

### This week in techniques

Approach	Summary	Licensing status	Publication and contact information
<b>Instrumentation</b>			
Fabrication of high-density peptide arrays	<p>Particle-based synthesis of peptide arrays could produce surfaces of greater complexity and density in a shorter period of time compared with standard fabrication methods. The array was generated by the deposition of 20 different charged amino acid particles onto a microchip, followed by a coupling reaction. A chessboard array of hemagglutinin and FLAG octapeptide revealed an antibody staining density of 40,000 peptide spots per cm<sup>2</sup>. Next steps include optimizing array production for proteomics research.</p> <p>No fewer than seven companies have diagnostic microarrays in developmental stages ranging from preclinical to marketed.</p>	The peptide arrays have been patented; unavailable for licensing	<p>Beyer, M. <i>et al. Science</i>; published online Dec. 21 2007; doi:10.1126/science.1149751 <b>Contact:</b> Frank Breitling, German Cancer Research Center, Heidelberg, Germany e-mail: <a href="mailto:f.breitling@dkfz.de">f.breitling@dkfz.de</a> <b>Contact:</b> Volker Stadler, same affiliation as above e-mail: <a href="mailto:v.stadler@dkfz.de">v.stadler@dkfz.de</a> <b>Contact:</b> F. Ralf Bischoff, same affiliation as above e-mail: <a href="mailto:r.bischoff@dkfz.de">r.bischoff@dkfz.de</a> <b>Contact:</b> Volker Lindenstruth, Kirchhoff Institute for Physics, University of Heidelberg, Heidelberg, Germany e-mail: <a href="mailto:voli@kip.uni-heidelberg.de">voli@kip.uni-heidelberg.de</a></p>