This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Cancer				
Renal cancer	Not applicable	<i>In vitro</i> and mouse studies suggest that multi-walled carbon nanotubes plus near-infrared radiation could help treat kidney cancer. Delivery and subsequent irradiation-induced heating of nanotubes killed kidney cancer cells compared with irradiation or nanotubes alone. In mice, carbon nanotubes and radiation reduced the volume of kidney tumors and improved survival compared with radiation or nanotubes alone. Next steps include toxicology, pharmacology and large animal studies.	Patent application filed; available for licensing	Burke, A. <i>et al. Proc. Natl. Acad. Sci. USA</i> ; published online July 20, 2009; doi:10.1073/pnas.0905195106 Contact: Suzy Torti, Wake Forest University School of Medicine, Winston-Salem, N.C. e-mail: storti@wfubmc.edu
<i>SciBX</i> 2(29); doi:10.1038/scibx.2009.1147 Published online July 30, 2009				