Curriculum Vitae

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Name: Brian Johnson

Contact Information

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Present Position

2022 - present	Assistant Professor of Occupational Therapy and Neurology, Program in
	Occupational Therapy
	Washington University School of Medicine, St. Louis, MO

Education (list all degrees in forward chronological order)

Undergraduate 2011	BS; University of Wisconsin-Milwaukee, Milwaukee, WI	
Graduate		
2012	MS; University of Wisconsin-Milwaukee, Milwaukee, WI	
2019	PhD; University of Maryland School of Medicine, Baltimore, MD	
Post-Graduate Education and Training		
2010	Occupational Therapy Student Therapist (Level I Fieldwork) Inpatient Rehabilitation Department, West Allis Memorial Hospital, West Allis, WI <i>Focus</i> : post-surgical, neurology, orthopedics	
2010	Occupational Therapy Student Therapist (Level I Fieldwork) Milwaukee Center for Independence, Milwaukee, WI Focus: pediatrics, ergonomics, universal design, neurology, orthopedics	
2010	Occupational Therapy Student Therapist (Level I Fieldwork) Midwest Orthopedic Specialty Hospital, Franklin, WI <i>Focus</i> : orthopedics, acute care, neurology	
2012	Occupational Therapy Student Therapist (Level II Fieldwork) Outpatient Rehabilitation Department, The Rehabilitation Institute of Chicago (now Shirley Ryan AbilityLab), Chicago, IL	

	Focus: neurology
2012	Occupational Therapy Student Therapist (Level II Fieldwork) Inpatient Rehabilitation Department, University of Wisconsin Hospitals & Clinics, Madison, WI Focus: acute care, neurology, orthopedics
2019 - 2020	Postdoctoral Fellow, Department of Physical Therapy & Rehabilitation Science, University of Maryland School of Medicine, Baltimore, MD Mentors: Kelly P. Westlake, PT, PhD, & Leonardo G. Cohen, MD
2019 - Present	Postdoctoral Fellow, Human Cortical Physiology and Neurorehabilitation Section, The National Institutes of Health, Bethesda, MD Mentor: Leonardo G. Cohen, MD

Academic Positions / Employment:

2010	Student Caller University Call Center, University of Wisconsin-Milwaukee, Milwaukee, WI
2010 - 2012	Graduate Research Assistant and Teaching Assistant Department of Occupational Therapy, College of Health Sciences, University of Wisconsin-Milwaukee, Milwaukee, WI
2011 - 2012	Transcription Analyst Student Accessibility Center, University of Wisconsin-Milwaukee, Milwaukee, WI
2013 - 2019	Graduate Research Assistant and Teaching Assistant Department of Physical Therapy & Rehabilitation Science, University of Maryland School of Medicine, Baltimore, MD
2019 - 2020	Postdoctoral Fellow Department of Physical Therapy & Rehabilitation Science University of Maryland School of Medicine, Baltimore, MD
2019 – present	Postdoctoral Fellow Human Cortical Physiology and Neurorehabilitation Section, The National Institutes of Health, Bethesda, MD
2020 – present	Adjunct Instructor Department of Physical Therapy & Rehabilitation Science, University of Maryland School of Medicine, Baltimore, MD

Clinical Title and Responsibilities

2013 Lead Occupational Therapist North Platte Care Center (outpatient, sub-acute, assisted living, skilled nursing), North Platte, NE

2014 - 2015	Per Diem Occupational Therapist Saint Elizabeth Rehabilitation & Nursing (outpatient, sub-acute, assisted living, skilled nursing), Baltimore, MD
2015 - 2019	Per Diem Occupational Therapist The International Center for Spinal Cord Injury (inpatient, outpatient), The Kennedy Krieger Institute & John Hopkins Medical Institute, Baltimore, MD
Fall 2021 - Present	Occupational Therapist United States Army Reserve (1 weekend/month, 2 weeks/year), Madison, WI

Teaching Title and Responsibilities

University of Wisconsin-Milwaukee, Graduate School, Department of Occupational Science & Technology: Entry-Level Occupational Therapy Master's Degree Program

2011	Teaching Assistant, Occupational Therapy
	Evidence for Practice II (OT 542)
	45 OT 2^{nd} year students – 20 contact hours

Community College of Baltimore County, School of Health Professions, Sleep Technology Program: Entry-Level Sleep technologist Associates Degree Program

2014 - 2017	Guest Instructor, Sleep Physiology
	Polysomnographic Technology (35333)
	12 sleep technology students – 2 contact hours/yr

University of Maryland, School of Medicine, Department of Physical Therapy & Rehabilitation Science: Entry-Level Doctor of Physical Therapy Program

2014 - 2019	Guest Instructor and Lab Assistant, Physical Therapy Basic Sciences II (DPTE 513)
	60 PT 1 st year students, 8 contact hours/yr
	Guest Instructor and Lab Assistant, Physical Therapy Neuromuscular I (DPTE 524)
	60 PT 1 st year students, 9 contact hours/yr
2015 - 2019	Guest Instructor and Lab Assistant, Physical Therapy
	Basic Sciences III (DPTE 514)
	60 PT 1 st year students, 5 contact hours/yr
	Guest Instructor and Lab Assistant, Physical Therapy
	Neuromuscular II (DPTE 527)
	60 PT 2 nd year students, 17.5 contact hours/yr
2016 - 2019	Guest Instructor and Clinical Instructor, Physical Therapy Musculoskeletal II (DPTE 525)

	60 PT 2 nd year students, 6 contact hours/yr
2020 - 2022	Adjunct Instructor, Physical Therapy Basic Sciences III (DPTE 514) 70 PT 1 st year students, 8 contact hours/yr

University of Maryland, School of Medicine, Department of Physical Therapy & Rehabilitation Science: PhD Program in Physical Rehabilitation Science

2020 - 2022	Adjunct Instructor, Physical Therapy Foundations of Rehabilitation Science (PTRS 688) 5 physical rehabilitation science PhD students, 3 contact hours/yr
2021 - 2022	Adjunct Instructor, Physical Therapy Foundations of Rehabilitation Science II (PTRS 689) 5 physical rehabilitation science PhD students, 3 contact hours/yr

Medical Licensure and Certification

2009 - present	Cardiopulmonary Resuscitation Certification
2012 - 2014	Occupational Therapy, State of Wisconsin
2012 - 2015	National Board Certification in Occupational Therapy
2013 - 2015	Occupational Therapy, State of Nebraska
2013 - present	Physical Agent Modalities Certification
2014 - present	Occupational Therapy, State of Maryland License no: 07440

Military Service

• Occupational Therapist in the United States Army Reserve, Madison, WI

Honors and Awards

2009 - 2012	Dean's Honors List, College of Health Sciences, University of Wisconsin- Milwaukee
2010 - 2011	Maternal Child Health Pipeline Award & Scholarship
2011	B.Sc Honors Graduate, College of Health Sciences, University of Wisconsin- Milwaukee
2012	M.Sc Honors Graduate, College of Health Sciences, University of Wisconsin- Milwaukee

2012	University of Wisconsin-Milwaukee Outstanding Research Thesis Award
2015	Qualtrics Behavioral Research Student Grant
2015	Claude D. Pepper Older Americans Independence Centers (OAIC) Outstanding Poster Award
2016	American Physical Therapy Association (APTA) of MD Annual Conference 2 nd Place Poster
2016	Educators in Training (EDiT) Program Certificate, University of Maryland
2016	University of Maryland, Baltimore Student Entrepreneurship Pitch Day Winner
2017	University of Maryland, Baltimore 3-Minute Thesis Presentation Winner
2017	The American College of Sports Medicine Foundation Doctoral Student Research Grant
2017	2017 Fletcher H. McDowell Award for best clinical science abstract at The American Society for Neurorehabilitation
2018	Progress in Clinical Motor Control Training Fellowship, The National Science Foundation
2018	Outstanding Research Presentation Award, The 40 th Annual Graduate Research Conference at The University of Maryland
2019	Graduate Student Association Research Travel Award, The University of Maryland, Baltimore
2019	GGEAR Award for best geriatric poster, The 41st Annual Graduate Research Conference at The University of Maryland

Editorial Responsibilities

Invited Journal Peer Review

2015 - 2021	American Journal of Occupational Therapy (1x/yr)
2016	Journal of Rehabilitation Research & Development (1x)
2016, 2018, 2020	The Occupational Therapy Journal of Research: Occupation, Participation, and Health $(1x/yr)$
2016 - 2021	Neuroscience Letters (2x/yr)
2016 - 2021	American Journal of Physical Medicine & Rehabilitation (2x/yr)
2017	RATE Journal (1x)

2017 - 2021	Rehabilitation Psychology (1x/yr)
2018 - 2021	Archives of Physical Medicine and Rehabilitation $(1x/yr)$
2020	Games for Health Journal (1x)
2020	Nature Communications (1x)
2020	<i>Current Biology</i> (1x)
2020 - 2021	Journal of Neurologic Physical Therapy (2x/yr)
2020 - 2021	Neurorehabilitation and Neural Repair (1x/yr)
2020 - 2021	Disability and Rehabilitation (1x/yr)
2021	Frontiers in Rehabilitation science (2x,yr)
2021	Journal of Occupational Science (1x)
2021	Brain Research (1x)
2021	Brain (1x)
2021	The Open Ophthalmology Journal (1x)
2022	Sleep Health (1x)

Scholarship Review

2016, 2017	American Occupational Therapy Association, Elizabeth K. Wise Scholarship
2018	Outstanding Mentor Award, University of Maryland, Baltimore
2015 - 2019	Graduate Program in Life Sciences & Office of Postdoctoral Studies, University of Maryland, Baltimore

Abstract Review

Invited Textbook Review

2016 Thieme Medical Publishers, Inc.

Federal Policy Advocacy

2016 - 2020	American Occupational Therapy Association and American Society of Hand Therapists Hill Day	
2017 - 2018	John Hopkins on the Hill Day	

2017 - 2021	ADAPT Disability Rights Advocacy Group; Member
2018	American College of Sports Medicine Capitol Hill Day
2018	The National Council for Behavioral Health; Wisconsin State Captain
2019	American Physical Therapy Capitol Hill Day

National Panels, Committees, Boards

2017 - 2019	Education Committee, American Society for Neurorehabilitation
2017	Item Development Committee Member, National Board Certification in Occupational Therapy
2018	Volunteer, American Occupational Therapy Association Virtual Career Fair
2018 - 2019	Conference Planning Committee Member, North American Society for the Psychology of Sport and Physical Activity
2021	Review Editor, Frontiers in Rehabilitation Science
2021	Invited Special Issue Editor, Frontiers in Rehabilitation Science

Community Service Contributions

University committees and activities

2009 – 2011	Student Representative, UW-Milwaukee, Department of Occupational Science & Technology
2015 - 2019	Reviewing Member, Graduate Program in Life Sciences and Office of Post- Doctoral Studies Awards Committee, University of Maryland, Baltimore
2015 - 2019	Department Representative, Student Advisory Council, University of Maryland, Baltimore
2017 - 2019	Department Representative, University of Maryland, Baltimore Graduate Student Association
2018 - 2019	Career Advisory Group, University of Maryland, Baltimore

Professional Societies and Organizations

2009 - present	American Occupational Therapy Association
2010 - 2021	Pi Theta Epsilon, Occupational Therapy Honor Society

2012 - 2014	Wisconsin Occupational Therapy Association	
2014 - 2020	The American Society for Neurorehabilitation	
2014 - present	The Society for Neuroscience	
2014 - 2016	American Physical Therapy Association	
2015 - 2017	The American Heart Association	
2016 - 2019	The American College of Sports Medicine	
2016 - 2017	The University of Maryland, Baltimore Educators in Training Program	
2016 – 2019	Brain Science Research Consortium Unit at the University of Maryland School of Medicine	
2016 - 2017	The University of Maryland Entrepreneurship & Innovation Network	
2016 - 2020	National Center of Neuromodulation for Rehabilitation	
2017	Bridges in Biotech Program, Johns Hopkins University/University of Maryland/National Institutes of Health	
2017 - 2018	The Canadian Partnership for Stroke Recovery	
2017 - 2018	The Heart and Stroke Foundation Canadian Partnership for Stroke Recovery	
2018 - present	Society for the Neural Control of Movement	
Asian Invited Drofessanshing and Lastureshing		

Major Invited Professorships and Lectureships

Mar 2016	Improving motor learning through sleep-dependent memory reactivation The National Institutes of Health, Bethesda, MD
June 2017	What might stroke rehabilitation look like in the future? John Hopkins University, Baltimore, MD
Oct 2017	Investigating the use of acoustic neuromodulation during sleep on sensorimotor performance The Medical College of Wisconsin Brain Injury Research Conference, Milwaukee, WI
Jan 2019	Use of targeted memory reactivation during sleep to enhance non-dominant upper extremity sensorimotor performance The National Institutes of Health, Bethsda, MD
May 2020	Modulation of Sensorimotor Skill Consolidation in Individuals with and Without a History of Stroke The University of Maryland's Physical Therapy & Rehabilitation Science Annual Research Day, Webinar

Nov 2020	Manipulation of Memory Consolidation	
	The Indian Institute of Technology at Gandhinagar, Webinar	

Grant Support

2015 - 2019	Qualtrics Behavioral Research Student Grant \$2,000 awarded.
2017 - 2019	The American College of Sports Medicine Foundation Doctoral Student Research Grant \$5,000 awarded.

Trainee/Mentee/Sponsorship Record

Undergraduate Students

2013	Rachel Neff, <i>Cognitive input to impaired balance</i> University of Maryland, College Park, Summer Research Project
2021	Aanika Singh, Complex motor skill learning through reconsolidation University of Virginia, Summer Research Project

Doctor of Physical Therapy Students

Fall 2019 – Spring 2021	Christopher Heydrick, Interaction between upper and lower extremity motor learning University of Maryland, Baltimore, Volunteer Research Assistant
Fall 2020 – Spring 2021	Shannon Cooley, Emily Cockey, Yamileth Nolasco, Sydney Rogers, Mariah Torbit, & Matthew Wolfe, <i>Complex motor skill learning through reconsolidation</i> University of Maryland, Baltimore, Doctor of Physical Therapy Research Experience

PhD Students

Summer 2021 –	Kylie Tomlin (co-advisor)
present	

Bibliography

Original, peer reviewed articles in refereed journals

- 1. Westlake K & Johnson B (2016). Commentary on "Facilitation of the Lesioned Motor Cortex during Tonic Contraction of the Unaffected Limb Corresponds to Motor Status Following Stroke". *J of Neurol Phys Ther.*, 40(1), 22-23. doi: 10.1097/NPT.00000000000118.
- Westlake K., Johnson B, Creath R, Neff R, & Rogers M. (2016). Influence of non-spatial working memory load on reach-grasp responses to loss of balance: Effects of age and fall risk. *Gait & Posture*, 45, 51-55. doi: 10.1016/j.gaitpost.2016.01.007.

- 3. Johnson B, Johnston M (2017). Determining the feasibility, content validity, and internal consistency of a newly developed care coordination scale for people with brain injury. *OJOT*. *5(3)*. doi.org/10.15453/2168-6408.1331.
- Johnson B, Westlake K (2017). Link between Parkinson's disease and rapid eye movement sleep behavior disorder with dream enactment: Possible implications for early rehabilitation. *Arch Phys Med Rehabil.* 99(2), 411-415. doi: 10.1016/j.apmr.2017.08.468.
- Johnson B, Scharf S. M., Westlake K. (2018). Targeted memory reactivation during sleep, but not wake, improves sensorimotor skill performance in healthy young adults: A pilot study. J MOTOR BEHAV. 50(2), 202-209. doi: 10.1080/00222895.2017.1327411.
- 6. Johnson B, Verceles A, Scharf S, Westlake K (2019). Use of targeted memory reactivation enhances skill performance during a nap and enhances declarative memory during wake in healthy young adults. *Journal of Sleep Research*. doi: 10.111/jsr.12832.
- 7. Johnson B, Shipper A, Westlake K (2019). Systematic review of non-pharmacological interventions applied during sleep to enhance rehabilitation outcomes in people with neurologic diagnoses. *Neurorehabil Neural Repair*. 33(5), 345-354. doi: 10.1177/1545968319840288.
- Johnson B, Westlake K (2020). Chronic post-stroke deficits in ipsilesional upper extremity gross and fine motor control. *American Journal of Physical Medicine & Rehabilitation*. doi: 10.1097/PHM.00000000001569.
- 9. Johnson B, Verceles A, Scharf S, Westlake K (2020). Sensorimotor performance is improved by targeted memory reactivation during a daytime nap in healthy older adults. *Neuroscience Letters*. doi: 10.1016/j.neulet.2020.134973.
- 10. Johnson B, Cohen LG, Westlake K (2021). The intersection of offline learning and rehabilitation. *Frontiers in Human Neuroscience*. doi: 10.3389/fnhum.2021.667574.
- 11. Johnson B, Censor N, Dayan E, Cohen LG (2021). Crowdsourcing in cognitive and systems neuroscience. *The Neuroscientist*. doi: 10.1177/10738584211017018.
- 12. Johnson B, Verceles A, Scharf S, Westlake K (2021). Enhancing motor learning in people with stroke via memory reactivation during sleep. *Rehabilitation Psychology*.
- 13. Johnson B, Whitall J, McCombe Waller S, Westlake K (2022). Development and psychometric testing of a bimanual assessment measure for people with chronic stroke. *AJOT*.
- 14. **Johnson B**, Censor N, Tomlin K, Cohen LG, Westlake K (In Review). Enhancing inter-limb transfer via long-term motor memory reconsolidation.

Books

 Johnson B, Cohen LG. (In Press). Movement. Contribution in: Haaland, K, Brown G, Crosson B, King T. *APA Handbook of Neuropsychology, Volume 2*. American Psychological Association 2. Johnson B, Cohen LG. (2022). Reward and Plasticity: Implications on Neurorehabilitation. Contribution in: Quartarone A, Ghilardi M, Boller F. *Handbook of Clinical Neurology 3rd Series*. Elsevier Publisher Inc.

Abstracts

- 1. Johnson B, Creath R, Neff R, & Westlake K (2014). Variability in grasp response and the relationship with response time to balance perturbations: Effects of age and fall risk, *Neuroscience 2014 Abstracts.*
- 2. Johnson B, Scharf M., & Westlake K. (2016). T8: Targeted Memory Reactivation to Improve Motor Learning. *Neurorehabil Neural Repair*, 30(2):1-44.
- Johnson B, McCombe Waller S, Whitall J, & Westlake K. (2016). Bimanual Assessment Measure (BAM): Development of a Measure of Bimanual Function for Use After Stroke. *AJOT*, 69(Suppl. 1), 6911500004p1.
- 4. **Johnson** B & Westlake K. (2017). Targeted memory reactivation during a daytime nap to improve sensorimotor skill performance. *Psychology of Sport and Exercise*.
- 5. Johnson B & Johnston M. (2017). Health self-management and care coordination by people with disabilities and chronic health conditions, *AJOT*.
- 6. **Johnson B**, Scharf S, Verceles A, & Westlake K (2018). The effects of targeted memory reactivation during a daytime nap on sensorimotor skill performance in healthy young adults. *SLEEP*.
- 7. Johnson B & Westlake K. (2018). Is targeted memory reactivation throughout a daytime nap sufficient to enhance sensorimotor skill performance? *Neurorehabil Neural Repair*.
- 8. Johnson B & Westlake K. (2018). Impact of error magnitude on sensorimotor skill performance changes before and after consolidation. *Neuroscience 2017 Abstracts*.
- 9. Johnson B, Westlake K (2018). Acoustic stimulation during a daytime nap to enhance sensorimotor skill performance in older adults with and without a history of stroke. *Neurorehabil Neural Repair*.
- 10. **Johnson B**, McCombe Waller S, Whitall J, & Westlake K (2019). Development and psychometric testing of a measure of bimanual function following stroke: Bimanual assessment measure (BAM). *Psychology of Sport and Exercise*.
- 11. Johnson B, Heydrick C, Whitall J, & Westlake K (2020). Investigating interference between learning two different motor sequences with the upper and lower extremities. *Psychology of Sport and Exercise*.
- 12. Johnson, B, Iturrate I, Fakhreddine R, Bönstrup M, Buch E, Robertson E, & Cohen LG (Accepted). Rapid generalization during early motor skill learning. *Neuroscience 2021 Abstracts*.

Selected Poster Presentations

- 1. Johnson B & Johnston M.V. Quality and coordination of care for persons with brain injury in the community: Developing a survey measure, *Health Sciences Research Symposium*, University of Wisconsin at Milwaukee, Milwaukee, WI, December, 2011.
- 2. Westlake K, **Johnson B**, Creath R, & Rogers M. Neurocognitive function is associated with reach to grasp protective responses to balance perturbations in older fallers. *Annual Pepper Meeting*, Arlington, VA, April, 2015.
- 3. Johnson B, McCombe Waller S, Whitall J, & Westlake K. Development of a bimanual assessment measure (BAM) to assess upper extremity sensorimotor function following stroke, *The American Physical Therapy Association's Annual Mid-Atlantic Regional Meeting*, College Park, MD, October, 2016.
- 4. Johnson B, Scharf S.M., & Westlake K. Using targeted memory reactivation (TMR) during sleep, but not wake, improves sensorimotor skill learning in healthy young adults, *The American Physical Therapy Association's Annual Mid-Atlantic Regional Meeting*, College Park, MD, October, 2016.
- Johnson B, McCombe Waller S, Whitall J, & Westlake K. Development of the bimanual assessment measure (BAM) to assess function after stroke, *World Congress for Neurorehabilitation Annual Meeting*, Philadelphia, PA, May, 2016.
- 6. **Johnson B**, Scharf S.M., & Westlake K. Targeted memory reactivation during sleep improves sensorimotor skill learning in healthy young adults, *World Congress for Neurorehabilitation Annual Meeting*, Philadelphia, PA, May, 2016.
- 7. Johnson B & Westlake K. Investigating the use of acoustic neuromodulation during sleep on sensorimotor performance. *The Medical College of Wisconsin Brain Injury Research Conference*, Milwaukee, WI, October, 2017.
- 8. **Johnson B** & Westlake K. Enhancing sensorimotor skill performance in healthy young adults via targeted memory reactivation during a nap. *Johns Hopkins 3rd Annual Sleep & Circadian Rhythm Research Day*, Baltimore, MD, June, 2018.
- 9. Johnson B & Westlake K. Use of targeted memory reactivation throughout a daytime nap to enhance sensorimotor performance in healthy young adults. *Progress in Clinical Motor Control*, State College, PA, July, 2018.
- 10. Johnson B & Westlake K. An investigation into the behavioral effects of targeted memory reactivation during sleep on sensorimotor skill performance in older adults with and without a history of stroke. *The University of Maryland School of Medicine's 2nd Annual Aging Research Symposium*, Baltimore, MD, April, 2020.

11. Johnson B, Cockey E, Cooley S, Nolasco Y, Rogers S, Torbit M, Wolfe M, & Westlake K. Brief practice across days optimize intermanual transfer of motor skill through memory reconsolidation: Less is more. *The University of Maryland Department of Physical Therapy & Rehabilitation Science's Annual Research Day*, Baltimore, MD, May, 2021.

Selected Podium Presentations

- 1. **Johnson B** & Mertes J. Awareness and insight training to increase safety in chronic TBI and CVA survivors. University of Wisconsin Hospital & Clinics, Madison, WI, June, 2012.
- 2. Johnson B & Fischer M. Increased speed and intensity of exercises improve motor and functional outcomes following stroke. The Rehabilitation Institute of Chicago (now known as Shirley Ryan AbilityLab), Chicago, IL, March, 2012.
- 3. Johnson B & Westlake K. Motor inhibition during REM sleep. University of Maryland School of Medicine, Baltimore, MD, December 2013.
- 4. **Johnson B**, Hegdekar N, Katorcha E, & Kurland D. Bilateral arm training with rhythmic auditory cueing for neurorehabilitation. University of Maryland, Baltimore Student Entrepreneurship Pitch Day 2016, Baltimore, MD, May, 2016.
- 5. Johnson B & Westlake K. Use of Targeted Memory Reactivation (TMR) during sleep to enhance non-dominant upper extremity sensorimotor performance in healthy young adults. Johns Hopkins University Annual Sensorimotor Research Day, Baltimore, MD, December, 2016.
- 6. **Johnson B**. Sensorimotor memory consolidation. The University of Maryland, Baltimore 3-Minute Thesis Competition. Baltimore, MD, April, 2017.
- 7. Johnson B. Topics in stroke rehabilitation research. Prince George's Hospital Center, Cheverly, MD, February, 2017.
- 8. **Johnson B**. The role of sleep in learning and rehabilitation. Shady Grove Adventist Medical Center, Rockville, MD, January, 2017.
- Johnson B & Westlake K. Can targeted memory reactivation during a daytime nap enhance sensorimotor performance? Johns Hopkins 2nd Annual Sleep & Circadian Rhythm Research Day, Baltimore, MD, June, 2017.
- 10. Johnson B. The role of sleep in motor learning and rehabilitation. Canadian Partnership for Stroke Recovery Stroke Program in Neurorecovery Workshop, The University of Calgary & Calgary Children's Hospital, Calgary, AB, Canada, September, 2017.
- 11. Johnson B. Investigating the use of targeted memory reactivation during sleep to enhance performance of a real-world sensorimotor skill. The Society for Neuroscience Annual Meeting, Washington, D.C., November, 2017.
- 12. Johnson B. Use of repetitive acoustic stimulation during sleep to enhance non-paretic arm performance in individuals with chronic stroke. The Canadian Partnership for Stroke Recovery, Webinar, April, 2019.

13. **Johnson B** & Westlake K. Motor learning in rehabilitation: From brain to behavior. The University of Maryland's Physical Therapy Month Continuing Education Course, Baltimore, MD, October, 2020.