

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Chemistry			
Synthesis of olefin derivatives of aryl hydrocarbons	<p>A method for synthesizing olefin derivatives could generate small molecules to treat multiple diseases. The palladium (Pd)-catalyzed reaction linked aryl carbon scaffolds to olefins with good selectivity and product yields without requiring aryl halide precursors that limit existing methods of aryl-olefin coupling. The new method was used to synthesize olefin derivatives of multiple bioactive compounds and natural products, including ibuprofen, naproxen, 2-tetralone, naphthoic acid, neocarzinostatin and kedarcidin. Ongoing work includes synthesizing additional bioactive molecules and extending the method to alkane-olefin coupling reactions.</p> <p>SciBX 2(47); doi:10.1038/scibx.2009.1745 Published online Dec. 10, 2009</p>	Unpatented; unlicensed	<p>Wang, D.-H. <i>et al. Science</i>; published online Nov. 26, 2009; doi:10.1126/science.1182512 Contact: Jin-Quan Yu, The Scripps Research Institute, La Jolla, Calif. e-mail: yu200@scripps.edu</p>