This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Drug platforms			
3D structure of clade C HIV-1 gp120 glycoprotein bound to CD4 and an antibody to assist in HIV vaccines development	<p>The 3D structure of the clade C HIV-1 gp120 glycoprotein bound to both CD4 and an antibody could help guide the development of HIV vaccines. The crystal structure showed that an HIV-neutralizing antibody bound to both CD4 and gp120, suggesting that the antibody could contribute to the development of anti-CD4 autoantibodies, which could trigger an autoimmune response or reduce patient responsiveness to treatment. Next steps could include crystallizing gp120 interactions with other proteins.</p> <p>SciBX 3(14); doi:10.1038/scibx.2010.452 Published online April 8, 2010</p>	Work unpatented; licensing status not applicable	<p>Diskin, R. <i>et al. Nat. Struct. Mol. Biol.</i>; published online March 31, 2010; doi:10.1038/nsmb1796 Contact: Pamela Bjorkman, California Institute of Technology, Pasadena, Calif. e-mail: bjorkman@caltech.edu</p>