This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Instrumentation			
Protein structure determination in cells by multidimensional NMR	<p>An NMR method determined protein structures in living cells at atomic resolutions and could help detect protein conformation changes in response to cellular events. To prevent instability and low sensitivity of living cell samples, NMR data collection used a nonlinear data acquisition method to cut NMR scan times. The in-cell strategy determined the structure of rat calmodulin protein overexpressed in <i>Escherichia coli</i>. Future experiments will apply this method to larger proteins of therapeutic interest.</p> <p>SciBX 2(10); doi:10.1038/scibx.2009.429 Published online March 12, 2009</p>	Unpatented; unlicensed	<p>Sakakibara, D. <i>et al. Nature</i>; published online March 4, 2009; doi:10.1038/nature07814</p> <p>Contact: Yutaka Ito, Tokyo Metropolitan University, Tokyo, Japan e-mail: ito-yutaka@tmu.ac.jp</p>