This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Autoimmune disease				
Autoimmune disease	Magnesium transporter 1 (MAGT1; IAP)	<p>Studies in patients and in cell culture suggest inhibiting MAGT1 could help treat autoimmune disease. <i>MAGT1</i> mutations occurred in three immunodeficient patients with idiopathic lymphocytopenia and defective T cell activation. In cultured, stimulated T cells, small interfering RNA knockdown of MAGT1 decreased T cell activation compared with that seen using control siRNA. Next steps include screening for inhibitors of MAGT1 and testing them in mouse models of autoimmune diseases.</p> <p>SciBX 4(31); doi:10.1038/scibx.2011.872 Published online Aug. 11, 2011</p>	Unpatented; unavailable for licensing	<p>Li, F.-Y. <i>et al. Nature</i>; published online July 27, 2011; doi:10.1038/nature10246 Contact: Michael J. Lenardo, National Institutes of Health, Bethesda, Md. e-mail: lenardo@nih.gov</p>