

This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Cancer				
Cancer	Inducible T cell co-stimulator (ICOS)	<p>Cell culture and mouse studies suggest that ICOS-stimulated T helper type 17 (Th17) cells could help treat cancer. In xenograft mice with mesothelin-expressing tumor cells, injection of mesothelin-specific Th17 cells cultured with Icos decreased tumor size compared with injection of mesothelin-specific Th17 cells cultured with the co-stimulatory molecule Cd28. Next steps include developing T cell-based therapies that incorporate the ICOS signal to treat patients with leukemia.</p> <p>SciBX 3(45); doi:10.1038/scibx.2010.1349 Published online Nov. 18, 2010</p>	Patent application filed; licensing status unavailable	<p>Paulos, C.M. <i>et al. Sci. Transl. Med.</i>; published online Oct. 27, 2010; doi:10.1126/scitranslmed.3000448</p> <p>Contact: Chrystal M. Paulos, University of Pennsylvania School of Medicine, Philadelphia, Pa. e-mail: paulosc@mail.med.upenn.edu Contact: Carl H. June, same affiliation as above e-mail: cjune@exchange.upenn.edu</p>