This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Assays & screens			
Multistage volumetric bar chart chip (MV-Chip) to detect DNA sequences	A volumetric bar chart chip could be used to detect and quantify DNA for diagnostic purposes. The chip creates a quantified ink bar chart using a three-stage, platinum film-driven reaction between catalase, which is bound to the target DNA probe, and hydrogen peroxide, which generates an oxygen signal that is amplified between platinum films and propels ink movement. The chip detected Ebola virus SNPs, target DNA diluted in complex serum and selectively detected targets in multiplexed DNA assays. Next steps include clinical validation of the chip.	Patent application filed; available for licensing	Song, Y. <i>et al.</i> <i>J. Am. Chem. Soc.</i> ; published online Oct. 25, 2013; doi:10.1021/ja4085397 Contact: Lidong Qin, Houston Methodist Research Institute, Houston, Texas e-mail: lqin@tmhs.org
<i>SciBX</i> 6(47); doi:10.1038/scibx.2013.1360 Published online Dec. 12, 2013			