M | CAREERS
UNIVERSITY OF MICHIGAN

NEUROIMAGING ANALYSIS SPECIALIST

How to Apply

A cover letter is required for consideration for this position and should be attached as the first page of your resume. The cover letter should address your specific interest in the position and outline skills and experience that directly relate to this position.

Job Summary

The Functional MRI Laboratory is an interdisciplinary research unit founded in 2001 and organized under the University of Michigan Office of Research. We are dedicated to supporting research on the structures and functions of the brain that underlie cognitive and affective processes, and research on functional MRI and associated research tools. The Laboratory's mission is to maintain an environment that will enhance the excellence of research using fMRI and associated technologies by providing a well-equipped physical facility and appropriate intellectual support services for investigators. Additional information about the Functional MRI Laboratory is available at: fmri.research.umich.edu/.

The Functional MRI Laboratory provides scanning services to University faculty and students performing research funded by federal and non-federal grants, pilot awards, and discretionary funds. We have two scanners in our facility, and we are currently seeking to add another scientist to our team with expertise in data processing and analysis. This person should be an expert in univariate and multivariate analysis methods of imaging data. This position reports to the Functional MRI Laboratory Co-Directors, and is functionally supervised by the Technical Director.

Responsibilities*

The primary role of this position will be to work with individual investigators who use the fMRI facility to process and analyze their data. These investigators have varying levels of expertise with analysis protocols, so the successful candidate will be working most often with relatively novice users of fMRI to develop design and analysis protocols, and sometimes with more experienced investigators to conduct advanced analyses. Examples of the responsibilities of the successful candidate include:

* Helping to create effective data acquisition designs as well as data processing and analysis protocols once the data are collected* Working with investigators to tailor their analyses to the research questions under investigation* Participating with other Lab members to train investigators in analysis methods tailored to their research programs* Participating with other Lab members in offering the annual fMRI training course* Joining forces with staff members from the Center for Statistical Consulting and Research to offer workshops on issues concerning MRI and fMRI data analysis* Developing new analysis tools that are tailored to ongoing research protocols* Working with members of the Lab and the fMRI Methods Core to coordinate data analysis protocols across campus* Organize and/or provide training sessions to the user community on Freesurfer, FSL, and other analysis software, as needed

Required Qualifications*

Qualified applicants MUST have the following skills, experience and credentials:

* Two or more years of programming experience (specifically, shell scripting, Matlab and Python)* History of application development and implementation * Able to work independently with minimal direction or supervision* Experience working with brain imaging data - specifically MRI and/or Functional MRI* Experience with working in the Linux environment* Experience with Matlab and/or Python* Experience with statistical analysis (univariate, multivariate, Bayesian)* Excellent verbal and written communication skills* Eager to solve problems and able to diagnose problems with little information* Able to work effectively in a team with our research faculty* Self-starter / self-motivated* Creative* Flexible and adapts to change

Desired Qualifications*

* Master's or Ph.D. strongly preferred in computer science, biostatistics with neuroimaging emphasis, or related field   * Experience working in a research or academic setting* Experience reading and synthesizing journal articles* Experience creating training documents abut analysis and software* Experience using Freesurfer, FSL, SPM, or other brain data analysis programs

Background Screening

The University of Michigan conducts background checks on all job candidates upon acceptance of a contingent offer and may use a third party administrator to conduct background checks. Background checks will be performed in compliance with the Fair Credit Reporting Act.

Mission Statement

The mission of the University of Michigan is to serve the people of Michigan and the world through preeminence in creating, communicating, preserving and applying knowledge, art, and academic values, and in developing leaders and citizens who will challenge the present and enrich the future. The University of Michigan is committed to foster learning, creativity and productivity, and to support the vigorous exchange of ideas and information, not only in the classroom but in the workplace by:

- Creating a work environment in which people treat each other with respect and dignity, regardless of roles, responsibilities or differences.

- Providing support, direction and resources enabling us to accomplish the responsibilities of our jobs and to reach the goals that are set for professional and personal growth.

U-M EEO/AA Statement

The University of Michigan is an equal opportunity/affirmative action employer.

Job Detail

JOB OPENING ID
147138

WORKING TITLE
Neuroimaging Analysis
Specialist

JOB TITLE
Research Lab Specialist
Senior

WORK LOCATION
Ann Arbor Campus
Ann Arbor, MI

FULL/PART TIME
Full-Time

REGULAR/TEMPORARY
Regular

FLSA STATUS
Exempt

ORGANIZATIONAL GROUP
Vice Pres Research

DEPARTMENT
Magnetic Resonance
Imaging Fac

POSTING BEGIN/END DATE
9/06/2017 – 9/24/2017

SALARY
$55,000.00 – $65,000.00

CAREER INTEREST
Research