This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Cancer				
Cancer	Aryl hydrocarbon receptor (AHR); kynurenine; tryptophan 2,3-dioxygenase (TDO2; TDO)	<p>Mouse and cell culture studies suggest blocking kynurenine signaling through AHR could help treat cancer. In human glioma cells and mouse xenograft models of glioma, compared with control cells and tumors, TDO-derived kynurenine promoted tumor cell survival. In the xenograft mice, AHR-deficient human glioma cells had less tumor growth than nondeficient cells. Next steps include screening for specific inhibitors of kynurenine signaling through AHR.</p> <p>SciBX 4(41); doi:10.1038/scibx.2011.1139 Published online Oct. 20, 2011</p>	Patent and licensing status undisclosed	<p>Opitz, C.A. <i>et al. Nature</i>; published online Oct. 5, 2011; doi:10.1038/nature10491</p> <p>Contact: Michael Platten, Heidelberg University Hospital, Heidelberg, Germany e-mail: m.platten@dkfz-heidelberg.de</p>