

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Disease models			
<p>Mouse model of obsessive-compulsive disorder</p>	<p>Studies suggest that <i>SLIT</i> and NTRK-like family, member 5 (<i>SLITRK5</i>) knockout mice could be a new model for obsessive-compulsive disorder (OCD). <i>Slitrk5</i> knockout mice had greater anxiety and more obsessive-compulsive behaviors than wild-type mice. The selective serotonin reuptake inhibitor (SSRI) Prozac fluoxetine reduced OCD symptoms in the knockout animals compared with no treatment. Next steps include identifying mutations in <i>SLITRK5</i> that are associated with OCD and identifying ligands that bind the protein. Eli Lilly and Co. markets Prozac to treat depression and other neurological conditions.</p> <p>SciBX 3(18); doi:10.1038/scibx.2010.572 Published online May 6, 2010</p>	<p>U.S. provisional patent application on the technology filed by Cornell University; available for licensing</p>	<p>Shmelkov, S. <i>et al. Nat. Med.</i>; published online April 25, 2010; doi:10.1038/nm.2125 Contact: Shahin Rafii, Weill Cornell Medical College, New York, N.Y. e-mail: srafi@med.cornell.edu</p>