This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Disease models			
Mouse model for typhoid fever	<p>A mouse model for gastroenteritis and typhoid fever caused by <i>Salmonella enterica</i> Typhi could be used to evaluate therapeutic candidates. Mice with a genetic deletion of <i>toll-like receptor 11</i> (<i>Tlr11</i>), a mouse-specific innate immune system receptor that binds to a protein on the surface of <i>S. enterica</i> Typhi, developed enteropathic bacterial infection and had decreased survival compared with wild-type controls. <i>Tlr11</i> knockout mice immunized with heat-killed <i>S. enterica</i> Typhi developed immunity to subsequent infection with live bacteria. Next steps could include using the mouse model to evaluate therapeutic candidates.</p> <p>SciBX 5(46); doi:10.1038/scibx.2012.1217 Published online Nov. 29, 2012</p>	Patent and licensing status undisclosed	<p>Mathur, R. <i>et al. Cell</i>; published online Oct. 26, 2012; doi:10.1016/j.cell.2012.08.042 Contact: Sankar Ghosh, Columbia University, New York, N.Y. e-mail: sg2715@columbia.edu</p>