This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Imaging			
Imidazole-based copolymer compounds for quantum dot imaging	<p>Imidazole-based copolymer compounds could be useful for quantum dot imaging of living cells and tissues. The compounds produced aqueous quantum dots that had a higher stability and greater shelf life than a previously reported dihydrolipoic acid-derived compound. The imidazole-based ligands also had desirable quantum dot properties, including small size, high yields and easy chemical derivatizability. In a mouse breast tumor model, quantum dots based on the imidazole-based copolymers imaged vascular transport. Next steps could include optimizing chemical derivatives of the imidazole-based copolymers for <i>in vivo</i> targeting.</p> <p>SciBX 3(4); doi:10.1038/scibx.2010.135 Published online Jan. 28, 2010</p>	Patent and licensing status unavailable	<p>Liu, W. <i>et al. J. Am. Chem. Soc.</i>; published online Dec. 21, 2009; doi:10.1021/ja908137d</p> <p>Contact: Mouni G. Bawendi, Massachusetts Institute of Technology, Cambridge, Mass. e-mail: mgb@mit.edu</p>