This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Neurology				
Cognitive dysfunction	Retinoblastoma binding protein 4 (RBBP4; RBAP48)	<p>Studies in patient samples and mice suggest increasing RBAP48 levels could help treat age-associated memory impairment. Gene expression analysis in postmortem brain tissue samples showed that RBAP48 levels decreased with age. In young transgenic mice, inhibition of Rbap48 signaling in the dentate gyrus impaired performance on memory tasks. In aged mice, lentiviral expression of <i>Rbap48</i> in the dentate gyrus improved memory performance, whereas expression of a control gene did not. Next steps could include developing brain-permeable compounds that increase RBAP48 activity in the brain.</p> <p>SciBX 6(37); doi:10.1038/scibx.2013.1033 Published online Sept. 26, 2013</p>	Patent and licensing status unavailable	<p>Pavlopoulos, E. <i>et al. Sci. Transl. Med.</i>; published online Aug. 28, 2013; doi:10.1126/scitranslmed.3006373 Contact: Eric R. Kandel, Columbia University, New York, N.Y. e-mail: erk5@columbia.edu Contact: Scott A. Small, same affiliation as above e-mail: sas68@columbia.edu</p>