COMPUTATIONAL RESEARCH SCIENTIST, FACULTY POSITION

DEPARTMENT OF NEUROLOGY, MEDICAL COLLEGE OF WISCONSIN- MILWAUKEE, WISCONSIN: EMPLOYMENT OPPORTUNITY

The Department of Neurology and the Cognitive Neuroscience Research Program at the Medical College of Wisconsin (MCW) are seeking a Computational Research Scientist for a faculty position at the Assistant to Associate level. This individual will work with researchers using multi-dimensional time series arrays collected with fMRI, MEG, EEG, and other brain imaging techniques, and apply image processing, general linear statistical, and modeling procedures for functional brain mapping and other neuroscience applications. The candidate will join an active NIH-funded team of clinicians and scientists investigating cognitive brain systems in healthy people and patients with epilepsy, stroke, brain trauma, Parkinson’s disease, dementia, and other neurological disorders.

The Medical College of Wisconsin is a leader in fMRI and MEG brain imaging, with an active Center for Imaging Research (CIR), Neuroscience Research Center (NRC), and Department of Biomedical Engineering. Close collaborations with scientists at Marquette University, the University of Wisconsin and other area colleges make for a rich local academic environment. The Department of Neurology at MCW is the largest and most comprehensive neurology group in Wisconsin with a complement of 60 faculty conducting basic science research as well as clinical and translational studies.

Successful candidates should bring complex problem solving abilities, critical thinking, enthusiasm, and commitment to MCW’s academic missions.

Position Requirements

- PhD in computer science, statistics, biomedical engineering, neuroscience, or related scientific field
- Minimum required experience is 3 years
- Preferred experience in computational analysis of image and/or time series data
- Knowledge of basic and multivariable statistics, signal processing methods and computer programming
- Fluency with Python is required within 6 months of hire
- Fluency with Matlab and R, and prior experience with image processing strongly preferred

Your Work

MCW is a major academic medical center; the largest research institution in the Milwaukee metro area and second largest in Wisconsin. In fiscal year 2014-15, faculty received approximately $158 million in external support for research, teaching, training and related purposes. MCW is a distinguished leader and innovator in the education and development of the next generation of physicians and scientists, with a diverse array of graduate programs including neuroscience, biophysics, and biomedical engineering.
Your Life
Located along the beautiful Lake Michigan shoreline, Milwaukee, Wisconsin, is one of America’s great cities, combining a dynamic urban community and rich cultural heritage with access to beaches, parks, rivers, and other outdoor recreation. Milwaukee is the largest city in Wisconsin, with approximately 1.8 million people in the greater metropolitan area. Milwaukee is a popular venue for sailing and other watersports, ethnic dining, and cultural festivals; the city is recognized for its diverse neighborhoods, historic architecture, museums, downtown riverwalk, professional sports, vibrant music and theater scene, major symphony orchestra, and numerous gardens and parks.

Interested candidates should send CV to:

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