This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Neurology				
Addiction	Neurotrophic tyrosine kinase receptor 2 (NTRK2; TrkB)	Rat studies suggest stimulating TrkB could help treat drug addiction. In a rat model of cocaine addiction, systemic pretreatment with the TrkB agonist 7,8-dihydroxyflavone suppressed cocaine-induced conditional place preference, whereas vehicle did not. Next steps include elucidating the mechanisms connecting TrkB and NMDA receptor NR2B subtype (GRIN2B; NR2B) activation and identifying specific GRIN2B agonists. <i>SciBX</i> 7(20); doi:10.1038/scibx.2014.584 Published online May 22, 2014	Unpatented; licensing status not applicable	Otis, J.M. <i>et al. J. Neurosci.</i> ; published online April 23, 2014; doi:10.1523/JNEUROSCI.4980-13.2014 Contact: Devin Mueller, University of Wisconsin–Milwaukee, Milwaukee, Wis. e-mail: devinm@uwm.edu