The Georgetown-Howard Universities Center for Clinical & Translational Science
KL2 Visiting Scholars Seminar Series:

"Underlying Mechanisms of Handedness and Their Implications for Parkinson's Disease"
Dr. Brooke Dexheimer

Date: Thursday, March 26, 2026
Presentation: 12 Noon - 1 PM ET
Registration Link:
https://georgetown.zoom.us/webinar/register/WN_c3E1jpjpRKy0LGPXkJDTvg

KEYNOTE SPEAKER

Brooke Dexheimer, PhD, OTD, OTR/L

Dr. Dexheimer is an Assistant Professor and Occupational Therapist in the Virginia Commonwealth University (VCU) Department of Occupational Therapy. She directs the VCU NERDD Lab (Novel Environments for Reducing Disability & Dysfunction), investigating basic mechanisms of motor control and their translational implications for motor symptomatology in Parkinson's Disease.

ABSTRACT

Handedness is often attributed to a global motor control superiority for the dominant hand. However, evidence now suggests that the dominant and non-dominant hands are each specialized for different aspects of motor control, based on hemispheric specializations. This talk will discuss the evidence supporting this hypothesis and our work investigating lateralized mechanisms of motor control using non-invasive neuromodulation. Additionally, this talk will discuss our recent work translating these findings to characterize lateralized early-stage motor symptoms in Parkinson's Disease.

Questions:
Contact Cyndi.Campbell@georgetown.edu
or visit www.georgetownhowardctsa.org