

## This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
<b>Cancer</b>				
Bone cancer	IL-11 receptor- $\alpha$ (IL11RA)	<p><i>In vitro</i>, mouse and patient sample studies suggest T cells modified to express IL11RA could help treat osteosarcoma. In 14 of 16 human osteosarcoma pulmonary metastasis samples, the tumor-associated antigen IL11RA was expressed in tumor tissue but was absent in adjacent healthy tissues or other healthy organ tissues. <i>In vitro</i>, T cells genetically modified to express IL11RA caused lysis of cancer cells compared with control T cells. In a mouse model of osteosarcoma, i.v. injection of the modified T cells caused regression of lung metastases compared with injection of control T cells. Next steps could include testing the strategy in additional osteosarcoma models.</p> <p><b>SciBX 4(47); doi:10.1038/scibx.2011.1315</b>  <b>Published online Dec. 8, 2011</b></p>	Patent and licensing status unavailable	<p>Huang, G. <i>et al. Cancer Res.</i>; published online Nov. 10, 2011; doi:10.1158/0008-5472.CAN-11-2778  <b>Contact:</b> Eugenie S. Kleinerman, The University of Texas MD Anderson Cancer Center, Houston, Texas                      e-mail: <a href="mailto:ekleiner@mdanderson.org">ekleiner@mdanderson.org</a></p>