This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Neurology				
Depression	S100 calcium binding protein A10 (S100A10; P11)	<p>Mouse studies suggest that restoring P11 expression in the brain could help treat depression. Compared with using a control small hairpin RNA, adeno-associated virus (AAV) vector-mediated shRNA reduction of p11 in the nucleus accumbens of mice caused depression-like behaviors comparable to those seen with total p11 knockout. In p11 knockout mice, AAV vector-mediated restoration of p11 expression in the nucleus accumbens reversed depression-like behaviors compared with an AAV vector control. In human postmortem brain tissues, depressed patients had lower P11 levels than healthy controls. Next steps include studying <i>p11</i> gene therapy in nonhuman primates.</p> <p>SciBX 3(44); doi:10.1038/scibx.2010.1332 Published online Nov. 11, 2010</p>	Findings patented; exclusively licensed to Neurologix Inc.	<p>Alexander, B. <i>et al. Sci. Transl. Med.</i>; published online Oct. 20, 2010; doi:10.1126/scitranslmed.3001079 Contact: Michael G. Kaplitt, Weill Cornell Medical College, New York, N.Y. e-mail: mik2002@med.cornell.edu</p>