This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Instrumentation			
Single-molecule sequencer	<p>Single-molecule sequencing of an individual human genome suggests that the technology could be useful for personalized medicine. Coverage of the human genome was achieved with a HeliScope single-molecule sequencer in four separate week-long runs. The coverage allowed detection of about 2.8 million SNPs with a false positive rate of <1% and had 99.8% concordance with existing SNP genotyping arrays. Next steps could include using the technology to expand the number of human genome sequences available for disease-related sequence analysis. Helicos BioSciences Corp. markets the HeliScope single-molecule sequencer.</p> <p>SciBX 2(33); doi:10.1038/scibx.2009.1296 Published online Aug. 27, 2009</p>	Patent and licensing status unavailable	<p>Pushkarev, D. <i>et al. Nat. Biotechnol.</i>; published online Aug. 10, 2009; doi:10.1038/nbt.1561</p> <p>Contact: Stephen Quake, Stanford University, Stanford, Calif. e-mail: quake@stanford.edu</p>