



## **University of Michigan, Brain Behavior Laboratory: Doctoral Student Assistantship**

**Dr. Michael Vesia (Assistant Professor in the School of Kinesiology and the Director of the Brain Behavior Laboratory at the University of Michigan in Ann Arbor) is currently seeking a motivated Doctoral Student to work on research related to the neural control of movement in healthy participants and patient populations starting Fall of 2022!**

As one of the world's leading research institutions, the University of Michigan provides an exceptionally supportive environment for collaborative research. The Brain Behavior Laboratory (directed by Dr. Vesia) is an interdisciplinary group of students and scientists researching the complex links between brain function and behavior. Our lab is dedicated to understanding how to accelerate the development and application of new neuromodulatory methods for rehabilitation of neuromotor impairments. We use a number of different techniques, including brain stimulation (transcranial magnetic stimulation and high-definition transcranial direct current stimulation), functional and structural neuroimaging, and behavioral studies. The Brain Behavior lab offers training to investigate and improve movement in people with brain disorders, including Parkinson disease and stroke.

**Necessary Qualifications:** Master's and/or Bachelor's degree in neuroscience, psychology, kinesiology or related field; experience with brain stimulation techniques, MRI techniques including structural MRI, DTI, and / or functional MRI is desirable. The candidate must possess excellent verbal and written communication skills, be strongly motivated, have a strong academic record, and work well in a team setting. Experience with computer programming is a plus (MATLAB, LabView, and / or E-Prime).

We are looking for curious, engaged students who have a strong desire to solve problems and are enthusiastic about learning how to do scientific research. The selected student will be expected to work collaboratively with a research team to collect and analyze data, prepare manuscripts for publication, and participate at national and international level scientific meetings (Society for Neuroscience, Neural Control of Movement, Brain Stimulation conferences).

The selected student will begin the PhD program in **September 2022** and will be provided with **full funding for tuition, stipend and health care (student/family) as a Graduate Student Instructor**.

Dr. Vesia's research is funded by several sources, including the National Institute of Neurological Disorders and Stroke. For further information about Dr. Vesia and his ongoing research, please visit the [B2Lab website](#). Please send inquiries to Michael Vesia, PhD, [mvesia@umich.edu](mailto:mvesia@umich.edu)

Information about the Kinesiology Ph.D. program can be found at the [School of Kinesiology PhD Admissions](#) page. For further information about application requirements or how to apply, please contact Charlene Ruloff at [cruloff@umich.edu](mailto:cruloff@umich.edu)

Application deadline for Fall 2022 admission is **December 1**.