This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Endocrine disease				
Type 1 diabetes	Dendritic cells (DC); DEC-205; $CD8^+$ T cells	A study in mice suggests that delivering β-islet cell autoantigens to DCs could help treat type 1 diabetes. In a murine model of the disease, DC-targeted delivery of an immunogenic peptide that mimicked the epitope of a β-cell antigen led to increased deletion and tolerance of autoreactive $CD8^+$ T cells compared with what was seen in mice that received a nontargeted immunogenic peptide. The peptide was linked to an antibody that targeted DEC-205, a DC surface receptor known to facilitate antigen processing and presentation. Researchers did not disclose next steps.	Patent and licensing status undisclosed	Mukhopadhaya, A. *et al. Proc. Natl. Acad. Sci. USA*; published April 21, 2008; doi:10.1073/pnas.0802644105 **Contact:** Teresa DiLorenzo, Division of Endocrinology, Albert Einstein College of Medicine, Bronx, N.Y. e-mail: dilorenz@aecom.yu.edu