This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Hematology				
Thrombocytopenia	Chemokine CXC motif ligand 12 (CXCL12; SDF-1)	<p>Mouse studies suggest SDF-1 could help treat thrombocytopenia. In mice, i.v. SDF-1 or stabilization of endogenous SDF-1 with a dipeptidyl peptidase-4 (DPP-4; CD26) inhibitor increased migration of platelet-producing megakaryocytes to the vasculature and increased circulating platelet levels compared with vehicle. In irradiated mice, thrombopoietin plus SDF-1 increased circulating platelet levels compared with either treatment alone. Next steps include studying the long-term effects of SDF-1 on megakaryocytes.</p> <p>SciBX 7(20); doi:10.1038/scibx.2014.580 Published online May 22, 2014</p>	Unpatented; license status not applicable	<p>Niswander, L.M. <i>et al. Blood</i>; published online April 15, 2014; doi:10.1182/blood-2014-01-547638 Contact: James Palis, University of Rochester Medical Center, Rochester, N.Y. e-mail: james_palis@urmc.rochester.edu</p>