

Participants Needed: **VESTIBULAR INFLUENCE ON COMPENSATORY STEPPING REACTIONS**



We invite individuals ages 18-30 and 65+ to participate in a study in distinguishing the role of vestibular sensory information on compensatory stepping reactions.

Participants will recover balance following perturbations, similar to standing on a bus that suddenly brakes. The study takes approximately 3 hours. Participants must be:

- Between 18-30 years or 65+ years old
- Are right leg dominant
- Do not get migraines, cluster headaches, motion sickness, vertigo
- Do not have a skin sensitivity/allergy to skin adhesives, a condition that affects movement (back pain, arthritis, Parkinson's disease etc.) or sensation (diabetes, etc.), or issues with the ability to do routine mental tasks (Alzheimer's disease, ADHD etc.)
- Are not on medication for mood, anxiety, or affecting alertness
- Have 20/20 vision, or are able to wear contacts to correct vision to 20/20
- Have not experienced a concussion
- No chance of pregnancy
- Do not have a cold/ear/sinus infection
- Have not participated in a balance perturbation study within the last year

The researchers wish to be inclusive in the recruitment process. The project requires:

- Placement of special markers on the body to track body movement (direct skin contact)
- Interaction with male and/or female researchers
- Wearing shorts & sleeveless shirt
- Removal of articles of clothing, including headgear and socks
- Wearing a harness about the trunk and between the legs

If for any reason you may feel uncomfortable taking part, please contact the researcher to discuss these requirements and possible modifications to the procedure to address your concerns

If you are interested in participating or have any questions, please contact:

Brye McMorran (PhD candidate): bmcmorra@uoguelph.ca ; 905-252-0439

This project has been reviewed by the Research Ethics Board for compliance with federal guidelines for research involving human participants

Vestibular Compensatory Stepping Study
Brye McMorran
e-mail: bmcmorra@uoguelph.ca
Phone: 905-252-0439

Vestibular Compensatory Stepping Study
Brye McMorran
e-mail: bmcmorra@uoguelph.ca
Phone: 905-252-0439

Vestibular Compensatory Stepping Study
Brye McMorran
e-mail: bmcmorra@uoguelph.ca
Phone: 905-252-0439

Vestibular Compensatory Stepping Study
Brye McMorran
e-mail: bmcmorra@uoguelph.ca
Phone: 905-252-0439

Vestibular Compensatory Stepping Study
Brye McMorran
e-mail: bmcmorra@uoguelph.ca
Phone: 905-252-0439

Vestibular Compensatory Stepping Study
Brye McMorran
e-mail: bmcmorra@uoguelph.ca
Phone: 905-252-0439

Vestibular Compensatory Stepping Study
Brye McMorran
e-mail: bmcmorra@uoguelph.ca
Phone: 905-252-0439

Vestibular Compensatory Stepping Study
Brye McMorran
e-mail: bmcmorra@uoguelph.ca
Phone: 905-252-0439