

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Drug platforms			
Antigen-specific circulating T cell production for adoptive immunotherapy	Antigen-specific T cells derived from induced pluripotent stem (iPS) cells could help treat and prevent cancer. In mice, adoptive transfer of iPS cells transduced with an <i>ovalbumin</i> -specific <i>T cell receptor (TCR)</i> gene led to more CD8 ⁺ T cells than transfer of iPS cells transduced with a control gene. In mice with tumors, adoptive transfer of the <i>TCR</i> gene-transduced iPS cells resulted in 100% survival at 50 days compared with 55% for mice given control iPS cells. Next steps could include generating iPS cell-derived T cells expressing TCRs specific for known tumor antigens.	Patent and licensing status unavailable	Song, J. <i>et al. Cancer Res.</i> ; published online May 31, 2011; doi:10.1158/0008-5472.CAN-11-0359 Contact: Jianxun Song, Penn State University Hershey College of Medicine, Hershey, Pa. e-mail: jus35@psu.edu
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