

SHASHWATI GEED

Department of Physical Therapy and Movement Sciences

University of Texas at El Paso

3333 N Mesa St., El Paso, TX 79902

(608) 338-8760

sgeed@utep.edu

EDUCATION

- Dec 2014 **Ph.D. in Kinesiology** (Motor Control and Learning, Neuroscience)
University of Wisconsin – Madison, Madison, WI
- Feb 2002 **Bachelor of Physical Therapy**, Devi Ahilya University, Indore India
- Citizenship US Citizen

PROFESSIONAL EXPERIENCE

- 2023 – Present ***Tenure-track Assistant Professor***, Department of Physical Therapy and Movement Sciences
University of Texas at El Paso, El Paso, TX
- 2020 – 2023 ***Research-track Assistant Professor***, Department of Rehabilitation Medicine
Georgetown University, Washington DC
- 2020 – Present ***Research Scientist***, MedStar National Rehabilitation Hospital, Washington DC
- 2018 – 2020 National American Heart Association ***Postdoctoral Fellowship***
MedStar National Rehabilitation Hospital, Washington DC
Research mentor: Dr. Alexander W. Dromerick
- 2017-2018 NIH/NCATS TL1 ***Postdoctoral Fellowship***
Georgetown-Howard Universities Centers for Clinical and Translational Science
Research mentors: Drs. Alexander W. Dromerick and Peter S. Lum
- 2016 – 2017 NINDS StrokeNet ***Postdoctoral Fellowship***
MedStar National Rehabilitation Hospital, Washington DC
Research mentors: Drs. Michelle L. Harris-Love, Peter S. Lum, Alexander W. Dromerick
- 2015 – 2016 NIDILRR Advanced Rehabilitation Research Training ***Postdoctoral fellowship***
MedStar National Rehabilitation Hospital, Washington DC
Research mentors: Drs. Michelle L. Harris-Love, Peter S. Lum
- 2006 – 2014 ***Teaching and Research Assistant***, University of Wisconsin – Madison
- 2002 – 2004 ***Physical Therapist***, Bombay Hospital, Indore, India

RESEARCH AND SCHOLARLY ACTIVITIES

RESEARCH FUNDING

2020 – 2023	NIH Career Development Award K12HD093427 <i>Critical period plasticity post stroke.</i> Direct Costs: \$387,756 Role: Project Principal Investigator
2019 – 2023	MedStar Health Research Institute New Investigator Award <i>Identifying a biomarker for critical period plasticity post stroke.</i> Direct Costs: \$25,000 Role: Principal Investigator
2019 – 2023	Charles and Mary Latham Foundation <i>Identify the genetic polymorphisms underlying neuroplasticity post stroke.</i> Direct Cost: \$9,850 Role: Principal Investigator
2019 – 2024	NIDILRR Rehabilitation Research Training Center (RRTC) <i>Health and Function for People with Physical Disabilities Focused on Neurogenic Lower Urinary Tract Dysfunction.</i> Direct Cost: \$3,835,202 Role: Statistician (5% effort on projects R1 and R3), I support RRTC investigators at MedStar National Rehabilitation Hospital, and TIRR Memorial Houston in trial design, outcomes, database management, and statistical analyses.
2018 – 2023 NCE (2024)	NIDILRR Rehabilitation Engineering Research Center (RERC) <i>Patient-Centered, Home-Based Technologies to Assess and Treat Motor Impairment in Individuals with Neurologic Injury.</i> Direct Cost: \$4,624,670 Role: Co-Investigator on project R2 <i>Machine learning algorithms to determine functional arm movements in stroke.</i>
2017 – 2019	National American Heart Association Postdoctoral Fellowship <i>Shoulder and Hand Functional Improvement Post Stroke (SHIPS): Successful Recovery of Upper Extremity Motor Function.</i> Direct Cost: \$102,550 Role: Principal Investigator, postdoctoral fellowship
2016 – 2018	Georgetown-Howard Universities Center for Clinical and Translational Science (GHUCCTS) TL1 Postdoctoral Fellowship <i>Shoulder and Hand Function Improvement Post Stroke.</i> Direct Cost: \$132,072 Role: Principal Investigator, postdoctoral fellowship

PUBLICATIONS

§ denotes co-first authors, * denotes corresponding author, underlined is a mentee

1. **Geed S***, Grainger ML, Mitchell A, Anderson CC, Schmaulffuss HL, Culp SA, McCormick ER, McGarry MR, Delgado MN, Noccioli AD, Shelepov J, Dromerick AW, Lum PS. Concurrent Validity of Machine Learning-Classified Functional Upper Extremity Use from Accelerometry in Chronic Stroke. *Frontiers in Physiology*. **2023**. 14. doi: <https://doi.org/10.3389/fphys.2023.1116878>
2. Barth J, **Geed S**, Mitchell A, Brady, KP, Giannetti, ML, Dromerick, AW, Edwards, DF. The Critical Period after Stroke Study (CPASS) Upper Extremity Treatment Protocol. *Archives of Rehabilitation Research and Clinical Translation*. **2023**:100282. <https://doi.org/10.1016/j.arrct.2023.100282>.
3. Edwardson, MA, Brady, KP, Giannetti, ML, **Geed, S**, Barth, J, Mitchell, A, Tan, MT, Zhou, Y, Bregman, BS, Newport, EL, Edwards, DF, Dromerick, AW. **2023**. Interpreting the CPASS Trial: Do Not Shift Motor Therapy to the Subacute Phase. *Neurorehabil Neural Repair*, 15459683221143461.
4. Sequeira SB, Grainger ML, Mitchell AM, Anderson CC, **Geed S**, Lum PS, Giladi AM. Machine Learning Improves Functional Upper Extremity Use Capture in Distal Radius Fracture Patients. *Plast Reconstr Surg Glob Open* **2022**, 10 (8), e4472.
5. § Dromerick AW, § **Geed S**, Barth J, Brady K, Giannetti ML, Mitchell A, Edwardson MA, Tan MT, Zhou Y, Newport EL, Edwards DF. Critical Period After Stroke Study (CPASS): A phase II clinical trial testing an optimal time for motor recovery after stroke in humans. *Proceedings of the National Academy of Sciences*. **2021**;118(39): e2026676118.
6. **Geed S**,* Grainger ML, Harris-Love ML, Lum PS, Dromerick AW. Shoulder position and handedness differentially affect excitability and intracortical inhibition of hand muscles. *Experimental Brain Research*. **2021**; 239(5):1517-1530.
7. **Geed S**,* Feit P, Edwards DF, Dromerick AW. Why are stroke rehabilitation trial recruitment rates in single digits? *Frontiers in Neurology*. **2021**. doi: 10.3389/fneur.2021.674237
8. **Geed S**,* Lane CJ, Nelsen MA, Wolf SL, Winstein CJ, Dromerick AW. Inaccurate Use of the Upper Extremity Fugl-Meyer Negatively Affects Upper Extremity Rehabilitation Trial Design: Findings From the ICARE Randomized Controlled Trial. *Archives of Physical Medicine and Rehabilitation*. **2021**; 102(2):270-279.
9. Barth J, **Geed S**, Mitchell A, Lum PS, Edwards DF, Dromerick AW. Characterizing upper extremity motor behavior in the first week after stroke. *PloS one* **2020**; 15(8): e0221668.
10. Lee SW, Vermillion BC, **Geed S**, Dromerick AW, Kamper DG. Impact of Targeted Assistance of Multiarticular Finger Musculotendons on the Coordination of Finger Muscles During Isometric Force Production. *IEEE Trans Neural Syst Rehabil Eng* **2018**; 26(3): 619-28.
11. **Geed S**,* McCurdy ML, van Kan PL. Neuronal Correlates of Functional Coupling between Reach- and Grasp-Related Components of Muscle Activity. *Front Neural Circuits* **2017**; 11(7): 7.
12. **Geed S**,* van Kan PLE. Grasp-Based Functional Coupling Between Reach- and Grasp-Related Components of Forelimb Muscle Activity. *J Mot Behav* **2017**; 49(3): 312-28.

INVITED TALKS

- 2023 *Age-related decline in grip force modulation: Contribution of the nonoscillatory EEG 1/f-like aperiodic signal.* Physiological Neuroimaging Group (PiNG) at The Wellcome Centre for Integrative Neuroimaging and Medical Research Council (MRC) Brain Network Dynamics Unit (BNDU). Nuffield Department of Clinical Neuroscience. **The University of Oxford, UK.** Jul 28, 2023.
- 2023 *Between Acute and Chronic Rehabilitation: The Forgotten Subacute Period.* Improvement in Motor Performance Post-Stroke Across the Care Pathway. **International Stroke Conference.** Dallas, TX. Feb 8, 2023.
- 2023 *Critical Period Neuroplasticity Early Post Stroke: Mechanism for Preferred Responsiveness to Therapy?* Division of Biokinesiology and Physical Therapy at **The University of Southern California.** Neurorehabilitation Seminar. Jan 20, 2023.
- 2022 *Is there an optimal time or time sensitive window after stroke to enhance motor recovery?* **14th World Stroke Congress.** Singapore. Oct 28, 2022.
- 2022 *Plasticity and Recovery Across the Translational Spectrum from Cellular and Molecular, Animal models and Human Clinical Trials.* **NIH K12 Neurorehabilitation and Restorative Neuroscience Symposium.** Annual Meeting of the American Society of Neurorehabilitation. St. Louis, MO. Mar 30, 2022.
- 2022 *Stroke Recovery and Rehabilitation Over Time and Place.* **Annual Meeting of American Society of Neurorehabilitation.** St. Louis, MO. Apr 2, 2022.
- 2022 *Measurement Across the Translational Spectrum. State of Art Advances and Discoveries in Neurogenic Lower Urinary Tract Dysfunction.* **Annual Meeting of American Spinal Injury Association,** New Orleans, MO. May 17, 2022.
- 2021 *Critical Periods After Stroke Study: Translating Animal Experiments in Stroke Recovery to Human Clinical Trials.* **Department of Kinesiology, University of Wisconsin – Madison.** Madison, WI. Mar 2021.
- 2015 *Reliability of Corticomotor Excitability in Proximal Upper Extremity Muscles of Severely Impaired Chronic Stroke Patients.* **Young Investigators' Symposium.** American Congress of Rehabilitation Medicine. Dallas, TX. Oct 2015.

MEDIA COVERAGE OF WORK

- 2021 Critical Period Plasticity Post-Stroke: Press releases by multiple science media avenues
[EurekAlert!](#)
[BadgerHERALD](#)
[Altmetric](#)

SELECTED CONFERENCE PRESENTATIONS

[§] authors contributed equally; *mentee*

Oral presentations

1. **Geed S**, Barth J, Brady K, Giannetti M, Mitchell A, Edwardson MA, Wu T, Tan MT, Newport EL, Edwards DF, Dromerick AW. (2022). Effect of Neurorehabilitation Timing on Stroke Impact Scale Domains of Recovery: The Critical Periods After Stroke Study (CPASS) Randomized Clinical Trial. 12th World Congress for Neurorehabilitation. Dec 14-17, 2022. Vienna, Austria.

Poster presentations

1. **Geed S**, Culp SA, Miyakoshi MM, Lum PS. (2023). Cortical excitation-inhibition dynamics during critical period neuroplasticity in subacute stroke. Inhibition in the CNS Gordon Research Conference. Assembly and Function of Inhibitory Neurons in Health and Disease. Les Diablerets, VD, Switzerland.
2. ****Qadri, S**, Miyakoshi MM, Lum PS, **Geed, S**. (2022) EEG Correlates of Motor Function Recovery During the Critical Period Window Post Stroke. MedStar Health-Georgetown University Research Symposium, Washington, DC.
***This poster was awarded first position (Medical residents and Fellows category) by the Symposium Scientific Review Committee.*
3. Ngo TTH, Miyakoshi MM, **Geed, S**, Lum PS. (2022). EEG Correlates of Age-Related Decline in Grip Force Control. MedStar Health-Georgetown University Research Symposium, Washington, DC.
4. **Geed S**, Lum PS, Grainger ML, Medvedev AV, Dromerick, AW. (2021). Role of inhibitory interneurons in grip force modulation in aging. Central Nervous System Injury and Repair Gordon Research Conference. Jordan Hotel at Sunday River in Newry, ME.
5. **Geed S**, Harris-Love M, Grainger ML, Ganesh H, Edwardson MA, Lum PS, Dromerick AW. (2021) Shoulder position and lesion location differentially affect hand muscle excitability and intracortical inhibition early post-stroke. International Brain Stimulation Conference, Charlottesville, SC.
6. **Geed S**, Lum PS, Medvedev AV, Dromerick AW. (2021). Role of cortical inhibitory interneurons in motor recovery after stroke. MedStar Health-Georgetown University Research Symposium, Washington, DC.
7. Mitchell AM, Barth J, Brady KP, Giannetti ML, **Geed S**, Dromerick AW, Edwards DF. (2021). Quantifying Upper Extremity Stroke Rehabilitation: A description of movement counts during a standardized, individualized, progressive upper extremity (UE) motor training program. World Federation of Occupational Therapy, Paris, France.
8. Barth J, Brady KP, Mitchell AM, **Geed S**, Dromerick AW, Edwards DF, Giannetti ML. (2021). Optimizing Upper Extremity Stroke Rehabilitation: Intervention principles, feasibility, and adherence to a standardized, individualized, progressive upper extremity (UE) motor training program. World Federation of Occupational Therapy, Paris, France.
9. **Geed S**, Nowshin F, Chalamgari A, Barth J, Harris-Love ML, Lum PS, Dromerick AW. (2018). Changes in corticomotor excitability associated with successful recovery of upper extremity function post stroke. American Society of Neurorehabilitation, San Diego, CA.
10. **Geed S**, Cahn MD, Thrasher SK, Chalamgari A, Barth JB, Harris-Love ML, Lum PS, Dromerick AW. (2017). SHIPS: Studying successful upper extremity motor recovery post stroke. American Society of Neurorehabilitation, Washington, DC.
11. Barth JB, **Geed S**, Lum PS, Edwards DF, Dromerick AW. (2017). Post-stroke motor behavior before influence of therapy: the AAHA study. American Society of Neurorehabilitation, Washington, DC.
12. Edwards DF, Barth JB, **Geed S**, Brady K, Giannetti M, Dromerick AW. (2017). Patient preferences for upper extremity rehabilitation treatment: The CPASS Study. Congress of Neurorehabilitation and Neural Repair. Maastricht, The Netherlands.
13. Dromerick AW, **Geed S**, Edwardson MA, Giannetti ML, Barth J, Brady K, Ming T Tan MT, Fiandaca MA, Federoff HJ, Newport EL, Edwards DF. (2017). Blinded interim analysis from the Critical Periods After Stroke Study CPASS – trends in upper extremity recovery of patients randomized within 30-days of stroke onset. Congress of Neurorehabilitation and Neural Repair. Maastricht, The Netherlands. Platform presentation.
14. ****Geed S**, Lum PS, Harris-Love ML, Barth J, Turkeltaub PE, Dromerick AW. (2017). Successful recovery of hand function after stroke. B178. Translational Science 2017, Association for Clinical and Translational Science annual meeting. Washington, DC.
***This poster was awarded the top score (Blue Ribbon Poster Award) by the Symposium Scientific Review Committee.*

15. Dromerick AW, Edwards DF, Edwardson MA, Giannetti ML, Barth J, Brady KP, Wilson CP, Chan E, **Geed S**, Tan MT, Fiandaca MS, Federoff HJ, Newport EL. (2017). Critical Periods After Stroke Study (CPASS). Ongoing clinical trials. International Stroke Conference. Houston, TX.
16. **Geed S**, Giannetti ML, Barth J, Brady KP, Wilson CP, Edwards DF, Dromerick AW. (2016). Paging Dr. Lasagna: Why Early Inpatient Rehab Trial Recruitment Rate is in Single Digits. International Stroke Conference 2017.
17. **Geed S**, Nelsen M, Lane C, Winstein C, Wolf SL, Dromerick AW. (2017). Recovering upper extremity movement synergies post stroke. Sixth Annual MedStar Health Research Symposium. Washington, DC.
18. Dromerick AW, Edwards DF, Edwardson MA, Giannetti ML, Barth J, Brady KP, Wilson CP, Chan E, **Geed S**, Tan MT, Fiandaca MS, Federoff HJ, Newport EL. (2017). Critical Periods After Stroke Study (CPASS). Sixth Annual MedStar Health Research Symposium. Washington, DC. Poster.
19. **Geed S**, Nelsen M, Lane C, Winstein C, Wolf SL, Dromerick AW. (2016). Rasch analysis of the UE Fugl-Meyer in the ICARE Stroke trial: Effects of rescaling on clinical assessment and measurement of recovering motor control. American Society of Neurorehabilitation; San Diego, CA.
20. **Geed S**, Silva, GG, Rodrigues MD, & Kukke SN. (2016). Abstract WP148: Tactile-enhanced Motor Practice Improves Manual Dexterity Over Visually Guided Practice. *Stroke*, 47(Suppl 1), AWP148.
21. Harrington, R, Chan, E, **Geed, S**, Wutzke, CJ, & Harris-Love, M. (2015). Roles of Lesion Volume and Lesion Location in Post-Stroke Arm Impairment. *Arch Phys Med Rehabil*, 96(12), e16.
22. **Geed, S**, Chan, E., Harris-Love, M., & Harris-Love, M. (2015). Reliability of Corticomotor Excitability in Proximal Upper-Extremity Muscles of Severely Impaired Chronic Stroke Patients. *Arch Phys Med Rehabil*, 96(10), e6. doi: <http://dx.doi.org/10.1016/j.apmr.2015.08.014>.
23. Edwardson MA, **Geed S**, Cheema A, Tan M, Bregman B, Dromerick AW. Biomarkers of stroke recovery study (BIOREC) methodology. American Society of Neurorehabilitation; (2015); Chicago, IL.
24. **Geed, S**, McCurdy, ML, and Van Kan, P. L. E. (2013). Contribution of Interposito-rubrospinal Pathway to Muscle Synergies Underlying Reaching to Grasp. Soc. Neurosci Abstr 39, Program No. 650.13. San Diego, CA.
25. **Geed, S**, McCurdy, ML, and Van Kan, P. L. E. (2011). Primate magnocellular red nucleus (RNm) encodes muscle synergies during reaching to grasp. Soc. Neurosci Abstr 37, Program No. 82. Washington, D.C.
26. **Geed, S**, McCurdy, ML, and Van Kan, P. L. E. (2010). Relative importance of intended hand use versus target location for muscle synergies that transport the hand during reaching to grasp. Soc. Neurosci Abstr 36, Program No. 492. San Diego, CA.

HONORS AND AWARDS

2023	<i>NIH Jumpstart</i> grant-writing mentorship program, Office of Research and Sponsored Programs, University of Texas at El Paso
2022 – 2023	Advanced Learning Fellow, Reproducible Rehabilitation Research (<i>ReproRehab</i>) <i>ReproRehab</i> is an NIH-funded program at the University of Southern California that trains early career and neurorehabilitation investigators in best practices in data science, big data, and reproducible open science practices.
2022	Training in Grantsmanship for Research (TIGRR) grant-writing workshop
2017	Top Scoring Poster Award MedStar Health Research Symposium, Washington DC
2017	Top Scoring Poster Award, Association for Clinical and Translational Science, Washington DC
2013 – 2014	Mary R McKee Scholarship, University of Wisconsin – Madison
2011 – 2012	Genevieve Brown Right Fellowship, University of Wisconsin – Madison
2009 – 2011	Marie L. Carns Fellowship, University of Wisconsin – Madison
2008 – 2009	Ruth Glassow Memorial Scholarship, University of Wisconsin – Madison
2007 – 2008	Genevieve Brown Wright Scholarship, University of Wisconsin – Madison
2006 – 2007	Blanche M. Trilling Fellowship, University of Wisconsin – Madison
2002	Alka Verma Memorial Award, Indian Association of Physiotherapy

Training Fellowships and Travel Awards

2014	University of Wisconsin – Madison Travel Award to attend Society for Neuroscience Annual Meeting
2013	Vilas Conference Presentation Travel Award, University of Wisconsin – Madison
2011	Vilas Conference Presentation Travel Award, University of Wisconsin – Madison
2011	University of Wisconsin – Madison Travel Award to attend Society for Neuroscience Annual Meeting

TEACHING EXPERIENCE

Courses taught as Faculty or Course coordinator

Fall 2023	Neurorehabilitation I PT 6314 Role: Instructor, University of Texas at El Paso (UTEP)
Fall 2023	PT Capstone Project I Role: Instructor, University of Texas at El Paso (UTEP)
2018 – 2020	Motor control and Learning , 1 lecture Role: Instructor Neuroscience Core II, Interdisciplinary Program in Neuroscience, Georgetown University
2012	Research Methods in Kinesiology 3-credit course Role: Instructor and Course Coordinator Department of Kinesiology, University of Wisconsin – Madison

Courses as a TA at the University of Wisconsin – Madison

2013 – 2014	Socio-cultural Aspects of Physical Activity
2010 – 2013	Theoretical Foundations of Occupation-based Practice Role: Teaching Assistant, deliver 1 lecture on “ <i>Culturally sensitive practice in Occupational Therapy</i> ”
2010 – 2013	Scientific Inquiry in Occupational Therapy Role: Teaching Assistant, deliver some lectures on research methods and statistics in Occupational Therapy
2010-2013	Scientific Writing in Occupational Therapy Role: Teaching Assistant, lead some lectures on scientific writing in Occupational Therapy
2010 – 2012	Assistive Technology in Occupational Therapy Practice
2009 – 2013	Community-based Occupational Therapy Practice
2006 – 2013	Neural Control of Movement
2007 – 2009	Motor Development Across the Lifespan
2007 – 2009	Motor Learning and Performance
2009 – 2010	Adolescent and Young Adult Occupational Therapeutic Interventions

MENTORING

2022 – present	Seraphina Culp, PhD student, Department of Biomedical Engineering, The Catholic University of America, Washington DC
----------------	----------------------------------------------------------------------------------------------------------------------

Outcomes:

- (a) Geed S*, Grainger ML, Mitchell A, Anderson CC, Schmaulffuss HL, **Culp SA**, McCormick ER, McGarry MR, Delgado MN, Noccioli AD, Shelepov J, Dromerick AW, Lum PS. Concurrent

2022 – present	<p>Syed Qadri, MD. Physical Medicine and Rehabilitation Resident</p> <p>Outcomes:</p> <ul style="list-style-type: none"> (a) Accepted to the Rehabilitation Medicine Scientist Training Program from Association of Academic Physiatrists. I am Dr. Qadri's primary mentor. (b) <u>Qadri, S</u>, Ngo HTT, Miyakoshi MM, Lum PS, Geed, S. (2022). EEG Correlates of Motor Function Recovery During the Critical Period Window Post Stroke. Annual Meeting of the Association of Academic Physiatrists. Anaheim, CA. (c)
2022 – 2023	<p>Ha Ngo, Senior, Computer Science, School of Engineering, The Catholic University of America, Washington DC</p> <p>Outcomes: <u>Ngo HTT</u>, Miyakoshi MM, Lum PS, Geed, S. (2022). EEG Correlates of Age-related decline in grip force control. MedStar Health-Georgetown University Research Symposium, Washington, DC</p>
2022 (summer)	Trenton Gilstrap, PhD student, Department of Biomedical Engineering, The Catholic University of America, Washington DC
2020 – 2021	<p>Harrish Ganesh, Thomas Jefferson High School of Science and Technology, Alexandria, VA.</p> <p>Outcomes:</p> <ul style="list-style-type: none"> (a) Shoulder position and lesion location differentially affect hand muscle excitability and intracortical inhibition early post-stroke. Geed S, Harris-Love M, Grainger ML, <u>Ganesh H</u>, Edwardson MA, Lum PS, Dromerick AW. International Brain Stimulation Conference, Charlottesville, SC. 2020. (b) Accepted to the guaranteed medical program at Virginia Commonwealth University, Richmond with full funding.
2018 – 2020	<p>Mai Bui, Junior, Department of Biomedical Engineering, The Catholic University of America, Washington DC</p> <p>Outcomes: Software Engineer at Microsoft</p>
2017 (summer)	<p>Matthew D Cahn, Georgetown University School of Medicine.</p> <p>Outcomes: Geed S, <u>Cahn MD</u>, Thrasher SK, Chalamgari A, Barth JB, Harris-Love ML, Lum PS, Dromerick AW. (2017). SHIPS: Studying successful upper extremity motor recovery post stroke. American Society of Neurorehabilitation, Washington, DC</p>
2016 (summer)	<p>Jocelyn Lu, Georgetown University School of Medicine</p> <p>Outcomes: Dean's summer research scholarship</p>
2016 – 2019	<p>Anjalika Chalamgari, Thomas Jefferson High School of Science and Technology, Alexandria, VA.</p> <p>Outcomes:</p> <ul style="list-style-type: none"> (a) Geed S, Cahn MD, Thrasher SK, <u>Chalamgari A</u>, Barth JB, Harris-Love ML, Lum PS, Dromerick AW. (2017). SHIPS: Studying successful upper extremity motor recovery post stroke. American Society of Neurorehabilitation, Washington, DC (b) Geed S, Nowshin F, <u>Chalamgari A</u>, Barth J, Harris-Love ML, Lum PS, Dromerick AW. (2018). Changes in corticomotor excitability associated with successful recovery of upper extremity function post stroke. American Society of Neurorehabilitation, San Diego, CA.

(c) Accepted to University of Pittsburgh under guaranteed admissions program to University of Pittsburgh Medical School.

- 2016 – 2018 Farhanaz Nowshin, Department of Psychology at The Catholic University of America, Washington DC
Outcomes: Geed S, Nowshin F, Chalamgari A, Barth J, Harris-Love ML, Lum PS, Dromerick AW. (2018). Changes in corticomotor excitability associated with successful recovery of upper extremity function post stroke. American Society of Neurorehabilitation, San Diego, CA.
- 2015 (summer) Maira D Rodrigues, Occupational Therapy Candidate Universidad Federal de Pernambuco, Recife, Brazil.
Outcomes: Geed S, Silva, GG, Rodrigues MD, & Kukke SN. (2016). Abstract WP148: Tactile-enhanced Motor Practice Improves Manual Dexterity Over Visually Guided Practice. *Stroke*, 47 (Suppl 1), AWP148.
- 2015 (summer) Gabriela Gil Silva Barbosa, Physical Therapy Candidate, Universidad Federal de Alfenas, Alfenas, Brazil
Outcomes: Geed S, Silva, GG, Rodrigues MD, & Kukke SN. (2016). Abstract WP148: Tactile-enhanced Motor Practice Improves Manual Dexterity Over Visually Guided Practice. *Stroke*, 47 (Suppl 1), AWP148.

PROFESSIONAL SERVICE AND ACTIVITIES

JOURNAL EDITORIAL BOARDS, REVIEWING

Editorial Board

2021 – present Topics in Spinal Cord Injury Rehabilitation

Ad Hoc Reviewer

Neurorehabilitation and Neural Repair, Experimental Brain Research, Journal of Neurophysiology, BMC Neurology, Topics in Spinal Cord Injury Rehabilitation, Translational Stroke Research, Frontiers in Human Neuroscience

Grant Reviewer

2021, 2022 Swiss National Science Foundation

2023 SPiRE (Special Projects in Rehabilitation Excellence), VA Office of Rehabilitation Research and Development

Service to the Department/College/University

2023 – Present Member, Research Committee, Department of Physical Therapy and Movement Sciences, University of Texas at El Paso

2023 – Present Member, Faculty Development Committee, College of Health Sciences, University of Texas at El Paso

SCIENTIFIC OUTREACH, TRAINING IN DIVERSITY, EQUITY, & INCUSION

- 2022 **Presumed Incompetent II: Lessons from the Struggles and Victories of Women in Color in Academia**
National Center for Faculty Development and Diversity Workshop

- 2020 **Developing Anti-Oppressive Communities: Supporting Black Students and Mentees**
National Center for Faculty Development and Diversity Workshop
- 2016 **Micro-aggressions, Micro-Resistance and Ally Development in the Academy**
National Center for Faculty Development and Diversity Workshop
- 2014, 2012, **Graduate Assistants' Equity Workshops**
2010 University of Wisconsin – Madison
- 2010 – 2013 **University of Wisconsin – Madison STEM mentor**, panelist promoting
under-represented minority participation in STEM majors
- 2010 – 2013 **Graduate Women in Science**, Sigma Delta Epsilon chapter
STEM outreach speaker, mentor for girls in elementary and middle schools
- 2007 – 2009 **University of Wisconsin – Madison Graduate Student Collaborative**
Graduate speaker for first-generation college students, panelist from the Kinesiology Department

Professional Associations

- 2015 – Present American Heart/Stroke Association
- 2014 – Present American Society for Neurorehabilitation
- 2010 – 2014, 2023 Society for Neuroscience
- 2008 – 2010 Sigma Xi Honor Society