This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Musculoskeletal disease				
Muscular dystrophy	Histone 3	The absence of trimethylation on histone 3 could be a marker for facioscapulohumeral dystrophy (FSHD). Chromatin analysis of FSHD patients showed less trimethylation of histone 3 in the D4Z4 region on chromosome 4q than did healthy individuals and patients with other forms of muscular dystrophy. Ongoing work includes identifying the genes affected by the D4Z4 alteration and the molecular mechanisms that contribute to FSHD.	Patented; licensing status undisclosed	Zeng, W. <i>et al. PLoS Genet.</i> ; published online July 10, 2009; doi:10.1371/journal.pgen.1000559 Contact: Kyoko Yokomori, University of California, Irvine, Calif. e-mail: kyokomor@uci.edu
SciBX 2(29); doi:10.1038/scibx.2009.1154 Published online July 30, 2009				