Musculoskeletal Control and Dynamics

Director: Antonia Zaferiou, Ph.D.
Assistant Professor, Department of Biomedical Engineering

Understand Neuromuscular Control of Human Movement
- Determine how older adults balance while walking and turning in real-world contexts.

Developing Personalized Biofeedback with Sonification (Auditory Display)
- Improve balance by conveying measures from body-worn sensors through sound

STEM Outreach through Sport and Dance Biomechanics

Major League Baseball Pitching and Batting Research Grants

Undergraduate Research Fellowships:
- "Innovation and Entrepreneurship" scholar
- "Pinnacle" scholars

Leadership in Major League Baseball Pitching and Batting Research Grants

www.ZaferiouLab.com