

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Imaging			
Probe for functional imaging of legumain (LGMN)	<p>An activity-based fluorescent probe could be used to study the activity of LGMN, a protein associated with cancer and inflammation. The probe is designed to fluoresce after binding covalently to the active form of LGMN. In human monocyte and cancer cell lines, the probe identified different patterns of LGMN activation in response to cytokine stimulation. In a mouse xenograft model of human colorectal cancer, tail vein injection of the probe led to a detectable fluorescence signal at the tumor periphery within 30 minutes and maximum signal contrast between normal and tumor tissues at 7 hours. Next steps include testing the probe in additional models of cancer and inflammation and evaluating the probe's toxicity.</p> <p>SciBX 6(1); doi:10.1038/scibx.2013.25 Published online Jan. 10, 2013</p>	Patent application filed; licensed to Akrotome Imaging Inc.	Edgington, L.E. <i>et al. J. Am. Chem. Soc.</i> ; published online Dec. 8, 2012; doi:10.1021/ja307083b Contact: Matthew Bogyo, Stanford University School of Medicine, Stanford, Calif. e-mail: mbogyo@stanford.edu