This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Cancer				
Breast cancer; pancreatic cancer	DNA	<p>Mouse and cell culture studies suggest a mitochondria-targeted triphenylphosphonium derivative of the nitrogen mustard chlorambucil could help treat breast and pancreatic cancers. In a panel of breast and pancreatic cancer cell lines, the compound showed more potent anticancer activity than chlorambucil. In a mouse xenograft model of human pancreatic cancer, the compound decreased tumor growth compared with vehicle. Next steps could include developing optimized derivatives and evaluating them in additional animal models of breast and pancreatic cancers.</p> <p><i>SciBX</i> 6(46); doi:10.1038/scibx.2013.1313 Published online Dec. 5, 2013</p>	Patent and licensing status unavailable	<p>Millard, M. <i>et al. J. Med. Chem.</i>; published online Oct. 22, 2013; doi:10.1021/jm4012438 Contact: Nouri Neamati, University of Michigan, Ann Arbor, Mich. e-mail: neamati@umich.edu Contact: Bogdan Z. Olenyuk, University of Southern California, Los Angeles, Calif. e-mail: bogdan@usc.edu</p>