This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Assays & screens			
Kinome screen for potential cancer targets	Studies with mammalian tissue and cell cultures identified multiple kinases that could broaden the list of cancer targets. A small hairpin RNA-based loss-of-function kinase screen revealed that kinase requirements for proliferation and survival differed substantially across several human cell lines. Screens performed with two RKO colorectal carcinoma cell lines identified kinases required for the survival of normal RKO cells but not RKO cells expressing a human papillomavirus, HPV16 E7. Another study identified 10 kinases that were required for survival in the cervical carcinoma cell line HeLa but not in the renal carcinoma cell line 786-O, and 5 kinases required in 786-O but not in HeLa cells. Next steps include using the screening platform to compare kinase requirements between primary and metastatic cancer cells. SciBX 1(39); doi:10.1038/scibx.2008.958 Published online Oct. 30, 2008	Unpatented; unlicensed	Grueneberg, D. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online Oct. 20, 2008; doi:10.1073/pnas.0808019105 Baldwin, A. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online Oct. 20, 2008; doi:10.1073/pnas.0806195105 Bommi-Reddy, A. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online Oct. 20, 2008; doi:10.1073/pnas.0806574105 Grueneberg, D. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online Oct. 20, 2008; doi:10.1073/pnas.0806578105 Contact: Ed Harlow, Harvard Medical School, Cambridge, Mass. e-mail: eharlow@hms.harvard.edu