This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Autoimmune disease				
Autoimmune disease; multiple sclerosis (MS)	Hypoxia-inducible factor 1 α (HIF1A; HIF1 α); forkhead box P3 (FOXP3)	<p>Mouse studies suggest inhibiting HIF1α could help treat autoimmune diseases such as MS that are driven by T helper type 17 (Th17) cells. In mice, T cell-specific deficiency of <i>Hif1α</i> led to lower levels of Th17 cells, greater levels of immunosuppressive T_{reg} cells and less severity of experimental autoimmune encephalitis (EAE) than no deficiency. Next steps include determining how HIF1α regulates T_{reg} cell levels.</p> <p>SciBX 4(36); doi:10.1038/scibx.2011.1009 Published online Sept. 15, 2011</p>	Unpatented; unavailable for licensing	<p>Dang, E.V. <i>et al. Cell</i>; published online Aug. 25, 2011; doi:10.1016/j.cell.2011.07.033 Contact: Fan Pan, The Johns Hopkins University School of Medicine, Baltimore, Md. e-mail: fpan1@jhmi.edu Contact: Drew M. Pardoll, same affiliation as above e-mail: dmpardol@jhmi.edu</p>