The primary goal of the Department of Kinesiology is to improve human health by advancing knowledge through research. We conduct both basic and applied research in a wide array of specializations that span the physical, life, behavioral, and social sciences, together with the humanities as they relate to human movement and physical activity. Kinesiology faculty and students have access to a variety of laboratories and facilities that provide for research, student learning and community engagement.

**EXERCISE PHYSIOLOGY LAB**
The Exercise Physiology Lab is equipped with state of the art technology to conduct research and exercise testing to facilitate optimum human health and performance.

GYM 111A & 133  
Matt Lee, PhD  
Marialice Kern, PhD

**MUSCLE PHYSIOLOGY LAB**
The Muscle Physiology Lab (MPL) studies skeletal muscle structure, function, and plasticity in response to acute and chronic exercise.

GYM 139 & GYM 111A  
Jimmy Bagley, PhD

**STRENGTH AND CONDITIONING LAB**
The Strength and Conditioning Lab studies physical fitness and strength to improve physical performance of competitive athletes and general population.

GYM 148  
Kent Lorenz, PhD

**HUMAN PERFORMANCE TEACHING LAB**
Our Human Performance Teaching Lab is the main laboratory used to teach all lab courses in Anatomical Kinesiology, Exercise Physiology and Biomechanics.

GYM 112

**M.A.R.E.Y. LAB**
The MAREY Lab examines the biomechanics of gait and balance while exploring postural control and safe gait patterns under a variety of challenging environmental conditions.

GYM 150  
Kate Hamel, PhD

**NEUROTECH LAB**
The NeuroTech Lab integrates technologies to study the interplay between the central and peripheral nervous systems in a variety of external environments.

HSS 386  
Charmayne Hughes, PhD

**P.A.C.E. LAB**
The Physical Activity, Cultural and Education (PACE) Lab studies socio-cultural, pedagogical, psychological, and youth development frameworks, methods and theories to explore participation in physical activity.

GYM 144  
Susan Zieff, PhD

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