This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Cardiovascular disease				
Cardiac hypertrophy	Sirtuin 3 (SIRT3); forkhead box O3 (FOXO3A)	Studies in mice suggest that increasing SIRT3 expression could be useful for preventing cardiac hypertrophy. <i>Sirt3</i> knockout mice showed greater signs of cardiac hypertrophy than wild-type controls. Conversely, <i>Sirt3</i> overexpression blocked development of hypertrophy. This effect partly depended on <i>Sirt3</i> -mediated activation of <i>Foxo3a</i> . Next steps could include identifying and evaluating compounds that activate SIRT3 expression.	Patent and licensing status unavailable	Sundaresan, N.R. <i>et al. J. Clin. Invest.</i> ; published online Aug. 3, 2009; doi:10.1172/JCI39162 Contact: Mahesh P. Gupta, University of Chicago, Chicago, Ill. e-mail: mgupta@surgery.bsd.uchicago.edu
SciBX 2(33); doi:10.1038/scibx.2009.1276 Published online Aug. 27, 2009				