

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



shgehrke@ku.edu

Courses:

Advanced Transport Phenomena II

Advanced Pharmaceutical Biotechnology

Industrial Separations Processes

Chemical Engineering Laboratory I

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