

Curriculum Vitae

Matthew J. Peterson, PhD, FGSA

UNC Wilmington

School of Nursing

petersonmj@uncw.edu

EDUCATION/TRAINING:

2011-13	Postdoctoral in Comparative Effectiveness & Biostatistics	Duke University
2009	Postdoctoral Courses in Physical Activity & Public Health	University of South Carolina
2006	Ph.D. Human Movement Science Cognate Area: Epidemiology and Research Methods	University of North Carolina-Chapel Hill
1999	M.S. Exercise Science	University of Dayton
1996	B.S. Physical Education	The Ohio State University

PROFESSIONAL EXPERIENCE:

2019-Present- Adjunct Associate Professor, Division of Geriatrics, Department of Medicine, School of Medicine, Duke University, Durham, NC

2021-Present Associate Professor (with tenure), School of Nursing, College of Health and Human Services, UNC Wilmington

2018- 2021- Associate Professor, Department of Clinical Research, College of Pharmacy & Health Sciences, Campbell University

2018- Present- Clinical Associate Professor, Department of Geriatrics, Boonshoft School of Medicine, Wright State University, Dayton, OH

2016-2018- Director, Division of Research, Department of Geriatrics, Boonshoft School of Medicine, Wright State University, Dayton, OH

2014-2018- Associate Professor, Department of Geriatrics, Boonshoft School of Medicine, Wright State University, Dayton, OH

2014-2017- Associate Professor, Department of Population & Public Health Sciences, Boonshoft School of Medicine, Wright State University, Dayton, OH

2012-2014- Director, *Stride@Home* Program, VA Medical Center, Durham, NC

2011-2014- Program Manager, *Gerofit* Clinical Exercise Program, Geriatric Research, Education and Clinical Center, VA Medical Center, Durham, NC

Matthew Peterson

2007-2014- Assistant Professor, Division of Geriatrics, Department of Medicine, School of Medicine, Duke University, Durham, NC

2001-2014- Physiologist, Geriatric Research, Education and Clinical Center, V.A. Medical Center, Durham, NC

2001-Present, Senior Fellow, Duke Center for the Study of Aging & Human Development

1999-2001- Exercise Physiologist, Wright State University, Lifespan Health Research Center, Dayton, OH

HONORS AND AWARDS:

2016, Fellow, Gerontological Society of America

2010, Duke Pepper Center Scholar Award

2002-2008, Durham VA Contribution Awards (6 awards)

2001, GlaxoSmithKline Circle of Excellence Award for Senior Health Programming (Gerofit Program)

TEACHING/EDUCATIONAL LEADERSHIP/MENTORING:

Advanced Education Training:

Powell Online Course Certification

Courses Taught (*denotes 100% online course):

Campbell University:

BSCR 338: Scientific Literature Seminar (course director)

BSCR 416: Senior Seminar (team taught)

BSCR 425: Medical Ethics (team taught)

BSCR 452: Medical Ethics (team taught)

MSCR 504*: Special Research in Clinical Research

MSCR 520*: Advanced Data Management (course director)

MSCR 529*: Epidemiology (course director)

MSCR 606*: Clinical Research Seminar (course director)

MSCR 690-695*: Capstone Research Project (7 students to date)

Wright State University:

HPR 2020: Teaching Fitness in Physical Education

HED 3310: Health & Physical Education for ECE

Duke University School of Nursing:

N308 (Graduate Course): Applied Statistics

University of Dayton:

SPRT 107: Tennis Instruction
HSS 408L: Physiology of Exercise Lab
HSS 112: Introduction to Exercise Science/Fitness Management

Educational Leadership:

2001-2014 Durham VA GRECC Exercise Science Internship Director
2016-2018 Geriatrics Medical Resident Journal Club Director
2017-2018 Chair, Geriatrics Research Working Group
2018- Program Developer- Evidence-Based Practice and Comparative
 Effectiveness Graduate Certificate Program
 -program under development

Student Clinical/Research Mentoring (self-initiated):

2002- Heather Ryan, Duke, Undergraduate Capstone Experience
2003- Chris Guydish, University of Dayton, Undergraduate Exercise Science Intern
2004- Shanna Newell, UNC-Chapel Hill, Graduate Exercise Science Intern
2004- Curtis Beatty, NC Central, Undergraduate Exercise Science Intern
2005- Debbye Atkins, NC Central, Undergraduate Exercise Science Intern
2006- Tiffany Mitchell, NC Central, Undergraduate Exercise Science Intern
2006- James Chang, UNC Chapel Hill, Human Movement Science Doctoral Student Research
2010- Hallie Coleman, UNC Chapel Hill, DPT Student Research
2015- Tevin Dorsey, Wright State S.T.R.E.A.M.S. Summer Student
2015- Paloma Wiggins, Wright State S.T.R.E.A.M.S. Summer Student
2015-2016- Stacie Swanton, U. of Dayton, Graduate Exercise Science, Thesis Co-Chair
2017- Emily Kugel, WSU Medical Student
2017- Bridgette Kremer, WSU Medical Student
2017- Krysta Gorman, WSU Medical Student
2017- Megan Super, WSU Medical Student
2018- Jimmy Johnson, WSU Kinesiology Student
2018- Alexandria Nasr, WSU Medical Student
2020- Kira Byrd, Campbell University, Exercise Science Student

Postdoctoral Trainee Research Mentoring:

2017- Dr. Sheena Geoghegan- Geriatrics Fellow, Wright State Department of Geriatrics
2018- Dr. Del Kirkpatrick- Hospice & Palliative Care Fellow, Wright State Department of Geriatrics
2018- Dr. Arian Majko- Hospice & Palliative Care Fellow, Wright State Department of Geriatrics

Faculty Research Mentoring:

2016-2018- Dr. Tanvi Banerjee, Assistant Professor, Wright State School of Engineering
K01 Mentor: "Managing Dementia through a Multisensory Smart Phone Application to Support Aging in Place"

2019-Present- Dr. Deborah Constantine, Clinical Assistant Professor, Campbell University Department of Physical Therapy. "Implementation of Geriatrics Competencies in DPT Programs"

GRANTS/CLINICAL DEMONSTRATION PROJECTS (under review):

GRANTS/CLINICAL DEMONSTRATION PROJECTS (active):

Title, "*Does Timed Up and Go Subtask Performance Differ by Berg Balance Scale Classification,*" CPHS Internal Research Grant, Role: **Co-Investigator**, Amount Awarded: \$4722

GRANTS/CLINICAL DEMONSTRATION PROJECTS (previously funded):

Summer 2020, Medical Student Summer Clinical Scholars Program, Campbell University School of Medicine, **Role: Scholar Mentor** (with Nick Pennings, DO). Amount Awarded: \$3000

Spring 2020, Campbell University Faculty Development Award, Funding for travel to American Geriatrics Society Annual Meeting. Amount Awarded, \$2311 (conference cancelled)

3/22/18-03/22/19, Title, "Validation of Cortical Bone Mechanics Technology," Ohio Development Services Agency Third Frontier Technology Start-Up Fund, **Role: Site Principal Investigator** (PI: AEIOU, LLC.), Amount Awarded: \$33,000

7/1/16-6/30/17, Title, "MEDTAPP Healthcare Access Initiative-Community Health Workers First," State of Ohio, **Role: Co-Investigator** (PI: Cauley), Amount Awarded, \$937,270

09/01/2016, Title, "Longitudinal Metabolomics Signatures of Late-Life Cognition," Wright State Geriatrics Endowment Fund, **Role: Principal Investigator**, Amount Awarded: \$51,758

01/01/16, Title, "Hexoskin Validation Study," Wright State Geriatrics Endowment Fund, **Role: Co-Principal Investigator (P.I. Banerjee)**, Amount Awarded: \$19,550

10/01/14-06/30/17, Title, "Preparing Tomorrow's Workforce to Care for an Aging Ohio: Focus on Older Adult Medicaid and Dual Eligible Populations", State of Ohio, **Role: Co-Investigator** (P.I.: Lawhorne), Amount Awarded: \$949,178

10/1/13-9/30/14, Title: "Gerofit Dissemination and Implementation Program," VHA Geriatrics & Extended Care Innovative Transitional Care T21 Program, **Role: Co-Investigator** (P.I.: M.C. Morey). Amount Awarded: \$830,500

10/1/12-9/30/14, Title: "STRIDE@HOME," VHA Geriatrics & Extended Care Innovative Transitional Care T21 Program, **Role: Principal Investigator/Project Director**. Amount Awarded: \$291,166

7/11-6/13, Title: "Exercise Doses and Cancer in Older Women," Duke Comparative Effectiveness & Biostatistics Research Training KM1 Program (NIH/NCI), **Role: Research Fellow**. Amount Awarded: \$76,499

7/08-6/10, Junior Faculty Research Career Development Award. Claude Pepper Older Americans Independence Center, Duke University, **Role: Principal Investigator**. Amount Awarded: \$50,000

07/08–06/11, Title: “Enhancing Fitness in Older Overweight Vets with Impaired Glucose Tolerance,” Health Services Research & Development, Veterans Administration, **Role: Co-Investigator** (P.I.: M.C. Morey). Amount Awarded: \$ 1,000,000

3/08-10/10, Title: “Trajectories of Functioning in VA Long-Term Care,” Department of Rehabilitation, Research and Development Career Development Award, Veterans Administration, **Role: Principal Investigator**. Amount Awarded: \$187,500

1/07-12/08, Title: “Weight Supported Treadmill Training in Older Veterans”, Institute for Medical Research, **Role: Principal Investigator**. Amount Awarded: \$17,000

7/04-6/07, Title: “LIFE 2: Improving Fitness and Function in Elders”, Department of Rehabilitation, Research and Development, Veterans Administration, **Role: Co-Investigator** (P.I.: M.C. Morey) Amount Awarded: \$750,000

7/01-6/04, Title: “Leisure Time Counseling to Improve Functional Health in Elders: Project LIFE”, Department of Rehabilitation, Research and Development, Veterans Administration, **Role: Co-Investigator** (P.I.: M.C. Morey) Amount Awarded: \$442,000

RESEARCH PUBLICATIONS:

First and Last author denotes senior author

#Denotes student/mentee author

Peterson MJ, MC Morey and CF Pieper. Accuracy of VO_{2max} prediction equations in older adults. *Med Sci Sports Exerc.* 35 (1), 145-149, 2003.

Peterson MJ, SA Czerwinski and RM Siervogel. Development and validation of skinfold-thickness prediction equations with a 4-compartment model. *Am J Clin Nutr.* 77: 1186-1191, 2003.

Peterson MJ, D Palmer and LL Laubach. The comparison of caloric expenditure in intermittent and continuous walking bouts. *J Strength Cond Res.* 18 (2): 373-376, 2004.

Peterson MJ, GM Crowley, RJ Sullivan and MC Morey. Comparing physical function in older sedentary and exercising veterans to national norms. *J Rehabil Res Dev.* 41 (5): 653-658, 2004.

Morey MC, Ekelund CC, Pearson MP, Crowley GM, **Peterson MJ**, Sloane R, Pieper CF, McConnell E, Bosworth HB and Chapman J. Project LIFE: A Partnership to Increase Physical Activity in Elders with Multiple Chronic Illnesses. *J Aging Phys Act.* 14 (3): 324-343, 2006

Peterson MJ, Sloane R, Cohen HJ, Crowley GM, Pieper CF, Morey MC. Effect of telephone exercise counseling on frailty in older veterans: Project LIFE. *Am J Men's Health.* 1 (4): 326-334, 2007.

Morey MC , **Peterson MJ**, Crowley GM, Sloane R, Pieper CF, Cowper PA, McConnell ES, Bosworth HB, Ekelund CC, Howard T. Project LIFE: Design, Methods, Baseline Characteristics, *J Rehabil Res Dev*, 45 (1): 31-42, 2008.

Morey MC, R Sloane, CF Pieper, **MJ Peterson**, MP Pearson, CC Ekelund, GM Crowley, W Demark-Wahnefried, DC Snyder, EC Clipp, HJ Cohen. Impact of physical activity guidelines on physical function in older adults. *J Am Geriatr Soc*, 56 (10): 1873-1878, 2008.

Peterson MJ, C Giuliani, MC Morey, CF Pieper, KR Evenson, V Mercer, HJ Cohen, M Visser, JS Brach, SB Kritchevsky, BH Goodpaster, S Rubin, S Satterfield, AB Newman, and EM Simonsick, for the Health, Aging and Body Composition Study Research Group. Physical activity as a preventative factor for frailty: The Health ABC study. *J Gerontol A Biol Sci Med Sci*. 64A (1): 61-68, 2009.

Morey MC, **MJ Peterson**, CF Pieper, R Sloane, GM Crowley, PA Cowper, ES McConnell, HB Bosworth, CC Ekelund, MP Pearson. The Veterans Learning to Improve Fitness and Function in Elders Study: A randomized trial of primary care based physical activity counseling for older men. *J Am Geriatr Soc*, 57 (7): 1166-1174, 2009.

Huffman KM, R Sloane, **MJ Peterson**, HB Bosworth, C Ekelund, M Pearson, T Howard, CF Pieper, MC Morey. The impact of self-reported arthritis and diabetes on response to a home-based physical activity counseling intervention. *Scand J Rheumatol*, 39 (3): 233-239, 2010.

Krucoff C, K Carson, **M Peterson**, K Shipp, and M Krucoff. Teaching Yoga to Seniors: Essential Considerations to Enhance Safety and Reduce Risk in a Uniquely Vulnerable Age Group. *J Alt Compl Med*, 16 (8): 1-7, 2010.

Peterson MJ, MC Morey, C Giuliani, CF Pieper, KR Evenson, V Mercer, M Visser, JS Brach, SB Kritchevsky, BH Goodpaster, S Rubin, S Satterfield, and EM Simonsick, for the Health, Aging and Body Composition Study Research Group. Walking in old age and development of metabolic syndrome: the Health ABC study. *Metabolic Syndrome and Related Disorders*, 8 (4): 317-322, 2010.

Huffman K, Hall K, Sloane R, **Peterson M**, Bosworth H, Ekelund C, Pearson M, Howard T, Pieper C, Morey M. Is diabetes associated with poorer self-efficacy and motivation for physical activity in older adults with arthritis? *Scand J Rheumatol*, 39 (5): 380-386, 2010.

Hall K, RJ Sloane, CF Pieper, **MJ Peterson**, GM Crowley, PA Cowper, ES McConnell, HB Bosworth, C Ekelund and MC Morey. Long-term changes in physical activity following a one-year home-based physical activity counseling program in older adults with multiple morbidities. *J Aging Research*, 2011.

Hall KS, Pieper CF, Edelman DE, Yancy Jr, WS, Green JB, Lum H, **Peterson MJ**, Sloane R, Cowper PA, Bosworth HB, Huffman KM, Cavanaugh JT, Chapman JG, Pearson MP, Howard TA, Ekelund CC, McCraw BL, Burrell JB, Taylor GA, & Morey MC. Lessons learned when innovations go awry: A baseline description of the Enhancing Fitness in Older Overweight Veterans with Impaired Glucose study. *Translational Behavioral Medicine*, Nov; 1(4): 573-587, 2011

Morey MC, Pieper CF, Edelman DE, Yancy WS, Green JB, Lum H, **Peterson MJ**, Sloane R, Cowper PA, Bosworth HB, Huffman KM, Cavanaugh JT, Hall KS, Pearson MP, Taylor GA,

Enhanced fitness: a randomized controlled trial of the effects of home-based physical activity counseling on glycemic control in older adults with prediabetes. *J Am Geriatr Soc*. Sep;60(9):1655-62, 2012.

Peterson MJ, K Caves, N Williams, and MC Morey, A pilot study of partial un-weighted treadmill training in mobility-impaired older adults. *Biomed Res Int*. vol. 2014, Article ID 321048, 5 pages, 2014. doi:10.1155/2014/321048.

Peterson MJ, Pieper CF, Sloane RS, Crowley GM, Cowper PA, E.S. M, Bosworth HB, Ekelund CC, Pearson MP, Hall KS, Morey MC. Differences between completely physically inactive and low active older men and their response to an exercise intervention: the Veterans LIFE study. *Healthy Aging Res*. 2015;4(36):1-8.

Kamil RJ, Betz J, Pratt BB, Kritchevsky S, Ayonayon H, Harris TB, Helzner E, Deal J, Martin K, **Peterson MJ**, Satterfield S, Simonsick EM, Lin FR. Association of hearing impairment with incident frailty and falls in older adults. *J Aging Health*. 2016;28(4): 644-60. PMID 26438083

Peterson MJ, CF Pieper, MC Morey, VB Kraus, WE Kraus, P Sullivan and HJ Cohen. A novel analytic technique to measure associations between circulating biomarkers and physical performance across the adult lifespan. *J Gerontol A Biol Sci Med Sci*, 71(2):196-202, 2016. PMID 25745025

Perry D, Sturm V, **Peterson MJ**, Pieper CF, Bullock T, Boeve BF, Miller BL, Guskiewicz KM, Berger MS, Kramer JH, Welsch-Bohmer KA. Association of traumatic brain injury with subsequent neurologic and psychiatric disease: a meta-analysis. *J Neurosurg*, 124(2):511-26, 2016 PMID 26315003

Cowper PA, **MJ Peterson**, CF Pieper, RJ Sloane, KS Hall, ES McConnell, HB Bosworth, CC Ekelund, MP Pearson, MC Morey. An economic evaluation of primary care-based physical activity counseling in older men: the Veterans Learning to Improve Fitness and Function in Elders trial. *J Am Geriatr Soc*. 2017. PMID: 28152170

Swanton S[#], A Choh, M Lee, S Czerwinski, LL Laubach, JK Linderman, **MJ Peterson**. BMI associations between mother and offspring from birth to age 18: the Fels Longitudinal Study. *Obesity Science & Practice*. 2017. PMID: 28706730

Banerjee T[#], **MJ Peterson**, Q Oliver, A Froehle and LW Lawhorne. Validating a commercial device for continuous activity measurement in the older adult population for dementia management. *Smart Health*. DOI: 10.1016/j.smhl.2017.11.001.

Peterson MJ. The risk factors of performance-based early frailty in midlife and older age. *J Gerontol Geriatr Med*, 4:1-6, 2018. PMID: 29761132

Peterson MJ, S Geoghegan[#], LW Lawhorne. An exploratory analysis of potential new biomarkers of cognitive function. *J Gerontol A Biol Sci Med Sci*, 2018. PMID: 29846522

Jarvis L, **MJ Peterson**, K Caves. Development, validity and reliability of a novel walking speed measurement device: the Gaitbox. *Gait & Posture*, 84:52-57, 2021. <https://doi.org/10.1016/j.gaitpost.2020.11.009>

Constantine D[#], **MJ Peterson**. Use of the essential competencies in the care of older adults in DPT programs of North and South Carolina: a faculty survey. *J Phys Ther Educ*, Major Revision Submitted.

BOOKS/BOOK CHAPTERS:

Marks BL, **MJ Peterson**, KM Shipp. Strength training strategies for individuals with osteoporosis. In: *Resistance Training for Special Populations*, AM Swank (Ed.). Florence: Delmar Learning, 2010

Peterson MJ. Medical Considerations for Special Populations. In: *Physical Activity Instruction of Older Adults*, DJ Rose (Ed.). Champaign: Human Kinetics, 2018.

ABSTRACTS/PROFESSIONAL PRESENTATIONS:

Palmer D, **M. Peterson** and L Laubach. Intermittent walking for calorie burn- Does it count? *Res Q Exerc Sport*. 72 (1). A-23, 2001.

Peterson MJ, MC Morey, and CF Pieper. Accuracy of VO_{2max} Prediction Equations in an Elderly Population. *Med Sci Sports Exerc*. 34 (5) Suppl, 2002.

Peterson M.J. and M.C. Morey. Allometric Scaling of VO_{2max} in Older Male Veterans. Proceedings of the 2003 Southeast American College of Sports Medicine Annual Meeting.

Morey M.C., **M.J. Peterson**, S. Newell et al. Comparing Physical Function in Older Sedentary and Exercising Veterans to National Norms. Proceedings of the 2003 Southeast American College of Sports Medicine Annual Meeting

Peterson M.J., Crowley G.M., and Morey M.C. Adjusting for the negative associations of height with chair stand performance in older adults. Proceedings of the 2004 Southeast American College of Sports Medicine Annual Meeting.

Peterson M.J., S. Newell, C. Beatty, G.M. Crowley, M.C. Morey. Comparison of Metabolic Equivalents Between Compendium Means and a Multiple Comorbid Group During Common Exercises. *Med Sci Sports Exerc*. 36 (5) Suppl, 2004.

Pearson M.P., C. Ekelund, R. Sloane, **M.J. Peterson**, G.M. Crowley, C.F. Pieper, E McConnell, H. Bosworth, M.C. Morey. Recruitment of Frail Veterans into Exercise Clinical Trial: Escalating Strategies and Effect of Health Status. *Med Sci Sports Exerc*. 36 (5) Suppl, 2004.

Peterson M.J., C. Giuliani, J. Foxworth, T. Shubert. Association of a Gait Speed Threshold with Osteoarthritis in a Retirement Community. *Gerontologist*. 44 (6) Suppl, 2004.

Morey M.C., **M.J. Peterson**, PW Duncan, C.F. Pieper. The Importance of a Weighted Functional Assessment in Comorbidity and Symptom Indexes for the Assessment of Functional Outcomes of Older Adults. *Gerontologist*. 44 (6) Suppl, 2004.

Foxworth J., C. Giuliani, **M.J. Peterson**, J. Busby-Whitehead, T. Shubert. Using performance measures for identifying functional difficulty secondary to pain in patients with osteoarthritis. *Gerontologist*. 44 (6) Suppl, 2004

Morey M.C., G.M. Crowley, **M.J. Peterson**, R. Sloane, C.F. Pieper, E. McConnell, H. Bosworth, C.C. Ekelund, M.P. Pearson, J. Chapman. Leisure Time Counseling to Improve Physical Activity in Elders: Results of a Randomized Clinical Trial. *Gerontologist*. 44 (6) Suppl, 2004.

Peterson M.J. and C.F. Pieper. Physical Activity and Disability: the NHANES I Epidemiologic Follow-up Study. *Med Sci Sports Exerc*. 37 (5) Suppl, 2005.

Morey M.C., R. Sloane, C.C. Ekelund, M.P. Pearson, G.M. Crowley, **M.J. Peterson**, , C.F. Pieper, E. McConnell, H. Bosworth, , J. Chapman. Impact of intercurrent illness on functional outcomes in a clinical trial to improve elder fitness. *Med Sci Sports Exerc*. 37 (5) Suppl, 2005.

Chang S.H.J., **M.J. Peterson** and M.C. Morey. Is functional mobility status associated with poor adherence in a geriatric exercise program? Proceedings of the 2006 UNC-Chapel Hill Aging Exchange (Best Poster Award-Runner Up).

Peterson MJ, R Sloane, HJ Cohen, GM Crowley, CF Pieper and MC Morey. Impact of intensive telephone exercise counseling on frailty in elder veterans: Project LIFE. Proceedings of the 2006 International Congress on Physical Activity and Public Health, Atlanta, GA

Chapman JR, R Sloane, CC Ekelund, MP Pearson, GM Crowley, **MJ Peterson**, T Howard, CF Pieper, ES McConnell, HB Bosworth, MC Morey. Project LIFE: Association between physical function and gardening as a primary physical activity. Proceedings of the 2006 International Congress on Physical Activity and Public Health, Atlanta, GA

Peterson M.J. and M.C. Morey. What is the optimal measure of obesity when determining disability risk in adults ages 60-69? The NHANES III Study. *Med Sci Sports Exerc*. 38 (5 Suppl), 2006.

Chang S.H.J., **M.J. Peterson** and M.C. Morey. Is functional mobility status associated with poor adherence in a geriatric exercise program? Proceedings of the 2006 Gerontological Society of America Annual Meeting, Dallas, TX.

Peterson M.J. and C. Giuliani. Physical frailty and cognition as predictors of change in physical and IADL functioning. Proceedings of the 2006 Gerontological Society of America Annual Meeting, Dallas, TX.

Morey, M, R Sloane, C Pieper, **M Peterson**, M Pearson, C Ekelund, G Crowley, W Demark-Wahnefried, D Snyder, E Clipp, H Cohen. Does meeting the Surgeon General guidelines for physical activity confer a functional benefit to elders? *Med Sci Sport Exerc* 2007 39(5) Suppl S420.

Morey MC, **Peterson MJ**, Pieper CF, Sloane R, Crowley PA, McConnell ES, Bosworth HB, Pearson MP, Ekelund CC, Howard T. The Veterans LIFE study: A randomized trial of physical activity counseling to improve gait in elders in primary care. Proceedings of the 2007 Gerontological Society of America annual scientific meeting, San Francisco, CA.

Peterson M.J. and M.C. Morey. Characteristics of truly sedentary elderly men and their response to an exercise intervention: Veteran's LIFE project. *Med Sci Sport Exerc* 2008 40(5) Suppl S22.

Peterson MJ, ES McConnell, G Fillenbaum, M Kuchibhatla, MC Morey. Rehabilitation Practices at Admission in VA Nursing Homes: A National View. Proceedings of the 2009 American Medical Director's Symposium, Charlotte, NC.

Peterson MJ, W Kraus, K Huffman, R Sloane, CF Pieper, MC Morey. Fitness responses to an exercise intervention among extreme sedentary elders: turning back the clock. *Med Sci Sport Exerc* 2009 41(5) Suppl.

Peterson MJ, MC Morey and HJ Cohen. Allostatic load of circulating biomarkers on gait speed in cancer survivors. Proceedings of the 2012 Annual Pepper Older Americans Independence Centers Meetings. Bethesda, MD.

Peterson MJ, MC Morey, CF Pieper, AP Abernethy. Physical activity, allostatic load, and cancer: results from the NHANES study. *Gerontologist* 2012 52Suppl.

Peterson MJ, MC Morey, SN Hastings, M. Pearson, L. Bateman, K. Caves, U. Kincaid, and S. Lee. *Stride@Home: A VA Non-institutionalized Care Demonstration Program*. Gerontological Society of American Annual Scientific Meeting. Late Breaking Poster Proceedings. New Orleans, LA, 2013.

Peterson MJ, M Lee, AC Choh, and SA Czerwinski. Serial Grip Strength in Mid-Life and Body Composition in Later-Life: The Fels Longitudinal Study. *Gerontologist* 2015 52Suppl

Peterson MJ, S.A Czerwinski, M. Lee, A. Choh. Antecedent and current predictors of performance-based early frailty in midlife and older age: the Fels longitudinal study. *J Frailty Aging* 2016;5(S1):41.

Peterson MJ, M Lee, A Choh, SA Czerwinski. Cardiorespiratory activity participation and strength mediate the association between biomarkers and functional limitations. *Med Sci Sports Exerc* 2016. May;48(5 Suppl 1):487.

Peterson MJ, S Swedlund, K Zechiel, L Bedrossian, MJ Trout, K Drasga, G Gataric, D Swagerty, L Lawhorne. Medical care avoidance due to costs- are there underlying reasons? *J Am Geriatr Soc.* 66 (S2), 2018.

Jarvis L, **MJ Peterson**, E Radcliffe, K Caves. Development and validation of a walking speed measurement device. *Arch Phys Med Rehabil.* 100(7):e2, 2019

D Constantine, **MJ Peterson**. Examining utilization of "the essential competencies in the care of older adults at the completion of entry-level physical therapist program of study" in North and South Carolina DPT programs. Proceedings of the North Carolina Physical Therapy Association. Wilimington, NC. October 2019.

Peterson MJ, A Froehle. Accelerated childhood skeletal aging is protective of development of sarcopenia in later life. *Innovation in Aging*, 3(Suppl 1): S608–S609, 2019

Jarvis L, **MJ Peterson**, MC Morey, K Caves. Validation of a walking speed measurement device: Gaitbox. *Innovation in Aging*, 3(Suppl 1): S9, 2019.

Peterson MJ, K Byrd, A Froehle. Sex differences in energetic cost of walking and later-life function and physical activity patterns. Proceedings of 2020 Annual Meeting of Gerontological Society of America.

INVITED PRESENTATIONS/SYMPOSIA/FEATURED SESSIONS:

2004

Featured Session Speaker at the International Society for Behavioral Nutrition and Physical Activity Annual Meeting, Washington D.C.

Presentation Title: Enhancing Physical Activity in a Clinical Setting: Who Needs to Change and How--- The Clinician or the Client.

2005

Invited Speaker at UNC-Chapel Hill MPT Course (PHYT 236-Physical Therapy for Older Adults).

Presentation Title: Physical Activity and Older Adults: Gerofit Research

Symposia Discussant at ACSM Annual Meeting, Denver, CO.

Symposia Title: The NIH/NIA Claude D. Pepper Older Americans Independence Centers: Focus on Physical Activity Measurement and Interventions for Functionally Limited Older Adults

2006

Symposia Presenter at North Carolina Conference on Aging, Raleigh, NC

Symposia Title: Exercise and You: A Perfect Fit.

2008

Senior Yoga Instructor Certification Course, Duke Integrative Medicine, Durham, NC

Presentation Title: Exercise and Aging

ACSM Aging Interest Group Meeting, Indianapolis, IN

Presentation Title: New and Improved? Physical Activity Guidelines for Older Adults

2009

Symposia Presenter at the 2009 Annual Scientific Meeting of the American Geriatrics Society, Chicago, IL

Symposia Title: Batten Down the Hatches: Navigating Rehabilitation and Mobility Research within the VA

Senior Yoga Instructor Certification Course, Duke Integrative Medicine, Durham, NC

Presentation Title: Exercise and Aging

Symposia Presenter at the 2009 Annual Scientific Meeting of the Gerontological Society of America, Atlanta, GA

Symposia Title: Sustainability, Imputations and Missing Data: 12-Months after a Physical Activity Counseling Trial

2010

Matthew Peterson

Featured Science Session Presenter at the 2010 Annual Meeting of the American College of Sports Medicine, Baltimore, MD
Presentation Title: Physical Performance as an Outcome Measure in Older Populations with Chronic Disease

Symposia Presenter at the 2010 Annual Scientific Meeting of the Gerontological Society of America, New Orleans, LA
Symposia Title: The Relationship of Metabolites and Cytokines with Function and Physical Performance: Results from the Duke Pepper Center

2017

Symposia Presenter at the 21st IAGG World Congress of Gerontology and Geriatrics, San Francisco, CA
Symposia Title: How Young and Full Adult Lifespan Cohorts Contribute to Our Understanding of Late Life Function

MS1 Scholarship in Medicine Meeting, Wright State University
Presentation Title: The Fels Longitudinal Study

2018

Alzheimer's Association of Greater Dayton
Presentation Title: Biomarkers of Cognitive Function

SERVICE:

University Service

Campbell University:

2018-Present, Clinical Research Graduate Admissions Committee
2018-Present, Clinical Research Curriculum Committee
2018-2019, CPHS Peer Review Committee
2019-Present, CPHS Scholarship Committee
2019-Present, CPHS Technology Committee
2019-Present, (Chair) Clinical Research Academic Standards Committee
2019-Present, (Full Member) Campbell University Institutional Review Board

Wright State University:

2016-18- Elected Member, Wright State Graduate Council
2018- Elected Member, Boonshoft School of Medicine Research Committee

Professional Service

2020- Present, Associate Editor, *Journal of Aging and Physical Activity*

2012-2020, Editorial Board, *Journal of Aging and Physical Activity*

2020-Present, Gerontological Society of America Health Sciences Section Fellow Review Panel

2018-2019, Gerontological Society of America Fellowship Committee (Health Sciences Rep)

2010-Present, Abstract Reviewer

Matthew Peterson

Gerontological Society of America Annual Meeting

2017- Grant Application External Reviewer
Health Research Board, Republic of Ireland

2017- External Promotion & Tenure Reviewer
Ohio University Department of Biomedical Sciences

2012-2014- Voting Member, Durham VA Research & Development Committee

2007-2014, Abstract Reviewer
American Public Health Association Annual Meeting

2011- Grant Application External Reviewer
Chief Scientist Office, Scottish Government

Ad Hoc Manuscript Reviewer:

Alzheimers & Dementia

Annals of Epidemiology

Medicine & Science in Sports & Exercise

Journal of Rehabilitation Research and Development

Journals of Gerontology: Medical & Biological Sciences

Journal of the American Geriatrics Society

Archives of Physical Medicine & Rehabilitation

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