This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Cancer				
Metastatic breast cancer	Id1	Studies in mice suggest that inhibiting Id1 could help treat metastatic breast and other cancers. Id1 is a helix-loop-helix transcription regulator that is commonly overexpressed in solid cancers. In mice that received transplants of mammary epithelial cells, expression of both Id1 and oncogenic Ras in the mammary epithelium increased the incidence and size of mammary tumors compared with those in mice that received Id1 or oncogenic Ras alone. However, inactivation of Id1 in established breast tumors led to widespread cellular senescence, arrest of tumor growth and regression in 40% of mice. Researchers did not disclose next steps. Peptide-conjugated antisense oligonucleotides targeting Id1 from AngioGenex Inc. are in preclinical testing to treat cancer.	Patent and licensing status undisclosed	Swarbrick, A. *et al. Proc. Natl. Acad. Sci. USA*; published online March 24, 2008; doi:10.1073/pnas.0801505105 **Contact:** Alexander Swarbrick, Garvan Institute of Medical Research, Darlinghurst, Australia e-mail: a.swarbrick@garvan.org.au