

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Assays & screens			
Analysis of protein-protein interactions in living cells for drug screening	<p>Micropatterning analysis of protein-protein interactions may be useful as a screening tool to identify new therapeutic candidates. Cells containing fluorescently labeled proteins were grown on surfaces micropatterned with membrane proteins. Photobleaching experiments and single-molecule imaging were then used to quantify the protein-protein interactions between the two types of proteins, allowing for the detection of rapid, low-affinity, protein-protein interactions. Next steps include applying the approach to a multi-well system to identify inhibitors and mediators of protein-protein interactions.</p> <p><i>SciBX</i> 1(42); doi:10.1038/scibx.2008.1029 Published online Nov. 20, 2008</p>	<p>Patent pending; available for licensing from the Johannes Kepler University Linz</p> <p>Contact: Therese Wagenhofer, Johannes Kepler University Linz, Linz, Austria e-mail: therese.wagenhofer@jku.at</p>	<p>Schwarzenbacher, M.S. <i>et al. Nat. Methods</i>; published online Nov. 9, 2008; doi:10.1038/nmeth.1268</p> <p>Contact: Gerhard J. Schütz, Johannes Kepler University Linz, Linz, Austria e-mail: gerhard.schuetz@jku.at</p> <p>Contact: Hannes Stockinger, Medical University of Vienna, Vienna, Austria e-mail: hannes.stockinger@meduniwien.ac.at</p>