This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Neurology				
Multiple sclerosis (MS)	Neurotrophic tyrosine kinase receptor 2 (NTRK2; TrkB)	<p>Patient sample and mouse studies suggest inhibiting TrkB on astrocytes could help treat MS. In a mouse model of experimental autoimmune encephalitis (EAE), conditional astrocyte-specific knockout of TrkB decreased disease severity compared with wild-type TrkB expression. In patient brain tissue samples, MS lesions had greater expression of a truncated TrkB isoform than normal control brain tissue. Next steps include studies to determine what level of TrkB inhibition would be needed for therapeutic effects.</p> <p>SciBX 5(12); doi:10.1038/scibx.2012.313 Published online March 22, 2012</p>	Unpatented; licensing status not applicable	<p>Colombo, E. <i>et al.</i> <i>J. Exp. Med.</i>; published online March 5, 2012; doi:10.1084/jem.20110698 Contact: Cinthia Farina, San Raffaele Scientific Institute, Milan, Italy e-mail: farina.cinthia@hsr.it</p>