

### This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
<b>Endocrine disease</b>				
Diabetes	Signal sequence of heat shock protein 60 (Hsp60sp)	A study in human samples suggests that autologous dendritic cells (DCs) loaded with Hsp60sp peptide could help treat autoimmune diseases like type 1 diabetes. In type 1 diabetes patients, CD8 <sup>+</sup> T cells failed to reduce the proinflammatory CD4 <sup>+</sup> T cell response to a self-antigen. However, cultured CD8 <sup>+</sup> T cells from diabetes patients primed with autologous immature DCs loaded with Hsp60sp were able to block the CD4 <sup>+</sup> T cell response against self-antigens. Next steps include submitting an IND to the FDA for a clinical trial of autologous Hsp60sp-loaded immature DCs as a vaccine to prevent type 1 diabetes.	Patent pending covering use in all autoimmune diseases including type 1 diabetes; available for licensing from the Columbia University Office of Technology Ventures	Jiang, H. <i>et al.</i> <i>J. Clin. Invest.</i> ; published online Sept. 27, 2010; doi:10.1172/JCI43522 <b>Contact:</b> Hong Jiang, Columbia University College of Physicians and Surgeons, New York, N.Y. e-mail: <a href="mailto:hj4@columbia.edu">hj4@columbia.edu</a>
<p><b>SciBX 3(39); doi:10.1038/scibx.2010.1182</b>  <b>Published online Oct. 7, 2010</b></p>				