Musculoskeletal Biomechanics Laboratory

Research:
- Hand and wrist biomechanics
- Computer modeling of functional activities
- Orthopedic tissue characterization
- Design & evaluation of wheelchair seating
- Stress and Morphological analysis of paleontological specimens
- Stroke rehabilitation enhancements

Collaborating Faculty:

**Human joint studies:** E. B. Toby, MD (KU Med); T. McIff (KU Med) and S-P. Lee (KU Med)

**Wheel chair seating:** K. Lassman (Kansas Neurological Institute)

**Paleontology:** L. Martin (KU) & B. Rothschild (KU)

**Stroke Rehabilitation:** W. Liu (IKU Med) and P. Kluding (KU Med)

Equipment:
- Multiple PC and unix computers;
- Microscribe 3-D digitizer;
- Tissue milling machine;
- Portable low-field MRI scanner

Funding Sources:
- National Institutes of Health (NIBIB)

Director:
- Kenneth J. Fischer, Ph.D.
  (Stanford, 1995)
  Assistant Professor,
  Mechanical Engineering

fischer@ku.edu

Basic Biomechanics
Bone Biomechanics
Computer Simulation in Biomechanics
Continuum Mechanics for Soft Tissue

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