This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Neurology				
Fragile X syndrome	Cytoplasmic polyadenylation element binding protein 1 (CPEB1)	<p>Mouse studies suggest inhibiting CPEB1 could help treat fragile X syndrome. In a mouse model of fragile X syndrome, knockout of <i>Cpeb1</i>, an activator of translation expressed in the brain, restored normal protein translation and increased synaptic plasticity compared with no knockout. In the mouse model, <i>Cpeb1</i> knockout also decreased acoustic stimulation-induced seizures by 50% and decreased anxiety in social behavioral tests. Next steps could include developing CPEB1 inhibitors.</p> <p>SciBX 6(44); doi:10.1038/scibx.2013.1269 Published online Nov. 14, 2013</p>	Patent and licensing status unavailable	<p>Udagawa, T. <i>et al. Nat. Med.</i>; published online Oct. 20, 2013; doi:10.1038/nm.3353</p> <p>Contact: Joel D. Richter, University of Massachusetts Medical School, Worcester, Mass. e-mail: joel.richter@umassmed.edu</p>