This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Musculoskeletal disease				
Musculoskeletal disease	Peroxisome proliferation-activated receptor- γ coactivator 1 α isoform 4 (PPARGC1A4; PGC-1 α 4)	<p>Mouse studies suggest upregulating PGC-1α4 could help increase muscle mass. In mice engineered to overexpress PGC-1α4 in skeletal muscle, muscle mass and strength were greater than those in wild-type controls. Next steps could include screening for small molecules designed to induce PGC-1α4 expression.</p> <p>SciBX 6(2); doi:10.1038/scibx.2013.38 Published online Jan. 17, 2013</p>	Patent and licensing status undisclosed	<p>Ruas, J.L. <i>et al. Cell</i>; published online Dec. 7, 2012; doi:10.1016/j.cell.2012.10.050 Contact: Bruce M. Spiegelman, Dana-Farber Cancer Institute and Harvard Medical School, Boston, Mass. e-mail: bruce_spiegelman@dfci.harvard.edu Contact: Jorge L. Ruas, same affiliation as above e-mail: jorge.ruas@ki.se</p>