



THE UNIVERSITY OF BRITISH COLUMBIA

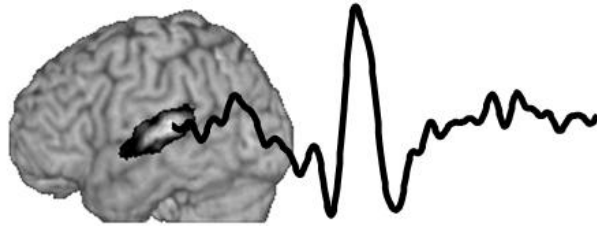
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What do your BRAIN waves look like?

Come help out science and get a picture of your brain waves!

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Associate Professor
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A picture of your brain waves!

Project title: Cortical auditory evoked potentials in infants and adults.

Adult participants, ages 19 to 35 years, with normal hearing and normal neurological status (see page 2) are needed for a study investigating hearing.

Our proposed research addresses important questions regarding neural activity associated with auditory functions. Specifically, our experiments will help determine if electroencephalography (EEG) can be used to assess auditory temporal acuity and integration (i.e., detecting gaps in sounds). This research will help us determine if EEG could potentially be used to identify infants and children with problems associated with auditory temporal integration.

During this study, you will be asked to undergo approximately 30 minutes of behavioural testing that includes simple button presses or hand-raises to sounds and standardized hearing tests. You will also be asked to undergo approximately 90 minutes of EEG recordings. During the EEG recording session, you will be asked to watch a closed-caption movie of your choosing. EEG passively measure your brain activity. You will not experience any sensation of being "measured" during this time.

You will receive an honorarium of \$20 for completion of the study, or \$10 per hour or any part of an hour. We hope to see you soon!

For further information, please contact:

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Exclusion Criteria for Participation

The following list will help in determining if you can participate in this study. Please read over this list carefully. If any of the following apply, you will not be able to participate in this study.

Sensory Impairments:

Impaired vision (unless corrected using contact lenses or glasses)
Impaired hearing

Cognitive Challenges/Impairments:

ADD/ADHD	Autism
Depression	Fetal Alcohol Syndrome
Psychosis	Dyslexia
Down's Syndrome	Cerebral Palsy
Schizophrenia	Antisocial Personality Disorder or Conduct Disorder
Claustrophobia	Motor control disorder
Tourets Syndrome	Concussion (recent or with long-lasting effects)
Agnosia	Aphasia
Brain tumour	Epilepsy
Speech/language impairments	Perception/production impairments
Traumatic brain injury	

Drugs/Medications:

Anti-depressants – Prozac, celexa, etc	Narcotics – codeine, morphine
Anti-anxiety – Paxil, etc	Barbiturates/sedatives – Valium, Ketamine
Anti-psychotics – Lithium, etc	Depressants – Alcohol
Hallucinogens – LSD, Magic Mushrooms, peyote	Marijuana
Stimulants – Cocaine, ephedrine, Ritalin, etc	Other mind altering substances