

PhD Student
Wichita State University

Direct Link: <https://www.AcademicKeys.com/r?job=257070>

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Posted May 19, 2025, set to expire Sep. 18, 2025

Job Title	PhD Student
Department	Biomedical Engineering https://www.wichita.edu/academics/engineering/biomedical/research/neuroimaging-lab/index.php
Institution	Wichita State University Wichita, Kansas
Date Posted	May 19, 2025
Application Deadline	Open Until Filled
Position Start Date	Available Immediately
Job Categories	Graduate Student
Academic Field(s)	Optics & Optical Engineering Mechanical Engineering Electrical and/or Electronics Bioengineering (all Bio-related fields) Engineering - Other
Apply By Email	
Job Description	

The Neuroimaging Lab, led by Dr. Yuanyuan Gao at Wichita State University, USA, is pleased to

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announce an opening call for one funded PhD position in neuroimaging. The position focuses on functional near-infrared spectroscopy (fNIRS) research. If you are interested, please email your CV/resume and transcripts to: yuan.gao@wichita.edu. Qualified PhD candidates will be invited to give an online presentation on their previous research. For qualified PhD candidates, stipends and tuition will be provided. Continuation of financial support is contingent upon satisfactory academic/research performance and availability of funds.

Minimum Qualifications

Candidates must possess, at the beginning of their PhD study, at minimum an undergraduate degree or an equivalent degree in a technical/analytic area including, but not limited to, biomedical engineering, electrical engineering, optical engineering, mechanical engineering, instrumental engineering, computer science, physics, mathematics, or engineering related majors.

Minimum Knowledge, Skills, and Abilities

- Academic integrity (financial support and access to research would be stopped immediately if your academic integrity is found to be questionable)
- Interests in engineering, instrumentation, physics, computing and mathematics
- Basic coding skills in Matlab, Python and R
- Excellent interpersonal skills
- Analytic, reasoning and problem-solving skills
- Self-motivated

Preferred Knowledge, Skills, and Abilities

- Hands-on experience with optical system hardware and setups is highly desirable.
- Hands-on experience with electrical hardware design and setups is highly desirable.
- 4-year comprehensive Computer Science bachelor's education experience is desirable, but the lab is not doing any AI/machine learning/deep learning related projects currently or in the near future. Our current focus is fundamental research, so if your only related experience is applying existing AI models or slightly modifying AI models on neuro-image or neuro-signals, it would not be a good match.
- Advanced coding skills in Matlab, Python and R
- Knowledge of Neuroscience
- Experience with functional neuroimaging, such as EEG, fMRI, fNIRS
- Experience with human subject studies
- Experience with high impact peer-review paper and grant writing

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- For non-native English speakers, English skills are preferable with a minimum score of 23 on the Speaking portion of the TOEFL or a minimum score of 50 on the SPEAK or a minimum score of 7.0 on the Speaking portion of the IELTS. Scores must be less than two years old.
- a GPA of 3.50 or higher.

EEO/AA Policy

Commitment to EEO. Wichita State University ("WSU") is committed to equal employment opportunity and it remains our policy to provide equal employment opportunity to all persons consistent with employment qualifications and applicable laws regarding discrimination because of race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, veteran or other protected status. WSU will recruit, hire, train, and promote persons in all job titles, and ensure that all other personnel actions are administered without regard to such protected categories.

WSU recognizes that the effective application of a policy of merit employment involves more than just a policy statement and will make known that equal opportunities are available within WSU on the basis of individual merit. WSU will solicit and encourage all persons to seek opportunities within WSU and to pursue advancement possibilities.

Audit and Reporting Systems. WSU has implemented an audit and reporting system to measure the effectiveness of WSU's AAP for protected veterans (VEVRAA) and individuals with disabilities (Section 503), to identify and address the need for remedial action if necessary, and to determine the degree to which WSU's overall objectives have been attained.

Support and Responsibility for Implementation. The VEVRAA and Section 503 AAPs have full support of Dr. Richard Muma, President of WSU, as well as the entire WSU management team. Dr. Courtney McHenry, EEO Coordinator, is responsible for administering all aspects of the company's EEO policy and the VEVRAA and Section 503 AAPs.

Questions and Access to AAP. Should you have any questions regarding equal employment opportunity, please contact Dr. Courtney McHenry, EEO Coordinator, at courtney.mchenry@wichita.edu to make arrangements to review our EEO Policy and/or the VEVRAA and Section 503 AAPs during regular work hours, Monday through Friday.

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Prohibition Against Retaliation. Employees and applicants shall not be subjected to harassment, intimidation, threats, coercion, or discrimination because they have engaged in or may engage in any of the following activities: (1) Filing a complaint; (2) Assisting or participating in an investigation, compliance evaluation, hearing, or any other activity related to the administration of the affirmative action provisions of VEVRAA, Section 503, or any other Federal, state or local law requiring equal opportunity for individuals with disabilities and/or protected veterans; (3) Opposing any act or practice made unlawful by section 503 or its implementing regulations in this part, VEVRAA or its implementing regulations in this part, or any other Federal, state or local law requiring equal opportunity for individuals with disabilities and/or protected veterans; or (4) Exercising any other right protected by section 503 or its implementing regulations in this part, VEVRAA or its implementing regulations in this part, or any other Federal, state or local equal employment opportunity law.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Yuanyuan Gao
Wichita State University
1845 Fairmount St
Wichita, KS 67212

Phone Number +1-316-978-7582

Contact E-mail yuanyuan.gao@wichita.edu