This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Cancer				
Cancer	T helper 17 (Th17) cells; IL-17; chemokine CC motif ligand 20 (CCL20; MIP3A); monocyte chemoattractant protein-1 (MCP-1; CCL2)	Studies in mice suggest that adoptive transfer of tumor-specific Th17 cells could help treat cancer. In three mouse models of cancer, adoptive transfer of murine tumor-specific Th17 cells, which secrete IL-17, decreased tumor formation and the volume of established tumors compared with no treatment. In the mouse models, IL-17 secretion induced expression of Ccl20 and Ccl2, leading to recruitment of antitumor CD8 ⁺ T cells. Future work could include studying Th17 cells from tumor patients. SciBX 2(42); doi:10.1038/scibx.2009.1564 Published online Oct. 29, 2009	Unpatented; unlicensed	Martin-Orozco, N. <i>et al. Immunity</i> ; published online Oct. 29, 2009; doi:10.1016/j.immuni.2009.09.014 Contact: Chen Dong, M.D. Anderson Cancer Center, Houston, Texas e-mail: cdong@mdanderson.org