This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Musculoskeletal disease				
Muscular atrophy	SET and MYND domain containing 3 (SMYD3)	Cell culture and mouse studies suggest inhibiting SMYD3 could help prevent steroid-induced muscular atrophy. In mouse skeletal muscle and myoblast cells, small hairpin RNA against Smyd3 increased myotube size compared with scrambled shRNA. In mice, shRNA knockdown of Smyd3 decreased dexamethasone-induced loss of skeletal muscle compared with no knockdown. Next steps could include screening for inhibitors of SMYD3 and evaluating them in muscular atrophy models. SciBX 6(25); doi:10.1038/scibx.2013.630 Published online June 27, 2013	Patent and licensing status unavailable	Proserpio, V. <i>et al. Genes Dev.</i> ; published online June 1, 2013; doi:10.1101/gad.217240.113 Contact: Giuseppina Caretti, University of Milan, Milan, Italy e-mail: giuseppina.caretti@unimi.it