This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Assays & screens			
Enzyme-nanoparticle array for protein identification	<p>A highly sensitive enzyme-nanoparticle array could help identify disease-associated proteins in patient sera. The sensor array uses a system of gold nanoparticle-β-galactosidase complexes to generate an enzyme-amplified fluorescence signature for each protein. In a solution of human urine proteins, the array correctly identified 55 of 60 proteins at 1 nM concentrations. Next steps include establishing baseline levels of disease-associated proteins from healthy individuals and programming the sensor array to recognize specific diseases.</p> <p>SciBX 3(14); doi:10.1038/scibx.2010.447 Published online April 8, 2010</p>	<p>Patent status undisclosed; contact University of Massachusetts Amherst for information; available for licensing from Commercial Ventures and Intellectual Property at the University of Massachusetts</p> <p>Contact: Ling X. Shen, University of Massachusetts Amherst, Amherst, Mass. e-mail: lxshen@research.umass.edu</p>	<p>Miranda, O.R. <i>et al. J. Am. Chem. Soc.</i>; published online March 23, 2010; doi:10.1021/ja1006756</p> <p>Contact: Vincent M. Rotello, University of Massachusetts Amherst, Amherst, Mass. e-mail: rotello@chem.umass.edu</p>