This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Cancer				
Cancer	Phosphoglycerate dehydrogenase (PHGDH)	Human sample and cell culture studies suggest inhibiting PHGDH could help treat cancer. In a genomic analysis of approximately 3,000 patient samples, PHGDH was identified as frequently amplified, particularly in melanoma. In human cancer cell lines with PHGDH amplification, small hairpin RNA against PHGDH decreased proliferation compared with control shRNA. Next steps could include identifying and evaluating pharmacological PHGDH inhibitors in cancer models. <i>SciBX</i> 4(30); doi:10.1038/scibx.2011.852 Published online Aug. 4, 2011	Patent and licensing status undisclosed	Locasale, J.W. <i>et al. Nat. Genet.</i> ; published online July 31, 2011; doi:10.1038/ng.890 Contact: Matthew G. Vander Heiden, Massachusetts Institute of Technology, Cambridge, Mass. e-mail: mvh@mit.edu Contact: Lewis C. Cantley, Harvard Medical School, Boston, Mass. e-mail: lcantley@hms.harvard.edu