

## **Use of nanoparticles to deliver cancer drugs to tumor site**

Scientists from University of California, Los Angeles (UCLA) have successfully used engineered mesoporous silica nanoparticles (MSNPs) as delivery vehicles for drug-carrying nanoparticles that reach and are retained at tumor sites. By manipulating the size and surface properties of the nanoparticles, a significant increase in particle retention at the tumor site could be experimentally demonstrated as approximately 10 to 12 percent of all the drug-loaded particles injected intravenously reached the tumor site in the mouse model. The improved drug delivery was accompanied by a significant reduction in systemic side effects such as weight loss and reduced liver and renal injury.

### **Source of the above information**

<http://www.regenerativemedicine.net/NewsletterArchives.asp?qEmpID=4756&qCat=USN>

[http://www.ehow.com/info\\_8394861\\_recent-innovations-technology.html](http://www.ehow.com/info_8394861_recent-innovations-technology.html)