This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Musculoskeletal disease				
Muscular dystrophy	Transient receptor potential cation channel, subfamily C, member 3 (TRPC3)	Studies in mice suggest that blocking TRPC3 could help treat muscular dystrophy. In transgenic mice, overexpression of TRPC3 in skeletal muscle led to dystrophy due to an influx of calcium. In two mouse models of MD, genetic inhibition of the TRPC channel reduced calcium influx and disease pathology. Testing of compounds that could target TRPC3 to treat MD is underway.	Findings unpatented; mouse models available for licensing and testing	Millay, D. <i>et al. Proc. Natl. Acad. Sci. USA</i> ; published online Oct. 26, 2009; doi:10.1073/pnas.0906591106 Contact: Jeffery D. Molkentin, Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio e-mail: jeff.molkentin@cchmc.org
<i>SciBX</i> 2(42); doi:10.1038/scibx.2009.1573 Published online Oct. 29, 2009				