This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Musculoskeletal disease				
Bone repair	Sp7 transcription factor (OSX); myc-associated protein with JmjC domain (NO66)	<i>In vitro</i> studies suggest that blocking the interaction between OSX and NO66 could help treat bone disorders. A proteomics analysis identified NO66 as a protein that interacts with OSX to regulate osteoblast transcription. In preosteoblast cells, NO66 knockout triggered expression of OSX target genes and accelerated osteoblast differentiation and mineralization. Next steps include conducting additional studies to understand the role of NO66 during bone formation, identifying small molecules that inhibit the interaction between OSX and NO66 and testing the compounds in bone diseases. SciBX 2(46); doi:10.1038/scibx.2009.1700 Published online Dec. 3, 2009	Findings unpatented; available for licensing	Sinha, K. <i>et al. EMBO J.</i> ; published online Nov. 19, 2009; doi:10.1038/emboj.2009.332 Contact: Benoit de Crombrughe, The University of Texas M.D. Anderson Cancer Center, Houston, Texas e-mail: bdecromb@mdanderson.org Contact: Krishna M. Sinha, same affiliation as above e-mail: ksinha@mdanderson.org