

## This week in techniques

Approach	Summary	Licensing status	Publication and contact information
<b>Drug platforms</b>			
Therapeutic high affinity T cell receptor (TCR)-like antibodies	<p>High affinity TCR-like antibodies may be useful therapeutics. Researchers compared crystal structure data between antibody fragments and a TCR to identify amino acids that play a role in TCR binding. A series of mutagenesis studies on those amino acids yielded an antibody fragment with 1,000-fold higher target affinity than the original TCR. T cells grafted with the antibody fragment released interferon-<math>\gamma</math> and were cytotoxic to cells expressing the target peptide. Next steps include evaluating generated antibodies in preclinical models of cancer.</p> <p><b>SciBX 2(13); doi:10.1038/scibx.2009.559</b>  <b>Published online April 2, 2009</b></p>	Patent and licensing status undisclosed	<p>Stewart-Jones, G.J. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online March 23, 2009;            doi:10.1073/pnas.0901425106  <b>Contact:</b> Christoph Renner, University Hospital Zurich, Zurich, Switzerland            e-mail: <a href="mailto:christoph.renner@usz.ch">christoph.renner@usz.ch</a>  <b>Contact:</b> E. Yvonne Jones, University of Oxford, Oxford, U.K.            e-mail: <a href="mailto:yvonne@strubi.ox.ac.uk">yvonne@strubi.ox.ac.uk</a></p>