



Biomedical Engineering Seminar Series



Johns Hopkins School of Medicine and the Whiting School of Engineering

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Monday, February 15, 2010, at 1:30

Talbot Library, Traylor 709, School of
Medicine

Host: Dr. Jordan Green

Video-Teleconferenced to Rome Room, Clark 110,
Homewood Campus

Light lunch will be provided in Clark 110

Targeting and Drug Delivery by Biodegradable Polymer Nanoparticles

Abstract:

Drug-loaded nanoparticles, particularly those formed from hydrophobic degradable polymers, have several properties that will make them useful vehicles for drug and oligonucleotide 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 poly(lactide-co-glycolide) and other polymers. The application of these nanoparticles will be illustrated in the treatment of cancer and infectious diseases.

<http://www.hopkinsmedicine.org/ibbs/news/events.html>

<http://www.hopkinsmedicine.org/scical>

<http://www.bme.jhu.edu>

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