

APK CENTER FOR EXERCISE SCIENCE



Biomechanics Laboratory

The Biomechanics Lab focuses on analyzing human movement, specializing on the lower extremities. The lab studies the motion of the hip, knee and ankle during activities of daily living and fast-paced movements for different populations. Researchers have investigated the health benefits of a power-assist wheelchair for people who are unable to walk.



Back row: Dr. Chris Hass, Dr. Mark Tillman, Doug Doidge, Elan Dalton and Ryan Mizell. Front row: Jessica Joyner, Joe Nocera, Shinichi Amano and Srikant Vallabhajosula

Biomechanics Laboratory Quick Facts

Year founded: 1995

Lab director: Dr. Mark Tillman

Lab staff: Dr. Chris Hass, Dana Otzel, Srikant Vallabhajosula, Ryan Mizell, Doug Doidge, Tara Kalajian and Jay Salmon

Current research projects: Effects of whole-body vibration on balance control in individuals with chronic ankle instability. Investigating potential benefits of stimulating the neuromuscular system with a vibrating platform for people with knee osteoarthritis.