This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Drug delivery			
Delivery of antibody therapeutics using chemically modified mesoporous silica particles	Chemically modified silica particles could help deliver antibody therapeutics for cancer. <i>In vitro</i> , porous silica microparticles modified with acidic or basic chemical groups and loaded with murine IgGs released their cargo into a solution that mimicked human blood plasma. In a mouse model of melanoma, intratumoral injection of particles loaded with murine anti-Ctla-4 (anti-Cd152) antibodies reduced tumor growth compared with injection of free antibody or unloaded silica particles. Ongoing work includes testing the ability of the particles to deliver antibodies and other immunologically active proteins to solid tumors in animals. SciBX 3(19); doi:10.1038/scibx.2010.601 Published online May 13, 2010	Patented by the Pacific Northwest National Laboratory and the University of Washington; available for licensing	Lei, C. <i>et al. J. Am. Chem. Soc.</i> ; published online May 3, 2010; doi:10.1021/ja102414t Contact: Karl Erik Hellstrom, University of Washington, Seattle, Wash. e-mail: hellsk@u.washington.edu Contact: Jun Liu, Pacific Northwest National Laboratory, Richland, Wash. e-mail: jun.liu@pnl.gov Contact: Chenghong Lei, same affiliation as above e-mail: chenghong.lei@pnl.gov