Research:

- Drug delivery of microbicides
- Reproductive biomechanics
- Non-Newtonian fluid mechanics
- Rheology
- Transport phenomena

Collaborating Faculty:

Obstetrics & Gynecology:  Carl P. Weiner, MBA, M.D.
Chemical Engineering: Kyle V. Camarda, Ph.D.
Molecular Biosciences:  P. Scott Hefty, Ph.D.
Bioengineering:  J. Lawrence Katz, Ph.D., Anil Misra, Ph.D., and Paulette Spencer D.D.S., Ph.D.

Equipment:

TA Instruments AR2000 rheometer, flow simulation apparatus and camera, NI CompactRIO programmable automation controller, data acquisition cards, and access to shared parallel computing resources

Funding Sources:

NIH R21/R33 Microbicide Innovation Program, IAMi, NIH K12 BIRCWH (Building Interdisciplinary Research Careers in Women’s Health), NSF, KCALSI (Kansas City Area Life Sciences Institute)

Director:

Sarah L. Kieweg, Ph.D.
(Duke, 2005)
Assistant Professor,
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Courses:

Biofluid Dynamics
Complex Fluids
Thin Film Flow

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