



# SCHOOL OF KINESIOLOGY

UNIVERSITY OF MICHIGAN

## \*Announcement of Doctoral Student Assistantship\*



Dr. Haylie L. Miller, Assistant Professor in the School of Kinesiology and Director of the [Motor & Visual Development Laboratory](#) at the University of Michigan in Ann Arbor, is currently seeking a doctoral student. The selected student will engage in research related to lifespan development of motor and visual skills in children and adults with and without autism and related neurodevelopmental conditions. The selected student will receive interdisciplinary training in the #1 ranked Kinesiology PhD program in the nation ([National Academy of Kinesiology](#)).

Dr. Miller studies the development of *visuomotor integration*—the use of visual information to guide motor behavior—across the lifespan in typical development, autism, and related populations. She has received over \$1.5 mil in support from the National Institutes of Health and the National Science Foundation. Projects in the Motor & Visual Development Lab are built on methodologies and theoretical frameworks from psychology, physical therapy, biomechanics, kinesiology, and computer science. Candidates with prior training in any of these fields are encouraged to apply, provided that they have a strong interest in studying visuomotor development.

- The selected student may be eligible to begin as early as **Fall 2021** on a 4-year assistantship that includes full tuition, a stipend, and health insurance for the student and their dependent(s).
- The selected student will have opportunities to work on a variety of projects related to: (a) identification and characterization of visuomotor biomarkers in autism using methods such as eye-tracking, motion-capture, posturography, and electromyography, (b) development of new tools to assess visuomotor skills using machine learning/computer vision and biomechanics methodology, (c) development of interventions to improve motor skills in autism, and (d) understanding systemic disparities in autism identification, assessment, and care for women/girls and people of color.
- Applicants should have a Master's and Bachelor's degree in Kinesiology, Exercise Science, Public Health, Psychology, Computer Science, Biomechanical Engineering, or a related field. Prior research experience, publications, and a high GPA from previous academic work are desirable.
- **Applicants who identify as a member of an underrepresented group are strongly encouraged to apply.** Dr. Miller has a strong commitment to developing scientists who have a broad range of abilities, identities, and experiences, and to including stakeholders in research.
- **Applicants will be considered on a rolling basis until the position is filled.** For best consideration, interested students should contact Dr. Miller immediately to indicate intent to apply.

**How to Apply:** Send an email to Dr. Miller ([MillerHL@umich.edu](mailto:MillerHL@umich.edu)) with the subject line "Ph.D. Position: MVD Lab". Attach a PDF packet that includes (1) a letter of interest, (2) a current curriculum vitae, (3) a writing sample, and (4) contact information for a minimum of three references.

Prior to hiring, the selected student must apply and gain admittance to the University of Michigan School of Kinesiology doctoral program. Please review program requirements before applying for this position (<http://www.kines.umich.edu/graduate-admissions>), and discuss any potential concerns with Dr. Miller.

For more information about doctoral program admissions, contact Charlene Ruloff ([cruloff@umich.edu](mailto:cruloff@umich.edu)).