This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Cancer				
Cancer	NADPH oxidase (NOX)	<i>In vitro</i> and mouse studies suggest inhibiting NOX could help treat cancer. In respiration-defective cancer cells, compared with respiration-competent cells, a NOX inhibitor increased cell death. In cancer cell lines with mitochondrial dysfunction, NOX inhibition increased cell death compared with that in cells without mitochondrial impairment. In mice with pancreatic cancer xenografts, the NOX inhibitor decreased tumor volume compared with vehicle control. Next steps include developing safer NOX inhibitors.	Patent status not applicable; unavailable for licensing	Lu, W. <i>et al. PLoS Biol.</i> ; published online May 8, 2012; doi:10.1371/journal.pbio.1001326 Contact: Peng Huang, The University of Texas MD Anderson Cancer Center, Houston, Texas e-mail: phuang@mdanderson.org
<i>SciBX</i> 5(22); doi:10.1038/scibx.2012.570 Published online May 31, 2012				