

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Assays & screens			
NMR of hyperpolarized fluorine to characterize ligand-protein interactions	Hyperpolarized fluorine could improve the sensitivity of fluorine-based NMR for characterizing ligand-protein interactions. Samples were rapidly injected into an aliquot of hyperpolarized fluorine and analyzed by NMR. The use of hyperpolarized fluorine enabled generation of readable NMR spectra even when ligand and protein concentrations differed by up to six orders of magnitude, which enabled the calculation of K_d values. Next steps include using hyperpolarized fluorine in drug discovery efforts. <i>SciBX</i> 5(40); doi:10.1038/scibx.2012.1061 Published online Oct. 11, 2012	Unpatented; licensing status not applicable	Lee, Y. <i>et al.</i> <i>J. Am. Chem. Soc.</i> ; published online Sept. 28, 2012; doi:10.1021/ja308437h Contact: Christian Hilty, Texas A&M University, College Station, Texas e-mail: chilty@chem.tamu.edu