



JOB DESCRIPTION

Job Title: Computational Neuroscience Research Assistant
Department: Clinical Psychology
Reports to: Stacie L. Warren, Ph.D. and Tilman Schulte, Ph.D.

JOB SUMMARY

A Computational Neuroscience Research Assistant position is currently available at Palo Alto University to support the Clinical Cognitive and Affective Neuroscience Programs directed by Stacie L. Warren, PhD and Tilman Schulte, PhD. This is an exciting opportunity to work on a range of cognitive and affective studies that focus on executive function, emotion regulation, stress responsivity, reward processing, and aging on neural circuitry. Populations of interest include healthy adults, adults with or at risk for developing psychopathology, and neurological disorders. Opportunities to develop and apply novel data analysis techniques, to co-author research publications, and to assist with similar studies in children through a partnership with Stanford University are also available.

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Essential Functions

- Developing software/scripts to implement algorithms for data quality control, preprocessing, analysis, and management.
- Developing and implementing statistical/mathematical modeling (e.g., machine learning algorithms) to characterize high-dimensional datasets.
- Assisting with analyzing neuroimaging research data using neuroimaging-specific programs and/or software (e.g., FSL, Freesurfer, SPM, AFNI).

Qualifications

- BA/BS in a relevant field by the time of appointment.
- Proficiency in programming (e.g., Matlab, Python, C/C++, java) and shell scripting
- Proficiency with Linux OS and file system.
- Experience with any of the following: signal and image processing, machine learning, statistical/mathematical modeling.
- Excellent organizational and interpersonal communication skills are required.
- Strong background in biomedical engineering, computer science, applied mathematics, statistics, computational neuroscience, quantitative psychology, or related subjects.
- Experience in neuroimaging data analysis is desired.
- A two-year commitment is required.

To apply, send a CV, a cover letter stating your research interests and career goals, and contact information for three references to swarren@paloalto.edu. Review of applications will begin immediately.