This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Cancer				
Colorectal cancer	Proteasome 26S subunit non-ATPase 10 (PSMD10; gankyrin)	Mouse and cell culture studies suggest inhibiting PSDM10 could help prevent hepatic metastasis in colorectal cancer. In samples from patients who have colorectal cancer, greater PSDM10 expression was associated with increased risk of disease metastasis to the liver. In a human colon cancer cell line, small hairpin RNA against <i>PSDM10</i> led to decreased invasiveness compared with scrambled shRNA. In mouse models for metastatic colorectal cancer, small hairpin RNA-mediated knockdown of <i>PSDM10</i> led to smaller primary tumors and fewer hepatic metastases than no knockdown. Next steps include developing small molecule PSDM10 inhibitors. SciBX 6(16); doi:10.1038/scibx.2013.384 Published online April 25, 2013	Unpatented; partnered for development of PSDM10 as risk marker for hepatic metastases in colorectal cancer; other applications available for partnering	Bai, Z.-f. <i>et al. Cancer Res.</i>; published online April 10, 2013; doi:10.1158/0008-5472.CAN-12-4586 Contact: Tao Zhou, National Center of Biomedical Analysis, Beijing, China e-mail: tzhou@ncba.ac.cn Contact: Chenguang Wang, Kimmel Cancer Center at Thomas Jefferson University, Philadelphia, Pa. e-mail: chenguang.wang@jefferson.edu