

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Drug delivery			
Magnetic nanoparticle (MNP)-assisted adenoviral gene transfer	Adenovirus-loaded MNPs may be useful for delivering gene therapy. In rat aorta smooth muscle cells and bovine aorta endothelial cells, delivery of an MNP-coupled adenoviral vector in the presence of a magnetic field produced more efficient gene transfer than when no magnetic field was used. Increasing the amount of MNP led to higher transduction rates when a magnetic field was present but not when it was absent. Ongoing <i>in vivo</i> studies are evaluating the use of adenovirus-loaded MNPs to treat arterial disease and prevent restenosis in stented arteries.	Patent application filed; available for licensing from The Children's Hospital of Philadelphia Office of Technology Transfer	Chorny, M. <i>et al. Mol. Pharm.</i> ; published online June 4, 2009; doi:10.1021/mp900017m Contact: Robert J. Levy, The Children's Hospital of Philadelphia, Philadelphia, Pa. e-mail: levyr@email.chop.edu
	<i>SciBX</i> 2(25); doi:10.1038/scibx.2009.1026 Published online June 25, 2009		