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**This week in techniques**

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Approach	Summary	Licensing status	Publication and contact information
<b>Imaging</b>			
Combined use of luminescence imaging and MRI for real-time, <i>in vivo</i> , quantitative monitoring of drug release	A combined strategy using luminescence imaging and MRI could be useful for real-time, quantitative monitoring of drug release <i>in vivo</i> . Nanoparticles designed to release their payload in response to excitation with near-infrared light were loaded with doxorubicin. In a human cancer cell line and in zebrafish treated with the doxorubicin-loaded nanoparticles, the combined imaging strategy using luminescence imaging and MRI enabled real-time monitoring and quantification of doxorubicin release from the nanoparticles. Ongoing work includes using the approach to perform real-time monitoring of drug release in larger animal models, including rabbits and canines.  <i>SciBX</i> 7(17); doi:10.1038/scibx.2014.506 Published online May 1, 2014	Unpatented; licensing status not applicable	Liu, J. <i>et al. Angew. Chem. Int. Ed.</i> ; published online March 25, 2014; doi:10.1002/anie.201400900 <b>Contact:</b> Jianlin Shi, Shanghai Institute of Ceramics, Chinese Academy of Sciences, Shanghai, China e-mail: <a href="mailto:jlshi@mail.sic.ac.cn">jlshi@mail.sic.ac.cn</a> <b>Contact:</b> Wenbo Bu, same affiliation as above e-mail: <a href="mailto:wbbu@mail.sic.ac.cn">wbbu@mail.sic.ac.cn</a>