

JOB POSTING

Postdoctoral Associate

We are seeking a postdoctoral associate to contribute to a recently funded 3-year project examining the impact of phase-locked auditory stimulation during sleep on sleep physiology, memory consolidation, and cognition in older adults with and without amnesic mild cognitive impairment. The candidate will join an interdisciplinary team of scientists and clinicians with combined expertise in cognitive neuroscience, computational neuroscience, neurology, neurodegenerative diseases, and geriatrics.

The candidate will work closely with study investigators, particularly Drs. Laura Batterink & Lyle Muller, to develop analysis pipelines for all EEG sleep, cognitive and behavioral data, and to analyze and characterize sleep architecture, sleep spindles, and slow waves, addressing our major study hypotheses. The candidate will also analyze the interconnected relationships between all brain and behavioral measures. In addition to contributing to the project, the candidate will have the opportunity to investigate additional research questions within the fields of cognitive, computational and/or clinical neuroscience. The candidate will have access to state-of-the-art neuroscience facilities at Western, including fMRI, EEG suites and sleep labs, OPM-MEG, fNIRS, and TMS.

As part of their role in the project, the candidate will be involved in helping manage projects, interacting with collaborators, liaising with community and partner organizations, supervising and mentoring research assistants, leading and improving data collection and management activities, conducting analyses, writing/collaborating on academic journal articles, and preparing reports and presentations for funders and knowledge users, including non-academic audiences.

The salary for this position is \$65,000 per year, plus benefits. Information about benefits for postdoctoral associates at Western University is available at:

https://www.uwo.ca/hr/benefits/your_benefits/pda/index.html

The successful candidate will report to Dr. Laura Batterink, Department of Psychology. This appointment will begin September 1, 2024, with an expected appointment duration of 3 years.

Review of applications will begin June 15, 2024 and will continue until the position is filled.

Applicants must have a Ph.D. in cognitive neuroscience, psychology or a related field. The ideal applicant will have experience in one or more of the following: EEG and/or related neuroimaging methods, sleep, memory, and/or aging and cognition. The ideal applicant will also have excellent written and oral communication in English, an emerging publication record, and excellent personal time management, project management and organizational skills.

Applicants should submit curriculum vitae, a brief statement of research interests, a representative publication, and names and contact details (email and telephone) of two referees we may contact. Informal inquiries are welcome.

Please direct application and any inquiries to:

Dr. Laura Batterink
Department of Psychology
Western University
Email: lbatter@uwo.ca

For further details on Dr. Batterink's research, see www.batterinklab.com

For further details on Dr. Muller's research, see <https://mullerlab.ca/>

About Western

Western ranks as one of Canada's top research-intensive universities. From fundamental to applied discovery and other scholarly activities, its scholars advance knowledge that provides tangible benefits for the economic, social, health and cultural development of citizens in London, in Canada and around the world. Western Research supports scholars through collaboration, communication, and service. Western University and its affiliate colleges received more than \$267 million in research funding over the past year.

Western Values Diversity

The University invites applications from all qualified individuals. Western is committed to employment equity and diversity in the workplace and welcomes applications from women, members of racialized groups/visible minorities, Indigenous persons, persons with disabilities, persons of any sexual orientation, and persons of any gender identity or gender expression. Accommodations are available for applicants with disabilities throughout the recruitment process.