SHANA HARRINGTON PT, PhD

Board-Certified Clinical Specialist in Sports Physical Therapy (SCS) Manual Therapy Certified (MTC)

> University of South Carolina Department of Exercise Science Physical Therapy Program Blatt PE Center, 101G Columbia, SC 29208 sharring@mailbox.sc.edu

EDUCATION:

University of Florida, Gainesville, FL

K12-HD055929 Scholar, 2011-2014 National Center for Medical Rehabilitation Research (NICHD), National Institutes of Health Rehabilitation Research Career Development Program.

University of North Carolina, Chapel Hill, NC

Doctor of Philosophy, Interdisciplinary Human Movement Science, 2009 *Dissertation:* Comparison of Shoulder Kinematics, Flexibility, Strength, and Function between Breast Cancer Survivors and Healthy Participants

University of St. Augustine for Health Sciences, St. Augustine, FL Master of Physical Therapy, 2000

University of North Carolina, Chapel Hill, NC

Bachelor of Arts, Physical Education, Exercise and Sport Science, 1998 Graduated with highest honors and distinction *Undergraduate Honor's Thesis*: Comparing Characteristics of Physical Therapy Programs in the State of North Carolina.

LICENSURE:

Licensed Physical Therapist in the states of: Florida (PT19230) and South Carolina (PT8449)

CERTIFICATIONS:

American Board of Physical Therapy Specialties - Sports Certified Specialist (Since 2008, Recertification in 2016) Manual Therapy Certification – University of St. Augustine (Since 2008)

EMPLOYMENT:

ACADEMIC APPOINTMENTS:

Clinical Associate Professor, Physical Therapy Program, Department of Exercise Science. University of South Carolina – Columbia, SC 1/17 - present

Associate Professor, Department of Physical Therapy. Creighton University, Omaha, NE 8/14 – 12/14

Affiliate Faculty, The Center for the Study of Chronic Illness and Disability, George Mason University, Fairfax, VA 01/2015 – 2016

Assistant Professor, Physical Therapy Program, Department of Clinical and Applied Movement Sciences. University of North Florida, Jacksonville, FL 8/10 – 8/14

Courtesy Assistant Professor, Physical Therapy Department. University of Florida, Gainesville, FL 05/11 – 08/14

Visiting Instructor, Physical Therapy Program, Department of Clinical and Applied Movement Sciences. University of North Florida, Jacksonville, FL 8/09 – 7/10

RESEARCH APPOINTMENTS:

Research Collaborator, CHI Health – Omaha, NE: 2014 - 2016

Research Collaborator, Mayo Clinic - Jacksonville, FL: 2011 - 2016

Research Collaborator, NIH Clinical Center, National Cancer Institute and Naval Medical Center. NIH Protocol #02-CC-0044: Morbidity Following the Diagnosis and Treatment of Patients with Breast Cancer and #02-CC-0045: A Prospective (Cohort) Study to Identify Factors Affecting Morbidity Following the Diagnosis and Treatment of Patients with Breast Cancer. Bethesda, MD: 2013 – 2016

RESEARCH MENTORSHIP:

| Graduate Level Stud | Graduate Level Students | | | |
|--|-------------------------|--|--|--|
| Student | Completion Date | Project Title | | |
| Brooks Herring, Fei McMahon, Emma Mitsui | In Progress | Veterans and Adapted Sports | | |
| Kristina Schmidt, Micaela Hoffmann | In Progress | Dry-Needling in Women with Breast Cancer: Case Series | | |
| Jayna Dever, Peyton Kranz, Nick Vanderhoof | In Progress | Impact of Early Rehabilitation in Women Actively Receiving Treatment for Breast Cancer: Comparing Breast Conservation vs Mastectomy | | |
| Adam Lutz | Dec 2019 | The Effect of Patient Financial Liability on Physical Therapy Utilization and Patient Reported Outcomes for Patients with Low Back Pain: An Instrumental Variable Analysis | | |
| Barbara Budak | Dec 2019 | Experience of Chronic Pain in Military Service Members | | |
| Micaela Hoffmann, Kristina Schmidt | Dec 2019 | Dry-Needling in Women with Breast Cancer: Case Series | | |
| Jayna Dever, | Dec 2019 | Impact of Early Rehabilitation in Women Actively Receiving | | |

Graduate Level Students

| Peyton Kranz, Nick Vanderhoof | | | Treatment for Breast Cancer: Comparing Breast Conservation vs Mastectomy |
|---|----------|------|---|
| Alexa Becker, Megan Grogan, Sydney Lovelace | Dec 2019 | | Effectiveness of Early Rehabilitation in Improving Range of Motion, Fatigue and Quality of Life Following a Diagnosis of Breast Cancer |
| Anna Behnke, Kayla Bishop, Susanne Shaw | Dec 2019 | | Does Balance Training Improve Gait Speed, Postural Control, Balance Confidence and Quality of Life in Adults with Cancer Receiving Platinum-Based Chemotherapy? |
| Stephen Bendziewic: Matthew McMillan, Jay Salerno | z, Dec 2 | 2019 | Current Understanding of Injury Prevention and Pain in U.S. ParaSwimming Athletes. |
| Joseph Rodriguez | May 2019 | | Evaluation & Implementation of the Palmetto Health Breast Cancer Wellness Program |
| Marcus Fearing | June | 2017 | Understanding Injury and Injury Prevention Paralympic Sport |
| Corinne Meisel | May | 2012 | Normative Values for Physical Measures in Youth through Collegiate Female Competitive Swimmers |
| Sarah Allard | Aug | 2009 | The Acute Effects of Over the Counter Orthotics on COP, Reflex Latency, Pain, Balance, and Stiffness in Chronically Unstable and Stable Ankles |
| Chris Kuenze | Aug | 2009 | The Effects of Functional Ankle Instability and Induced Fatigue on Ankle Stiffness |
| Ashley Cole | May | 2008 | The Effect of the Spine and Scapula Stabilizing (S3) Brace on Posture and Muscle Activity in Overhead Athletes with Poor Posture |
| Karen Tankersley | May | 2008 | A Validation of Sick Scapula Static Measurements Rating Scale In Overhead Athletes: Prediction of Score From Scapular Kinematic Analysis |
| Michelle McLeod | May | 2007 | The Acute Effect of a Myofascial Release Intervention on Resting Scapular Position |
| M.Will Rondeau | May | 2007 | The Accuracy of the Palpation Meter (PAMS) for Measuring Scapular Position in Overhead Athletes |
| Quinton Sawyer | May | 2006 | Effects of Forward Head Rounded Shoulder Posture on Shoulder Girdle Flexibility, Range of Motion, and Strength |

Undergraduate Level Students

| Student | Completion Date | | Project Title |
|-----------------|--------------------|-------|---|
| Beatrice Mattos | In Pro | gress | Biophysical Agents in Cancer Rehabilitation |
| Christina Lopez | May | 2019 | Anterior Cruciate Ligament (ACL) Tear and Reconstructive Surgery: A Guide to Physical & Mental Recovery and Return to Sport |
| Colleen O'Grady | Dec | 2017 | Biophysical Agent Use in Survivors of Cancer |
| Ashlynn Herold | Dec | 2017 | Biophysical Agent Use in Survivors of Cancer |
| Tessa Leytem | April | 2016 | Assessment of Health-Related Quality of Life in Women Diagnosed with Breast Cancer: Outcomes of Prospective Surveillance |
| Brooke Swinson | May | 2009 | A Ten-Year Comparison of Characteristics of Physical Therapy Programs in the State of North Carolina |

REFEREED JOURNAL PUBLICATIONS:

Harrington SE, Stout NL, Fisher MI, Eden M, Hile E, Marchese VM, Pfalzer CP. Cancer Rehabilitation Publications (2008-2018) With a Focus on Physical Function: A Scoping Review. *Physical Therapy Journal.* 10 February 2020. Doi.org/10.1093/ptj/pzz174

Harrington SE, Katsavelis D, Hoffman J. Measurement of Pectoralis Minor Muscle Length in Women Diagnosed with Breast Cancer: Reliability, Validity and Clinical Application. *Physical Therapy Journal.* 10 February 2020. Doi.org/10.1093/ptj/pzz184

Bujak B, Regan E, Beattie P, **Harrington SE**. The effectiveness of interdisciplinary intensive outpatient programs in a population with diverse chronic pain conditions: A systematic review and meta-analysis. *Pain Manag.* 2019 July:9(4):417-429. Doi:10.2217/mpt-2018-0087. Epub 2019 Jun 25.

Miale S, **Harrington SE,** Brown K, O'Mara K, Braswell A, Cannoy J. Academy of Oncologic Physical Therapy EDGE Task Force on Cancer: A Systematic Review of Outcome Measures for Pain in Children. *Rehabilitation oncology*. 2019;37(2):47-54.

Harrington SE, Gilchrist L, Lee J, Westlake FL, Baker A. Oncology Section EDGE Task Force on Cancer: A Systematic Review of Clinical Measuers for Pain. *Rehabilitation oncology*. 2018;36(2):83-92.

Alappattu M, **Harrington S**, Hill A, Roscow A, Jeffrey A. Oncology Section EDGE Task Force on Cancer: A Systematic Review of Patient-Reported Measures for Sexual Dysfunction, *Rehabilitation oncology.* 2017;35(3):137-143.

Jeffrey A, **Harrington S**, Hill A, Roscow A, Alappattu M. Oncology Section EDGE Task Force on Urogenital Cancer: A Systematic Review of Clinical Measures for Incontinence, *Rehabilitation oncology.* 2017;35(3):130-136.

Harrington S, Lee J, Colon G, Alappattu M. Oncology Section EDGE Task Force on Prostate Cancer: A Systematic Review of Outcome Measures for Health-Related Quality of Life. *Rehabilitation oncology.* 2016;34(1):27-35.

Tate A, **Harrington S**, Buness M, Murray S, Trout C, Meisel C. Investigation of In-Water and Dry-Land Training Programs for Competitive Swimmers in the United States. *Journal of sport rehabilitation*. 2015;24(4):353-362.

Harrington SE, Miale S, Ebaugh D. Breast Cancer EDGE Task Force Outcomes: Clinical Measures of Quality of Life. *Rehabilitation oncology.* 2015;33(1):5-15.

Stout NL, **Harrington SE**, Pfalzer LA, Fisher MI. Breast Cancer Rehabilitation. *Topics in Geriatric Rehabilitation*. 2015;31(4):258-272.

Harrington S, Meisel C, Tate A. A cross-sectional study examining shoulder pain and disability in Division I female swimmers. *Journal of sport rehabilitation.* 2014;23(1):65-75.

Livingston B, Lundy M, **Harrington S**. Physical therapy students' perceptions of team-based learning in gross anatomy using the Team-Based Learning Student Assessment Instrument. *Journal of educational evaluation for health professions*. 2014;11:1.

Harrington S, Michener LA, Kendig T, Miale S, George SZ. Patient-reported upper extremity outcome measures used in breast cancer survivors: a systematic review. *Archives of physical medicine and rehabilitation*. 2014;95(1):153-162

Harrington S, Gilchrist L, Sander A. Breast Cancer EDGE Task Force Outcomes: Clinical Measures of Pain. *Rehabilitation oncology.* 2014;32(1):13-21.

Harrington S, Padua D, Battaglini C, Michener LA. Upper extremity strength and range of motion and their relationship to function in breast cancer survivors. *Physiotherapy theory and practice*. 2013;29(7):513-520.

Miale S, **Harrington S**, Kendig T. Oncology Section Task Force on Breast Cancer Outcomes: clinical measures of upper extremity function. *Rehabilitation oncology*. 2013;31(1):27-34.

Cole AK, McGrath ML, **Harrington SE**, Padua DA, Rucinski TJ, Prentice WE. Scapular bracing and alteration of posture and muscle activity in overhead athletes with poor posture. *Journal of athletic training.* 2013;48(1):12-24.

Rondeau MW, Padua DA, Thigpen CA, **Harrington SE.** Precision and validity of a clinical method for pectoral minor length assessment in overhead-throwing athletes. *Athletic Training and Sports Health Care.* 2012;4:67-72.

Harrington S, Padua D, Battaglini C, et al. Comparison of shoulder flexibility, strength, and function between breast cancer survivors and healthy participants. *Journal of cancer survivorship : research and practice*. 2011;5(2):167-174

http://www.ncbi.nlm.nih.gov/sites/myncbi/1BAWVjDyEM9AO/bibliography/41852512/public/?so rt=date&direction=ascending

MANUSCRIPTS UNDER REVIEW IN REFEREED JOURNALS:

Lutz AD, Windsor BA, Denninger TR, Shanley E, **Harrington SE**, Thigpen CA. A Comparison of Treatment Signatures of High and Low Performing Physical Therapists for Patients with Lower Back Pain: Analysis of Spine Care from a Physical Therapy Outcomes Registry. Spine J.

MANUSCRIPTS IN PROGRESS:

Harrington SE, Fearing M. Understanding Injury and Injury Prevention in U.S. Paraswimming, Para-athletics and para-cycling Athletes.

Harrington SE, Mattos, B, Herold A, O'Grady C. Biophysical Agent Use in Survivors of Cancer: A Systematic Review

Salerno J, Bendziewicz S, McMillan M, Regan E, Tow S, **Harrington SE**. Current Understanding of Injury Prevention and Pain in U.S. ParaSwimming Athletes.

BOOK CHAPTERS:

Beam JW. Orthopedic Taping, Wrapping, Bracing, and Padding. Second Edition. F.A. Davis Company Publishers, Philadelphia, PA. ISBN: 978-0-8036-2558-7. October 2011. Supplemental Content, **Harrington S.** Student Resources: Kinesiotaping Overview

RESEARCH EDITORIAL COLUMN

Harrington SE, Fisher MI. Research Round-up. Screening and Assessment for Cancer Rehabilitation. *Rehabilitation Oncology*. 2018;36(2):141-142

Pfalzer L, Stout N, **Harrington S,** Fisher M. Research Round-up. *Rehabilitation Oncology*. 2017;35(2):99-101.

Harrington, SE, Gilchrist L Research Round-up. *Rehabilitation Oncology*. 2016;34(4):156-157. doi: 10.1097/01.REO.000000000000032

Hile E, **Harrington, SE** Research Round-up. *Rehabilitation Oncology*. 2016;34(1):48. doi: 10.1097/01.REO.0000475665.83280.ca

Fisher MI, **Harrington, SE** Research Round-up. *Rehabilitation Oncology*. 2015;33(3). **Harrington, S** Research Round-up. *Rehabilitation Oncology*. 2015;33(2). Supplemental material.

Harrington, S Research Round-up. *Rehabilitation Oncology*. 2015;33(1). Supplemental material.

Harrington, S Research Round-up. *Rehabilitation Oncology*. 2014;32(4):52. Accession Number: 2012772323

Harrington, S Research Round-up. *Rehabilitation Oncology*. 2014;32(3):57. Accession Number: 2012673723

Harrington, S Research Round-up. *Rehabilitation Oncology*. 2014;32(1):39. Accession Number: 20120466173

Harrington, S. Research Round-up. *Rehabilitation Oncology*. 2013;31(4):36. Accession Number: 2012407014

Harrington, S Research Round-up. Rehabilitation Oncology. 2013;31(3):31.

http://www.oncologypt.org/publications/rehabilitation-oncology-journal/volumes/31/31-3-Rehabilitation-Oncology-Journal.pdf

Harrington, S. Research Round-up. *Rehabilitation Oncology*. 2013;31(2):23. http://www.oncologypt.org/publications/rehabilitation-oncology-journal/volumes/31/31-2-Rehabilitation-Oncology-Journal.pdf

PEER REVIEWED SCIENTIFIC & PROFESSIONAL PRESENTATIONS:

Harrington S.E, Fisher M.I., Cohn J.C., Lee J.Q., Malone D.J. An Understanding of Stakeholders Knowledge Related to Cancer-Related Fatigue Poster to be presented at the International Conference on Physical Therapy in Oncology. May 2020. Copenhagen, Denmark

Fisher M.I., Cohn J.C., **Harrington S.E.**, Lee J.Q., Malone D.J. Clinical Practice Guidelines for the Screening and Assessment of Cancer-Related Fatigue Educational session presented at the American Physical Therapy Association Combined Sections Meeting. February 2020. Denver, CO

Ness K.K., Barnes C., **Harrington S.E.**, Campbell K., Flores, A.M. Physical Therapy Oncology Care: Systemic Influences, Implementation, Cost and the Need for More Research Educational session presented at the American Physical Therapy Association Combined Sections Meeting. February 2020. Denver, CO

Behnke A.D., Gibbs K., Jensen S.S., Stewar, J.C., Westlake F.L., **Harrington S.E.** Comparing Functional Assessment in Those with CIPN vs. Community Dwelling Older Adults Platform presented at the American Physical Therapy Association Combined Sections Meeting. February 2020. Denver, CO

Salerno, J., Bendziewicz S, McMillan M, Regan E, Tow S, **Harrington SE**. Platform presented at the American Physical Therapy Association Combined Sections Meeting. February 2020. Denver, CO

Becker, A.M., Vanlandingham, S., Grogan, M.M., McGowan, M.H., **Harrington, S.E.** (2019) Impact of Early Rehabilitation in Women Actively Receiving Treatment for Breast Cancer. Rehabilitation Oncology.

Poster presented at the American Physical Therapy Association Combined Sections Meeting. February 2020. Denver, CO

Rabalais, M.P., Arnot, C. F., **Harrington, S.E.,** Way, A.R., Lafferty, CI, Vaudo, KI, Rhone, S.A., Geary, M.D., Tyler, K.E. The Effects of Dry Needling and Thoracic Manipulation on Shoulder Impingement Syndrome.

Poster presented at the American Physical Therapy Association Combined Sections Meeting. February 2020. Denver, CO

Bujak, B.K., Blake, C.E., Beattie, P.F., **Harrington, S.E**., Monroe, C.M., Wilkie, D.J., Earwood, M.E. Interdisciplinary Treatment for Persistent Pain Is Associated with Improved Patient Activation and Key Outcome Measures.

Poster presented at the American Physical Therapy Association Combined Sections Meeting. February 2020. Denver, CO

Bujak BK, Monroe CM, Blake CE, Beattie PB, **Harrington S.** Feasibility and Acceptability of Ecological Momentary Assessment of U.S. Military Service Members' Persistent Pain and Psychosocial Well-Being During an Intensive Outpatient Pain Program. Poster presented at the AMSUS Federal Meeting. December 2019. National Harbor, MD

Lopez C, **Harrington SE**. Anterior Cruciate Ligament (ACL) Tear and Reconstructive Surgery: A Guide to Physical and Mental Recovery and Return to Sport. Poster presented at USC Discover Day. April 25, 2019.

Harrington SE, Fisher M, Hile E, Marchese V, Stout N Scoping Review on the Current State of Research for Cancer Rehabilitation Educational session presented at the American Physical Therapy Association Combined Sections Meeting. January 2019. Washington DC.

Fisher MI, **Harrington SE**, Lee J, Malone D, Cohn J. Cancer-Related Fatigue Clinical Practice Guideline Development – An Update

Platform presentation at the American Physical Therapy Association Combined Sections Meeting. January 2019. Washington DC.

Lutz AD, Shanley E, Denninger T, **Harrington S**, Thigpen CA. High Performing Physical Therapists Consistently Use Skilled Interventions for Patients with Low Back Pain Despite Baseline Disability.

Platform presentation at the American Physical Therapy Association Combined Sections Meeting. January 2019. Washington DC.

Pogge M, **Harrington S**, Henkin K. Learning through Adaptive Sports: Physiacl Therapy Students' Service-Learning Experience with Veterans who are Disabled. Poster presentation at the American Physical Therapy Association Combined Sections Meeting. January 2019. Washington DC. Awarded a blue ribbon through the Global Health SIG for commitment to social responsibility.

Cole B, **Harrington SE**, Miale S. Evaluating Clinical Pain Assessments for Children and Adolescents Diagnosed with Cancer. Poster presented at Discover USC. April 24, 2018.

Herold A, O'Grady C, **Harrington SE.** Biophysical Agent Use in Individuals Diagnosed with Cancer: IS it Safe at Reducing Pain? Poster presented at Discover USC. April 24, 2018.

Foley SL, **Harrington SE**, Katsevalis D, Hoffman J. Measurement of Pectoralis Minor Muscle Length in Women Diagnosed with Breast Cancer: Reliability and Clinical Application Platform Presentation at the American Physical Therapy Association Combined Sections Meeting. February 2018. New Orleans LA.

Harrington SE, Miale S, Brown K, O'Mara K, Braswell A, Cannoy J. Oncology Section EDGE Task Force: Clinical Measures of Pain for the Pediatric Population Platform Presentation at the American Physical Therapy Association Combined Sections Meeting. February 2018. New Orleans LA. Stout N, **Harrington S**, Fisher M. Prospective Surveillance Model. Oral presentation at the American Congress of Rehabilitation Medicine Annual Conference, October 2017. Atlanta GA.

Fearing M, **Harrington S**. Understanding Injury and Injury Prevention in Paralympic Sport. *Poster presentation at the Annual Meeting, World Congress on Exercise is Medicine, and World Congress on the Basic Science of Exercise and the Brain of the American College of Sports Medicine, June 2017, Denver CO.*

Fisher MI, Gilchrist L, **Harrington SE.** Oncology EDGE Task Force: Measures of Pain and Fatigue in Cancer.

Education session presented at the American Physical Therapy Association Combined Sections Meeting, February 2017, San Antonio TX.

Harrington SE, George SZ. Assessment of Pain, Pain Related Fear and Pain Catastrophizing in Women Diagnosed with Breast Cancer: Outcomes of Prospective Surveillance. *Platform presentation at the American Physical Therapy Association Combined Sections Meeting, February 2017, San Antonio TX.*

Harrington SE, Fisher MI, Gilchrist L. Recommendations for Outcome Measure Use in Oncology Rehabilitation: The Evaluation Database to Guide Effectiveness (EDGE) *Education session presented at the American Congress of Rehabilitation Medicine Annual Conference, October 2016, Chicago IL.*

Hickey-Lucas K, **Harrington SE**, Moen E. Be Healthy! A Guide to Endurance Sports and Recreational Activities for Individuals with Disabilities *Education session presented at the American Physical Therapy Association NEXT Conference, June 2016, Nashville TN.*

Harrington SE, Fisher MI, Levy EW, Stout NL, Gerber NL, Pfalzer LA. Cluster Impairments in Women Diagnosed with Breast Cancer within a Prospective Surveillance Model. *Platform presentation at the American Physical Therapy Association Combined Sections Meeting, February 2016, Anaheim CA.*

Fisher MI, Levy EW, **Harrington SE**, Stout NL, Gerber NL, Pfalzer LA. Screening and Examination for Early Identification of Shoulder Impairment in a Prospective Surveillance Model for Women with Breast Cancer.

Platform presentation at the American Physical Therapy Association Combined Sections Meeting, February 2016, Anaheim CA.

Grindstaff TL, **Harrington S**, Palimenio MR, Givens DL. Beyond Arthrogenic Muscle Inhibition as the Cause of Lower Quadriceps MVIC in Persons with Knee OA. *Platform presentation at the American Physical Therapy Association Combined Sections Meeting, February 2016, Anaheim CA.*

Givens DL, Barr JB, Gale JR, **Harrington S**, Palimenio MR, Grindstaff TL. Sensorimotor Impairments and Functional Performance in People with Knee Osteoarthritis Support the "Trait" Hypothesis.

Platform presentation at the American Physical Therapy Association Combined Sections Meeting, February 2016, Anaheim CA. Anderson MA, **Harrington SE**, Schuemann TL, Springer B. Management of the Physically Challenged Athlete: The Role of the Physical Therapist.

Oral presentation at the American Physical Therapy Association Combined Sections Meeting, February 2016, Anaheim CA.

Harrington SE, Fisher MI, Levy EW, Pfalzer LA, Stout NL, Gerber NL, Pfalzer LA. Breast Cancer Survivors' Pectoralis Minor Length: Outcomes of Prospective Surveillance. *Oral session presented at the 2015 American Congress of Rehabilitation Medicine Annual Conference, October 2015. Dallas TX.*

Harrington SE, Fisher MI, Levy EW, Pfalzer LA, Stout NL, Gerber NL, Pfalzer LA. Breast Cancer Survivors' Self-Reported Symptoms and Limitations in Activities and Participation: Outcomes of Prospective Surveillance.

Oral session presented at the 2015 American Congress of Rehabilitation Medicine Annual Conference, October 2015. Dallas TX.

Harrington SE, Michener LA. Patient-Reported Upper Extremity Outcome Measures Used in Breast Cancer Survivors: A Review Oral session presented at the American Society of Shoulder & Elbow Therapists Annual Conference. October 2015. Asheville NC.

Harrington SE, George SZ. Assessment of Pain, Pain Related Fear and Pain Catastrophizing in Women Diagnosed with Breast Cancer: Outcomes of Prospective Surveillance *Poster presentation at the American Physical Therapy Association Section on Research Retreat. July 2015. Smithfield, RI.*

Fisher MI, Pfalzer LA, Levy EW, **Harrington SE**, Gerber NL, Stout N. A Comparison of Scapular Flip Test Between Women with Breast Cancer and Healthy Controls. *Poster presentation at the World Federation for Physical Therapy Congress 2015, Singapore.*

Fisher MI, Pfalzer LA, Levy EW, **Harrington SE**, Gerber NL, Stout N. A Comparison of the Upper Limb Lift Test Between Women with Breast Cancer and Healthy Controls. *Poster presentation at the World Federation for Physical Therapy Congress 2015, Singapore.*

Alappattu M, **Harrington S**, Pfalzer C. Current Evidence for Use of Physical Agents in Rehabilitation Oncology: Fact vs. Fiction.

Oral session presented at the American Physical Therapy Association Combined Sections Meeting, February 2015, Indianapolis, IN.

Davies C, Fisher M, **Harrington S**, Pfalzer C. Oncology Section Edge Task Force on Prostate Cancer Outcomes: Clinical Measures of Muscle Endurance and Functional Mobility and Quality of Life.

Oral session presented at the American Physical Therapy Association Combined Sections Meeting, February 2015, Indianapolis, IN.

Lundy M, **Harrington S.** Influence of Service-Learning on Physical Therapy Students Immersed in Adaptive Sport for Military Veterans.

Presented at the Scholars Transforming Academic Research Symposium (STARS), April 2014, University of North Florida.

Harrington S, Lundy M. Influence of Service-Learning on Physical Therapy Students Immersed in Adaptive Sport for Military Veterans.

Presented at the 2014 Gulf-South Summit on Service-Learning and Civic Engagement through Higher Education, March 2014, Auburn, AL.

Harrington S, McLaughlin S, George SZ. Prospective Assessment of Upper Extremity ROM, Strength, Function and Quality of Life in Women Diagnosed with Breast Cancer. *Presented at the American Physical Therapy Association Combined Sections Meeting, February 2014, Las Vegas, NV.*

Harrington S, Lundy M. Influence of Service-Learning on DPT Students Immersed in Adaptive Sport for Military Veterans

Presented at the American Physical Therapy Association Combined Sections Meeting, February 2014, Las Vegas, NV.

Drouin J, Fisher M, **Harrington S**, Miale S, Morris S. Oncology Section Edge Task Force on Breast Cancer Outcomes: Clinical Measures of Strength, Endurance and Quality of Life in Individuals Treated for Breast Cancer - A review of available assessment and outcome measures and their psychometric properties.

Presented at the American Physical Therapy Association Combined Sections Meeting. February 2014

Tate A, **Harrington S**, Trout C, Murray S, Buness M, Meisel C. Survey Investigates Pool and Dry Land Training Programs for Competitive Youth, High School, College and Masters Swimmers.

Presented at the American Physical Therapy Association Combined Sections Meeting, February 2014, Las Vegas, NV.

Lundy M, Livingston B, **Harrington S.** Quantitative Assessment of the Attitudes of Physical Therapy Students towards Team-Based Learning in a Gross Anatomy Course. *Presented at the American Physical Therapy Association Combined Sections Meeting, February 2014, Las Vegas, NV.*

Meisel C, Hutchinson B, Mulligan I, Boland M, **Harrington S**. Can Patient Rated Outcome Measures Predict Shoulder Impairments in Female Collegiate Swimmers? *Journal of Orthopedic & Sports Physical Therapy*, 2014;44(1):A51 *Presented at the American Physical Therapy Association Combined Sections Meeting*, *February 2014, Las Vegas, NV*.

Tate A, **Harrington S**, Trout C, Murray S, Buness M, Meisel C. Survey Investigates Pool and Dry Land Training Programs for Competitive Youth, High School, College and Masters Swimmers.

Research presentation at the 21st Annual Meeting of the American Society of Shoulder and Elbow Therapists. Las Vegas, NV.

Harrington S, Pfalzer L, Levy E, Fisher M, Stout N. Patient-Reported Outcomes in Women With and Without Subclinical and Clinical Lymphedema.

Presented at the 24th Congress of the International Society of Lymphology. September 2013. Rome, Italy.

Fisher M, Pfalzer L, Levy E, **Harrington S,** Stout N. Baseline Characteristics of the Upper Limb Lift Test among Women Newly Diagnosed with Breast Cancer. *Presented at the 24th Congress of the International Society of Lymphology. September 2013. Rome, Italy.*

Alappattu M, **Harrington S,** Sluka K. Why is Cancer Such a Pain? *Presented at the American Physical Therapy Association Combined Sections Meeting, January 2013*

Gilchrist L, Doherty D, **Harrington S**, Perdomo M, Ryans K. Oncology Section Task Force on Breast Cancer Outcomes: Clinical Measures of Pain, Fatigue, and Lymphedema in Individuals Treated for Breast Cancer.

Presented at the American Physical Therapy Association Combined Sections Meeting, January 2013

Harrington S, Michener LA, Isley AL, George SZ. Acute Effects of Breast Cancer Surgery on Shoulder Function, Quality of Life, Range of Motion and Strength. *Presented at the American Society of Shoulder & Elbow Therapists Annual Conference. October 2012. Sea Island, GA.*

Harrington S, Tate A, Meisel C. Risk Factors Associated with Shoulder Pain in High School and Division 1 Female Swimmers. *Journal of Orthopedic & Sports Physical Therapy*, 2012;42(1):A43.

Presented at American Physical Therapy Association Combined Sections Meeting, February 2012, Chicago, IL.

Tate A, **Harrington S**, Turner G, Knab S, Meisel C. Normative Values for Physical Measures in Youth Through Collegiate Female Competitive Swimmers. *Journal of Orthopedic & Sports Physical Therapy*, 2012;42(1):A115.

Presented at American Physical Therapy Association Combined Sections Meeting, February 2012, Chicago, IL.

Harrington S, Padua DA, Battaglini CL, Michener LA, Myers J, Guiliani C. Comparison of Scapular Kinematics between Breast Cancer Survivors and Healthy, Age Matched Participants. *Rehabilitation Oncology*, 2011;29(1):23 *Presented at American Physical Therapy Association Combined Sections Meeting, February* 2011, New Orleans, LA.

Harrington S, Padua DA, Battaglini CL, Michener LA, Groff D. Comparison of Shoulder ROM, Strength, and Function between Breast Cancer Survivors and Healthy, Age Matched Participants. *Rehabilitation Oncology*, 2010;28(1):32 *Presented at American Physical Therapy Association Combined Sections Meeting, February* 2010, San Diego, CA.

Harrington S, Thigpen CA, Padua DA. Shoulder Strength and Function in Subjects With and Without Forward Head Rounded Shoulder Posture. *Journal of Orthopedic & Sports Physical Therapy*, 2009;39(1):A33.

Presented at American Physical Therapy Association Combined Sections Meeting, February 2009, Las Vegas, NV.

Harrington S, Thigpen CA, Battaglini CL, Groff D, Padua DA. Effects of a 6-Month Rehabilitation Program on Function, Strength, Quality of Life, and Range of Motion in Breast Cancer Survivors. *Rehabilitation Oncology*, 2009;27(1):23.

Presented at American Physical Therapy Association Combined Sections Meeting, February 2009, Las Vegas, NV.

Harrington S, McLeod M, Prentice W, Padua D. The Acute Effect of a Myofascial Release Intervention on Resting Scapula Position and Three Dimensional Scapula Kinematics. *Journal of Athletic Training*, 2009;44(3):S12.

Presented at National Athletic Trainers' Association Annual Clinical Meeting and Symposia, June 2009, San Antonio, TX.

Cole AK, Prentice WE, McGrath M, **Harrington S.** The Effect of the Spine and Scapula Stabilization (S3) Brace on Posture and Muscle Activity in Overhead Athletes with Poor Posture. *Journal of Athletic Training*, 2009;44(3):S12.

Presented at National Athletic Trainers' Association Annual Clinical Meeting and Symposia, June 2009, San Antonio, TX.

Harrington S, Thigpen CA, Michener LA, Battaglini CL, Groff D, Padua DA. Shoulder Impairments and Shoulder Function in Breast Cancer Survivors. *Rehabilitation Oncology*, 2008;26(1)

Presented at American Physical Therapy Association Combined Sections Meeting, February 2008, Nashville, TN.

Rondeau W, **Harrington S**, Prentice W, Padua D. The Accuracy of the Palpation Meter (PALM) for Measuring Scapular Position in Overhead Athletes. *Journal of Athletic Training*, 2008;43(3):S100. Received the Master's Poster Presentation Award from the NATA Research and Education Foundation.

Presented at National Athletic Trainers' Association Annual Clinical Meeting and Symposia, June 2008, St. Louis, MO.

Harrington S, Thigpen CA, Padua DA. Effects of an 8-Week Home Exercise Program on Forward Head Rounded Shoulder Posture. *Journal of Orthopedic & Sports Physical Therapy*, 2007;37(1):A49.

Presented at American Physical Therapy Association Combined Sections Meeting, February 2007, Boston, MA.

INVITED PRESENTATIONS:

Harrington, SE, Dussiliere, J, Boarman, B, Cramer, M, Fay, DR. To be presented at the American Physical Therapy Association Combined Sections Meeting, February 2020, Denver, CO.

Harrington SE. What Physical Therapists Need to Know to Treat a Patient with Cancer: Applying the Current Evidence. March 2019, Kettering OH

Harrington SE. Paraswimming Classification, United States Olympic and Paralympic Committee. Colorado Springs, CO. February 1-2, 2019.

Harrington SE, Stout NL. Oncology Rehabilitation. Brooks Rehabilitation Institute of Higher Learning. February 2018, Jacksonville FL

Harrington SE. "Biopsychosocial Model of Pain for Rehabilitation". Carolinas Health System Therapy Grand Rounds. November 2017

Harrington SE. "Rehabilitation for Cancer Patients". University of South Carolina College of Nursing Cancer Survivorship Center Research Seminar. October 2017

Harrington SE, What Physical Therapists Need to know to Treat a Patient with Cancer: Applying the Current Evidence. University of Kentucky College of Health Sciences. May 2017, Lexington KY

Harrington SE, Tuohy S, Westlake F. "Demystifying the patient with cancer – Using the evidence to provide outpatient physical therapy." Presented at the American Physical Therapy Association Combined Sections Meeting, February 2017, San Antonio TX.

Harrington SE, Stout NL. Oncology Rehabilitation. Brooks Rehabilitation Institute of Higher Learning. January 2017, Jacksonville FL

Harrington S. "Youth Paratriathlon Development and Paratriathlon Classification." USA Triathlon Medical Multisport Conference, November 2015

Harrington SE. "Cancer Rehabilitation". Creighton University Doctor of Physical Therapy Program Capstone Course, May 2015

Harrington S. "Orthopaedic Considerations for Breast Cancer Survivors." Florida Physical Therapy Association Northern District Super Meeting, April 2013

Harrington S. *"Assessment of Quality of Life, Function, and Impairments in Breast Cancer Survivors."* University of Florida Rehabilitation Research Seminars. October 2012

Harrington S. *"Upper Extremity Impairments Resulting from Cancer Treatment – How Rehabilitation Can Help."* Memorial Sloan Kettering Cancer Center Rehabilitation Medicine Service's Rehabilitation Medicine Grand Rounds. August 2012

Harrington S, Levy E. *"Active Against Cancer: Examination and Management of Soft Tissue Restriction and Upper Quadrant Impairments."* American Physical Therapy Association Annual Conference (PT 2012). June 2012

IN REVIEW GRANT ACTIVITY:

CURRENT/ACTIVE RESEARCH ACTIVITY:

Cancer Care Delivery Research Seed Grant. Health Science Center at PRISMA Health. \$20,000. Implementation of a Prospective Surveillance Rehabilitation Model for Women with Breast Cancer – A Randomized Controlled Trial. April 1, 2020 – March 31, 2021 Role: Principal Investigator

PREVIOUS RESEARCH ACTIVITY:

Advanced Support Program for Innovative Research Excellence (ASPIRE), Track II-A. University of South Carolina. \$10,000. Early Rehabilitation Program within a Regional Health System for Women with Breast Cancer to Improve Upper Extremity Strength, Arm Volume, Upper Extremity Function and Pain: A Pragmatic Clinical Trial. Role: Principal Investigator

The Dr. George F. Haddix President's Faculty Research Fund 2014– Creighton University. \$15,000.

Measurement of Pectoralis Minor Muscle Length in Women Diagnosed with Breast Cancer: Reliability, Validity and Clinical Application. Role: Principal Investigator

Nebraska Physical Therapy Association George Blanton Research Grant. \$5,000. Physical Therapy Student Immersion with Injured Military Veterans through Sport Role: Principal Investigator

UNF Dean's Research Professorship 2012, \$54,000. A Longitudinal Investigation of Upper Extremity, Function, Quality of Life, and Upper Quadrant Pain in Women Undergoing Surgery for Breast Cancer. (Funded) Role: Principal Investigator

2014-2015 UNF Transformational Learning Opportunity Grant: \$5,000. Physical Therapy Student Immersion with Injured Military Veterans through Sport (Funded) Role: Co-Principal Investigator

Institution Research Grant #01-188-07. American Cancer Society Chris DiMarco Institutional Grant 2013. \$30,000. A Longitudinal Investigation of Physical and Psychosocial Quality of Life in Early Stage Breast Cancer Patients Undergoing Intra-Operative Radiation (Intrabeam) Compared to Whole Breast Radiation Treatment. (Funded) Role: Co-Principal Investigator

2013-2014 UNF Transformational Learning Opportunity Grant: \$6,600. Physical Therapy Student Immersion with Injured Military Veterans through Sport (Funded) Role: Co-Principal Investigator

2012-2013 UNF Transformational Learning Opportunity Grant: \$5,000. Bringing Normalcy to Wounded and Injured Warriors Through Sports (Funded) Role: Co-Principal Investigator

K12-HD055929 (Ottenbacher, PI). \$275,021

National Center for Medical Rehabilitation Research (NICHD), National Institutes of Health Rehabilitation Research Career Development Program.

The goal of this program is to prepare Scholars, trained Physical Therapists and Occupational Therapists to initiate successful and independent careers as rehabilitation researchers. (Funded)

Role: Scholar (May 1, 2011 – August 31, 2014)

US Women and Girls Health Initiative Research Grant 2010. \$5,000. Effects of Type of Surgical Procedure on Upper Extremity Function, Strength, Shoulder Range of Motion, and Glenohumeral Joint Mobility in Breast Cancer Survivors – A Pilot Study. (Funded) Role: Principal Investigator

NOT FUNDED RESEARCH ACTIVITY:

Oncology Section Research Grant. \$5,000. Evaluating the Diagnostic Usefulness of Clinical Tools to Assess Chemotherapy Induced Peripheral Neuropathy (CIPN) in Women Diagnosed with Breast and Gynecologic Cancers. Role: Co-Investigator

LB595 Cancer and Smoking Disease Research Program Development Grant – Creighton University. \$101,124. Implementation of a Prospective Surveillance Rehabilitation Model within a Regional Health System. Role: Principal Investigator

Department of the Army- USAMRAA; Department of Defense Peer Reviewed Medical Clinical Trial Award. \$1,525,770.00. Aggressive Strengthening to Modify Corticomotor Plasticity and Jumping Performance Following ACL Reconstruction. Role: Co-Investigator

LB595 Cancer and Smoking Disease Research Program Development Grant – Creighton University. \$81,803. Implementation of a Prospective Surveillance Rehabilitation Model within a Regional Health System. Role: Principal Investigator

National Institute of Health – Academic Research Enhancement Award (R15 AR067488-01) \$432,925. Modifying Corticospinal Contributions of Quadriceps Weakness Following Knee Injury.

Role: Co-Investigator

Sports Physical Therapy Legacy Grant. \$5,000. Physical Therapy Student Immersion with Injured Military Veterans through Sport Role: Principal Investigator

Boston Rehabilitation Outcomes Center – Pilot Study Application. Patient Reported Functional Outcomes in Women Diagnosed with Breast Cancer. \$30,000 (Not Funded) Role: Principal Investigator

American Cancer Society – Pilot and Exploratory Projects in Palliative Care of Cancer Patients and Their Families. A Prospective Investigation of Pain, Psychosocial Factors, and Quality of Life in Adolescents with Sarcoma – A Pilot Study. \$120,000. (Not Funded) Role: Principal Investigator

National Institute of Health – Bench to Bedside (B2B) Program. Innovative Model to Identify Rehabilitation Needs after Breast Cancer, 2013. \$270,000. (Not Funded) Role: Co-Principal Investigator

UF Pain Research and Intervention Center of Excellence & UF Shands Cancer Center Seed Grants for Research on Cancer-Related Pain. 2012, \$50,000. A 1 year investigation of Psychosocial Factors, Quality of Life and Pain in Children Diagnosed with Blood or Solid

Curriculum Vitae, page 17

Malignancy Cancer and Parental Influence on These Factors. (Not Funded) Role: Co-Principal Investigator

MEMBERSHIP IN PROFESSIONAL SOCIETIES:

American Physical Therapy Association (APTA): 1998-present South Carolina Physical Therapy Association American Society of Shoulder and Elbow Therapists (ASSET) 2008-2018 American Congress of Rehabilitation Medicine: 2015-present Phi Beta Kappa Society (1998 – present) Golden Key National Honor Society (1997-present)

COMMUNITY SERVICE:

International Paralympic Committee – International Swimming Medical Classifier Level 2 (2010-present), Trainee (2007-2009)

- World ParaSwimming Series, Indianapolis, Indiana, April 2018
- IPC ParaSwimming Seminar, Italy, November 2017
- Winter CanAm Open Swimming Championships, Bismark, North Dakota, December 2015
- Winter CanAm Open Swimming Championships, Edmonton, Canada, December 2014
- Swimming Classification Working Group, Bonn, Germany, May 2013
- GTAC Disability Open, Cincinnati, OH, May 2012
- Danish Open, Esbjerg, Denmark (Chief Classifier), March 2012
- European Paralympic Swimming Championships, Berlin, Germany, July 2011
- Arafura Games, Darwin, Australia (Chief Classifier & Swimming Educator), May 2011
- Spring CanAm Open Swimming Championships, Minneapolis, MN, April 2011
- Asian Paralympic Games, Guangzhou China, December 2010
- Greek Nationals, Athens, Greece, June 2010 (Level 1, promoted to Level 2)
- Eurowaves, Chomutov, Czech Republic, June 2009 (Level 1)

International Paralympic Committee – Swimming Educator (2011 – 2017)

International Triathlon Union – Paratriathlon Medical Classifier (2014 - present)

- CAMTRI Triathlon American Championships, Sarasota FL, March 2018
- CAMTRI Triathlon American Championships, Sarasota FL, March 2017
- ITU Paratriathlon World Championships, Chicago, IL, September 2015
- Detroit World Paratriathlon Event, Detroit, MI, August 2015
- CAMTRI Triathlon American Championships, Monterrey, Mexico, May 2015
- ITU Paratriathlon World Championships, Edmonton, Canada, August 2014
- ITU World Paratriathlon Event, Chicago, IL, June 2014
- Dallas PATCO PanAmerican Championships, Dallas, TX, May 2014

Head of Domestic (United States) Classification – Paratriathlon (2014 – present) Domestic Paralympic Medical Classifier (2007-present)

- ASL-Fred Lamback Disability Meet, Augusta, GA Swimming, October 2018
- USA Paratriathlon National Championships, Pleasant Prairie, WI Triathlon, June 2018
- ASL-Fred Lamback Disability Meet, Augusta, GA Swimming, October 2017
- USA Paratriathlon National Championships, Pleasant Prairie, WI Triathlon, June 2017
- USA Paratriathlon National Championships, Santa Cruz, CA Triathlon, August 2016
- Nantucket Paratriathlon, Nantucket, MA Triathlon, July 2015
- Jimi Flowers Classic, Colorado Springs, CO Swimming, June 2015
- USA Paratriathlon National Championships, Austin, TX Triathlon, May 2015
- USA Paratriathlon National Championships, Tempe, AZ Triathlon, September 2014
- Santa Clara Swim Club Disability Meet, Santa Clara, CA Swimming, September 2013
- Jimi Flowers Classic, Colorado Springs, CO Swimming, June 2013

- US Para-Triathlon National Championships, Austin, TX Triathlon, May 2013
- ASL-Fred Lamback Disability Meet, Augusta, GA Swimming, October 2012
- US Para-Triathlon National Championships, Austin, TX Triathlon, May 2012
- US Para Cycling Road Nationals, Augusta, GA Cycling, June 2011
- Endeavor Games, Edmond, OK Swimming, June 2008, 2011 & 2017 (Chief Classifier)
- GTAC Disability Open, Cincinnati, OH Swimming, May 2010
- Lakeshore Meet, Birmingham, AL Swimming, June 2010
- National Junior Disability Championships, Chicago, IL Swimming, July 2010
- Santa Clara Swim Club Disability Meet, Santa Clara, CA Swimming, October 2010
- Gateway Games, St. Charles, MO Swimming, May 2009
- Winter CanAm Open Championships, College Park, MD Swimming, December 2008 First Coast Sports Injury Symposium, Scholarship Committee Co-Chair (2013)

First Coast Kids Triathlon, Physically Challenged Athlete Buddy Program Coordinator - Jacksonville, FL. April 2010, 2011, 2012, 2013, 2014

Wounded Warrior Soldier Ride Volunteer – Jacksonville, FL, (2012)

Human Movement Science Research Symposium Committee Co-Chair, UNC (2008)

SERVICES TO THE UNIVERSITY/COLLEGE/SCHOOL

National/International

Promotion Reviewer – University of Connecticut (2019) Tenure Reviewer – University of Michigan – Flint (2015) Promotion Reviewer – Stonybrook University (2016) APTA - Oncology Section, Research Committee Chair (2015-present) APTA - Oncology Section, Research Committee (2012-present) APTA - Sports Section, Special Interest Group Leader – Physically Challenged Athletes (2010 - 2016) American Board of Physical Therapy Specialties (ABPTS) – Item Writer and member of the Specialization Academy of Content Experts (SACE) (2013 & 2015) Early Career Reviewer (ECR) program at the Center for Scientific Review (CSR), National Institutes of Health (2014-present) Federal State Board of Physical Therapy (FSBPT) – Exam Development Committee – Member (2018 – present) Federal State Board of Physical Therapy (FSBPT) – Item Writing Task Force – Member (2014 -2017) FSBPT – National Physical Therapy Exam, Graduate Item Writer (2013) FSBPT Practice Exam and Assessment Tool (PEAT) - Item Writer (2012) FSBPT – National Physical Therapy Exam Item Writer (2010) Rehabilitation Oncology – Associate Editor (2015 – present) Rehabilitation Oncology – Quarterly Research Round-Up Contributor (2013 to present) Manuscript Reviewer: Acta Oncologica (2016 – present) Archives of Physical Medicine and Rehabilitation (2013 – present) BMC Medical Informatics 7 Decision Making (2017 - present) Cancer Management and Research (2013 – present) Gait and Posture (2013 – present) International Journal of Women's Health (2013 – present) Journal of Athletic Training (2019 – present) Journal of Pain Research (2012 – present) Journal of Cancer Survivorship (2013 – present) Journal of Shoulder and Elbow Surgery (2016 – present) Journal of Sport Rehabilitation (2014-present)

Journal of Student Physical Therapy Research –POD leader (2010) Pain Medicine (2012 – present) Patient Related Outcome Measures (2013 – present) Physical Therapy in Sport (2015 – present) Physical Therapy Journal (2013 – present) Physiotherapy Research International (2018 – present) Physiotherapy Theory and Practice (2013 – present) Rehabilitation Oncology (2015 – present) World Journal of Clinical Oncology (2014 – present)

<u>University</u>

University of South Carolina – ASPIRE I – Track 2 Grant Reviewer (2019)

Creighton University - St. Albert's Day Abstract Reviewer (2015 & 2016)

Madonna Rehabilitation Hospital GOAL Awards, Creighton University Representative (2014) Midwest Student Biomedical Research Forum Abstract Judge (2014)

UNF Community Based Transformational Learning Rating Day (2013)

Faculty Enhancement Committee (Faculty Association Standing Committee) (2013-2014) Intercollegiate Athletic Committee (Faculty Association University Committee) (2013-2014) UNF Academic Affairs Summer Teaching Grant Reviewer (2012) College/School

University of South Carolina Arnold School of Public Health, Exit and Alumni Surveys Workgroup. (2020)

Creighton University, Interprofessional Education, course reviewer: Introduction to Collaborative Care (IPE 400) (2015)

Creighton University School of Pharmacy and Health Professions, Professional Behavior Policy Committee, (2015)

Creighton University School of Pharmacy and Health Professions, Technical Standards Revision Committee, (2014 – present)

Creighton University School of Pharmacy and Health Professions, Special Needs and Assistance Advisory Committee, alternate (2014 – present)

UNF Brooks College of Health, Us Women's, Dean's Research and Brooks Professorship Grant Reviewer (2013)

UNF Brooks College of Health, Scholarship Committee (2011 – 2014)

UNF Brooks College of Health, Faculty Search Committee (2011)

UNF Brooks College of Health, Research and Scholarly Activity Committee (2009 – 2011) Department/Program

University of South Carolina, Athletic Training Program, Faculty Search Committee (2018, 2018-2019)

University of South Carolina, Physical Therapy Program, Faculty Search Committee (2017-2018)

University of South Carolina, Physical Therapy Program, Admissions Committee (2017present)

University of South Carolina, Physical Therapy Program, Program Assessment Chair (2017present)

Creighton University Public Relations and Marketing Task Force (2015 – 2016)

Creighton University Faculty Supervisor – Porto Physical Therapy Clinic (Fall 2015, Winter 2015)

Creighton University, Department of Physical Therapy, Admissions Committee (2014 – 2016) Creighton University Department of Physical Therapy, Faculty Search Committee (2014-2015) UNF Physical Therapy Program, Admissions Committee (2011 – 2014)

UNF Physical Therapy Program, Research & Scholarly Committee – Chair (2010 – 2014)

HONORS AND AWARDS: `

Blue Ribbon – Global Health Special Interest Group – APTA Combined Sections Poster 2018 Creighton University Summer Initiative for Teaching Excellence 2015 UNF STARS Faculty Research Award 2014 UNF Community Scholar 2013-2014 UNF Outstanding Graduate Teaching Award Nominee (2012)

Recipient of *The Jacksonville Business Journal* 40 under 40 (2012) U.S. Bone and Joint Decade's Young Investigators Initiative (YII) program (Fall 2011 & Fall 2013)

Graduate Mentor Support Award, University of North Carolina at Chapel Hill (2008 & 2009) University of North Carolina at Chapel Hill Academic Mentor Award (guest volleyball coach) (2008)

Phi Beta Kappa (1998-present)

Golden Key National Honor Society (1997-present)

CONTINUING EDUCATION COURSES: (within the past 8 years)

| Nov 2019 April 2018 Sept 2017 Sept 2016 Aug 2015 Jul 2015 | Exam Development Committee Meeting for the NPTE, FSBPT Exam Development Committee Meeting for the NPTE, FSBPT Item Writing and Test Development Task Force Meeting for the NPTE, FSBPT Item Writing and Test Development Task Force Meeting for the NPTE, FSBPT Oncology Rehabilitation Principles, Application and State of Practice, Braveman APTA Section on Research Retreat – Piecing Together the Pain Puzzle: Biopsychosocial Model |
|--|--|
| Jun 2015 | National Institutes of Health Cancer Rehabilitation Conference |
| Feb 2015 | Item Writing and Test Development Task Force Meeting for the NPTE, FSBPT |
| Oct 2013 | Item Writing and Test Development Workshop for the NPTE, FSBPT |
| 2011–2014 | University of Florida Rehabilitation Research Seminars – Bi-Monthly |
| Sept 2011 | Chronic Musculoskeletal Pain, Brooks Rehabilitation, George, Bishop, & |
| | Wittmer |
| July 2010 | Item Writing and Test Development Workshop for the NPTE, FSBPT |
| Apr 2010 | NPTE Workshop for Faculty, FSBPT staff |
| Mar 2010 | KT3- Kinesio Taping Certification Course, Huber |
| Jan 2010 | KT1- Fundamental Concepts, KT2- Advanced Concepts and Corrective |
| | Techniques, Samaniego |

TEACHING RESPONSIBILITIES

| Physical Therapy | Program, Department of Exercise Science, University of South Carolina |
|------------------|---|
| Instructor: | PHYT – 753, Research Proposal, Spring 2017, Spring 2018, Spring |
| | 2019, Spring 2020 |
| | PHYT – 788, Evidence-Based Practice in Physical Therapy, Spring |
| | 2017, Fall 2017, Fall 2018 |
| | PHYT - 763, Modalities: Therapy and Application, Summer 2017, |
| | Summer 2018, Summer 2019 |
| | PHYT – 806, Differential Diagnosis, Fall 2017, Fall 2018, Fall 2019 |

Department of Physical Therapy, Creighton University

| Instructor: | PTD – 321, Critical Inquiry I, Spring 2015 |
|-----------------|---|
| | PTD – 504, Evidence Based Practice I, Fall 2015, Fall 2016 |
| | PTD – 531, Pain, Fall 2016 |
| Guest Lecturer: | PTD – 317, Health Conditions for the Physical Therapist, Spring 2015, |
| | PTD – 688, Expert Practice in Physical Therapy, Spring 2015 |

Physical Therapy Program, Department of Clinical and Applied Movement Sciences, University of North Florida

| Instructor: | Gross Anatomy for Physical Therapy, Fall 2009 |
|-----------------------|---|
| | Orthopaedic I – Extremity Evaluation, Fall 2009, 2010, 2011, 2012, 2013 |
| | Differential Diagnosis, Fall 2009, 2010 |
| | Orthopaedic II – Spine & Occupational Health, Spring 2010, 2011 |
| | Examination & Intervention, Spring 2010, 2011, 2012, 2013, 2014 |
| Guest Lecturer: | Special Topics in Physical Therapy- Fall 2010, Fall 2013, Spring 2014. |
| | Orthopaedic Injury Assessment in Athletic Training – Fall 2011, Fall |
| | 2012, Spring 2013 |
| Internship Preceptor: | Summer 2010, Spring 2011 |

Division of Physical Therapy, Department of Allied Health Sciences, University of North Carolina at Chapel Hill

Teaching Assistant:Advanced Patient Management I, Online tDPT program, 2007 - 2009,
lead instructor for Spine Module
Advanced Patient Management II, Online tDPT program, 2008 –
2009, lead instructor for Oncology Module

Department of Exercise and Sport Science, College of Arts and Sciences, University of North Carolina at Chapel Hill

Instructor: Emergency Care of Injuries and Illness, 2006 – 2009 *Teaching Assistant:* Cadaver Anatomy (master's in Athletic Training), Fall 2005