This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Drug platforms			
A protocol to induce <i>in vivo</i> production of antigen-specific T _{reg} cells	An irradiation-vaccination protocol to induce the production of antigen-specific T _{reg} cells could be useful for treating autoimmune disorders. In mouse models with established multiple sclerosis (MS) and type 1 diabetes, sublethal irradiation followed by vaccination with self-peptides and autologous transplantation of macrophages increased apoptosis of autoreactive T and B cells and expansion of self-peptide-specific T _{reg} cells and decreased severity of autoimmune disease compared with irradiation plus control peptide or saline vaccination. Next steps include selection of self-peptides suitable for human trials and design of a clinical protocol to replicate the procedure in patients.	Patent pending; available for licensing	Kasagi, S. <i>et al. Sci. Transl. Med.</i> ; published online June 18, 2014; doi:10.1126/scitranslmed.3008895 Contact: WanJun Chen, National Institutes of Health, Bethesda, Md. e-mail: wchen@mail.nih.gov
	<i>SciBX</i> 7(28); doi:10.1038/scibx.2014.844 Published online July 24, 2014		