This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Neurology				
Nerve damage	PTEN (MMAC1; TEP1); suppressor of cytokine signaling 3 (SOCS3)	<p>Mouse studies suggest combined inhibition of PTEN and SOCS3 could help promote regeneration following nerve damage. In a mouse model of optic nerve injury, co-deletion of <i>Pten</i> and <i>Socs3</i> increased axon regeneration compared with deletion of either gene alone ($p < 0.001$). Next steps include developing strategies to promote functional integration of the regenerating axons and developing compounds that inhibit PTEN and SOCS3 signaling.</p> <p>SciBX 4(45); doi:10.1038/scibx.2011.1277 Published online Nov. 17, 2011</p>	Patent application filed covering use in promoting neuronal survival and regeneration; licensing status undisclosed	<p>Sun, F. <i>et al. Nature</i>; published online Nov. 6, 2011; doi:10.1038/nature10594 Contact: Zhigang He, Children's Hospital Boston, Mass. e-mail: zhigang.he@childrens.harvard.edu</p>