This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Cancer				
Leukemia	Wilms tumor 1 (WT1); T cell receptor (TCR)	<p><i>In vitro</i> and mouse studies suggest adoptive transfer of cytotoxic T cells expressing a WT1-specific TCR could help treat leukemia. In mice with leukemia xenograft tumors, human cytotoxic T cells preincubated with a leukemia cell line lowered tumor growth compared with unmodified control cytotoxic T cells. Planned work includes clinical testing of the cytotoxic T cells to treat hematological malignancies.</p> <p>TBI-0301, donor lymphocytes engineered to express the human herpes simplex thymidine kinase (HSV-TK) suicide gene from MolMed S.p.A. and Takara Bio Inc., is in Phase III testing to treat leukemia.</p> <p>SciBX 4(26); doi:10.1038/scibx.2011.735 Published online June 30, 2011</p>	Patented by Takara Bio; available for licensing	<p>Ochi, T. <i>et al. Blood</i>; published online June 14, 2011; doi:10.1182/blood-2011-02-337089</p> <p>Contact: Masaki Yasukawa, Ehime University Graduate School of Medicine, Toon, Japan e-mail: yasukawa@m.ehime-u.ac.jp</p>