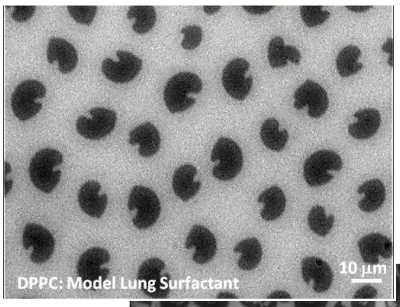
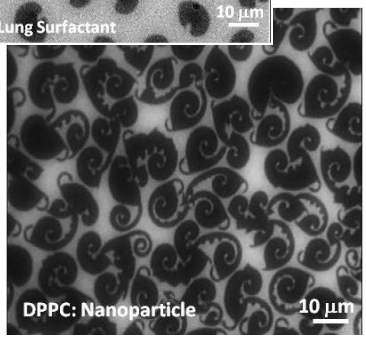
Molecular Engineering & Interfacial Nanomedicine Lab

Research:

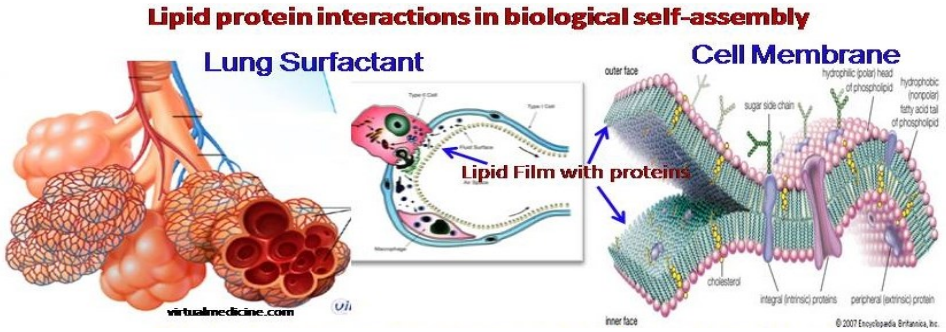
- Interfacial phenomenon in biological systems
- Interfacial microrheology
- Lipid-protein interactions
- Protein aggregation diseases





Collaborating Faculty:

Chemical and Petroleum Engineering: Cory Berkland, Ph.D., Jenn-Tai Liang, Ph.D. & Stevin Gehrke, Ph.D.
Medicinal Chemistry: Blake Peterson, Ph.D.
Molecular Biosciences: T. Christopher Gamblin, Ph.D.
Pharmaceutical Chemistry: M. Laird Forrest, Ph.D. & Susan Lunte, Ph.D.



Equipment:

Langmuir troughs with Wilhelmy plate set-up, custom built interfacial nanorod rheometer, custom built microrheometer, fluorescence microscopes

Funding Sources:

National Science Foundation
National Institutes of Health (COBRE award)
Higuchi Biosciences Center (Jay Award)

Director:

Prajna Dhar, Ph.D.
(FSU, 2008)
Assistant Professor,
Chemical & Petroleum Engineering

Prajnadhar@ku.edu

Courses:

Momentum Transfer
Basic Rheology
Heat Transfer
Chemical Reaction Engineering

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