This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Chemistry			
Site-selective fluorination of aryl carbons in nitrogen heterocycles	<p>A method for fluorinating aryl carbons in nitrogen heterocycles could generate new drug compounds or drug intermediates for SAR studies. In a one-step reaction at ambient temperature, the method selectively converted drug-like molecules containing pyridine, pyrazine, quinoline or other six-member nitrogen heterocycles to the corresponding 2-fluoro-substituted heterocycles at yields of 41%–99%. The method also produced a drug-like, 2-fluoropyridyl intermediate from which several 2-pyridyl-substituted compounds were generated. Future studies could include investigating whether the method can be optimized to fluorinate five-member nitrogen heterocycles.</p> <p>SciBX 7(1); doi:10.1038/scibx.2014.32 Published online Jan. 9, 2014</p>	Patent and licensing status unavailable	<p>Fier, P.S. & Hartwig, J.F. <i>Science</i>; published online Nov. 22, 2013; doi:10.1126/science.1243759 Contact: John F. Hartwig, University of California, Berkeley, Calif. e-mail: jhartwig@berkeley.edu</p>