This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Hematology				
Thrombocytopenia	Growth hormone 1 (GH1); thrombopoietin receptor (CD110; MPL)	<i>In vitro</i> and mouse studies suggest combined stimulation of MPL and GH1 could help treat thrombocytopenia. In human primary megakaryocytes, recombinant human GH1 or GH1 fused to a dimer of an MPL-stimulating thrombopoietin mimetic peptide (dTMP) increased platelet production compared with no treatment or dTMP alone. In mice with severe, radiation-induced thrombocytopenia, the GH1-dTMP fusion protein increased survival and the rate of platelet recovery compared with dTMP alone. Next steps could include testing the fusion protein in additional animal models.	Patent and licensing status unavailable	Xu, Y. <i>et al. Blood</i> ; published online Feb. 19, 2014; doi:10.1182/blood-2013-09-525402 Contact: Junping Wang, Third Military Medical University, Chongqing, China e-mail: wangjunping@tmmu.edu.cn
SciBX 7(12); doi:10.1038/scibx.2014.348 Published online March 27, 2014				