

## Research Assistant I Psychiatry - (3275453)

### GENERAL SUMMARY/ OVERVIEW STATEMENT:

The Psychiatry Neuroimaging Laboratory is looking to hire a qualified candidate for the position of Research Assistant. The laboratory is part of the Department of Psychiatry at Brigham and Women's Hospital. The main mission of this laboratory is to understand brain abnormalities and their role in psychiatric disorders by using state-of-the-art neuroimaging techniques. If you would like to read more about the laboratory, please visit our website at <http://pnl.bwh.harvard.edu>

### PRINCIPAL DUTIES AND RESPONSIBILITIES:

*Please note, the functions below are representative of major duties that are typically associated with these positions. Specific responsibilities may vary based upon departmental needs. Similarly, not all duties that have been outlined will be assigned to each position.*

- Work closely with others in a collaborative research environment that includes other Research Assistants, physicians, computer scientists, psychologists, neuroscientists, and other Principal Investigators on ongoing research studies involving investigating brain abnormalities in schizophrenia, clinical high risk for psychosis, traumatic brain injury, and other populations.
- Assist in managing and coordinating research studies by entering data, assisting on data analysis, and being involved in clinical laboratory work such as being present at MRI scans when subjects are scanned.
- Learn to use image processing tools for the pre-processing and analysis of structural, functional, and diffusion Magnetic Resonance Images (MRI).
- Learn to use statistical programs such as SPSS and R to manage participant data and run elementary statistical tests.
- Learn to troubleshoot and modify image processing pipelines.
- Collect, describe, and help analyze library research materials. Help to prepare and proof-read scientific manuscripts and grant applications.
- Adhere to established MGB and department policies, procedures, and objectives, and exemplify professionalism and exhibit values that contribute to the goals of the lab and the hospital.
- Perform other related research duties as directed or required.

**SKILLS/ABILITIES/COMPETENCIES REQUIRED:**

- Psychology, neuroscience, computer science, engineering, and premed majors are encouraged to apply, but all are welcome.
- Prior research or clinical experience is recommended.
- Computer programming experience, including experience with Linux/UNIX systems, python/bash scripting, and/or scientific computing software (e.g. MATLAB, Python, R) is preferred but not required.
- Applications are being accepted for the position; hiring will take place as soon as possible or by the end of the spring semester. Applicants are expected to give a two-year commitment for the position. This position will provide invaluable experience for those interested in pursuing graduate study in the fields of psychology, medicine, engineering, neuroscience, or computer science.
- We request a resume and cover letter outlining your reasons for applying and the strengths you would bring to the position. If interested, please apply online through this website, and upload a resume and cover letter (as PDFs) in one document.

**EDUCATION:**

- Qualified applicants must have a bachelor's degree, strong organizational skills, and the ability to work well with others on a research team.

**EXPERIENCE:**

- Psychology, neuroscience, computer science, engineering, and premed majors are encouraged to apply, but all are welcome.
- Prior research or clinical experience is recommended.
- Computer programming experience, including experience with Linux/UNIX systems, python/bash scripting, and/or scientific computing software (e.g. MATLAB, Python, R) is preferred but not required.
- If you have further questions, please contact:

Elana Kotler, Research Assistant, Email: [ekotler@mgh.harvard.edu](mailto:ekotler@mgh.harvard.edu)

**EEO Statement**

BWH is an Affirmative Action Employer. By embracing diverse skills, perspectives and ideas, we choose to lead. All qualified applicants will receive consideration for employment without regard to race, color, religious creed, national origin, sex, age, gender identity, disability, sexual orientation, military service, genetic information, and/or other status protected under law. We will ensure that all individuals with a disability are

provided a reasonable accommodation to participate in the job application or interview process, to perform essential job functions, and to receive other benefits and privileges of employment.

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