This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Musculoskeletal disease				
Musculoskeletal disease	Transmembrane protein 8c (TMEM8C; myomaker)	<i>In vitro</i> and mouse studies suggest TMEM8C could enhance muscle repair. In mice, <i>Tmem8c</i> deletion prevented fusion of myoblasts and formation of multinucleated muscle fibers. In mice with sustained muscle injuries, <i>Tmem8c</i> was upregulated during muscle regeneration. In cultured muscle cells, retrovirus-mediated overexpression of <i>Tmem8c</i> increased myoblast fusion compared with normal expression. Next steps could include testing the effect of <i>Tmem8c</i> overexpression on muscle regeneration <i>in vivo</i> .	Patent and licensing status unavailable	Millay, D.P. <i>et al. Nature</i> ; published online July 17, 2013; doi:10.1038/nature12343 Contact: Eric N. Olson, The University of Texas Southwestern Medical Center, Dallas, Texas e-mail: eric.olson@utsouthwestern.edu
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