

Department of Kinesiology
University of Waterloo

PARTICIPANTS NEEDED FOR RESEARCH IN NEUROSCIENCE



We are looking for two groups of individuals aged 18–40 to take part in a study on sensory processing:

- Individuals diagnosed with attention deficit hyperactivity disorder (ADHD)
- Individuals without an ADHD diagnosis

Brain activity will be enhanced by using a non-invasive method called intermittent theta burst (iTBS), which uses magnets to change the electrical activity in the targeted location. Brain activity will be measured non-invasively using electroencephalography (EEG) and muscle activity in the hand will be measured using non-invasive electromyography (EMG). As a participant in this study, you would be asked to complete a visuo-tactile task. This would involve completing a cross-modal task using a mouse.

Eligible individuals should have no history of seizures, neurological illnesses or events, active symptoms of concussion along with no medical implants/metal implants and willing to stop taking any medication which crosses the blood-brain barrier 48hrs prior to the study.

Your participation would involve 1 session, which will take approximately 2 hours.

You will receive \$20 in appreciation for your time.

For more information about this study, or to volunteer for this study, please contact:

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This study has been reviewed by, and received ethics clearance through, a University of Waterloo Research Ethics Board.