

### This week in techniques

Approach	Summary	Licensing status	Publication and contact information
<b>Disease models</b>			
Patient-derived prostate organoids as prostate cancer models	<p>Prostate organoids derived from patient tumor cells could serve as models of prostate cancer. Under 3D cell culture conditions, organoids generated using prostate epithelial cells from a mouse model of prostate cancer reproduced the tumor phenotype and genotype found in the mice. In prostate organoids generated using patient-derived metastatic prostate tumor samples or circulating tumor cell samples, whole-exome sequencing and immunohistochemical analysis showed that the organoids recapitulated the genetic diversity and histological features of prostate tumors from patients and the drug sensitivities of prostate tumors in xenograft mouse models. Next steps could include using the organoids to test prostate cancer therapeutics.</p> <p><b>SciBX 7(40); doi:10.1038/scibx.2014.1190</b>  <b>Published online Oct. 16, 2014</b></p>	Patent and licensing status unavailable for findings from both studies	<p>Karthaus, W.R. <i>et al. Cell</i>; published online Sept. 4, 2014;            doi:10.1016/j.cell.2014.08.017  <b>Contact:</b> Hans C. Clevers, Royal Netherlands Academy of Arts and Sciences and University Medical Center Utrecht, Utrecht, the Netherlands            e-mail:  <a href="mailto:h.clevers@hubrecht.eu">h.clevers@hubrecht.eu</a></p> <p>Gao, D. <i>et al. Cell</i>; published online Sept. 4, 2014;            doi:10.1016/j.cell.2014.08.016  <b>Contact:</b> Yu Chen, Memorial Sloan-Kettering Cancer Center, New York, N.Y.            e-mail:  <a href="mailto:cheny1@mskcc.org">cheny1@mskcc.org</a>  <b>Contact:</b> Charles L. Sawyers, same affiliation as above            e-mail:  <a href="mailto:sawyersc@mskcc.org">sawyersc@mskcc.org</a></p>