

This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Various				
Autoimmune disease; infectious disease	IL-35	<p>Mouse studies suggest enhancing IL-35-producing B cell activity could help treat autoimmunity, whereas blocking production could help treat infections. In a mouse experimental autoimmune encephalomyelitis (EAE) model, B cell-specific knockout of the genes required for IL-35 production exacerbated disease and autoreactive T cell activity. In mice with IL-35-deficient B cells, bacterial clearance following primary and secondary challenge with <i>Salmonella enterica</i> was enhanced and survival was extended because of an accumulation of macrophages and an increase in inflammatory T cell activity. Next steps could include identifying therapeutics that modulate B cell production of IL-35.</p> <p>SciBX 7(12); doi:10.1038/scibx.2014.353 Published online March 27, 2014</p>	Patent and licensing status unavailable	<p>Shen, P. <i>et al. Nature</i>; published online Feb. 23, 2014; doi:10.1038/nature12979 Contact: Simon Fillatreau, German Rheumatism Research Center of the Leibniz Association, Berlin, Germany e-mail: fillatreau@drfz.de</p>