This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Hematology				
Hematologic mobilization	Not applicable	<p>Mouse studies suggest the nucleotide sugar uridine diphosphate glucose (UDP-glucose) could be useful for stem cell mobilization in potential bone marrow donors. In mice, injection of UDP-glucose increased hematopoietic stem and progenitor cell mobilization from the bone marrow compared with vehicle injection. In lethally irradiated mice, donor stem cells mobilized with UDP-glucose showed better long-term engraftment and repopulation capacity than cells mobilized with G-CSF (CSF3). Next steps include studies to determine whether UDP-glucose can synergize with other stem cell mobilization compounds and whether it could be used in combination with G-CSF in a clinical trial.</p> <p>SciBX 6(33); doi:10.1038/scibx.2013.893 Published online Aug. 29, 2013</p>	<p>Patent application filed; available for licensing from the University of Pittsburgh</p> <p>Contact: Alexander P. Ducruet, University of Pittsburgh, Pittsburgh, Pa. phone: 412-648-2219 e-mail: aducruet@otm.tt.pitt.edu</p>	<p>Kook, S. <i>et al. J. Clin. Invest.</i>; published online July 25, 2013; doi:10.1172/JCI64060</p> <p>Contact: Byeong-Chel Lee, University of Pittsburgh Cancer Institute, Pittsburgh, Pa. e-mail: lee4@upmc.edu</p>