This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Neurology				
Anxiety; depression	Histone deacetylase 6 (HDAC6)	<p>Mouse studies suggest inhibiting HDAC6 could help treat stress-related neurological disorders. In a mouse model of social defeat, Hdac6 expression in serotonin (5-HT) neurons was lower in stress-resistant mice than vulnerable mice. In this model, deletion of Hdac6 in 5-HT receptor-expressing neurons decreased social avoidance compared with wild-type Hdac6 expression and prevented neuron hypertrophy. Next steps include collaborating with Acetylon Pharmaceuticals Inc. to test brain-penetrant HDAC6 inhibitors in animal models.</p> <p>ACY-1215, an HDAC6 inhibitor from Acetylon, is in Phase I/II testing to treat multiple myeloma.</p> <p>SciBX 5(16); doi:10.1038/scibx.2012.424 Published online April 19, 2012</p>	Patent and licensing status undisclosed	<p>Espallergues, J. <i>et al. J. Neurosci</i>; published online March 28, 2012; doi:10.1523/JNEUROSCI.5634-11.2012</p> <p>Contact: Olivier Berton, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, Pa. e-mail: bertonol@upenn.edu</p>