This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Cancer				
Breast cancer	MicroRNA-100 (miR-100)	<p>Cell-based, primary tumor and mouse studies suggest promoting miR-100 expression could help treat breast cancer. In primary breast tumor samples, low levels of miR-100 correlated with high levels of cancer stem cell markers and poor overall survival. In breast cancer cell lines, overexpression of <i>miR-100</i> decreased proliferation and the proportion of cancer stem cells compared with unaltered <i>miR-100</i> expression. In mice with human breast cancer xenograft tumors, overexpression of <i>miR-100</i> decreased the number of cancer stem cells, tumor cell proliferation and metastasis compared with unaltered <i>miR-100</i> expression. Next steps include identifying a delivery method for miR-100.</p> <p><i>SciBX</i> 7(42); doi:10.1038/scibx.2014.1229 Published online Oct. 30, 2014</p>	Unpatented; unavailable for licensing	<p>Deng, L. <i>et al. Cancer Res.</i>; published online Sept. 12, 2014; doi:10.1158/0008-5472.CAN-13-3710 Contact: Suling Liu, University of Science and Technology of China, Hefei, China e-mail: suling@ustc.edu.cn</p>