This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Assays & screens			
Nanopore-based DNA sequencing using phage DNA polymerase and blocking oligomers	A method to combine phage DNA polymerase and blocking oligomers to move DNA molecules through a nanopore could be used for sequencing. The polymerase moved the DNA molecule through an α -hemolysin nanopore to displace the blocking oligomer and catalyze DNA replication, permitting sequencing with single-nucleotide resolution. The strategy moved about 130 molecules per hour through the pore with a 10%–25% DNA template register error rate. Ongoing work has lowered the error rate by an undisclosed amount, and future work will combine the DNA polymerase with a <i>Mycobacterium smegmatis</i> porin A-based nanopore.	Patented; licensed to Oxford Nanopore Technologies Ltd.	Cherf, G.M. <i>et al. Nat. Biotechnol.</i> ; published online Feb. 14, 2012; doi:10.1038/nbt.2147 Contact: Mark Akeson, University of California Santa Cruz, Calif. e-mail: makeson@soe.ucsc.edu
	SciBX 5(10); doi:10.1038/scibx.2012.265 Published online March 8, 2012		