This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Assays & screens			
A submicrosecond nanopore sensor for DNA sequencing	<p>An integrated, nanopore-sensing platform with low noise and submicrosecond resolution could be useful for DNA sequencing. The platform, which combines solid-state nanopores in thin silicon nitride membranes with a complementary metal-oxide semiconductor (CMOS) preamplifier, detected transient DNA signals in 1 microsecond. The platform also provided low-measurement noise at the high bandwidth of 1 MHz. Next steps include collaborations with groups that focus on the biochemical aspects of DNA sequencing.</p> <p>SciBX 5(14); doi:10.1038/scibx.2012.374 Published online April 5, 2012</p>	Patent application filed; available for licensing	<p>Rosenstein, J.K. <i>et al. Nat. Methods</i>; published online March 18, 2012; doi:10.1038/nmeth.1932 Contact: Kenneth L. Shepard Columbia University, New York, N.Y. e-mail: shepard@ee.columbia.edu Contact: Jacob K. Rosenstein, affiliation same as above e-mail: jroenstein@ee.columbia.edu</p>