

This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Endocrine/metabolic disease				
Diabetes	Platelet derived growth factor A (PDGFA; PDGF1); platelet derived growth factor receptor (PDGFR)	<p>Mouse and cell culture studies suggest increasing PDGFR signaling could help treat juvenile type 1 diabetes. In islets from juvenile mice and humans, a recombinant human PDGFA homodimer increased β cell replication compared with species-matched adult islets. In juvenile mice, greater PDGFR signaling increased β cell mass compared with normal PDGFR signaling. Next steps could include evaluating the effect of greater PDGFR signaling in animal models of diabetes.</p> <p>SciBX 4(43); doi:10.1038/scibx.2011.1210 Published online Nov. 3, 2011</p>	Patent and licensing status unavailable	<p>Chen, H. <i>et al. Nature</i>; published online Oct. 12, 2011; doi:10.1038/nature10502 Contact: Seung K. Kim, Stanford University, Stanford, Calif. e-mail: seungkim@stanford.edu</p>