This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Neurology				
Depression	Dual specificity phosphatase 1 (DUSP1; MKP1)	<p>Patient tissue samples and mouse studies suggest that inhibiting MKP1 could help treat depression. In a whole-genome analysis of postmortem human hippocampus samples, depressed patients had greater levels of MKP1 mRNA, a negative regulator of MAP kinase signaling, than healthy controls. In mice, Mkp1-deficiency led to resistance to stress-induced reductions in MAP kinase signaling and stress-related behavioral changes compared with those in wild-type mice. Next steps include developing inhibitors of MKP1.</p> <p>SciBX 3(42); doi:10.1038/scibx.2010.1275 Published online Oct. 28, 2010</p>	Findings unpatented; licensing status undisclosed	<p>Duric, V. <i>et al. Nat. Med.</i>; published online Oct. 17, 2010; doi:10.1038/nm.2219</p> <p>Contact: Ronald S. Duman, Yale University, New Haven, Conn. e-mail: ronald.duman@yale.edu</p>