

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Drug platforms			
Conditional RNAi platform to rapidly assess transient disruption of gene function in mice	<p>An inducible small hairpin RNA vector system could help create transgenic mouse models of disease. A doxycycline-inducible shRNA vector efficiently integrated into mouse embryonic stem cells at a specific genomic site. In mice generated from those cells, gene knockdown was accurately measured by expression of a fluorescent reporter. As proof of concept in mice, doxycycline induction of shRNA targeting the tumor suppressor gene <i>adenomatous polyposis coli</i> triggered symptoms of acute lymphoblastic leukemia compared with no treatment. Next steps include using the system to model the effect of modulating pathways for which there are no available targeted compounds.</p> <p>SciBX 4(16); doi:10.1038/scibx.2011.467 Published online April 21, 2011</p>	<p>Patent application filed; licensed to Mirimus Inc.; available for licensing from Cold Spring Harbor Laboratory or Mirimus</p> <p>Contact: John Maroney, Cold Spring Harbor Laboratory, Cold Spring Harbor, N.Y. e-mail: Maroney@cshl.edu</p> <p>Contact: Prem K. Premsrirut, Mirimus Inc., Cold Spring Harbor, N.Y. e-mail: prem@mirimus.com</p>	<p>Premsrirut, P.K. <i>et al. Cell</i>; published online April 1, 2011; doi:10.1016/j.cell.2011.03.012</p> <p>Contact: Scott W. Lowe, Cold Spring Harbor Laboratory, Cold Spring Harbor, N.Y. e-mail: lowe@cshl.edu</p>