

.5 FTE Research Assistant Wanted

The Human Affective and Motivational Neuroscience (HAM) laboratory (<https://narunpat.github.io/>) at the department of psychology is seeking a research assistant (RAN03 <https://www.otago.ac.nz/humanresources/otago709966.pdf>). This one-year .5 FTE paid position will be funded by Otago Medical Research Foundation grant through assistance from M Begg Charitable Trust.

The research assistant will gain invaluable experience in various aspects of the research process while working closely with Dr. Narun Pat (Pornpattananangkul), other lab members, local collaborators in New Zealand and international collaborators at National Institute of Mental Health in the US and Cardiff University in the UK.

The main task is to analyze Big data in neuroimaging and genomics for individual differences related to mood disorders (see doi.org/10.1001/jamapsychiatry.2019.0020 for similar work from the lab). The research assistant will also coordinate various aspects of research projects. These may include, but not limit to, programing tasks, analyzing data, preparing papers for publication, collecting data, preparing ethics documents, operating laboratory equipment and other lab-related duties. Thus, the position is ideal for someone with the goal of pursuing graduate training in psychology, neuroscience, data science and other bio-medical disciplines.

Desired:

- Major/minor in Mathematics and Statistics, Information Science, Computer Science, Economics or other computationally related disciplines.
- Familiarity with computers and script coding for data science (e.g., R, Python, Matlab, Shell, Jscript, Stan, JAGS, WinBugs and/or others).
- Familiarity with statistics, computational modeling, big data and/or machine learning
- Experience with signal processing, especially in the context of human neuroimaging (fMRI and EEG), not required but desirable.

The starting date is in October 2019, but can be flexible. If you are interested in this position, please contact Dr. Narun Pat at narun.pat@otago.ac.nz.

