This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Drug delivery			
Using modified hyperbranched polyglycerol (HPG) to guide stem cell localization	<p>Modified HPG could be used to target injected stem cells to specific tissues. HPG was modified with octadecyl chains and vasculature-binding peptides and then coated onto the surface of mesenchymal stem cells (MSCs). In an <i>in vitro</i> model for blood vessel circulation, MSCs coated with the modified HPGs showed greater adhesion to inflamed endothelium than MSCs coated with unmodified HPGs. Next steps include assessing the ability of the HPG carrier to guide cells to target tissues <i>in vivo</i>.</p> <p>SciBX 6(20); doi:10.1038/scibx.2013.502 Published online May 23, 2013</p>	Patent application filed; unavailable for licensing	<p>Jeong, J.H. <i>et al. J. Am. Chem. Soc.</i>; published online April 16, 2013; doi:10.1021/ja400636d Contact: Hyunjoon Kong, University of Illinois at Urbana-Champaign, Urbana, Ill. e-mail: hjkong06@illinois.edu</p>