This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Drug platforms			
Chimeric antigen receptor (CAR)-expressing T cells lacking negative regulators of T cell receptor (TCR) signaling	CAR-expressing T cells that lack negative regulators of TCR signaling could be useful as antitumor T cell therapies. Diacylglycerol kinases (DGKs) are known negative regulators of TCR signaling. In a xenograft mouse model for established human mesothelioma, CAR-expressing murine T cells that lacked DGKs significantly decreased tumor growth compared with cells that expressed DGKs ($p < 0.05$). Next steps include developing human CAR-expressing T cells that also express DGK-targeting small interfering RNAs or dominant negative forms of DGKs.	Patent application filed; available for licensing through the University of Pennsylvania's Center for Technology Transfer	Riese, M.J. <i>et al. Cancer Res.</i> ; published online April 10, 2013; doi:10.1158/0008-5472.CAN-12-3874 Contact: Steven M. Albelda, University of Pennsylvania, Philadelphia, Pa. e-mail: albelda@mail.med.upenn.edu
	SciBX 6(17); doi:10.1038/scibx.2013.425 Published online May 2, 2013		