This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Cancer				
Cancer	Proteasome 26S subunit non- ATPase 2 (PSMD2; P97)	<p>A screening study identified P97 inhibitors that could help treat cancer. In a cell-based protein degradation assay, a lead compound inhibited P97 with a K_i value of 3.2 μM. In 4 human cancer cell lines, the inhibitor led to 50% growth inhibition at single-digit micromolar concentrations. Next steps include studying the mechanism by which the P97 inhibitor triggers apoptosis.</p> <p>SciBX 4(11); doi:10.1038/scibx.2011.309 Published online March 17, 2011</p>	Patent application filed; available for licensing	<p>Chou, T.-F. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online March 7, 2011; doi:10.1073/pnas.1015312108</p> <p>Contact: Raymond J. Deshaies, California Institute of Technology, Pasadena, Calif. e-mail: deshaies@its.caltech.edu</p> <p>Contact: Tsui-Fen Chou, same affiliation as above e-mail: tfchou@caltech.edu</p>