This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Cancer				
Breast cancer	Arachidonate 15-lipoxygenase (ALOX15; 15-LOX)	<p>Cell culture and mouse studies suggest that antagonizing ALOX15 could be useful for preventing breast cancer metastasis. In a cell culture model of human breast cancer, inhibition of ALOX15 decreased abnormal lymphatic growth compared with that in controls. In a mouse xenograft model of breast cancer, small hairpin RNA knockdown of ALOX15 lowered lymph node metastasis compared with that seen using scrambled shRNA controls. Next steps could include preclinical testing of ALOX15 inhibitors as adjuncts to cancer therapy.</p> <p>OX-ESI, an ALOX15 inhibitor from Orexo AB and Johnson & Johnson, is in preclinical development for asthma and chronic obstructive pulmonary disease (COPD).</p> <p>SciBX 4(19); doi:10.1038/scibx.2011.535 Published online May 12, 2011</p>	Patent and licensing status unavailable	<p>Kerjaschki, D. <i>et al. J. Clin. Invest.</i>; published online April 1, 2011; doi:10.1172/JCI44751</p> <p>Contact: Donscho Kerjaschki, Medical University of Vienna, Vienna, Austria e-mail: donscho.kerjaschki@meduniwien.ac.at</p>