This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Cancer				
Breast cancer	ATPase Ca ⁺⁺ transporting plasma membrane 2 (ATP2B2; PMCA2)	Studies in cell culture and in patient samples suggest that PMCA2 levels could help predict breast cancer outcomes. In a human breast cancer cell line, vector-mediated expression of PMCA2, a calcium transport protein that regulates lactation, reduced apoptosis compared with that seen using empty vector. In human primary breast tumor samples, high PMCA2 levels correlated with lower survival in women of all ages ($p=0.0089$) including those under 50 years old ($p<0.0015$). Ongoing work includes investigating PMCA2 as a marker of response to chemotherapies in breast cancer patients and developing assays to identify PMCA2 inhibitors.	Unpatented; available for licensing	VanHouten, J. <i>et al. Proc. Natl. Acad. Sci. USA</i> ; published online May 31, 2010; doi:10.1073/pnas.0911186107 Contact: John Wysolmerski, Yale School of Medicine, New Haven, Conn. e-mail: john.wysolmerski@yale.edu
<i>SciBX</i> 3(24); doi:10.1038/scibx.2010.725 Published online June 17, 2010				