

### This week in techniques

Approach	Summary	Licensing status	Publication and contact information
<b>Disease models</b>			
<p>Mouse models of non-small cell lung cancer (NSCLC) based on serial orthotopic transplantation of tumor tissue</p>	<p>Mouse studies suggest serial passages of tumor tissues in nude mice could help model NSCLC. The model was established via orthotopic implantation of NSCLC tumors from transgenic <i>K-Ras (KRAS)</i>- or <i>EML4-ALK oncogenic fusion protein</i>-mutant mice into nude mice recipients followed by isolation and cryopreservation of samples after growth in recipient mice and transplantation of the samples into new recipients. In the resulting mice, tumor histology and genetic heterogeneity were comparable to those of patient tumors. In these mice, tumor responses to chemotherapeutics and targeted therapies were comparable to patient responses. Next steps could include developing models involving serial orthotopic transplantation of tumors that carry other oncogenic mutations.</p> <p><b>SciBX 7(40); doi:10.1038/scibx.2014.1189</b>  <b>Published online Oct. 16, 2014</b></p>	<p>Patent and licensing status unavailable</p>	<p>Ambrogio, C. <i>et al. Cancer Res.</i>; published online Sept. 12, 2014; doi:10.1158/0008-5472.CAN-14-1606  <b>Contact:</b> David Santamaria, Spanish National Cancer Research Centre (CNIO), Madrid, Spain                      e-mail: <a href="mailto:dsantamaria@cnio.es">dsantamaria@cnio.es</a></p>