

Spine Biomechanics Laboratory

Research:

- Spine biomechanics
- Spine implant design and testing
- Piezoelectric composites
- Biomaterials characterization

Collaborating Faculty:

Vijay Goel, Ph.D. (UT)

Paul Arnold, M.D.; Doug Burton, M.D. (KUMC)

John Anderson, M.D., (CMH)

Sara Wilson, Ph.D.; Steve Gehrke, Ph.D. (KU)



Equipment:

ATS Spine Simulator; MTS MiniBionix Biaxial Test System; MTS Spine Simulator; MTI Noncontact Displacement Transducers; Hioki LCR meter; Trek High Voltage Power Supply; Furnaces and Ovens; Specimen Preparation Equipment

Funding Sources:

- Industry contracts
- Institute for Advancing Medical Innovation
- NIH
- NSF



Director:

Lisa Friis, Ph.D.

(WSU, 1994)

Associate Professor,
Mechanical
Engineering



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Courses:

Biomaterials

Biomedical Product Development

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