

## This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
<b>Cancer</b>				
Breast cancer	MicroRNA-31 (miRNA-31)	<p>Studies in cell culture and in mice suggest that enhancing miRNA-31 levels in breast cancer tumors could help prevent metastasis. In multiple human breast cancer cell lines, reduced levels of miRNA-31 correlated with high metastatic potential. In mice, tail vein injection of breast cancer cells expressing miRNA-31 led to significantly less lung metastasis at 3 months than injection of cancer cells carrying empty expression vector (<math>p &lt; 0.0003</math>). Next steps could include testing a systemically delivered miRNA-31 mimic in animal models of metastatic breast cancer.</p> <p><b>SciBX 2(26); doi:10.1038/scibx.2009.1034</b>  <b>Published online July 9, 2009</b></p>	Patent and licensing status undisclosed	<p>Valastyan, S. <i>et al. Cell</i>; published online June 12, 2009;            doi:10.1016/j.cell.2009.03.047  <b>Contact:</b> Robert A. Weinberg, Massachusetts Institute of Technology, Cambridge, Mass.            e-mail:  <a href="mailto:weinberg@wi.mit.edu">weinberg@wi.mit.edu</a></p>