

Seeking Post-Doctoral Fellow for NIH-NIA Funded Exercise Clinical Trial

The Exercise for Brain Health (E4BH) Laboratory in the Department of Kinesiology at the University of Maryland, directed by [Dr. J. Carson Smith](#), is seeking a full-time post-doctoral fellow. The E4BH Lab is focused on understanding how exercise and physical activity affect human brain function and mental health. Our methods include functional and structural MRI as well as behavioral measures of cognitive and physical function with young and older adults. The focus of this position will be to support an NIH-funded clinical trial to determine the influence of exercise training on brain and cognitive function in older adults at increased risk for Alzheimer's Disease.

Post-doctoral fellow responsibilities may include recruiting and scheduling participants for research studies, data collection (MRI and computerized tasks, neuropsychological testing, exercise testing), data processing and analysis (using neuroimaging software such as FSL, SPM, AFNI and/or MATLAB), and general management of study operations. Key skills for this position include the ability to organize and manage time and multiple tasks, the ability to work independently, and effectively communicate and maintain working relationships with other team members and participants. Preference will be given to applicants with experience and proficiency utilizing neuroimaging software (i.e., SPM, AFNI, etc.), or those who have clinical expertise administering neuropsychological tests and behavioral tasks (e.g., E-prime, Presentation). Post-doctoral fellows will also assist with presentations for scientific conferences and manuscript/grant preparation.

Necessary qualifications include: 1) a PhD in Psychology, Neuroscience, Kinesiology, or related field; 2) research experience collecting, processing and/or analyzing human MRI data; and 3) excellent organizational, interpersonal and communication skills. Experience with neuropsychological testing and exercise testing are desirable but not required.

Salary will be competitive commensurate with experience and includes health benefits. Application review will begin immediately. This is a 1-year position with the possibility of renewal. The University of Maryland is an equal opportunity affirmative action employer with a commitment to racial, cultural, and gender diversity. Women and minorities are encouraged to apply.

To apply, please email your application to Dr. J. Carson Smith (carson@umd.edu) with the subject line: "E4BH Post-Doc Position". Application materials should include a cover letter detailing research interests, career goals, qualifications, and experience, a CV, transcript with relevant coursework (unofficial), and contact information for 2-3 references who can provide letters upon request.