This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Cancer				
Breast cancer	MicroRNA-105 (miR-105)	<p>Mouse studies suggest inhibiting miR-105 could help prevent breast cancer metastasis. In a mouse xenograft model of human breast cancer, overexpression of <i>miR-105</i> increased metastasis to the lung and brain compared with normal expression. In xenograft mice bearing a breast cancer cell line with high <i>miR-105</i> expression, an anti-miR-105 compound restored the integrity of the vascular barrier and decreased metastasis compared with a control compound. Next steps could include developing a therapeutic strategy based on the selective blockade of miR-105 signaling.</p> <p>SciBX 7(19); doi:10.1038/scibx.2014.553 Published online May 15, 2014</p>	Patent and licensing status unavailable	<p>Zhou, W. <i>et al. Cancer Cell</i>; published online April 14, 2014; doi:10.1016/j.ccr.2014.03.007 Contact: Shizhen Emily Wang, Beckman Research Institute at City of Hope, Duarte, Calif. e-mail: ewang@coh.org</p>