This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Cancer				
Cancer	microRNA-125b (miRNA-125b)	<p>Studies in cell culture and in zebrafish suggest that inhibiting miRNA-125b could be useful for treating cancer. In human neuroblastoma and lung fibroblast cells, overexpression of miRNA-125b repressed endogenous levels of tumor protein p53 (TP53; p53) and suppressed apoptosis. In contrast, knockdown of miRNA-125b in human lung fibroblasts and in zebrafish brains led to higher levels of p53 and apoptosis. Next steps could include investigating how p53 activity is affected by higher levels of miRNA-125b in specific types of cancer.</p> <p>SciBX 2(12); doi:10.1038/scibx.2009.485 Published online March 26, 2009</p>	Unpatented; unlicensed	<p>Le, M. <i>et al. Genes Dev.</i>; published online March 17, 2009; doi:10.1101/gad.1767609 Contact: Bing Lim, Singapore– Massachusetts Institute of Technology Alliance, Singapore e-mail: limb1@gis.a-star.edu.sg or blim@bidmc.harvard.edu Contact: Harvey F. Lodish, Massachusetts Institute of Technology, Cambridge, Mass. e-mail: lodish@wi.mit.edu</p>