

This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Inflammation				
Inflammation	Sirtuin 6 (SIRT6); tumor necrosis factor- α (TNF- α)	<i>In vitro</i> and cell culture studies suggest inhibiting SIRT6 could help treat inflammation by reducing TNF- α secretion. <i>In vitro</i> , SIRT6 hydrolyzed long-chain fatty acid-modified histones and TNF- α about 100–200-fold more efficiently than it deacetylated histones. In cultured cells, small hairpin RNA against SIRT6 decreased levels of long-chain fatty acid-modified TNF- α and decreased secretion of the protein compared with control shRNA. Next steps include developing SIRT6-specific inhibitors and identifying other proteins regulated by this mechanism. SciBX 6(14); doi:10.1038/scibx.2013.340 Published online April 11, 2013	Patent application filed; available for licensing	Jiang, H. <i>et al. Nature</i> ; published online April 4, 2013; doi:10.1038/nature12038 Contact: Hening Lin, Cornell University, Ithaca, N.Y. e-mail: hl379@cornell.edu Contact: Quan Hao, The University of Hong Kong, Hong Kong, China e-mail: qhao@hku.hk