This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Neurology				
Parkinson's disease (PD)	Myocyte enhancer factor 2D (MEF2D)	<p>Mouse studies suggest activating the transcription factor MEF2D with the dimeric acetylcholinesterase (AChE) inhibitor <i>bis</i>(3)-cognitin (B3C) could help treat PD. In a mouse model of PD, B3C activated MEF2D, prevented loss of protective tyrosine hydroxylase signaling in dopaminergic neurons and rescued PD-associated movement abnormalities. Next steps include further developing the small molecule and testing it in other animal models of neurodegeneration.</p> <p><i>SciBX</i> 5(35); doi:10.1038/scibx.2012.937 Published online Sept. 6, 2012</p>	Patent application filed; available for licensing	<p>Yao, L. <i>et al. J. Biol. Chem.</i>; published online Aug. 13, 2012; doi:10.1074/jbc.M112.367540 Contact: Zixu Mao, Emory University School of Medicine, Atlanta, Ga. e-mail: zmao@pharm.emory.edu</p>