This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Cancer				
Prostate cancer	Tribbles pseudokinase 1 (TRIB1)	<p>Studies in patient samples and mice suggest inhibiting TRIB1 could help treat prostate cancer. In 3D spheroid assays with human prostate cancer cells, shRNA against <i>TRIB1</i> decreased cell proliferation compared with control shRNA. In a xenograft mouse model of prostate cancer, <i>TRIB1</i> shRNA decreased tumor formation compared with control shRNA. In tumor tissue samples from patients with prostate cancer, all samples showed higher <i>TRIB1</i> mRNA levels than normal prostate tissue, and a subset also showed greater <i>TRIB1</i> gene copy number. Next steps include evaluating <i>TRIB1</i>-specific RNAi and identifying small molecule compounds that block TRIB1 function.</p> <p>SciBX 7(30); doi:10.1038/scibx.2014.891 Published online Aug. 7, 2014</p>	Unpatented; licensing status not applicable	<p>Mashima, T. <i>et al. Cancer Res.</i>; published online June 24, 2014; doi:10.1158/0008-5472.CAN-13-3718 Contact: Hiroyuki Seimiya, Japanese Foundation for Cancer Research, Tokyo, Japan e-mail: hseimiya@jfcrr.or.jp</p>