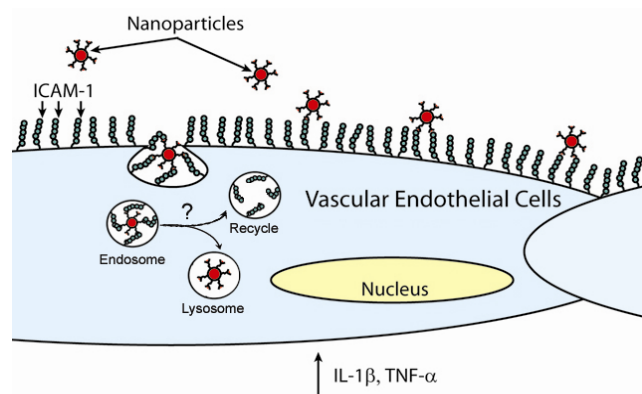


Therapeutic Particles & Biomaterials Technology

Research:

- Drug Delivery
Nanotechnology, drug targeting, aerosols, microencapsulation
- Biomaterials
Polymers, tissue scaffolding, processing techniques



Collaborating Faculty:

Michael Detamore, PhD, Chemical & Petroleum Engineering
Shilpa Buch, PhD, Molecular & Integrative Physiology
Benyi Li, PhD, Molecular & Integrative Physiology

Equipment:

Brookhaven ZetaPALS, Coulter Multisizer 3, Viscotek Size Exclusion Chromatography, Shimadzu HPLCs

Funding Sources:

NIH, DOD, American Heart Association, Cystic Fibrosis Foundation, The Coulter Foundation, PhRMA Foundation, The Juvenile Diabetes Research Foundation, NSF



Director:

Cory Berkland, Ph.D.

(University of Illinois – Urbana, 2003)
Assistant Professor,
Joint Appt.: Chemical & Petroleum Engineering and Pharmaceutical Chemistry



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Courses:

Drug Delivery
Thermodynamics
Advanced Transport Phenomena

Go to www.bio.engr.ku.edu to learn more.