

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Drug delivery			
Heat-activated, tumor-targeted drug delivery	<p>A study in mice suggests that nanorods could help deliver therapeutics to tumors. In mice, tumor-directed delivery of gold nanorods followed by infrared irradiation led to expression of heat stress proteins in tumor-associated cells. Subsequent delivery of doxorubicin-loaded liposomes caused higher levels of the compound to accumulate in heat-treated tumor sites and improved survival compared with what was seen in control animals that received no infrared radiation. Next steps include using the nanorods to help deliver contrast agents for cancer imaging studies.</p> <p>SciBX 3(5); doi:10.1038/scibx.2010.168 Published online Feb. 4, 2010</p>	Patent pending; available for licensing	<p>Park, J.-H. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online Dec. 28, 2009; doi:10.1073/pnas.0909565107 Contact: Michael J. Sailor, University of California, San Diego, La Jolla, Calif. e-mail: msailor@ucsd.edu</p>