This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Cancer				
Breast cancer	Kruppel-like factor 17 (KLF17)	<p>A study in human samples and in mice suggests that increasing KLF17 expression could help prevent breast cancer metastasis. In human breast cancer tumor samples isolated from patients with lymph node metastasis, KLF17 levels were significantly lower than those in samples from patients with no metastasis ($p < 0.001$). In a mouse model of breast cancer, small hairpin RNA-mediated knockdown of KLF17 resulted in breast cancer metastasis to the lung. Conversely, in a mouse model of breast cancer metastasis, animals with KLF17 overexpression had significantly fewer metastatic nodules in lungs than controls that did not overexpress KLF17 ($p = 0.0003$). Next steps include validating the prognostic value of KLF17 in larger samples and screening for small molecule activators of the factor.</p> <p>SciBX 2(39); doi:10.1038/scibx.2009.1465 Published online Oct. 8, 2009</p>	Work unpatented; antibodies against KLF17 available for licensing	<p>Gumireddy, K. <i>et al. Nat. Cell Biol.</i>; published online Oct. 4, 2009; doi:10.1038/ncb1974</p> <p>Contact: Qihong Huang, The Wistar Institute, Philadelphia, Pa. e-mail: qhuang@wistar.org</p>