

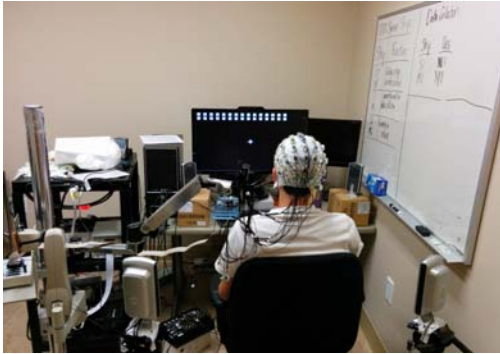
Participate in Research

Characterizing brain states using an electrical brain activity sensing headband



Principal Investigator:
Dr. Tom Chau

Centre for Leadership:
Applied Innovation



CONTACT INFORMATION:

To ask questions please contact

Fanny Hotzé
PRISM Lab, Bloorview Research
Institute
fhotze@hollandbloorview.ca
416-425-6220 x6459

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Do you want to help develop a system that could be used to improve focus, concentration and stress management?

Consider participating in a research study about the characterization of brain states

What is this study about?

- We will record the electrical activity of your brain using sensors placed on your head.
- We will analyze your brain activity while you perform a series of auditory tasks.

Who can participate?

We are looking for able-bodied individuals who:

- are between 18 and 40 years of age
- have no motor disorder
- have normal or corrected-to-normal audition
- can read and write in English
- have no health issues that include alcoholism, psychotic depression, obsessive compulsive disorder, schizophrenia
- do not take any medications that may cause drowsiness or affect your brain signals on a daily basis
- do not practice meditation on a regular basis

What's involved?

We are working with a private company to develop brain activity sensing applications.

At the beginning of each session, sensors will be placed on your head, on one of your fingers and around your chest.

You will perform a simple focusing task (e.g., counting your breathing cycles,...) and, when you hear a chime, you will have to press a button if you were mind wandering.

- You will attend 3 sessions, over up to 4 months
- Each session will last about 1 hour
- All sessions will take place at Holland Bloorview and will be scheduled at your convenience

What are the benefits of participating?

- Your participation will help in the development of a simple brain-state detector that could be used by the general population to improve focus, concentration, and stress management.
- You will not directly benefit from participating but you will receive a small token of appreciation to thank you for your time.