

## Michelle L. Woodbury PhD, OTR/L

[WoodbuML@musc.edu](mailto:WoodbuML@musc.edu)

### EDUCATION

Doctor of Philosophy in Rehabilitation Science, 2006, University of Florida, Gainesville FL  
Master of Arts in Intercultural Studies, 1995, Columbia International University, Columbia, SC  
Bachelor of Science in Occupational Therapy, 1986, Elizabethtown College, Elizabethtown, PA

### WORK HISTORY

2014 – present Medical University of South Carolina, College of Health Professions, Department of Health Sciences and Research and Division of Occupational Therapy, Charleston South Carolina **Associate Professor, academic research track**, and director of the Upper Extremity Motor Function Laboratory.

2010 - present Ralph H. Johnson VA Medical Center, Charleston, SC, **Research Health Scientist**. Research focus: Measurement and Treatment of upper extremity motor impairment and function in individuals with stroke.

2010 – 2014 Medical University of South Carolina, College of Health Professions, Department of Health Sciences and Research and Division of Occupational Therapy, Charleston South Carolina **Assistant Professor, academic research track**, and director of the Upper Extremity Motor Function Laboratory.

2006 – 2010 North Florida/South Georgia Veterans Health System, Brain Rehabilitation Research Center, Gainesville, Florida, **Research Health Scientist (2008-2010), Health Science Specialist (2006-2008)**. Research focus: Measurement of upper extremity motor impairment and function in individuals with stroke: using motion analysis, EMG and clinical scales.

2006 – 2010 University of Florida, College of Public Health and Health Professions, Department of Occupational Therapy, Gainesville, Florida; **Research Assistant Professor**.

2002 – 2006 University of Florida, College of Public Health and Health Professions, Departments of Occupational and Physical Therapy, Gainesville, Florida; **T32 Neuromuscular Plasticity Pre-Doctoral Fellow**.

1998 – 2005 Medical University of South Carolina, College of Health Professions, Department of Occupational Therapy, Charleston South Carolina; **Assistant Professor, academic educator track**, (1998 – 2004), **Adjunct Assistant Professor**, (2004 – 2006).

1994 – 1998 Healthsouth Rehabilitation Hospital, Columbia, South Carolina; **Senior Occupational Therapist and Neurorehabilitation Outpatient Team Leader**

1991 – 1994 Medplex Rehabilitation Hospital, Bradenton, Florida; **Senior Occupational Therapist**

1989 – 1991 Our Lady of Victory Hospital, Neurorehabilitation Unit, Buffalo, New York; **Senior Occupational Therapist**

1986 – 1989 New Medico Neurologic Rehabilitation Center, Cortland, New York; **Staff Occupational Therapist**

### FUNDED GRANTS/CONTRACTS - CURRENT

VA Rehabilitation R&D Merit Review Award (1-I01RX000799-01) **Woodbury (PI)** 07/2013-06/2017  
Ralph H. Johnson Veterans Administration Medical Center  
**Patient-Targeted Upper Extremity Rehabilitation After Stroke**  
Goal: This single-blind, RCT with parallel arm design and n=120 investigates the effects of an upper extremity rehabilitation program that is targeted at specific movement impairments and systematically progressed according to patients' evolving ability-level. The treatment effect of the targeted-therapy program will be compared to standard of care neurorehabilitation program with clinical assessment, kinematic analyses, and EMG analyses. Data will be statistically modeled to identify and characterize responders and non-responders.  
**Role: PI (5/8ths)**

PCORI Tier II SP00011923-18

Woodbury (PI)

05/01/15 – 02/01/16

**Partnership for Physical Rehabilitation Post-Stroke**

The goal is to enable an inquiry from a team of patients, caregivers, clinicians, and researchers to critically evaluate existing treatments and determine the best course of treatments for physical rehabilitation post-stroke.

**Role: PI**

NIH/NINDS SBIR Direct Phase II Austen Hayes, CEO Recover LLC. (co-PI)

09/01/16 – 08/31/18

**Establishing the Functional Viability and Dose-response of Duck, Duck Punch: A Stroke Rehabilitation Computer Game**

This project seeks to test the functional viability of a Kinect-based post-stroke rehabilitation game called Duck, Duck Punch and determine its commercial potential.

**Role: Co-PI**

American Heart Association 15SFDRN25870000 Robert Adams, MD (PI)

07/01/15 – 06/30/19

Strategically Focused Disparities in Cardiovascular Disease Research Network

**Subproject: Wide Spectrum Investigation of Stroke Outcome Disparities on Multiple Levels (WISSDOM) Community Based Intervention under Nurse Guidance; Magwood (PI)**

The goal is to reduce post-stroke rehabilitation disparities through implementation of a novel community-based health-rehabilitation model.

**Role: Rehabilitation Consultant**

Halo Neuroscience Corporation Multiple PIs: Woodbury and Feng

01/2015-12/2018

**Halo Neuroscience MUSC Motor Stroke Rehabilitation Clinical Trial**

Goal: To test the effect of tDCS + intensive rehabilitation compared to sham tDCS + intensive rehabilitation on arm motor function in a sample of chronic stroke patients.

**Role: Co-PI**

NINDS StrokeNet Multisite Recovery Trial 1U01NS091951-01A1 S. Cramer (PI)

01/2015-01/2017

**Stroke TeleRehabilitation**

Goal: Test the effect of a stroke rehabilitation program to improve arm recovery delivered via telehealth vs. in-clinic

**Role: MUSC Site PI**

NIH/NICHD 1 P2C HD086844-01 Steve Kautz, PhD (PI)

09/01/15 – 08/31/20

**National Center of Neuromodulation for Rehabilitation (NC NM4R)**

Proposed to create a national resource for researchers using the tools of NM4R to develop the next generation of rehabilitation interventions and to understand and study neuroplastic nervous system changes during rehabilitation.

**Role: Resource Faculty**

MUSC NC NM4R Pilot Project

Emily Grattan (PI)

7/01/16-6/30/17

**Examining the effects of transcranial direct current stimulation (tDCS) and task-specific practice on cortical modulation among individuals with unilateral spatial neglect post stroke**

Goal: To compare the effects of active (parietal lobe, motor cortex) vs. sham tDCS and task-specific practice on cortical modulation and behavioral outcomes in a sample of stroke patients with neglect.

**Role: Mentor**

MUSC Interdepartmental Seed Grant

Emily Grattan (PI)

7/01/16-7/30/17

**Unilateral spatial neglect and function: A collaborative project to link stroke research, education and clinical practice**

Goal: To compare real-world paretic arm use among individuals with and without neglect post stroke and to improve students' knowledge and use of neglect assessments in a clinical setting.

**Role: Mentor**

## **Completed Research Support** (Within Last 3 Years)

PCORI Tier 1 Seo (PI) 05/01/15 – 02/01/16

### ***Partnership for Physical Rehabilitation Post-Stroke***

Goal: To enable an inquiry from a team of patients, caregivers, clinicians, and researchers to critically evaluate existing treatments and determine the best course of treatments for physical rehabilitation post-stroke.

**Role: Co-PI**

NIH/NIGMS

Delaware CTSA (U54GM1049-01, Binder-MacLeod, PI; MUSC sub-award #34379, Kautz PI)

MUSC Pilot Project Award

11/2013–10/2015

### ***A Virtual Environment for Stroke Rehabilitation***

We developed, tested and licensed a prototype virtual environment (VE), ***Duck Duck Punch*** for post-stroke UE rehabilitation to meet the need for low-cost effective rehabilitation options. Promising pilot results led to software upgrades that have enabled translation of this technology out of the research laboratory and into clinical practice. The goal of this project is to test the effectiveness of self-directed UE rehabilitation enabled by our VE in an inpatient stroke rehabilitation clinic.

**Role: PI**

MUSC Center for Global Health Pilot Grant Coker-Bolt (PI)

05/2013-05/2014

### ***Building Global Capacity for Pediatric Constraint Induced Movement Therapy in Low Income Countries***

**Role: Co-PI**

South Carolina Translational Research Pilot Project

Dodds (PI)

04/2013-04/2014

*The Specific Test of Early Infant Motor Performance*

**Role: Co-I**

MUSC Interprofessional Collaboration Pilot Grant Finetto and Anderson (co-PIs)

01/2013-10/2014

### ***Relating Postural Control to Fine Motor Coordination in Stroke Patients***

**Role: Mentor**

## **PENDING GRANTS**

VA Rehabilitation R&D Merit Review Award

Woodbury (PI)

11/01/16 – 10/31/20

Ralph H. Johnson VAMC

### ***Punching Ducks to Improve Hemiplegic Arm Movement***

The goal of this project is to investigate the effectiveness of playing Duck Duck Punch, a stroke rehabilitation custom designed computer game, compared to traditional outpatient stroke rehabilitation on improving arm movement after stroke.

**Score: 178 on first submission (funding line at scores <150).** Resubmission planned for Dec 2016.

## **HONORS**

2000 Developing Teacher Award, MUSC Foundation, Medical University of South Carolina

2003 Research Excellence Award, College of Public Health and Health Professions, University of FL

2005 Research Excellence Award, College of Public Health and Health Professions, University of FL

2006 Research Excellence Award, College of Public Health and Health Professions, University of FL

2009 Teaching Excellence Award Finalist, College of Public Health and Health Professions, University of FL

2014 Educator/Mentor Teaching Excellence Award, MUSC Foundation, Medical University of South Carolina

2015 Health Care Hero Award, Charleston SC Business Journal

## MENTORED RESEARCH AWARDS

- 2010 Mentored 2 Masters-Level Awards, Student Research Day, Medical University of South Carolina  
2011 Mentored 3 Masters-Level Awards, Student Research Day, Medical University of South Carolina  
2012 Mentored 2 Masters-Level Awards, Student Research Day, Medical University of South Carolina  
2012 Microsoft Imagine Cup International Kinect Challenge: 2nd Place Worldwide (500 applicants) in the Applications of the Kinect for Healthcare Category (Duck Duck Punch, with Clemson Doctoral students)  
2013 Mentored 2 Masters-Level Awards, Student Research Day, Medical University of South Carolina  
2014 Mentored PhD student 1st-Place Award, Aging Research Day, SC Aging Research Network  
2014 Mentored 1 Post-Doctoral trainee 1st-Place Award, Student Research Day, MUSC  
2014 Mentored 1 PhD student 1st-Place Award, Student Research Day, MUSC  
2014 Mentored 3 Masters-Level Awards, Student Research Day, Medical University of South Carolina  
2015 Mentored 1 Masters-Level Award, Student Research Day, Medical University of South Carolina

## REFEREED PUBLICATIONS

Woodbury, ML., Anderson, K., Finetto, C., Hayes, A., Hodges, L., (2016), *The feasibility of a custom designed Kinect based stroke rehabilitation computer game to elicit in-home arm movement repetitions*. American Journal of Occupational Therapy (accepted, in minor revision).

Martinez, CA., Bacon H., Kim B., Fitzgerald, E., Russak D., Rowe VT., Lane, C., Wolf, SL., Woodbury ML., Winstein, CJ., (2016) *Unraveling the active ingredients underlying improved time in the Wolf Motor Function Test: development of a movement performance rating tool*, Physical Therapy (submitted, in review).

Grattan, ES., Woodbury, ML. (2016), *Which neglect assessment should I use?*, American Journal of Occupational Therapy, (submitted, in revision).

Rowe, V., Winstein, CJ., Wolf, SL., Woodbury, ML. (2016) *The Functional Test of the Hemiparetic Upper Extremity – A Rasch Analysis*, Archives of Physical Medicine and Rehabilitation (submitted, in review).

Grattan, ES., Velozo, CA., Skidmore, ER., Page, SJ., Woodbury, ML., (2016) *Interpreting Action Research Arm Test assessment scores to plan treatment*, Archives of Physical Medicine and Rehabilitation, (submitted, in revision).

Woodbury, M. L., Anderson, K., Finetto, C., Fortune, A., Dellenbach, B., Grattan, E., & Hutchison, S. (2016). *Matching task-difficulty to patient-ability during task practice improves upper extremity motor skill after stroke: a proof of concept study*, Archives of Physical Medicine and Rehabilitation, (epub ahead of print;) doi: 10.1016/j.apmr.2016.03.022, PMID: 27117385

Anderson, K.R., Woodbury, M.L., Phillips K., & Gauthier L.V. (2015). *Virtual reality video games to promote movement recovery in stroke rehabilitation*. Archives of Physical Medicine and Rehabilitation 2015; 96(5):973-6, PMID: 25910856

Coker-Bolt, P., Woodbury ML., Jenkins D. (2014) *Identifying premature infant at high and low risk for motor delays using motor performance testing and MRS.*, Journal of Pediatric Rehabilitation Medicine 2014; 7(3):219-32, PMID: 25260505

Sabari, J., Woodbury, M.L., Velozo, C.A. (2014) *Rasch analysis of a new hierarchical scoring system for evaluating hand function on the Motor Assessment Scale for stroke*. Stroke Research and Treatment, vol 2014, Article ID 730298, 10 pages, PMID: 25177513

Woodbury, ML., Velozo, CA., Richards, LG., Duncan, PW., (2013) *The use of Rasch analysis staging methodology to classify upper extremity movement impairment after stroke.* Archives of Physical Medicine and Rehabilitation, 94(8): 1527-1533, PMID: 23529144

Bowden MG, Woodbury ML, Duncan PW. (2013) *Promoting neuroplasticity and recovery after stroke: future directions for rehabilitation clinical trials.* Current Opinion in Neurology, 26(1):37-42, PMID: 23254556

Bowden MG., Behrman AL., Woodbury ML., Gregory CM., Velozo CA., Kautz SA., (2012) *Advancing measurement of locomotor rehabilitation outcomes to optimize interventions and differentiate between recovery versus compensation.* Journal of Neurological Physical Therapy, 36(1): 38-44.

Velozo, CA., Woodbury, ML. (2011) *Translating measurement findings into rehabilitation practice: an example using the Fugl-Meyer Assessment of the Upper Extremity with clients following stroke.* Journal of Rehabilitation Research and Development, 48(10): 1211-1222.

Lehman, L.A., Woodbury, M., Shechtman, O., Wang, Y-C., Pomeranz, J., Gray, D.B., Velozo, CA. (2011) *Development of an Item Bank for a Computerized Adaptive Test of Upper Extremity Function.* Disability and Rehabilitation, 33(21-22): 2092-2104.

Lehman, LA., Woodbury, ML., Velozo, CA. (2011) *Examination of the Factor Structure of the Disabilities of the Arm, Shoulder, and Hand Questionnaire,* American Journal of Occupational Therapy 65(2): 169-178

Woodbury, ML., Velozo, CA., Thompson, PA., Light, K., Uswatte, G., Taub E., Winstein, CJ., Morris, D., Blanton, S., Nichols-Larsen, DS., Wolf, SL., (2010) *Measurement Structure of the Wolf Motor Function Test: implications for motor control theory,* Neurorehabilitation and Neural Repair 24(9): 791-801.

Woodbury, ML, Howland, DR., McGuirk TE., Davis, SB., Senesac, CR., Kautz, S., Richards, LG. (2009) *Effect of trunk restraint combined with intensive task practice on poststroke upper extremity reach and function: a pilot study,* Neurorehabilitation Neural Repair, 23(1): 78-91

Woodbury ML, Velozo CA, Richards LG, Duncan PW, Studenski S, Lai S-M. (2008) *Longitudinal Stability of the Fugl-Meyer Assessment of the Upper Extremity.* Archives of Physical Medicine and Rehabilitation, 89(8):1563-1569

Richards, LG., Senesac C., McGuirk, TE., Woodbury, ML., Howland, D., Davis, S., Patterson T., (2008) *Response to intensive motor therapy by individuals with ataxia from stroke.* Topics in Stroke Rehabilitation, 15(3):262-271

Richards, LG., Senesac, CR., Davis, S, Woodbury ML, Nadeau SE. (2008) *Bilateral Arm Training with Rhythmic Auditory Cueing (BATRAC) in Chronic Stroke: Not Always Efficacious,* Neurorehabilitation and Neural Repair, 22(2):180-184.

Richards, LG., Stewart, KC., Woodbury, ML., Senesac, CR., Cauraugh, JH. (2008) *Movement-Dependent Stroke Recovery: A Systematic Review and Meta-Analysis of TMS and fMRI Evidence,* Neuropsychologia, 46(1):3-11.

Woodbury, ML, Velozo, CA., Richards, LG., Duncan, PW., Lai, S-M, Studenski, S. (2007) *Dimensionality and Construct Validity of the Fugl-Meyer Assessment of the Upper Extremity,* Archives of Physical Medicine and Rehabilitation, 88(6):715-732.

## **BOOK CHAPTER:**

Woodbury, ML., Fritz, SL., Blanton S., Wolf, SL. (2013) *History and development of Constraint Induced Movement Therapy for adults with stroke,* in The Handbook of Pediatric Constraint Induced Movement Therapy: Translating Theory into Clinical Practice and Functional Occupations, Ramey, SL., DelLuca, S, Coker-Bolt, P., editors, American OT Association, ISBN: 978-156-900-346-6.

## SCIENTIFIC PRESENTATIONS

Woodbury, ML., Proffitt, R. (2016) *Featured Symposium: Virtual reality and computer gaming applications for rehabilitation*, American Congress of Rehabilitation Medicine Annual Conference, Chicago IL., November 1-5.

Woodbury, ML. (2016) *Punching ducks for neurorehabilitation: Final progress report to the NIH Project Officers for the DE-ACCL pilot grant*. U. Delaware, May 12.

Woodbury, ML., (2016) *Sub-threshold cutaneous wrist stimulation to improve fine motor coordination post-stroke*. American Occupational Therapy Annual Conference, Chicago IL. March 30-April 2.

Woodbury, ML., (2015) *Linking measurement to stroke rehabilitation treatment*. American Occupational Therapy Conference, Nashville, TN, April 16-19.

Sabari, JS., Woodbury ML., (2015) *Development and Rasch analysis of a new hierarchy for scoring post-stroke hand function on the Motor Assessment Scale*. American Occupational Therapy Conference. Nashville, TN, April 16-19.

Woodbury, ML., Velozo CA., (2014) *Task difficulty matched to person ability improved upper extremity motor skill after stroke: A proof of concept study*. Third Annual Occupational Therapy Summit of Scholars, Philadelphia PA., May 9-10.

Woodbury, ML., Coker-Bolt, P., Ramey S, Deluca SC., Garcia T. (2013, April), *From Adult to Pediatric Constraint Induced Movement Therapy: Theory and Evidence to Inform Today's Practices*, Panel Discussion, American Occupational Therapy National Conference, San Diego CA.

Woodbury, ML., (2011, April) *Upper Extremity Assessment Items*, Teaching presentation at the Neurorecovery Network (NRN) National Summit, Louisville KY

Woodbury, ML., (2011, February) *Measurement Issues in Clinical Trials of Rehabilitation*, Panel Discussion: *Unraveling Dose From Ingredients of Therapy* with Winstein, C., Dromerick, A., Cortes, M., Behrman, A., Edwards, D., International Stroke Conference, Los Angeles CA.

Winstein, C., Blanton, S., Lang, C., Woodbury, ML., Velozo, CA., Roberts P., Monroe, L. (2010, May) *Interdisciplinary Clinical Trials In Rehabilitation: Beyond The Profession-level Boundary*, Workshop, American Occupational Therapy Annual Conference, Orlando, FL.

## MENTORED SCIENTIFIC PRESENTATIONS

Hutchison, S. D., Woodbury, M. L., & Simpson, A. N. (2017). *The Impact of Reported Depression on Disability Following Stroke*. Research Poster, Conference of American Occupational Therapy Association, Philadelphia, PA.

Anderson, K., Finetto, C., Fortune, A., Dellenbach, D. Grattan, E., Hutchison, S., Woodbury ML., (2016) *Matching task difficulty to client ability in post-stroke rehabilitation*. Oral Presentation. Fourth Annual Occupational Therapy Summit of Scholars, Pittsburgh PA., May 21-22.

Grattan, E., Woodbury ML., (2016) *Examining the validity of upper extremity Fugl-Meyer categories*. Oral Presentation. Fourth Annual Occupational Therapy Summit of Scholars, Pittsburgh PA., May 21-22

Hutchison, S., Woodbury ML., (2016) *Survive to Thrive: A PCORI Tier I Project*. Oral Presentation., Fourth Annual Occupational Therapy Summit of Scholars, Pittsburgh PA., May 21-22.

Anderson, K., Callahan, K., Jeffers, E., Stec, B., Pierson, P., Woodbury M.L. (2015), The relationship between self-reported hand use and movement efficiency in individuals with stroke. Research Poster, American Occupational Therapy Annual Conference; Nashville, TN

Anderson, K., Woodbury M., Simpson, A. (2015), How can national survey data be used to inform rehabilitation treatment practice post-stroke? Research Poster, DE-CTR ACCEL Annual Meeting; Charleston, SC.

Anderson, K., Hodges, L., Dukes, P., Hayes, A., Woodbury, ML. (2014) The reality of movement practice: using virtual reality to improve movement function for older adults. Research Poster., South Carolina Aging Research Day, Columbia SC., January 14. \*\*First place, Best Research Poster Overall.

Dukes, P, Hayes A, Hodges LF, Woodbury ML. (2013) *Punching ducks for post-stroke neurorehabilitation: system design and initial clinical feasibility*. 2013 IEEE Symposium on 3D User Interfaces, March 16-17, Orlando, FL, pp. 47-54, DOI:10.1109 \*\* 18% acceptance rate, honorable mention for best paper.

## CONTINUING EDUCATION PRESENTATIONS

Woodbury, ML., Malcolm, M. (February, 2013), *Current Trends in Post-Stroke Upper Extremity Motor Rehabilitation*. 2-Day Workshop (16 CEUs) presented at the South Carolina Occupational Therapy State Conference, Columbia, SC.

Woodbury, ML., Velozo, CA. (November, 2011), *Use of the Upper Extremity Fugl-Meyer for Stroke Treatment Planning*. Workshop (3 CEUs) presented at the FL Occupational Therapy State Conference, St. Augustine FL.

Woodbury, ML (August, 2008) *Intensive Task Practice with Trunk Restraint to Improve Post-Stroke Upper Extremity Movement Quality*. Professional continuing education course for licensed Occupational and Physical Therapists (1 CEU) presented at Shands Rehabilitation Hospital, Gainesville, FL.

Woodbury, ML., (May, 2008) *Applying Evidence from Basic Science to the Design of OT and PT interventions for the Adult Patient with Hemiplegia*. Professional continuing education course for licensed Occupational and Physical Therapists (2 CEUs) taught at Shands Rehabilitation Hospital, Gainesville, FL.

Woodbury ML., Schectman, O., Holt, W., (March, 2008) *The Complete Shoulder*. Professional continuing education course for licensed Occupational and Physical Therapists (15 CEUs) taught at the University of Florida, Department of Occupational Therapy, Gainesville FL.

Woodbury, ML., (October, 2007) *Why Should I Encourage My Patient with Stroke to Become Involved in Rehabilitation Research?* Presentation (1 CEU) to the neurorehabilitation staff of Palatka Memorial Hospital, Outreach for the Brain Rehabilitation Research Center.

Woodbury, ML., Velozo, CA. (November, 2006), *Using Measurement to Support Clinical Competency*. Continuing education workshop (2 CEUs) presented at the University of Florida Occupational Therapy Clinical Educators Meeting, Gainesville FL.

## COURSES TAUGHT

- OT 530 Occupational Therapy for the Neurologic Condition-I (3 cr)
- OT 530L Occupational Therapy for the Neurologic Condition-Lab (2cr)
- OT 561 Research Experience I (1 cr)
- OT 562 Research Experience II (2 cr)
- OT 612 Introduction to Occupational Therapy (2 cr)
- HRS 740-6 Special Topics: Introduction to Motor Control (3 cr)
- HRS 740-9 Special Topics: Translational Journal Club (2 cr)

## **UNIVERSITY SERVICE**

- 2016 College of Health Professions, Curriculum Committee, member
- 2010-present Director Upper Extremity Motor Recovery Research Laboratory
- 2010-present College of Health Professions, Research Council
- 2011-present Guest instructor, MUSC College of Medicine
- 2015-2016 Rehabilitation Research Seminar Series Committee member
- 2015 College of Health Professions Space Committee member
- 2014 Chairperson, Division of Occupational Therapy Faculty Search Committee
- 2013 Department of Health Science Faculty Search Committee member
- 2011-2012 College of Health Professions, Teaching Evaluation Committee member

## **MENTORED POST-DOCTORAL FELLOWS**

- Christian Finetto, PhD, Biomechanical Engineer; 2014 – 2016
- Emily Grattan, PhD, Rehabilitation Science; 2015 - 2017

## **DISSERTATION COMMITTEES**

- Kelly Anderson, OTR/L, Health Science and Rehabilitation Doctoral Program, MUSC (2013-present)
- Scott Hutchison, OTR/L, Health Science and Rehabilitation Doctoral Program, MUSC (2015-present)
- Brian Lengers, OTR/L, Doctorate in Healthcare Administration (2012-2014)

## **PROFESSIONAL CERTIFICATION**

- Licensed Occupational Therapist, State of South Carolina
- Licensed Occupational Therapist, State of Florida
- Registered Occupational Therapist, National Board for the Certification of Occupational Therapists

## **PROFESSIONAL MEMBERSHIPS**

- American Occupational Therapy Association, 1986 – present
- American Congress of Rehabilitation Medicine, 2011 – present
- American Society for Neurorehabilitation Research, 2010 – present

## **PROFESSIONAL SERVICE**

- 2016, October NIH Study Section: Special Emphasis Panel (ZRG1 MOSS K02 SEP)
- 2016, May NIH Review: Tele Review of an NICHD R03 application (ZHD1 DRG-D MN)
- 2014-present Associate Editor: Occupational Therapy Journal of Research
- 2010-present Reviewer: Stroke, Neurorehabilitation and Neural Repair, American Journal of Occupational Therapy, Archives of Physical Medicine and Rehabilitation, Physical Therapy, Journal of Neurological Physical Therapy, Applied Biomechanics, Motor Control, Disability and Rehabilitation.

## **COMMUNITY SERVICE**

- 2016-present Volunteer puppy raiser, Canine Companions for Independence
- 2013-2015 Volunteer puppy raiser, Canine Companions for Independence
- 2012 Founder, Young Stroke Survivors Support Group