This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Neurology				
Cognitive dysfunction	Type I interferon receptor (IFN receptor)	<p>Mouse studies suggest neutralizing IFN receptor in the CNS could help treat cognitive decline associated with aging. In aged mice, RNA expression analysis showed that IFN-associated gene expression was higher in the choroid plexus than in that of young mice. In a mouse model of age-associated cognitive decline, delivery of an antibody against IFN receptor into the cerebrospinal fluid improved cognitive function, increased hippocampal neurogenesis and decreased neuroinflammation compared with delivery of control IgG. Next steps could include assessing how IFN receptor neutralization affects cognitive function in models of diseases with progressive cognitive decline, such as Alzheimer's disease (AD).</p> <p>SciBX 7(36); doi:10.1038/scibx.2014.1076 Published online Sept. 18, 2014</p>	Patent and licensing status unavailable	<p>Baruch, K. <i>et al. Science</i>; published online Aug. 21, 2014; doi:10.1126/science.1252945</p> <p>Contact: Ido Amit, Weizmann Institute of Science, Rehovot, Israel e-mail: ido.amit@weizmann.ac.il</p> <p>Contact: Michal Schwartz, same affiliation as above e-mail: michal.schwartz@weizmann.ac.il</p>