

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Drug delivery			
Paired liposomes for intracellular, ATP-inducible drug release	<p>A paired liposome system for ATP-induced chemotherapy release could help treat cancers. The system uses a cell-penetrating, ATP-containing liposome plus a membrane fusion-promoting liposome containing an ATP-responsive DNA scaffold loaded with doxorubicin. In a mouse xenograft model of human breast cancer, intratumoral injection of both liposomes increased tumor growth inhibition compared with injection of the doxorubicin-containing liposome alone or free doxorubicin. Next steps include testing the liposome delivery system on larger animals and adapting it for the delivery of other drugs.</p> <p>SciBX 7(21); doi:10.1038/scibx.2014.625 Published online May 29, 2014</p>	Patent application filed; available for licensing	<p>Mo, R. <i>et al.</i> <i>Angew. Chem. Int. Ed.</i>; published online April 24, 2014; doi:10.1002/anie.201400268 Contact: Zhen Gu, The University of North Carolina at Chapel Hill and North Carolina State University, Raleigh, N.C. e-mail: zgu@email.unc.edu Contact: Ran Mo, same affiliation as above e-mail: rmo@ncsu.edu</p>