This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Autoimmune disease				
Rheumatoid arthritis (RA)	Heat shock protein 60 (Hsp60)	<p>Mouse studies suggest T_{reg} cells targeting Hsp60 could help treat RA. In a collagen-induced arthritis mouse model for RA, infusion of CD8⁺ T_{reg} cells that recognized a peptide fragment of Hsp60 decreased disease progression compared with vehicle infusion and eliminated autoreactive T helper type 17 (Th17) and follicular helper T cells. In the mouse model, methotrexate plus T_{reg} cell infusion synergistically decreased disease severity compared with either treatment alone. Next steps include testing the strategy in a humanized mouse model for arthritis. The generic methotrexate is marketed to treat cancer and autoimmune diseases.</p> <p>SciBX 6(9); doi:10.1038/scibx.2013.210 Published online March 7, 2013</p>	Patent application filed; available for licensing	<p>Leavenworth, J.W. <i>et al. J. Clin. Invest.</i>; published online Feb. 8, 2013; doi:10.1172/JCI66938</p> <p>Contact: Harvey Cantor, Dana-Farber Cancer Institute, Boston, Mass. e-mail: harvey_cantor@dfci.harvard.edu</p>