This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Neurology				
Multiple sclerosis (MS)	Fas apoptotic inhibitory molecule 3 (FAIM3; TOSO)	<p>Mouse studies suggest inhibiting the surface receptor TOSO on dendritic cells could help treat MS. In a mouse model of experimental autoimmune encephalomyelitis (EAE), knockout of Toso decreased leukocyte brain infiltration and increased numbers of immune-suppressive T helper cells compared with mice expressing normal Toso levels. In the model, a Toso-Fc fusion protein decreased disease severity and progression in mice that had been allowed to develop EAE prior to treatment. Next steps could include identifying a relevant TOSO ligand and developing a TOSO-directed therapeutic.</p> <p>SciBX 7(5); doi:10.1038/scibx.2014.149 Published online Feb. 6, 2014</p>	Patent and licensing status unavailable	<p>Brenner, D. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online Jan. 7, 2014; doi:10.1073/pnas.1323166111 Contact: Tak W. Mak, University Health Network, Toronto, Ontario, Canada e-mail: tmak@uhnres.utoronto.ca</p>