This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Neurology				
Nerve damage	Exportin 1 (XPO1; CRM1); histone deacetylase 1 (HDAC1)	A study in cell culture suggests that inhibiting nuclear export of HDAC1 into the cytoplasm could help prevent nerve damage associated with inflammatory demyelination. In cultured primary neurons, blocking XPO1-mediated nuclear export of HDAC1 reduced signs of axonal damage compared with no treatment ($p<0.05$). Next steps could include developing inhibitors of HDAC1 nuclear export that target XPO1.	Patent and licensing status unavailable	Kim, J.Y. <i>et al. Nat. Neurosci.</i> ; published online Dec. 27, 2009; doi:10.1038/nn.2471 Contact: Patrizia Casaccia, Mount Sinai School of Medicine, New York, N.Y. e-mail: patrizia.casaccia@mssm.edu
SciBX 3(4); doi:10.1038/scibx.2010.125 Published online Jan. 28, 2010				