This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Neurology				
Addiction	Histone deacetylase 3 (HDAC3)	<p>Mouse studies suggest HDAC3 inhibition could help treat cocaine addiction. HDAC inhibitors are known to reduce drug-seeking behaviors, but the individual HDAC responsible was unknown. In mice, an HDAC3-specific inhibitor blocked cocaine-seeking behavior. Next steps include additional studies of HDAC3 inhibition on learning, memory and drug-seeking behaviors in animals.</p> <p>Repligen Corp.'s HDAC3-specific inhibitor, RG2833, is in Phase I testing to treat ataxia.</p> <p>SciBX 6(4); doi:10.1038/scibx.2013.92 Published online Jan. 31, 2013</p>	Inhibitor and its use patented; licensed to Repligen; available for partnering to advance application in conditions including addiction	<p>Malvaez, M. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online Jan. 7, 2013; doi:10.1073/pnas.1213364110</p> <p>Contact: Marcelo A. Wood, University of California, Irvine, Calif. e-mail: mwood@uci.edu</p>