This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Neurology				
Parkinson's disease (PD)	Chemokine CX3C motif ligand 1 (CX3CL1; fractalkine)	<p>Mouse studies suggest the soluble isoform of CX3CL1 could help treat PD. In a mouse model of chemical-induced PD, substantia nigra injection of an adeno-associated viral vector expressing soluble <i>Cx3cl1</i> decreased the loss of dopaminergic neurons and increased motor coordination compared with injection of a vector expressing the membrane-bound <i>Cx3cl1</i> isoform. Next steps could include testing soluble CX3CL1 in additional models of neuroinflammation and neurodegeneration.</p> <p>SciBX 5(43); doi:10.1038/scibx.2012.1144 Published online Nov. 1, 2012</p>	Patent and licensing status unavailable	<p>Morganti, J.M. <i>et al. J. Neurosci.</i>; published online Oct. 17, 2012; doi:10.1523/JNEUROSCI.0539-12.2012 Contact: Paula C. Bickford, University of South Florida, Tampa, Fla. e-mail: pbickfor@health.usf.edu</p>