This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Cancer				
Cancer	Phosphoglycerate mutase 1 (PGAM1)	<p>Mouse and cell culture studies suggest inhibiting PGAM1 could help treat cancer. In a panel of six human cancer cell lines, small hairpin RNA knockdown of PGAM1 decreased proliferation compared with no knockdown. In a mouse xenograft model of human non-small cell lung cancer (NSCLC), pharmacological inhibition of PGAM1 lowered tumor volume compared with no inhibition. In patient samples, the PGAM1 inhibitor decreased viability of primary acute and chronic myelogenous leukemia cells compared with vehicle. Next steps include additional SAR studies to improve the pharmacokinetics and bioavailability of the PGAM1 inhibitors.</p> <p>SciBX 5(46); doi:10.1038/scibx.2012.1204 Published online Nov. 29, 2012</p>	Patent pending; available for licensing from the Emory University Office of Technology Transfer	<p>Hitosugi, T. <i>et al. Cancer Cell</i>; published online Nov. 13, 2012; doi:10.1016/j.ccr.2012.09.020</p> <p>Contact: Jing Chen, Emory University School of Medicine, Atlanta, Ga. e-mail: jchen@emory.edu</p> <p>Contact: Chuan He, The University of Chicago, Chicago, Ill. e-mail: chuanhe@uchicago.edu</p>