

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Imaging			
<i>In vivo</i> imaging of bone-resorbing osteoclasts to evaluate bone disease therapeutics	<i>In vivo</i> imaging probes of bone-resorbing osteoclasts could help evaluate bone disease therapeutics. The probes contained a bone-targeting bisphosphonate group and fluoresced only under acidic conditions at sites of resorption on the bone surface. In mice, two-photon microscopy detected the fluorescent probe localized to low-pH osteoclast bone resorption pits. Next steps could include using the imagining method to evaluate bone disease therapeutics in mice.	Patent and licensing status unavailable	Kowada, T. <i>et al.</i> <i>J. Am. Chem. Soc.</i> ; published online Sept. 22, 2011; doi:10.1021/ja2064582 Contact: Kazuya Kikuchi, Osaka University, Osaka, Japan e-mail: kkikuchi@mls.eng.osaka-u.ac.jp
	SciBX 4(40); doi:10.1038/scibx.2011.1132 Published online Oct. 13, 2011		