This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Endocrine disease				
Type 2 diabetes	Cytotoxic T lymphocytes (CTLs; CD8 ⁺ cells)	A study in mice suggests that antagonizing CTLs could prevent adipose tissue inflammation in obesity and help improve insulin sensitivity. In obese mice, depletion of CTLs using an anti-CD8 antibody reduced infiltration of macrophages and other inflammatory cells into adipose tissue. CTL-depleted mice on a high-fat diet had better responses to insulin than mock-treated mice. Next steps include identifying the molecular mediators of CTLs' proinflammatory effect in adipose tissue. SciBX 2(31); doi:10.1038/scibx.2009.1213 Published online Aug. 13, 2009	Unpatented; licensing status not applicable	Nishimura, S. <i>et al. Nat. Med.</i> ; published online July 26, 2009; doi:10.1038/nm.1964 Contact: Satoshi Nishimura, The University of Tokyo, Tokyo, Japan e-mail: snishi-tky@umin.ac.jp