This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Drug platforms			
Image-based high-content screening platform to survey large compound libraries	A platform combining chemical screening with automated image acquisition and analysis could enable the identification of compounds that inhibit disease-associated signal transduction pathways. To demonstrate proof of concept for the approach, about 17,000 compounds were screened for their potential to interfere with the subcellular localization of a fluorescent Notch 1 (NOTCH1) reporter. The screen led to the isolation of two new γ -secretase inhibitors and FLI-06, a dihydropyridine that decreased protein trafficking. Next steps include applying the platform to other signaling pathways and further developing FLI-06.	Patent filed covering use of FLI-06 and derivatives; not yet available for licensing	Krämer, A. <i>et al. Nat. Chem. Biol.</i> ; published online Sept. 29, 2013; doi:10.1038/nchembio.1356 Contact: Christoph Kaether, Fritz Lipmann Institute, Jena, Germany e-mail: ckaether@fli-leibniz.de
SciBX 6(42); doi:10.1038/scibx.2013.1204 Published online Oct. 31, 2013			