

Postdoctoral Research Fellow Worcester Polytechnic Institute

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Posted Feb. 21, 2020, removed Jun. 22, 2020

Job Title	Postdoctoral Research Fellow
Department	
Institution	Worcester Polytechnic Institute Worcester, Massachusetts
Date Posted	Feb. 21, 2020
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Computer/Information Sciences Biomedical Sciences Biology - Neuroscience/Neurobiology
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Job Description

JOB TITLE

Postdoctoral Research Fellow

LOCATION

Worcester

DEPARTMENT NAME

Biomedical Engineering

DIVISION NAME

Worcester Polytechnic Institute - WPI

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JOB DESCRIPTION SUMMARY

The Brain, Behavior & Computation Lab at Worcester Polytechnic Institute - supported by the Department of Biomedical Engineering, and part of Neuroscience Program and PracticePoint Center for Cyber-Physical Systems - is looking for a postdoctoral fellow to work on quantitative behavioral and computational modeling research toward uncovering the sources of variability in human movement. Our lab has a particular, but not exclusive, emphasis on neural control of speech production.

JOB DESCRIPTION

Requirements: Ph.D. in biomedical engineering, computer science, neuroscience, psychology, linguistics, communication sciences, or related field will be considered. Strong written and verbal communication skills are highly desired. Previous research experience with collecting, analyzing and modeling human movement data is highly preferred. Additional experience with signal processing, machine learning, and/or dynamical systems modeling would be beneficial. Substantial knowledge of human speech and language is highly regarded.

Summary of job duties: The successful candidate will be expected to take a leading role in at least one active area of research for the lab. These areas include: (a) development and validation of behavioral biomarkers of neurological health, (b) mechanistic and computational modeling of human motor systems, (c) design and execution of novel behavioral experiments for uncovering perception, action and cognition mechanisms, and (d) analysis of novel human movement data from various acquisition modalities. It is expected that the applicant will be able to assist in the writing of manuscripts and grant applications, make positive scholarly contributions to our research lab, and also productively interact with our collaborators at University of Southern California, MIT Lincoln Lab, University of Wisconsin-Madison, Massachusetts General Hospital, and others. Additional opportunities exist to participate in new and ongoing research in the broader Biomedical Engineering and Computer Science Departments, as well as the Neuroscience Program, and throughout WPI.

The initial appointment for this position will be for two years, with potential extensions for additional years. Interested candidates should send a one-page cover letter describing their qualifications, interest, and career goals, a CV, and a list of 3 references.

FLSA STATUS

United States of America (Exempt)

WPI is an Equal Opportunity Employer. All qualified candidates will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, national origin, veteran status, or disability. We are seeking individuals with diverse backgrounds and

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experiences who will contribute to a culture of creativity and collaboration, inclusion, problem solving and change making.

To apply, visit: [url=https://apptrkr.com/1834915]https://wpi.wd5.myworkdayjobs.com/en-US/WPI_External_Career_Site/job/Worcester/Postdoctoral-Research-Fellow_R0000876

About WPI

WPI is a vibrant, active, and diverse community of extraordinary students, world-renowned faculty, and state of the art research facilities. At WPI, we have competitive and comprehensive benefits, including health insurance, long-term care, retirement, tuition assistance, flexible spending accounts, work-life balance and much more.

Diversity & Inclusion at WPI

WPI is committed to creating an inclusive workplace where everyone feels valued and respected; a place where every student, faculty and staff member can be themselves, so that they can study, live, and work comfortably, to reach their full potential, and make meaningful contributions in order to meet departmental and institutional goals. WPI thrives on innovative practice and welcomes diverse perspectives, insight, and people from diverse lived experiences, to enhance the community environment and propel the institution to the next level in a competitive, global marketplace.

Contact Information

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

Contact

Worcester Polytechnic Institute

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