantation protocol to deliver both hepatocytes and <i>VEGFR-2⁻/ID1⁺</i> liver sinusoidal endothelial cells.</p> <p>SciBX 3(46); doi:10.1038/scibx.2010.1385 Published online Dec. 2, 2010</p>	<p>Patent application filed covering use in liver regeneration; available for licensing from the Cornell University Center for Technology Enterprise & Commercialization</p> <p>Contact: Carol J. Dempster, Weill Cornell Medical College, New York, N.Y. e-mail: cjd2004@med.cornell.edu</p>	<p>Ding, B.-S. <i>et al. Nature</i>; published online Nov. 10, 2010; doi:10.1038/nature09493</p> <p>Contact: Shahin Rafii, Weill Cornell Medical College, New York, N.Y. e-mail: srafi@med.cornell.edu</p>