This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Neurology				
Neurology	Histone deacetylase 6 (HDAC6)	<i>In vitro</i> and cell culture studies identified an HDAC inhibitor, Tubastatin A, which may help treat neurodegenerative diseases. <i>In vitro</i> , Tubastatin A inhibited HDAC6 with an IC ₅₀ of 15 nM. In cultured rat neuronal cells, Tubastatin A increased acetylation of α -tubulin, an HDAC6 target, and decreased oxidative stress-induced cell death compared with no treatment. Ongoing work includes testing the compound <i>in vivo</i> . SciBX 3(29); doi:10.1038/scibx.2010.902 Published online July 29, 2010	Patent filed; licensing status undisclosed	Butler, K.V. <i>et al.</i> <i>J. Am. Chem. Soc.</i> ; published online July 9, 2010; doi:10.1021/ja102758v Contact: Alan P. Kozikowski, University of Illinois at Chicago, Chicago, Ill. e-mail: kozikowa@uic.edu