

# Kennedy Krieger Institute

## How Does the Body Learn to Move? Exploring Motor Learning in Typical Development and After Brain Injury



**Dr. Nayo Hill, PT, DPT, PhD**, is a postdoctoral research fellow at Kennedy Krieger Center for Movement Studies and Department of Neuroscience at Johns Hopkins University. Dr. Hill's research investigates the development of motor learning mechanisms necessary for children to learn a novel task. She has developed interactive, web-based games that are completed on a home computer to explore children's ability to accurately learn the motor task when given a binary (success or fail) reward signal. [Click](#) to read presenter's bio.

**Date:** Thursday, June 15, 2023

**Time:** 9 a.m. to 12:15 p.m.

**Where:** Live Interactive Webinar

Registered participants will receive instructions on how to join the session.

**Objectives:** Participants will be able to:

1. Identify the brain structures involved in controlling movement
2. Describe different types of motor learning and how the brain adjusts when encountering novel environments
3. Discuss the implications of injury to the brain and strategies for acquisition of new motor skills.

*The brain is a complex organ orchestrating all of the processes required for sustaining life. Some of these processes are automatic while others, such as movement, are learned and refined through practice and experience. This session will provide an overview of the processes in the brain involved in motor control and motor learning. The learner will gain a broad perspective of the complex process of controlling movement and the implications of injury to the brain on motor behavior.*

**Instructional Level:** Intermediate

**Who Should Attend?** Psychologists, Social workers, Counselors, Educators, Parents and caregivers, Nurses, Clinical and medical staff, Direct support professionals and other community service providers, Speech/Physical/Occupational therapists, Community members, Students/trainees.

**To Register,** [Click](#) or Call 443-923-9555

### 3.0 Continuing Education Hours

Maryland Center for Developmental Disabilities at Kennedy Krieger Institute is authorized by the Board of Social Work Examiners in Maryland to sponsor social work continuing education programs, and maintains full responsibility for this program. Kennedy Krieger Institute is approved by the American Psychological Association to sponsor continuing education for psychologists. Kennedy Krieger Institute maintains responsibility for this program and its content. 3.0 Continuing Education Credits (Category 1) will be granted to social workers and licensed psychologists. A Certificate of Attendance will be made available for all other disciplines. No conflicts have been identified (this includes commercial support and research grants/funding). The registration fees include: \$55 registration fee will be charged for professionals, \$15 registration for parents/caregivers/individuals with disabilities, and \$10 for students/trainees workshop registrations.

For more information on our Summer Learning Series or to request accommodation or assistance for individuals with disabilities, please contact us by phone at 443-923-9555, email [Training.MCDD@KennedyKrieger.org](mailto:Training.MCDD@KennedyKrieger.org), or visit [MCDD.KennedyKrieger.org](http://MCDD.KennedyKrieger.org). Requests should be made as soon as possible but at least seven days prior to the scheduled meeting.



Maryland Center for Developmental Disabilities  
at Kennedy Krieger Institute  
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