This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Assays & screens			
Genomewide screen for identifying barriers to generation of human induced pluripotent stem (iPS) cells	<p>A screen to identify barriers to the generation of human iPS cells could aid the development of optimized reprogramming protocols. A screen using shRNA libraries covering 19,527 human genes and next-generation sequencing identified targets that could impede the reprogramming of human fibroblasts into iPS cells. The screen identified 956 genes involved in processes including ubiquitination, cell adhesion and motility, and endocytosis as putative barriers to reprogramming. The screen also identified genes involved in transcription, chromatin regulation and dephosphorylation. Next steps could include evaluating how targeting these barriers can impact iPS cell reprogramming efficiency.</p> <p>SciBX 7(32); doi:10.1038/scibx.2014.960 Published online Aug. 21, 2014</p>	Patent and licensing status unavailable	<p>Qin, H. <i>et al. Cell</i>; published online July 17, 2014; doi:10.1016/j.cell.2014.05.040</p> <p>Contact: Miguel Ramalho-Santos, University of California, San Francisco, Calif. e-mail: miguel.ramalho-santos@ucsf.edu</p> <p>Contact: Jun S. Song, same affiliation as above e-mail: songj@illinois.edu</p>