

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Disease models			
<p>Mouse models of lung squamous cell carcinoma with inactivated <i>serine/threonine kinase 11</i> (<i>Stk11; Lkb1</i>) and <i>Pten</i> (<i>Mmac1; Tep1</i>)</p>	<p>Mice with lung-specific inactivation of <i>Lkb1</i> and <i>Pten</i> could be useful as models to evaluate therapeutic candidates for lung squamous cell carcinoma. The mice developed malignant nodules in the lung that showed squamous characteristics 30–40 weeks after inactivation of <i>Lkb1</i> and <i>Pten</i>. In these mice, the histological and gene expression profile of the tumors recapitulated multiple hallmarks of human squamous cell carcinoma. Next steps could include evaluating the effect of various cancer therapies in the mouse model.</p> <p>SciBX 7(21); doi:10.1038/scibx.2014.624 Published online May 29, 2014</p>	<p>Patent and licensing status unavailable</p>	<p>Xu, C. <i>et al. Cancer Cell</i>; published online May 1, 2014; doi:10.1016/j.ccr.2014.03.033 Contact: Kwok-Kin Wong, Harvard Medical School, Boston, Mass. e-mail: kwong1@partners.org Contact: Carla F. Kim, Boston Children's Hospital, Boston, Mass. e-mail: carla.kim@childrens.harvard.edu Contact: Peter S. Hammerman, Dana-Farber Cancer Institute, Boston, Mass. e-mail: phammerman@partners.org</p>