This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Cardiovascular disease				
Cardiovascular disease	Transmembrane 6 superfamily member 2 (TM6SF2)	<p>Studies in human samples and mice suggest inhibiting TM6SF2 could help lower total cholesterol levels. In 5,771 Norwegians, genomewide assessment of coding variants identified an association between the rs58542926 SNP in <i>TM6SF2</i> and low total cholesterol levels. In mice, <i>Tm6sf2</i> overexpression in the liver increased total cholesterol compared with overexpression of a control gene. In mice, shRNA against <i>Tm6sf2</i> decreased total cholesterol levels compared with control shRNA. Next steps could include identifying carriers of the rs58542926 SNP in clinical trials of lipid-modulating therapies.</p> <p>SciBX 7(15); doi:10.1038/scibx.2014.430 Published online April 17, 2014</p>	Patent and licensing status unavailable	<p>Holmen, O.L. <i>et al. Nat. Genet.</i>; published online March 16, 2014; doi:10.1038/ng.2926 Contact: Cristen J. Willer, University of Michigan, Ann Arbor, Mich. e-mail: cristen@umich.edu Contact: Kristian Hveem, Norwegian University of Science and Technology, Levanger, Norway e-mail: kristian.hveem@ntnu.no</p>