

Nanoparticles for treatment of cancer

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Drug-loaded nanoparticles, particularly those formed from degradable polymers, have several properties that will make them useful vehicles for drug delivery including high drug loading, efficient entry into cells, and capability for selective targeting. This presentation reviews these properties, and engineering methods for achieving them with PLGA materials. The application of nanoparticles for cancer treatment, drug delivery to the brain, and delivery through epithelial cells will be reviewed.