This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Cancer				
Brain cancer	Polymerase (DNA directed), delta 2, regulatory subunit 50kDa (POLD2); cytochrome c, somatic (CYCS); metallothionein 1A (MT1A; MTC); aldo-keto reductase family 1, member C3 (AKR1C3); YME1-like 1 (YME1L1); annexin A7 (ANXA7); programmed cell death 4 (PDCD4)	<p>Genomic analysis of human glioma samples revealed a set of seven genes that could help predict development of brain cancer. Genomic profiling of 501 tumor samples revealed a pattern of chromosomal alterations and gene interactions associated with development of brain cancer. Profiling glioblastoma samples using a scoring method based on the status of seven genes—<i>POLD2</i>, <i>CYCS</i>, <i>MTC</i>, <i>ARK1C3</i>, <i>YME1L1</i>, <i>ANXA7</i> and <i>PDCD4</i>—predicted overall survival. Those associations were confirmed using samples from three additional independent glioma studies. Next steps include prospective clinical studies to confirm the prognostic significance of the gene set.</p> <p>SciBX 2(28); doi:10.1038/scibx.2009.1103 Published online July 23, 2009</p>	The seven gene predictor has not been patented; not available for licensing	<p>Bredel, M. <i>et al. JAMA</i>; published online July 15, 2009; doi:10.1001/jama.2009.997</p> <p>Contact: Markus Bredel, Northwestern University Feinberg School of Medicine, Chicago, Ill. e-mail: m-bredel@northwestern.edu</p>