

This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Cancer				
Cancer	Purinergic receptor P2Y G protein-coupled 2 (P2RY2; P2Y2)	<i>In vitro</i> and mouse studies suggest antagonizing the adenine nucleotide receptor P2Y2 could help prevent cancer metastasis. In cell cocultures, addition of platelets or platelet-derived adenine nucleotides increased tumor cell migration through an endothelial cell layer compared with no treatment. Knockout of P2Y2 in the endothelial cells prevented tumor cell migration across the endothelial cell layer. In mice receiving subcutaneous or i.v. injection of murine melanoma or lung carcinoma cells, P2y2-deficient mice showed less tumor cell extravasation and metastasis than wild-type controls. Next steps include developing potent and specific P2Y2 receptor inhibitors.	Patent application filed; available for licensing	Schumacher, D. <i>et al. Cancer Cell</i> ; published online June 27, 2013; doi:10.1016/j.ccr.2013.05.008 Contact: Stefan Offermanns, Max Planck Institute for Heart and Lung Research, Bad Nauheim, Germany e-mail: stefan.offermanns@mpi-bn.mpg.de
		SciBX 6(29); doi:10.1038/scibx.2013.754 Published online Aug. 1, 2013		