

## This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
<b>Inflammation</b>				
Inflammation	MicroRNA-147 (miRNA-147)	<p>A study in mice and in cell culture suggests that increasing miRNA-147 expression could help treat inflammation. In lipopolysaccharide (LPS)-stimulated murine macrophages, expression of miRNA-147 significantly decreased release of proinflammatory cytokines compared with expression of control miRNA (<math>p &lt; 0.001</math>). Conversely, miRNA-147 knockdown significantly increased LPS-induced release of proinflammatory cytokines from murine macrophages compared with that using scrambled miRNA-147 (<math>p &lt; 0.01</math>). In alveolar macrophages isolated from the lungs of LPS-treated mice, miRNA-147 expression was higher than that in untreated controls. Next steps could include developing therapeutics that increase miRNA-147 levels in animal models of inflammation.</p> <p><b>SciBX 2(39); doi:10.1038/scibx.2009.1479</b>  <b>Published online Oct. 8, 2009</b></p>	Patent and licensing status unavailable	<p>Liu, G. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online Aug. 31, 2009; doi:10.1073/pnas.0901216106</p> <p><b>Contact:</b> Edward Abraham, The University of Alabama at Birmingham, Birmingham, Ala.  e-mail: <a href="mailto:eabraham@uab.edu">eabraham@uab.edu</a></p>