This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Drug delivery			
Poly(ϵ -caprolactone) (PCL)-based nanoparticles for targeted delivery of antibiotics	<p>PCL-containing nanoparticles could be useful for delivering antibiotics to cells infected by lipase-secreting bacteria such as <i>Staphylococcus aureus</i>. In <i>S. aureus</i>-infected mouse macrophage and human endothelial cell lines, vancomycin-loaded PCL nanoparticles decreased levels of intracellular bacteria compared with free vancomycin. The nanoparticles did not affect cell viability. Future studies could include testing the stability and efficacy of the nanoparticles in animal models of bacterial infection.</p> <p>SciBX 5(8); doi:10.1038/scibx.2012.216 Published online Feb. 23, 2012</p>	Patent and licensing status unavailable	<p>Xiong, M.-H. <i>et al. J. Am. Chem. Soc.</i>; published online Feb. 3, 2012; doi:10.1021/ja211279u Contact: Jun Wang, University of Science and Technology of China, Hefei, China e-mail: jwang699@ustc.edu.cn Contact: Bao-Lin Sun, same affiliation as above e-mail: sunb@ustc.edu.cn</p>