

# Biomaterials Synthesis & Characterization Laboratory

## Research:

- High-performance biomaterials
- Controlled drug delivery
- Tissue engineering

## Collaborating Faculty:

Chemical Engineering: Michael Detamore, Ph.D., (KU)

Pharmaceutical Chemistry: Cory Berkland, Ph.D. (KU)

& Teruna Siahaan, Ph.D. (KU)

Biochemistry: Michael Kanost Ph.D. & Karl Kramer, Ph.D. (KSU)



## Equipment:

RSA III Dynamic Mechanical Analyzer; AR-2000 Rheometer; miniDawn TREOS Multi-angle Laser Light Scattering Detector; Bioflo 100 Computer-controlled Bioreactor; Prominence HPLC system; SDT Q600 Simultaneous TGA/DSC (Thermogravimetric Analyzer/ Differential Scanning Calorimeter); UV/Vis Spectrophotometer



### Director:

**Stevin Gehrke, Ph.D.**

(University of Minnesota, 1996)  
Professor, Chemical & Petroleum Engineering



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### Courses:

Advanced Transport Phenomena II  
Advanced Pharmaceutical Biotechnology  
Industrial Separations Processes  
Chemical Engineering Laboratory I

Go to [www.bio.engr.ku.edu](http://www.bio.engr.ku.edu) to learn more.