

THE DISTILLERY

This week in therapeutics

Target/marker/ Publication and contact Indication pathway Summary Licensing status information Various Various Various Various Various Various				
Various	Publication and y Licensing status information	Summary	Target/marker/ ion pathway Summar	Indication
			3	Various
Colitis; woundsInterleukin-22 (IL-22); signal transducer and activator of transcription 3 (STAT3)Studies in mice suggest that enhancing STAT3 activity could help treat colitis and gut mucosal wounds. In mice with intestinal epithelial cell- specific Stat3 deficiency, colitis resulted in more 	mice suggest that enhancing STAT3 ald help treat colitis and gut mucosal a mice with intestinal epithelial cell- it3 deficiency, colitis resulted in more rointestinal tissue damage compared n mice expressing functional Stat3. gut mucosal biopsy samples, Stat3- amples had delayed mucosal wound mpared with that seen in gut mucosal ken from control mice. Knockout mice showed that <i>Stat3</i> expression by Il-22. Next steps could include the effects of activating STAT3 in odels of colitis or gut mucosal wounds.	Studies in mice suggest that enhancing STAT3 activity could help treat colitis and gut mucosa wounds. In mice with intestinal epithelial cell- specific Stat3 deficiency, colitis resulted in mor severe gastrointestinal tissue damage compare with that in mice expressing functional Stat3. In mouse gut mucosal biopsy samples, Stat3- deficient samples had delayed mucosal wound healing compared with that seen in gut mucos biopsies taken from control mice. Knockout studies in mice showed that <i>Stat3</i> expression is induced by Il-22. Next steps could include evaluating the effects of activating STAT3 in animal models of colitis or gut mucosal wound	wounds Interleukin-22 (IL-22); Studies in signal transducer and activity co activator of transcription wounds. I 3 (STAT3) specific St severe gas with that i In mouse deficient s healing co biopsies ta studies in is induced evaluating animal mo	Colitis; wounds

SciBX 2(28); doi:10.1038/scibx.2009.1123 Published online July 23, 2009