



## RESEARCH PARTICIPANTS NEEDED!

Help us investigate the underlying dysfunctions leading to  
communication disorders.

- When?** This study is currently being run Monday-Friday from 9am-4pm.
- Where?** This study takes place in the Science Research Building at Wilfrid Laurier University (75 University Ave., Waterloo, ON).
- Compensation:** To thank you for participating in our study, we will pay you \$11 per session (\$33 in total)
- Experiment Length:** Approximately one hour per session

### **Study Details:**

Several serious and debilitating neurological disorders such as Parkinson's disease, Alzheimer's disease, and Huntington's disease affect the human communication system. Fortunately, with early diagnosis and intervention the impact of these disorders can be reduced. One of the easiest ways to diagnose communication disorders is by recognizing deviations from normal vocal and neural activity patterns. The only way that this can be made possible is by determining how normal activity patterns appear in healthy adults of different ages. In order to do this, we require a wide range of adult volunteers from ages 18 to 80 years to provide data that will allow us to map out a timeline of how vocal control changes across the adult lifespan. In total this study will recruit 304 participants.

This is an EEG study, which means you will be wearing a brain-wave cap that requires the use of salt solution (your hair will become damp, but we have facilities for you to wash and dry your hair afterwards). The cap only uses surface recording electrodes; you will not suffer any discomfort and the cap cannot harm you as it only records! During the study you will be vocalizing saying a word many times.

For More Information, or to Sign Up, Please Email:  
[speechstudy@joneslab.ca](mailto:speechstudy@joneslab.ca)

\*This study has been approved by the Research Ethics Board at Wilfrid Laurier University