This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Autoimmune disease				
Inflammatory bowel disease (IBD)	CD1D; IL-10; signal transducer and activator of transcription 3 (STAT3)	<p>Mouse studies suggest epithelial CD1D could help protect against intestinal inflammation in IBD. In a mouse model of chemical-induced colitis, intestinal epithelial cell-specific knockout of <i>Cd1d</i> increased disease severity and mortality compared with no alteration. In the mice, intestinal epithelial Cd1d protected against intestinal inflammation through the activation of Stat3 and Stat3-dependent transcription of the anti-inflammatory cytokine IL-10 and also reinforced expression of Cd1d itself. Next steps could include developing a strategy to selectively upregulate intestinal epithelial CD1D signaling.</p> <p>SciBX 7(18); doi:10.1038/scibx.2014.515 Published online May 8, 2014</p>	Patent and licensing status unavailable	<p>Olszak, T. <i>et al. Nature</i>; published online April 6, 2014; doi:10.1038/nature13150 Contact: Richard S. Blumberg, Harvard Medical School, Boston, Mass. e-mail: rblumberg@partners.org Contact: Sebastian Zeissig, same affiliation as above e-mail: szeissig@lmed.uni-kiel.de</p>