This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Musculoskeletal disease				
Muscular atrophy	Not applicable	<p>Studies in mice suggest that transplantation of myofiber-associated satellite cells could help treat muscle atrophy. Satellite cells are adult stem cells that help regenerate and maintain muscle mass. In mice, transplantation of satellite cells into the tibialis anterior muscle increased muscle mass and size by 50% and 170% respectively. The transplant also increased muscle strength over the lifetime of the mouse compared with no transplant. Next steps include transplanting muscle stem cells from humans or large mammals into mice.</p> <p>SciBX 3(47); doi:10.1038/scibx.2010.1414 Published online Dec. 9, 2010</p>	Patented; available for licensing from the University of Colorado Technology Transfer Office	<p>Hall, J.K. <i>et al. Sci. Transl. Med.</i>; published online Nov. 10, 2010; doi:10.1126/scitranslmed.3001081</p> <p>Contact: Bradley B. Olwin, University of Colorado at Boulder, Boulder, Colo. e-mail: bradley.olwin@colorado.edu</p>