This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Cardiovascular disease				
Thrombosis	Peptidyl arginine deiminase type IV (PADI4; PAD4)	<p>Mouse studies suggest PAD4 inhibition could help treat or prevent thrombosis. PAD4 is required for the formation of neutrophil extracellular traps, which are components of thrombi. In a mouse model for deep vein thrombosis, thrombi formed in less than 10% of <i>Padi4</i>-deficient animals, whereas thrombi formed in more than 90% of wild-type animals. <i>Padi4</i> knockout did not affect normal bleeding and platelet function. Next steps include developing inhibitors of PAD4.</p> <p>SciBX 6(21); doi:10.1038/scibx.2013.518 Published online May 30, 2013</p>	Patent application filed; available for licensing	<p>Martinod, K. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online May 6, 2013; doi:10.1073/pnas.1301059110 Contact: Denisa D. Wagner, Harvard Medical School, Boston, Mass. e-mail: denisa.wagner@childrens.harvard.edu</p>