

This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Infectious disease				
Infectious disease	Triggering receptor expressed on myeloid cells 1 (TREM1)	<p>Mouse studies suggest inhibiting the innate immune receptor TREM1 could help reduce inflammation caused by infection. In mouse models of colitis, <i>Trem1</i> knockout decreased weight loss, shortening of the colon and intestinal inflammation compared with normal <i>Trem1</i> expression. In mouse models of <i>Leishmania major</i>, influenza or <i>Legionella pneumoniae</i> infection, <i>Trem1</i> knockout reduced disease severity without compromising the adaptive immune responses needed to clear the pathogens. Next steps include measuring <i>TREM1</i> expression in human tissue samples associated with chronic and noninfectious inflammatory conditions and identifying TREM1-inhibitory strategies.</p> <p>SciBX 7(7); doi:10.1038/scibx.2014.203 Published online Feb. 20, 2014</p>	Unpatented; licensing status not applicable	<p>Weber, B. <i>et al.</i> <i>PLoS Pathog.</i>; published online Jan. 16, 2014; doi:10.1371/journal.ppat.1003900 Contact: Christoph Mueller, University of Bern, Bern, Switzerland e-mail: christoph.mueller@pathology.unibe.ch Contact: Leslie Saurer, same affiliation as above e-mail: leslie.saurer@pathology.unibe.ch</p>