

Vestibular and Balance Rehabilitation Laboratory (STABILITI Lab)

Current Projects

Vestibular App Development

In partnership with CFD Research Corporation, we have developed an interactive vestibular rehabilitation application for people with dizziness to increase adherence to their exercise program. The Vestibular App will deliver exercises in an interactive, game-based format with feedback to improve exercise accuracy and performance. We are testing the in-home use of the app in people with vestibular disorders.

Vestibular Contribution to Head Impact During Falls

We are collaborating with the Mobility and Falls Lab to determine the relationship between vestibular function and head impact during experimentally induced falls.

Product Development to Test Vestibular Function

In collaboration with Interacoustics, we are a beta site to test and provide feedback on a new test, The Functional Vision Head Impulse Test, to assess vestibular function.

Testing the Relationship Between Vestibular Function and Path Integration Across the Life Span

We are testing vestibular function across the life span in healthy adults between 20 to 80 years of age and assessing the relationship with movement.

Access to Care After Unintentional Head Injury in Latino Construction

workers

We are conducting listening sessions with Juntos and Grupo de Parroquial to better understand access to care issues after unintentional head injury in Latino construction workers.

Our Collaborators

We work closely with partners at KU Medical Center and beyond:

- [Mobility and Falls Lab, KU Medical Center.](#)
- [Laboratory for Advanced Rehabilitation Research in Simulation, KU Medical Center.](#)
- [KU Department of Dietetics and Nutrition.](#)
- [Otolaryngology-Head and Neck Surgery, KU School of Medicine.](#)
- [JUNTOS - Center for Advancing Latino Health, KU Medical Center](#)
- [Community Engaged Research at Children's Mercy Hospital.](#)
- [CFD Research Corporation.](#)
- [Department of Psychology, University of Calgary.](#)