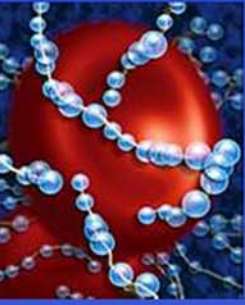


# Program of Excellence in Nanotechnology (PEN)

Integrated Nanosystems for Diagnosis and Therapy



Siteman Center of Cancer  
Nanotechnology Excellence (SCCNE)



## SEMINAR

Karen L. Wooley, Ph.D.  
PEN Principal Investigator

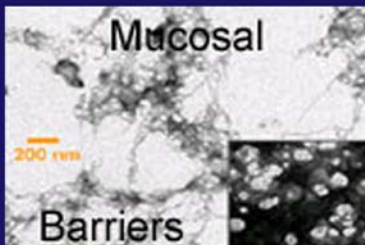
Samuel A. Wickline, M.D.  
SCCNE Principal Investigator



### Justin S. Hanes, Ph.D.

Professor of Chemical & Biomolecular Engineering  
Director of Therapeutics, The Institute for NanoBioTechnology  
Joint Appointments:  
Biomedical Engineering, Environmental Health Sciences, and Oncology  
The Johns Hopkins University

## “Nanomedicines That Overcome The Mucus Barrier”



**Thursday, May 7, 2009**  
12:30 p.m. - 1:30 p.m.

**Robert E. Connor Auditorium**  
Washington University School of Medicine  
Farrell Learning & Teaching Center, 1st floor  
520 S. Euclid Ave.