This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Assays & screens			
High throughput sequencing to decode DNA-encoded chemical libraries for drug discovery	<p>A method for bar coding small molecules with covalently linked DNA tags could accelerate compound library screening. <i>In vitro</i> screening of a library of 4,000 synthetic amino acids labeled with unique DNA bar codes enriched compounds that bound each of three target proteins: streptavidin, matrix metalloproteinase 3 and polyclonal human IgG. High throughput sequencing was used to decode the DNA bar code and identify the specific synthetic amino acid compounds enriched in each binding experiment. Researchers did not disclose their next steps, which could include validating the screening approach with additional target classes.</p> <p>SciBX 1(44); doi:10.1038/scibx.2008.1086 Published online Dec. 11, 2008</p>	Patent and licensing status undisclosed	<p>Mannocci, L. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online Nov. 3, 2008; doi:10.1073/pnas.0805130105</p> <p>Contact: Dario Neri, Swiss Federal Institute of Technology, Zurich, Switzerland e-mail: dario.neri@pharma.ethz.ch</p>