This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Musculoskeletal disease				
Bone repair	SH2B adaptor protein 3 (SH2B3; LNK)	A study in mice suggests that inhibiting LNK may help promote healing of bone fractures. In a mouse model of bone fracture, Lnk knockout increased angiogenesis and osteogenesis at the fracture site and increased fracture healing compared with what was seen in wild-type controls. In the same Lnk-deficient fracture models, bone marrow grafts deficient in Lnk showed greater bone formation and bone strength than grafts of wild-type bone marrow cells. Next steps include identifying therapeutic molecules or gene therapy vector constructs to inhibit LNK.	Patent filed; available for licensing	Matsumoto, T. <i>et al. J. Exp. Med.</i> ; published online Sept. 20, 2010; doi:10.1084/jem.20100321 Contact: Takayuki Asahara, Tokai University School of Medicine, Kanagawa, Japan e-mail: asa777@is.icc.u-tokai.ac.jp
<i>SciBX</i> 3(40); doi:10.1038/scibx.2010.1212 Published online Oct. 14, 2010				