This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Drug delivery			
Controlled drug release from a DNA device sensitive to orally delivered quinine	<p>A method for triggering the release of an active peptide from a device by orally delivered quinine could replace inconvenient dosing regimens, such as insulin injections to treat diabetes. As proof of concept, an insulin-oligonucleotide conjugate was released from a dextran matrix when exposed to quinine. Upon release from the matrix, the insulin conjugate showed pharmacokinetic profiles similar to those required to achieve glycemic control. Next steps include integrating the DNA device with biopolymers for implantation.</p> <p>SciBX 2(20); doi:10.1038/scibx.2009.848 Published online May 21, 2009</p>	Patent and licensing status unavailable	<p>Taylor, S. <i>et al. Angew. Chem. Int. Ed.</i>; published online May 8, 2009; doi:10.1002/anie.200900499</p> <p>Contact: Steven K. Taylor, Columbia University, New York, N.Y. e-mail: st2171@columbia.edu</p>