

Curriculum Vitae
Gammon M. Earhart, PT, PhD, FAPTA

Address and Telephone Numbers:

Program in Physical Therapy
Washington University School of Medicine
Campus Box 8502
4444 Forest Park Boulevard, Suite 1101
St. Louis, Missouri 63108
earhartg@wustl.edu
(314) 286-1407

Present Position:

Associate Dean for Physical Therapy
Director, Program in Physical Therapy
Professor, Physical Therapy, Neuroscience, and Neurology
Washington University School of Medicine

Education:

1994 B.A. – Psychobiology
 Arcadia University, Glenside, PA
1996 M.S.P.T. – Physical Therapy
 Arcadia University, Glenside, PA
2000 Ph.D. – Movement Science
 Washington University in St. Louis, St. Louis, MO
2000-2004 Postdoctoral Fellowship - Neuroscience
 Oregon Health & Science University, Portland, OR

Academic Positions / Employment:

1996-2000	Graduate Research Asst.	Washington University in St. Louis
1997-2000	Physical Therapist	TheraPeak & RehabPlus Inc.
2000-2004	Postdoctoral Fellow	Oregon Health & Science University
2004-2005	Instructor, Program in PT	Washington University School of Medicine
2005-2010	Assistant Professor	Washington University School of Medicine
2010-2013	Associate Professor (tenured)	Washington University School of Medicine
2012-2016	Associate Director Movement Science PhD Program	Washington University in St. Louis
2014-present	Professor	Washington University School of Medicine
2014-present	Director, Program in PT	Washington University School of Medicine
2020-present	Associate Dean for PT	Washington University School of Medicine

University and Clinical Appointments and Committees:

University

2008-present Member, Division of Biology and Biomedical Sciences
2013-2014 Program in Neuroscience PhD Admissions Committee
2013-2017 Graduate Council, Graduate School of Arts & Sciences

School of Medicine

2014-present Education Leadership Council
2014-2015 Research Affairs Committee
2015-2016 Academic Affairs Committee

2015-2016	Gender Equity Committee
2016-2017	Search Committee for Senior Associate Dean of Education
2017-present	Pay Equity Steering Committee
2017-present	Task Force for Advancement of Women Faculty & Leaders
2020-present	Diversity Advisor

Program

2004-present	Research Advisory Council
2005-2009	Faculty Search Committee
2006-2008, 2011	Years of Service Awards Committee
2007-2009, 2013-present	Admissions Committee
2008-2009	Steven J. Rose Symposium Organizing Committee
2011-2012	Teaching Evaluation Task Force
2012	Strategic Planning Co-Chair
2012-2013	Faculty Performance Metrics Committee
2012-2013	Research Division Development Committee
2013	Education Division Metrics Task Force
2017-present	Physical Therapy Inclusion & Diversity (PT ID), Chair

Professional Licensure and Board Certification:

2004-present	Physical Therapist #111723 Missouri Board of Registration for the Healing Arts
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Honors and Awards:

1993	Heinz Travel Award for International Research
1994	Beaver College Physical Therapy Scholarship
1994-1996	Gundaker Foundation Scholarship
2001	Best Postdoctoral Presentation, Clinical Neurosciences Research Day, University of Calgary
2002-2003	Postdoc Paper of the Year Award, Runner-Up, Oregon Health & Science University
2005	Abstract Chosen for Society for Neuroscience Public Information Committee Press Book
2005	Eugene Michels New Investigator Award, American Physical Therapy Association (APTA)
2006, 2008	Outstanding Faculty Mentor Certificate of Special Recognition, Washington University in St. Louis
2010, 2011	Nominee for Golden Synapse Award for best paper published in <i>J Neurol Phys Ther</i>
2010	Friedman Award for Outstanding Contributions to the Advancement of Geriatric Care, Dorismae and Harvey A. Friedman Program on Aging, Barnes-Jewish Hospital Foundation
2012	Alumni Achievement Award, Arcadia University College of Health Sciences
2013	Outstanding Faculty Mentor Award, Washington University in St. Louis
2014	Chattanooga Research Award for best paper published in <i>Physical Therapy</i> , "Comparative utility of the BESTest, Mini-BESTest, and Brief-BESTest for predicting falls in individuals with Parkinson disease
2015	Distinguished Alumni Award, Oxford Area High School
2015	Elite Reviewer Recognition, <i>Archives of Physical Medicine & Rehabilitation</i>
2015	Outstanding Reviewer, <i>Gait & Posture</i>

2016	Excellence in Neurologic Research Award, APTA Academy of Neurologic Physical Therapy
2016	Chattanooga Research Award for best paper published in <i>Physical Therapy</i> , "Toward understanding ambulatory activity decline in Parkinson disease"
2019	Catherine Worthingham Fellow of the American Physical Therapy Association (FAPTA)
2020	Golden Synapse Award for best paper published in the <i>Journal of Neurologic Physical Therapy</i> , "Mental Singing Reduces Gait Variability More Than Music Listening for Healthy Older Adults and People with Parkinson Disease"

Editorial / Reviewer Responsibilities:

- *Manuscript reviewer for more than 30 peer-reviewed journals in the fields of rehabilitation, neuroscience, and neurology*
- Editorial Board Member, Journal of Neurodegenerative Diseases, 2012-2017
- Editorial Board Member, Gait & Posture, 2013-present
- Editorial Board Member, Physical Therapy, 2015-2020
- Editorial Board Member, Neurorehabilitation & Neural Repair, 2021-present
- Veterans Health Administration, Rehabilitation Research & Development Grant Reviewer, 2004, 2009, 2011, 2013, 2014, 2020
- NIH, NINDS, NSD-B Ad Hoc Study Section Member, 2007
- BJHF/ICTS Grant Reviewer, 2009, 2012
- Israel Science Foundation Grant Reviewer, 2009, 2013, 2016, 2019
- The Stroke Association (UK) Grant Reviewer, 2009
- Parkinson's Disease Association (UK) Grant Reviewer, 2009, 2011
- NIH Challenge Grant Reviewer, 2009
- National Science Foundation Grant Reviewer, 2009
- Prinses Beatrix Fonds (Netherlands) Grant Reviewer, 2009, 2011
- Auckland Medical Research Foundation (New Zealand) Grant Reviewer, 2009
- Parkinson's Disease Society (UK) Grant Reviewer, 2009
- NIH, NICHD/NCMRR, MRS Ad Hoc Study Section Member, 2010, 2019
- National Parkinson Foundation Grant Reviewer, 2011
- Fonds Wetenschappelijk Onderzoek-Research Foundation Flanders (Belgium) Grant Reviewer, 2011, 2012, 2018
- Food and Health Bureau: Health and Health Services Research Fund (China) Grant Reviewer, 2011, 2013
- Qatar National Research Fund Grant Reviewer, 2011
- MS Research Australia Grant Reviewer, 2011
- National Sciences and Engineering Research Council of Canada (NSERC), Canadian Institutes of Health Research (CIHR) Grant Reviewer, 2011
- Alzheimer's Association Grant Reviewer, 2012
- NIH, Special Emphasis Panel Reviewer, Musculoskeletal Rehabilitation, 2012
- NIH, Special Emphasis Panel Reviewer, Neurobiological Mechanisms of Brain Diseases, 2012
- Alberta Innovates Health Solutions (Canada) Grant Reviewer, 2012
- Lead Guest Editor, 2012, Special Issue: Rehabilitation and Parkinson's Disease for the journal Parkinson's Disease
- NIH, NINDS, NSD-K Ad Hoc Study Section Member, 2013, 2017
- Department of Defense, Defense Medical Research and Development Program Grant Reviewer, 2013

- NIH, Brain Disorders and Clinical Neuroscience IRG, Ad Hoc Study Section Member, 2013
- NIH, Stroke Trials Network Reviewer, 2013
- Parkinson's Disease Foundation Grant Reviewer, 2013, 2014, 2015
- Health Research Board (Ireland) Grant Reviewer, 2013
- Lead Guest Editor, 2013, Special Issue Series: Rehabilitation and Parkinson's Disease for the journal Parkinson's Disease
- NIH, Special Emphasis Panel Reviewer, NINDS Clinical Trials, 2015, 2017
- Lee Silverman Voice Therapy (LSVT) Grant Reviewer, 2015
- NIH Special Emphasis Panel Reviewer, Exercise in Aging, 2015
- NIH Loan Repayment Program Ad Hoc Reviewer, NICHD, 2017
- Parkinson's UK Grant Reviewer, 2018, 2019
- NIH Mock Study Section, WUSM, 2018
- European Research Council, 2019
- Swiss National Science Foundation, 2019
- Swedish Knowledge Foundation, 2019
- NIH, SBIR/STTR: Psycho/Neuropathology Lifespan Development, STEM Education, 2020

Professional Societies and Organizations:

American Physical Therapy Association (APTA)

- 1994-present Member
 1997-present Member, Section on Research
 1998-present Member, Academy of Neurologic Physical Therapy
 2000-2004 Member, Oregon Physical Therapy Association
 2002-2006 Member, Neurology Section Research Committee
 2006-2009 Chair, Neurology Section Research Committee
 2013-2014 President Elect, Section on Research
 2013-2018 Member, Research Portfolio Task Force, Foundation for Physical Therapy
 2014-2018 Member, Scientific Advisory Council, Foundation for Physical Therapy
 2014-2018 President, Section on Research
 2014-2018 Delegate/Alternate Delegate, Section on Research, House of Delegates
 2019 Education Leadership Partnership Essential Resources Strategy Meeting

Missouri Physical Therapy Association (MPTA)

- 2004-present Member, Missouri Physical Therapy Association (MPTA)
 2010-2012 Chair, Research Committee

International Society for Posture and Gait Research

- 2002-present Member
 2013-2020 Member, Awards Committee
 2014-2016 Member, Scientific Content Committee

Other

- 1997-present Member, Society for Neuroscience
 2002-present, Member, Society for the Neural Control of Movement
 2005-present Member, Academic Women's Network
 2007-present Member, International Parkinson and Movement Disorder Society
 2008-present Member, Parkinson Disease Exercise and Physical Activity Network
 2010-present Member, Exercise and Parkinson's Disease Consortium
 2015-present Member, American Society of Neurorehabilitation
 2017-2018 Member, Frontiers in Rehabilitation Science and Technology (FiRST) Council

Major Invited Professorships and Lectureships:

1. "Training Turning: Potential Clinical Application of the Rotating Treadmill", Neurological Sciences Institute, Oregon Health & Science University, October 2006, Portland, OR
2. "Effects of Dance on Balance and Mobility in Parkinson Disease", The Science of Balance Rehabilitation Workshop, January 2008, Phoenix, AZ
3. "Use of Tango to Improve Functional Mobility in Individuals with Parkinson Disease", First International Tango Therapy Congress, July 2008, Rosario, Argentina
4. "From Research to Practice: A Physical Therapy Perspective on Parkinson Disease", Davis Phinney Foundation Victory Summit, October 2008, Westminster, CO
5. "Dance as Therapy for Individuals with Parkinson Disease", European Psychology Society Workshop on Dance and the Cognitive Neurosciences, January 2009, London, UK
6. "Shall We Dance? Benefits of Dance for People with Parkinson Disease", Parkinson Disease Foundation and Houston Area Parkinson's Society, April 2009, Houston, TX
7. "The Why and How of Tango for PD", University of Cincinnati Sunflower Revolution, September 2009, Cincinnati, OH
8. "Tango for Parkinson Disease: Latest Evidence and Guidelines for Implementation", Second International Tango Therapy Congress, October 2009, Mendoza, Argentina
9. "Long-term Effects of a Community-Based Tango Program for People with Parkinson Disease", Third International Tango Therapy Congress, July 2010, Buenos Aires, Argentina
10. "Tango for Parkinson Disease: A Research Synthesis", Fourth International Tango Therapy Congress, July 2011, Rosario, Argentina
11. "Locomotor Control in Parkinson Disease", Neurology Grand Rounds, Oregon Health & Science University, September 2011, Portland, OR
12. "From Turtles to Turning to Tango: Studies on the Neural Control of Movement", Arcadia University, January 2012, Glenside, PA
13. "Workshop on Patient Care: The St. Louis Experience", XII ParkinsonItalia Conference, April 2012, Cuneo and Verbania, Italy
14. "Rehabilitation Today: Tangotherapy", XII ParkinsonItalia Conference, April 2012, Cuneo and Verbania, Italy
15. "PD4PD: Partnered Dance for Parkinson Disease" The 2012 McMaster NeuroMusic Conference "Come Dance With Me: Movement Control in Brain and Body", October 2012, Hamilton, ON, Canada
16. "Diagnosis and Treatment of Gait and Balance Disorders", Neuroedge: International Neurology Update, April 2013, Mumbai, India
17. "Coupling the Benefits of Pharmacological and Surgical Approaches with Rehabilitation", International Symposium on Postural Instability and Falls in Parkinson Disease, June 2013, Sydney, Australia
18. "10 Things to Know About Rehabilitation in Parkinson Disease", International Society of Posture and Gait Research, June 2013, Akita, Japan
19. "Turning Point: How Experience Can Modify Trajectory", Sensing Motion for Action: A Tribute to the Career of Geoffrey Melvill Jones, July 2013, Montreal, Canada
20. "How Do We Know Dance Helps People with Parkinson's?", World Parkinson Congress, October 2013, Montreal, Canada
21. "Testudo to Tango: A Moving Story", University of Maryland, May 2014, College Park, MD
22. "National Parkinson's Disease Roundtable", YMCA of the USA, October 2014, Online Meeting
23. "The Science and Beauty of Tango: A Joint Presentation with the St. Louis Symphony's Cortango", St. Louis College of Pharmacy Convocation Series, January 2015, St. Louis, MO

24. "The Power of Tango", St. Louis Symphony Community Cares Program, St. Louis Symphony Powell Hall, April 2015, St. Louis, MO
25. "Rehabilitation in Parkinson's Disease: Exercise is as Important as Medication", World Confederation for Physical Therapy, May 2015, Singapore
26. "Keep Your Balance: Caring for Mind and Body with Parkinson's", Partners in Parkinson's, Michael J. Fox Foundation, October 2015, St. Louis, MO
27. "A Contemporary View of Exercise for Movement Disorders", International Parkinson's and Movement Disorder Society, June 2016, Berlin, Germany
28. "Tango, and Parkinson Disease", ParkinsonItalia, Verbania, Italy, June 2016
29. "Practical implications: Integration of exercise into everyday life", World Parkinson Congress, September 2016, Portland, OR
30. "Addressing Movement Disorders Through Movement: Exercise, Rehabilitation and Parkinson Disease", University of Alabama, March 2017, Birmingham, AL
31. "Moving Toward Better Health: The Importance of Exercise for People with Parkinson's Disease", Iowa State University, April 2017, Ames, IA
32. "Movement Matters: Exercise, Rehabilitation and Parkinson Disease", University of Florida, October 2017, Gainesville, FL
33. "Let Yourself Fall", Northwestern University Department of Physical Therapy and Human Movement Sciences, Commencement Speaker, April 2018, Chicago, IL
34. "Falls and Freezing in Parkinson's Disease", Keynote Presentation, Neuro-Optometric Rehabilitation Association, September 2018, St. Louis, MO
35. "Enfermedad de Parkinson y Tango: Doce Años de Investigación Resumida en Dos Minutos y una Sola Tabla", Twelfth International Tango Therapy Congress, July 2020, Rosario, Argentina

Consulting Relationships and Board Memberships:

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| 2008-present | Parkinson Disease Exercise and Physical Activity Network (PD EXACT)
Member, Founding and Advisory Committee |
| 2009 | Second International Congress of Tangotherapy
Honorary Committee, Mendoza, Argentina |
| 2010 | Third International Congress of Tangotherapy
Honorary Committee, Buenos Aires, Argentina |
| 2011 | Fourth International Congress of Tangotherapy
Honorary Committee, Rosario, Argentina |
| 2012 | Fifth International Congress of Tangotherapy
Honorary Committee, Rosario, Argentina |
| 2013 | Sixth International Congress of Tangotherapy
Honorary Committee, Rosario, Argentina |
| 2014-present | The Rehabilitation Institute of St. Louis
Governing Body Member |
| 2015-2016 | Canadian Institutes of Health Research
Dance and Parkinson's Disease: A Research Dissemination Project
Investigative Team: Rachel Bar, Jennifer Lapum, Michelle Dionne, & Lorraine Kalia, Advisory Committee Member/Consultant |
| 2017 | American Parkinson Disease Association
Blue Ribbon Exercise Panel |
| 2017 | Foundation for Physical Therapy
Committee on Research |
| 2018 | Boston University College of Health & Rehabilitation Sciences: Sargent College,
Academic Program Reviewer |

2020 NINDS/NICHD Common Data Elements (CDEs) Rehabilitation Working Group
 2020-2023 Parkinson's UK College of Experts
 2020 World Health Organization Rehabilitation Package of Interventions Development Group for Parkinson's Disease

Research Support:

Governmental (current)

R61 AT010753 (PI: Gammon Earhart) 2019-2021
 NIH/NCCIH \$779,696
 Sing for Your Saunter: Using Self-Generated Rhythmic Cues to Enhance Gait in Parkinson's
 Role: PI

R01 HD092444 (PIs: Gammon Earhart, Terry Ellis) 2018-2023
 NIH/NICHD \$3,545,000
 Walking and mHealth to Increase Participation in Parkinson Disease (WHIP-PD)
 Role: Co-Principal Investigator

R01 NS075321 (PI: Joel Perlmutter) 2017-2021
 NIH/NINDS \$3,138,000
 Investigations of Dementia in Parkinson Disease
 Role: Co-Investigator

R01 HD068290 (PI: Catherine Lang) 2017-2022
 NIH/NICHD \$2,200,000
 Translation of In-Clinic Gains to Gains in Daily Life After Stroke
 Role: Co-Investigator

R01 NS097437 (PI: Meghan Campbell) 2017-2022
 NIH/NINDS \$2,400,000
 Parkinson disease clinical subtypes: Validation, clinical utility,
 and biological correlates
 Role: Co-Investigator

Governmental (past)

F32 NS41804 (PI: Gammon Earhart) 2002-2004
 NIH National Research Service Award \$73,740
 Locomotor Adaptation Following Podokinetic Stimulation
 Role: Principal Investigator

K01 HD048437 (PI: Gammon Earhart) 2005-2009
 NIH \$494,432
 Mentored Research Scientist Career Development Award
 Parkinsonian Gait Disorders: Mechanisms and Treatment
 Role: Principal Investigator

R01 DC04082 (PI: Fay B. Horak) 2006-2011
 NIH/NIDCD \$8,500/year
 Oregon Health & Science University
 Adaptation of Spatial Orientation in Locomotion and Posture
 Role: Co-Investigator

R01 HD056015 (PI: Gammon Earhart) NIH/NCMRR Oculomotor Control and Gait in Parkinson Disease Role: Principal Investigator	2009-2012 \$475,200
R01 NS041509 (PI: Joel Perlmutter) NIH/NINDS Mechanisms of Deep Brain Stimulation Role: Co-Investigator	2009-2017 \$3,385,654
R01 HD070855 (PI: Tamara Hershey) NIH/NICHD Tracking Neurodegeneration in Early Wolfram Syndrome Role: Co-Investigator	2012-2017 \$2,400,000
T32 HD007434 (PI: Gammon Earhart) NIH/NICHD Doctoral Training Program in Movement Science Role: Principal Investigator	2013-2017 \$450,000
R01 NS077959 (PI: Gammon Earhart) NIH/NINDS Exercise and Parkinson's: Comparing Interventions and Exploring Neural Mechanisms Role: Principal Investigator	2012-2018 \$1,900,000
<u>Non-Governmental (current)</u>	
Grammy Museum Grant (Co-PIs: Elinor Harrison, Gammon Earhart) The Use of Singing to Aid Gait in Parkinson's Disease Role: Co-Principal Investigator	2018-2019 \$11,514
<u>Non-Governmental (past)</u>	
Foundation for Physical Therapy (PI: Gammon Earhart) Promotion of Doctoral Studies II Role: Principal Investigator	1999-2000 \$15,000
St. Louis Chapter Equipment Grant (PI: Gammon Earhart) American Parkinson Disease Association Electromyographic Studies of Gait in Parkinson Disease Role: Principal Investigator	2005 \$15,000
Marian Chace Foundation of the (PI: Madeleine Hackney) American Dance Therapy Association A study on the effects of Argentine tango as a form of partnered dance for those with Parkinson Disease and the Healthy Elderly Role: Co-Investigator	2006 \$2,600
American Parkinson Disease Association (PI: Gammon Earhart) Can Dance Improve Functional Mobility in Parkinson Disease? Role: Principal Investigator	2006-2008 \$50,000

Research Pilot Funds (PI: Gammon Earhart) Washington University Program in Physical Therapy Neuroplastic Adaptations Evoked via Resistance Training in Individuals with Parkinson Disease Role: Principal Investigator	2008 \$4,200
Missouri Physical Therapy Association (PI: Gammon Earhart) Neuroplastic Mechanisms for Increased Strength Following Resistance Training Role: Principal Investigator	2008-2009 \$5,000
St. Louis Chapter Equipment Grant (PI: Gammon Earhart) American Parkinson Disease Association Eye Movement Tracking in Parkinson Disease Role: Principal Investigator	2008 \$15,000
New Resource Proposal (PI: Gammon Earhart) McDonnell Center for Systems Neuroscience Studies of Oculomotor Dysfunction and Walking in Parkinson Disease Role: Principal Investigator	2008 \$4,300
Center for Programs at Washington University in St. Louis (PI: Gammon Earhart) Contact Improvisation and Parkinson's Disease Role: Principal Investigator	2009-2010 \$6,500
Missouri Physical Therapy Association (PI: Gammon Earhart) Contact Improvisation and Parkinson Disease: A Pilot Study Role: Principal Investigator	2009-2010 \$5,000
BJHF/ICTS Clinical and Translational Research Award (PI: Gammon Earhart) Role of Oculomotor Control in Parkinsonian Gait: Mechanisms and Treatment Role: Principal Investigator	2009-2011 \$130,000
Parkinson's Disease Foundation (PI: Gammon Earhart) PD4PD: Partnered Dance for Parkinson Disease Role: Principal Investigator	2009-2011 \$150,000
Davis Phinney Foundation (Co PIs: Lee Dibble, G. Earhart, Terry Ellis) Unveiling the Natural History of Quality of Life and Mobility Decline in Persons with Parkinson's Disease: A Prospective Cohort Study Role: Co-Principal Investigator	2009-2012 \$322,000
Parkinson's Disease Foundation (PI: Matt Ford, Univ of Alabama Birmingham) Unveiling the Natural History of Quality of Life and Mobility Decline in Persons with Parkinson's Disease: A Prospective Cohort Study Role: Co-Principal Investigator	2009-2012 \$96,000
Research Pilot Funds (PI: Gammon Earhart) Washington University Program in Physical Therapy Resting State Functional Connectivity in Parkinson Disease	2010-2011 \$2,000

Role: Principal Investigator	
Research Pilot Funds (PI: Gammon Earhart) Washington University Program in Physical Therapy Neuroimaging of Locomotor Adaptations to Rotating Treadmill Training Role: Principal Investigator	2011-2012 \$2,000
American Parkinson Disease Association (PI: Gammon Earhart) Community-Based Tango Classes for People with Parkinson Disease Role: Principal Investigator	2011-2012 \$10,000
12-001 (PI: Gammon Earhart) Mallinckrodt Institute of Radiology Neurophysiologic Benefits of Tango Dancing versus Treadmill Training in Individuals with Parkinson Disease Role: Principal Investigator	2011-2012 \$10,000
University Research Strategic Alliance (PI: Susan Stark) Fall Detection Device Role: Consultant	2011-2012 \$25,000
University Research Strategic Alliance (PI: Gammon Earhart) Freezing of Gait in Parkinson Disease: An Interdisciplinary Approach Role: Principal Investigator	2011-2012 \$25,000
American Parkinson Disease Association (PI: Gammon Earhart) Resting State Functional Connectivity MRI: Development of Neuroimaging Methods in Parkinson Disease Role: Principal Investigator	2011-2013 \$20,000
Neurology/Health South Central Nervous System (PI: Gammon Earhart) Recovery/Restoration Award Gaze Behavior and Locomotion in Parkinson Disease Role: Principal Investigator	2012-2013 \$30,000
Parkinson's Disease Fd. Conf. Award (PI: L Dibble, G Earhart, T Ellis, M Ford) International Symposium on Postural Instability and Falls in Parkinson Disease (Sydney, Australia) Role: Co-Principal Investigator	June 2013 \$16,500
Research Pilot Funds (PI: Gammon Earhart) Washington University Program in Physical Therapy Dynamics, Adaptation, and Cognitive Influence Across Motor Systems in Parkinson Disease Role: Principal Investigator	2013 \$2,000
Neurology/Health South Central Nervous System (PI: G Earhart, M McNeely) Recovery/Restoration Award Telemedicine & Tango for Parkinson's Disease: In-Person vs. Virtual Dance Class Role: Co-Principal Investigator	2015-2017 \$30,000

Research Pilot Funds (PI: Gammon Earhart) Washington University Program in Physical Therapy Development Of A Clinical Tool To Predict Fall Risk In Alzheimer Disease Role: Principal Investigator	2016 \$2,100
Neurology/Health South Central Nervous System (PI: Gammon Earhart) Recovery/Restoration Award Self-Management of Gait, Speech and Dexterity in Parkinson Disease: Is There an App for That? Role: Principal Investigator	2016-2018 \$90,000
Research Pilot Funds (PI: Gammon Earhart) Washington University Program in Physical Therapy Effect of a Custom Oral Device on Motor and Non-motor Symptoms in People with Parkinson Disease Role: Principal Investigator	2019 \$1,400
Barnes Jewish Hospital Foundation/ICTS Pilot Award (PI: Arye Nehorai) Modeling and Tracking Freezing of Gait in Parkinson Disease Role: Co-Investigator	2018-2019 \$50,000

Patents:

N/A

Clinical Title and Responsibilities:

2004-present Member, Movement Disorders Center
Washington University School of Medicine

Teaching Title and Responsibilities:

Current

Professional Clinical Doctorate (DPT) Curriculum, Washington University School of Medicine
2004-present PT605 Neuroscience, Course Master
2005-present PT613 Kinesiology II, Lecturer
2005-present PT654 Case Integration III, Advisor
2005-present PT650 Diagnosis and Evidence Analysis in Physical Therapy III, Advisor
2005-present PT629 Diagnosis & Mgmt of Neuromuscular Conditions I, Guest Lecturer
2011-present PT653 Health, Fitness and Prevention, Guest Lecturer
2017-present PT625 Neurology Medicine, Guest Lecturer

Movement Science PhD Curriculum, Washington University in St. Louis
2004-present L63 IPMS 5850 Program Seminar, Guest Lecturer
2004-present L63 IPMS 5610 Movement Science III-Biocontrol, Guest Lecturer

Division of Biology and Biomedical Sciences, Washington University School of Medicine
2006- present BIO 5915 Teaching Practice in Biology and Biomedical Sciences, Mentor

Undergraduate, Washington University in St. Louis
2005-present BIO 181 Freshman Seminar in Biology, Guest Lecturer
2005-present BIO 200/500 Independent Study--Undergraduate Research in Biology, Mentor
2010-present U31 285 Introduction to Somatic Practices, Performing Arts Department,

Guest Lecturer

2016-present I50-175 Designing Creativity: Innovation Across Disciplines, Guest Lecturer

2017-present BIO 171 Neuroscience Seminar, Guest Lecturer

Past

My prior teaching responsibilities were in the areas of neuroscience, motor control, and motor learning. I taught at Washington University, Pacific University, and Oregon Health & Science University.

Trainee Advisement

Postdoctoral Fellows

2019-present Elinor Harrison, PhD

PhD in Movement Science earned in December 2018

2010-2014 Kristen Pickett, PhD

PhD in Kinesiology earned in May 2010

2012-2015 NIH Loan Repayment Program

2011-2012 NIH Postdoctoral Trainee, 2T32HD007434-18A

2012-2013 Parkinson Study Group Mentored Clinical Research Award

Currently: Assistant Professor, University of Wisconsin-Madison

2015-2016 Gustavo Christofoletti, PT, MS, PhD

PhD in Neuroscience earned in 2010

Currently: Adjunct Professor Federal University of Mato Grosso do Sul, Campo Grand, Brazil

Graduate Students

2004-2008 Minna Hong, PT, PhD

Movement Science Ph.D. earned in May 2008

2005-2008 Promotion of Doctoral Studies Awards, Foundation for Physical Therapy

2007-2008 NIH NRSA Predoctoral Fellowship F31 NS566532

2005-2009 Madeleine Hackney, PhD

Movement Science Ph.D. earned in May 2009

2006-2007 Marian Chace Foundation Grant

2007 Washington University Graduate Student Research Symposium 2nd prize

2008 Society for Neuroscience Chapters Graduate Student Travel Award

2009 European Psychological Society Student Travel Award

Currently: Research Health Scientist, Atlanta VA Medical Center and Associate Professor of Gerontology at Emory University

2006-2010 Michael Falvo, PhD

Movement Science Ph.D. earned in May 2010

2008 National Strength and Conditioning Association Doctoral Student Research Grant

Currently: Research Health Scientist, VA New Jersey War Related Illness and Injury Study Center and Associate Professor at Rutgers University

2008-2012 Corey Lohnes, PhD, MS

- Movement Science Ph.D. earned in May 2012
 2009 World Federation of Neurology Travel Grant
 Technology Transfer Trainee at Washington University in St. Louis, 2012
 Currently: Senior Client Partner at Grant Cooper and Associates Executive Search Firm, Clayton, MO
- 2008-2012 Marie McNeely, PhD
 Neuroscience Ph.D. earned in May 2012
 2011-2012 NIH NRSA Predoctoral Fellowship F31 NS071639
 Nominee, Lindau Nobel Laureate Meeting, 2011
 Currently: Co-Founder, People Behind the Science and Unfold Productions
- 2009-2013 Dan Peterson, PhD, MSCI
 Movement Science PhD and Master of Science in Clinical Investigation earned in August 2013
 2010-2013 NIH TL1 Predoctoral Clinical Research Trainee, TL1RR024995
 2012 NIH-sponsored Training Course in fMRI, University of Michigan
 Currently: Assistant Professor, Arizona State University
- 2009-2011 Abi Leddy, DPT, MSCI
 NIH TL1 Predoctoral Clinical Research Trainee, TL1RR024995
 DPT Class of 2011
 Master of Science in Clinical Investigation earned in May 2011
 2010 Platform Presenter Representing Washington University at the National Predoctoral Clinical Research Training Program Meeting
 2011 Mary McMillan Scholarship from the American Physical Therapy Association
 Currently: Physical Therapist
- 2009-2012 Laura Golden, OTD
 OTD Class of 2012, completed her dissertation work, co-mentored by Dr. Erin Foster
- 2010-2012 Ryan Duncan, PT, DPT
 Post-professional DPT Class of 2012, completed his capstone research
 2012 Loraine F. Lake Award
 2013-2018 NIH Loan Repayment Program
 2016-2019 K12 CORRT Scholar
 Currently: Assistant Professor of Physical Therapy and Neurology, Washington University in St. Louis
- 2011-2013 April Williams
 NIH TL1 Predoctoral Clinical Research Trainee, TL1RR024995
 DPT Class of 2013
 Master of Science in Clinical Investigation earned in May 2012
 Currently: Assistant Professor at Louisiana State University
- 2012-2016 Samuel Nemanich, PhD
 Movement Science Ph.D. earned in 2016
 2013-2014 Parkinson's and Movement Disorder Foundation Grant

2013 Gordon Research Conference Travel Award
2014-2016 NIH TL1 Predoctoral Clinical Research Trainee, TL1RR024995
2014 Parkinson's Disease Foundation Travel Award
Currently: Postdoctoral Fellow, University of Minnesota

2014-2018 Elinor Harrison, PhD
Movement Science Ph.D. earned in 2018
2015 Tom Thach Award – WUSTL Neuroscience Retreat
2016 Graduate Professional Council Travel Award
2017 Three Minute Thesis Winner
2018 Grammy Museum Grant
Currently: Postdoctoral Fellow, Washington University in St. Louis

2014-2018 Peter Myers, PhD
Movement Science Ph.D. earned in 2018
2016 World Parkinson Congress Travel Award
Currently: Postdoctoral Fellow, Washington University in St. Louis

2015-2017 Katie Seidler, DPT, MSCI
NIH TL1 Predoctoral Clinical Research Trainee, TL1RR024995
DPT Class of 2017
Master of Science in Clinical Investigation earned in May 2016
Currently: Postdoctoral Fellow, University of Colorado

2017-2020 Adam Horin, MA, PhD
Movement Science Ph.D. earned in 2020
2017 NSF Graduate Fellowship Honorable Mention
2019 Society for Neuroscience Trainee Professional Development Award
Currently: Postdoctoral Fellow, Shirley Ryan Ability Lab

2018-present David May, DPT
3rd year Movement Science Ph.D. student

2020-present Lauren Tueth, DPT
1st year Movement Science Ph.D. student

Undergraduate Students

2005-2006 Elizabeth Stevens, Biology Major, Class of 2007, completed Bio 500/500W honors thesis project, Recipient of 2007 Stalker Prize in Biology

2006 John O'Keefe, Biology Major, Class of 2007, completed Bio 500/500W
Svetlana Kantorovich, Biology Major, Class of 2007, completed Bio 500/500W

2007 Autumn Brockman, Biology Major, Class of 2008, completed Bio500
Ryan Choi, Biology Major, Class of 2009, completed Bio500

2008-2011 John Scott, Biology Major, Class of 2011, completed Bio 200 and Bio 500 thesis project

2010-2012 Kelly Hill, Biomedical Engineering Major, Class of 2012, completed Bio 200 and Bio 500
2011 Mallinckrodt Institute of Radiology Summer Research Fellowship

- 2011 Washington University Undergraduate Research Conference Travel Award
- 2011-2014 Laura Pilgram, Biology Major, Class of 2014, Summer Research Experience 2011, completed Bio 200, Bio 500/500W honors thesis project
- 2012-2014 Ashley Ederle, Anthropology/Global Health Major, Class of 2015, completed Bio 200
- 2014-2016 Marina Mai, Anthropology/Dance, Class of 2016
- 2015-2016 Albert Mo, Biology, Class of 2016
- 2017-2019 Pooja Belur, Cognitive Neuroscience, Class of 2019
- 2017-2019 Diana Hsiao, Biology, Class of 2019
- 2020 Kalysta Lee, Biology, Class of 2022
- 2020 Forrest Whiting, Performing Arts, MARC u-STAR Scholar, Class of 2022

Summer Students

- 2006 Rachel Katz, Communications/Religion Major, Class of 2008, Northwestern University, Center for Aging Summer Research Experience
- 2006 Mandy Wong, DPT Class of 2007, Washington University in St. Louis, NIH TL1 Predoctoral Clinical Research Summer, Fellowship 2006, TL1RR024995
- 2008 Heidi Schmidt, Biology Major, Class of 2009, Washington University in St. Louis, Summer Research Experience
- 2009 Jennifer Sylvester, DPT Class of 2011, Washington University in St. Louis, NIH TL1 Predoctoral Clinical Research Summer, Fellowship, TL1RR024995
- 2016 Adam Horin, BS (Neurobiology/Physiology, Purdue University), Master of Arts in Audio Technology, American University, Summer Research Intern
- 2018 Caleb Longley, Exercise Science Major, Class of 2021, Truman State University, ASPIRE Summer Intern
- 2018 Olivia Fehrmann, Biology Major, Class of 2021, Washington University in St. Louis, Center for Aging Summer Research Experience
- 2019 Tishiya Carey, Global Cultural Studies Major, Class of 2021, Washington University in St. Louis, ASPIRE Summer Intern
- 2019 Zainab Ali, Public Health Major, Class of 2021, St. Louis University, Center for Aging Summer Research Experience
- 2020 Kyla Kikkawa, Beyond Boundaries Scholar, Class of 2023, Washington University in St. Louis, Center for Aging Summer Research Experience

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69. Duncan, R.P., **Earhart, G.M.** (2012) Four square step test performance in individuals with Parkinson disease. Combined Sections Meeting, Chicago, IL.
70. Williams, A.J., **Earhart, G.M.** (2012) Gait coordination in Parkinson disease: effects of step length and cadence manipulations. Combined Sections Meeting, Chicago, IL.
71. Ellis, T., Cavanaugh, J.T., **Earhart, G.M.**, Ford, M.P., Foreman, K.B., Dibble, L.E. (2012) Association between low activity levels and falling in women and men with Parkinson disease. BIRCWH Scholars Meeting, Bethesda, MD.
72. Duncan, R.P, **Earhart, G.M.** (2012) Community-based dance for people with Parkinson disease: an 18-month intervention study, ISPGR, Trondheim, Norway.
73. **Earhart, G.M.**, Duncan, R.P. (2012) Should one measure balance or gait to best predict falls among people with Parkinson disease? ISPGR, Trondheim, Norway.

74. Pickett, K.A., Duncan, R.P. Permutt, A., Hershey, T. **Earhart G.M.** (2012) Gait and balance impairment in Wolfram syndrome. ISPGR, Trondheim, Norway.
75. Peterson, D.S., Pickett, K.A., **Earhart, G.M.** (2012) Cortical and subcortical brain activity during imagined gait tasks across age. ISPGR, Trondheim, Norway.
76. Ford, M.P., Cavanaugh, J.T., **Earhart, G.M.**, Ellis, T., Foreman, K.B., Husingsh, C., McGwin G., Dibble, L.E. (2012) Methodological challenges in a prospective longitudinal cohort study of persons with PD: does a study of exercise behavior naturally bias the study sample? Movement Disorder Society Annual Meeting, Dublin, Ireland.
77. Dibble, L.E., Cavanaugh, J.T., **Earhart, G.M.**, Ellis, T., Ford, M.P., Foreman, K.B. Ambulatory activity monitoring: Capturing participation-level decline in Parkinson disease. (2012) Movement Disorder Society Annual Meeting, Dublin, Ireland.
78. Ford, M.P., Cavanaugh, J.T., **Earhart, G.M.**, Ellis, T., Foreman, K.B., Husingsh, C., McGwin G., Dibble, L.E. (2012) Charting the progression of disability Parkinson disease (CHOP PD): changes in disability over 12 months. Movement Disorder Society Annual Meeting, Dublin, Ireland.
79. Duncan, R.P., Leddy, A., Cavanaugh, J., Dibble, L., Ellis, T., Ford, M., Foreman, K.B., **Earhart, G.M.** (2013) Predicting falls in Parkinson disease: is the Brief-BESTest as good as the Mini-BESTest? APTA Combined Sections Meeting, San Diego, CA.
80. Williams, A.J., Peterson, D.S., Ionno, M., **Earhart, G.M.** (2013) Upper Extremity Freezing and Dyscoordination in Parkinson Disease: Effects of Amplitude and Cadence Manipulations. Missouri Physical Therapy Association, St. Louis, MO.
81. Duncan, R.P., Leddy, A.L., Cavanaugh, J.T., Dibble, L.E., Ellis, T., Ford, M.P., Foreman, K.B., **Earhart, G.M.** (2013) Prospective measurement of balance decline in people with Parkinson disease: An exploratory analysis. Missouri Physical Therapy Association, St. Louis, MO.
82. Duncan, R.P., Leddy, A.L., Cavanaugh, J.T., Dibble, L.E., Ellis, T., Ford, M.P., Foreman, K.B., **Earhart, G.M.** (2013) Predictors of changes in balance over 6 and 12 months in Parkinson disease: An exploratory analysis. Movement Disorder Society Annual Meeting, Sydney, Australia.
83. Duncan, R.P., Leddy, A.L., Cavanaugh, J.T., Dibble, L.E., Ellis, T., Ford, M.P., Foreman, K.B., **Earhart, G.M.** (2013) Prospective measurement of balance decline in people with Parkinson disease. Movement Disorder Society Annual Meeting, Sydney, Australia.
84. Nemanich, S.T., Duncan, R.P., Cavanaugh, J.T., Dibble, L.E., Ellis, T., Ford, M.P., Foreman, K.B., **Earhart, G.M.** (2013) Predictors of walking speeds and differences between preferred and fast as possible walking speeds in people with Parkinson disease. Movement Disorder Society Annual Meeting, Sydney, Australia.
85. **Earhart, G.M.** (2013) Rehabilitation Update: Parkinson Disease. International Society of Posture & Gait Research, Akita, Japan.
86. Peterson, D.S., Pickett, K.A., **Earhart, G.M.** (2013) Supraspinal Control of Locomotion in Freezers and Non-freezers with Parkinson Disease. International Society of Posture & Gait Research, Akita, Japan.
87. Pickett, K.A., Peterson, D.S., Koller, J., Campbell, M.C., Snyder, A.Z., Perlmutter, J.S., **Earhart G.M.** (2013) Resting state functional connectivity in the motor network in individuals with Parkinson disease. International Society of Posture & Gait Research, Akita, Japan.
88. Hong, M., **Earhart, G.M.**, Kiratli, J. (2013) Outcomes of short-term participation in wheelchair dancing for individuals with spinal cord injuries: a pilot study. Academy of Spinal Cord Injury Professionals, Las Vegas, NV.
89. Nemanich, S.T., **Earhart, G.M.** (2013) Saccadic eye movements during natural viewing of human locomotion Gordon Conference: Eye Movements, Easton, MA.

90. **Earhart, G.M.**, Cote, D., Fisher, M., Leventhal, D., Sack, J. (2013) Overview: How do we know dance helps people with Parkinson's? World Parkinson Congress, Montreal, Canada.
91. Duncan, R.P., Leddy, A.L., Cavanaugh, J.T., Dibble, L.E., Ellis, T., Ford, M.P., Foreman, K.B., **Earhart, G.M.** (2013) Balance Differences Between People With and Without Freezing of Gait in Parkinson Disease. World Parkinson Congress, Montreal, Canada.
92. Peterson, D.S., Pickett, K.A., **Earhart, G.M.** (2013) Supraspinal control of locomotion in those with Parkinson Disease. Society for Neuroscience, San Diego, CA.
93. Nemanich, S.T., **Earhart, G.M.** (2014) Smaller after-effects following prism adaptation during walking in Parkinson disease. Neuromuscular Plasticity Symposium, Gainesville, FL.
94. Peterson, D.S., Pickett, K.A., Duncan, R.P, **Earhart, G.M.** (2014) Neural activity during imagined walking in people with Parkinson disease. APTA Combined Sections Meeting, Las Vegas, NV.
95. Duncan, R.P., Combs-Miller, S., Cavanaugh, J.T., Dibble, L.E., Ellis, T., Ford, M.P., Foreman, K.B., Leddy, A.L., **Earhart, G.M.** (2014) Are the 6 minute and 10 meter walk tests redundant in Parkinson disease? Barnes Jewish Hospital Multidisciplinary Research Conference, St. Louis, MO.
96. Duncan, R.P., Pickett, K.A., **Earhart, G.M.** (2014) Tango or treadmill? A comparison of two exercise interventions for people with Parkinson disease. Barnes Jewish Hospital Multidisciplinary Research Conference, St. Louis, MO.
97. Krampe, J. **Earhart, G.M.** (2014) Translation of dance-based research into practice, Gerontological Society of America, Washington D.C.
98. Nemanich, S.T. **Earhart, G.M.** (2014) Differences between two prism adaptation tasks in people with Parkinson disease with and without freezing of gait. Society for Neuroscience, Washington D.C.
99. Duncan, R.P., Pickett, K.A., **Earhart, G.M.** (2014) The effect of levodopa on identifying fall risk in Parkinson disease. Parkinson Study Group, St. Louis, MO.
100. Nemanich, S., **Earhart G.** (2014) After-effects following stepping on a rotating surface: A comparison of people with Parkinson disease with and without freezing of gait and healthy controls. Clinical Research Training Center, St. Louis, MO.
101. Duncan, R.P., Pickett, K.A., Weiss, R., **Earhart, G.M.**, Campbell, M.C. (2015) Do Measures of Balance, Motor Severity, or Executive Function Accurately Identify Fall History in Parkinson Disease? APTA Combined Sections Meeting, Indianapolis, IN.
102. Paul, S.S., Duncan, R.P., Cavanaugh, J.T., **Earhart, G.M.**, Ellis, T.D., Ford, M.P., Foreman, K.B., Leddy, A.L., Canning, C.G., Thackeray, A., Dibble, L.E. (2015) External Validation of a Simple Clinical Tool Used to Predict Falls in People with Parkinson Disease, Movement Disorder Society, San Diego, CA.
103. Nemanich, S.T., **Earhart, G.M.** (2015) Prism adaptation during reaching and walking: effects of task and aging on adaptation rate and after-effects. Society for the Neural Control of Movement, Charleston, SC.
104. Duncan, R.P., McNeely, M.E., **Earhart, G.M.** (2015) Characterizing Maximum Step Length Test Performance in People with Parkinson Disease. Missouri Physical Therapy Association, St. Louis, MO.
105. **Earhart, G.M.**, Canning, C. Dibble, L, Ellis, T., Rochester, L. (2015) Rehabilitation in Parkinson's Disease: Exercise is as Important as Medication, *Physiotherapy*, 101 (Suppl 1): e20.
106. Harrison, E., McNeely, M.E., **Earhart, G.M.** (2015) Testing the feasibility of singing to improve gait measures in Parkinson's disease. Neuroscience Retreat - Washington University in St. Louis, Grafton, IL.

107. Nemanich, S.T., **Earhart, G.M.** (2015) Effect of Parkinson disease and switching on saccade performance. Neuroscience Retreat - Washington University in St. Louis, Grafton, IL.
108. Myers, P., McNeely, M.E., **Earhart, G.M.**, Campbell, M.C. (2015) Beyond the basal ganglia: cerebellar volumetrics in Parkinson disease. Neuroscience Retreat - Washington University in St. Louis, Grafton, IL.
109. McNeely M.E., Pickett K.P., Duncan R.P., Hershey T., **Earhart G.M.** (2015) Longitudinal Changes in Gait in People with Wolfram Syndrome. Washington University Neuroscience Retreat, Grafton, IL.
110. Nemanich, S.T., **Earhart, G.M.** (2015) Automaticity of two motor tasks in Parkinson disease. Clinical Research Training Center, St. Louis, MO.
111. Duncan, R.P., McNeely, M.E., Cavanaugh, J.T., Dibble, L.E., Ellis, T.D., Ford, M.P., Foreman, K.B., **Earhart, G.M.** (2016) Tracking Progression of Motor Signs and Quality of Life Based on Motor Phenotype in Parkinson Disease. IV Step, Columbus, OH.
112. Duncan, R.P., McNeely, M.E., **Earhart, G.M.** (2016) Non-motor symptoms in Parkinson's disease: Relationships with measures of motor performance, APTA Combined Sections Meeting, Anaheim, CA.
113. Christoforetti, G., McNeely, M.E., Duncan, R.P. **Earhart, G.M.**, Campbell, M.C. (2016) Factors impacting mobility in Parkinson's disease: evaluating the contribution of age, disease severity and executive function. APTA Combined Sections Meeting, Anaheim, CA.
114. McNeely, M.E., Duncan, R.P., **Earhart, G.M.** (2016) Differential effects of tango, treadmill, and stretching interventions on gait in people with Parkinson Disease. Rehabilitation Research at NIH: Moving the Field Forward, Bethesda, MD.
115. Harrison, E., McNeely, M.E., **Earhart, G.M.** (2016) The feasibility of singing to improve gait in Parkinson disease. Rehabilitation Research at NIH: Moving the Field Forward, Bethesda, MD.
116. Myers, P., McNeely, M.E., **Earhart, G.M.**, Campbell, M. (2016) Are cognition and cerebellar volumes different in freezers and non-freezers in Parkinson disease? Rehabilitation Research at NIH: Moving the Field Forward, Bethesda, MD.
117. Duncan, R.P., McNeely, M.E., **Earhart, G.M.** (2016) Does distance walked after two minutes predict total 6 minute walk test distance in people with Parkinson disease? International Parkinson and Movement Disorder Society, Berlin, Germany.
118. McNeely, M.E., Duncan, R.P., **Earhart, G.M.** (2016) Differential effects of tango, treadmill, and stretching interventions on gait in people with Parkinson Disease. International Parkinson and Movement Disorder Society, Berlin, Germany.
119. Seidler, K.J., Duncan, R.P., McNeely, M.E., Hackney, M.E., **Earhart, G.M.** (2016) Feasibility and preliminary efficacy of a telehealth approach to group tango instruction for people with Parkinson disease. International Parkinson and Movement Disorder Society, Berlin, Germany.
120. McNeely, M.E., Duncan, R.P., **Earhart, G.M.** (2016) Quantity and intensity of physical activity in people with Parkinson disease during exercise interventions. World Parkinson Congress, Portland, OR.
121. Myers, P., McNeely, M.E., **Earhart, G.M.**, Campbell, M.C. (2016) Cerebellar volumes and cognitive differences between Parkinson disease with and without freezing of gait. World Parkinson Congress, Portland, OR.
122. Harrison, E., McNeely, M.E., **Earhart, G.M.** (2016) Singing as a cue to improve gait in Parkinson disease: a feasibility study. World Parkinson Congress, Portland, OR.
123. Seidler, K. J., McNeely, M.E., Duncan, R. P., **Earhart, G.M.** (2017) Relationship between gait and reactive postural control in fallers and non-fallers with Parkinson disease. APTA Combined Sections Meeting, San Antonio, TX.

124. Martin, R.A., Fulk, G., Duncan R.P., Cavanaugh, J.T., Ellis, T., Ford, M., Foreman, K.B., **Earhart, G.M.**, Dibble, L. (2017) Estimated clinically meaningful decline in Freezing of Gait Questionnaire and self-selected gait speed for individuals with Parkinson's disease. APTA Combined Sections Meeting, San Antonio, TX.
125. Martin, R.A., Fulk, G., Duncan R.P., Cavanaugh, J.T., Ellis, T., Ford, M., Foreman, K.B., **Earhart, G.M.**, Dibble, L. (2017) Quality of life measures that detect clinically important decline in Parkinson's disease. APTA Combined Sections Meeting, San Antonio, TX.
126. **Earhart, G.M.** (2017) Clinical practice guidelines abstracts: Methodology for production of best practice guidelines for rare diseases. *J Neurol Phys Ther*, 41(3): 198.
127. Harrison, E.C., McNeely, M.E., Horin, A.P., **Earhart, G.M.** (2017) Moving to song: Using one's own voice to enhance movement in healthy adults. International Association for Dance Medicine and Science Annual Conference, Houston, TX.
128. Harrison, E.C., McNeely, M.E., Horin, A.P., **Earhart, G.M.** (2017) Self-generated rhythmic cueing to improve gait patterns in healthy adults. Society for Music Perception and Cognition, San Diego, CA.
129. Harrison, E.C., McNeely, M.E., Horin, A.P., **Earhart, G.M.** (2017) The effects of internal versus external rhythmic cueing on gait performance in healthy adults. Society for Neuroscience, Washington D.C.
130. Myers, P.S., McNeely, M.E., **Earhart, G.M.** (2017) Differences in neural activity during motor imagery in people with Parkinson disease with and without freezing of gait. Society for Neuroscience, Washington D.C.
131. Duncan, R.P., Van Dillen L., Garbutt, J., **Earhart, G.M.**, Perlmutter, J.S. (2018) Low back pain in Parkinson disease: Impact on functional activities, physical activity, and quality of life. APTA Combined Sections Meeting, New Orleans, LA.
132. Martin, R., Fulk, K., Dibble, L., Ellis, T., Cavanaugh, J., Ford, M., Foreman, K., **Earhart, G.M.**, Fulk, G. (2018) Predicting walking activity in Parkinson's disease. APTA Combined Sections Meeting, New Orleans, LA.
133. Bemis-Dougherty, A., **Earhart, G.M.**, Scholtes, S., Ludewig, P. (2018) Incorporating the Movement System into Education and Research. APTA NEXT Meeting, Orlando, FL.
134. Harrison, E.C., McNeely, M.E., Horin, A.P., **Earhart, G.M.** (2018) Moving while singing: how internal cues can improve walking for older adults and people with Parkinson disease. Movement: Brain, Body, Cognition Annual Conference, Boston, MA.
135. Harrison, E.C., McNeely, M.E., Horin, A.P., **Earhart, G.M.** (2018) Self-generated rhythmic cueing to improve gait patterns in healthy adults. Neuroscience Retreat - Washington University in St. Louis, Grafton, IL.
136. Creel, T.H., Templin, L.A., McNeely, M.E., Rawson, K.S., Horin, A.P., Duncan, R.P., **Earhart, G.M.** (2019) A novel framework for addressing freezing of gait in Parkinson disease: Combining education and evidence-based interventions in a small group community setting. APTA Combined Sections Meeting, Washington, DC, & Missouri Physical Therapy Association, St. Louis, MO.
137. Harrison E.C., Horin A.P., McNeely M.E., Myers, P.S., Rawson, K.S., Sutter, E.N., **Earhart GM.** (2019) Self-generated auditory cues enhance gait kinematics for people with Parkinson disease. Movement: Brain, Body, Cognition. Tel Aviv, Israel.
138. Horin A.P., Harrison E.C., **Earhart G.M.** (2019) The effects of music and mental singing on gait and finger tapping variability in healthy adults and people with Parkinson disease. Society for Music Perception and Cognition. New York, NY.
139. Harrison E.C., Horin A.P., McNeely M.E., Myers, P.S., Rawson, K.S., Sutter, E.N., **Earhart G.M.** (2019) Differential effects of internal and external cues on gait kinematics in Parkinson disease. Society for Music Perception and Cognition. New York, NY.

140. Horin, A.P., Harrison, E.C., Rawson, K.S., **Earhart, G.M.** (2019) Auditory Cueing of Gait in Parkinson Disease: Responses to Different Cues in People with and without Freezing of Gait, American Neurological Association, St. Louis, MO.
141. Horin, A.P., Harrison, E.C., Rawson, K.S., **Earhart, G.M.** (2019) Differences in response to auditory cues across movement types in people with PD with and without freezing of gait. Society for Neuroscience, Chicago, IL.
142. Rawson, K.S., Duncan, R.P., DeAngelis T., Nordahl, T. **Earhart, G.M.**, Ellis, T.E. (2019) People living with Parkinson disease with and without freezing: Differences using the Neuro-QOL measurement system. Gerontological Society of America, Austin, TX.
143. Cavanaugh, J.T., Colon-Semenza C., DeAngelis T., Duncan, R., Fulford, D., Hessler, M., Nordahl, T., Rawson, K., **Earhart, G.M.***, Ellis, T. (2020) How well do clinical walking measures predict natural walking behavior in Parkinson disease? APTA Combined Sections Meeting, Denver, CO.
144. Duncan, R.P., Rawson, K.S., **Earhart, G.M.**, Van Dillen, L.R., Perlmutter, J.S. (2020) Physical therapy and deep brain stimulation in Parkinson disease: a pilot randomized controlled trial. International Parkinson & Movement Disorder Society, Philadelphia, PA.
145. May, D.S., Rawson, K.S., Moeller, D.R., Tueth, L.E., Duncan, R.P., Harrison, E.C., Horin, A.P., Myers, P.S., **Earhart, G.M.** (2020) Examining the effects of a dental mouthpiece on parkinsonian motor signs and symptoms. International Parkinson & Movement Disorder Society, Philadelphia, PA.
146. Ambler, S.A., Holleran, C.L., Norton, B.J., Burlis, T.L., **Earhart, G.M.** (2020) Transforming society through competency-based physical therapy education. ACAPT Education Leadership Conference, Milwaukee, WI.
147. Girnis, J., Ko, C., Cavanaugh, J.T., Colón-Semenza, C., DeAngelis, T., Duncan, R.P., Hessler, M., Holmes, M.B., Nordahl, T., Rawson, K.S., Shumate, S., **Earhart, G.M.**, Ellis, T.D. (2021) Is Fatigue Associated with Physical Activity in People with Parkinson Disease? APTA Combined Sections Meeting, Orlando, FL.
148. Zajac, J.A., Cavanaugh, J.T., Colón-Semenza, C., DeAngelis, T., Duncan, R.P., Hessler, M., Nordahl, T., Rawson, K.S., Shumate, S., **Earhart, G.M.**, Ellis, T.D. (2021) Life-Space as an Indicator of Active Mobility in Persons with Parkinson Disease. APTA Combined Sections Meeting, Orlando, FL.
149. May, D.S., Van Dillen L.R., **Earhart, G.M.**, Rawson, K.S., Perlmutter, J.S., Duncan, R.P. (2021) Effects of STN-DBS and levodopa on balance in people with Parkinson disease. APTA Combined Sections Meeting, Orlando, FL.
150. Maiti B., Rawson, K.S., Tanenbaum, A.B., Koller, J.M., Snyder, A.Z., Campbell, M.C., **Earhart, G.M.**, Perlmutter, J.S. (2021) Gait correlates of resting-state functional connectivity of cerebellar vermis in Parkinson disease. American Academy of Neurology.

Professional Presentations:

1. "Mechanisms and Treatment of Cerebellar Ataxia", Symposium co-presented with Amy J. Bastian, P.T., Ph.D. and Catherine E. Lang, P.T., Ph.D., APTA Meeting and Exposition, June 2000, Indianapolis, IN
2. "The Postdoctoral Fellowship: Why and How?", Symposium co-presented with Catherine E. Lang, P.T., Ph.D., APTA Combined Sections Meeting, Feb. 2003, Tampa, FL
3. "Turning to Parkinson's Disease: Plans for a Novel Treatment Strategy to Address Problems with Turning and Freezing During Gait", PT Conclave, September 2004, Washington University School of Medicine, St. Louis, MO
4. "Walking, Balance and Falls in Parkinson Disease: Recent Research and Practical Applications", Greater St. Louis Chapter of the American Parkinson Disease Association PEP Talk, April 2006, Richmond Heights, MO

5. "Walking, Balance and Falls in Parkinson Disease: Recent Research and Practical Applications", Gentiva SafeStrides™ Continuing Education Seminar, March 2007, St. Louis, MO
6. "Motor Control and Motor Learning: Recent Research and Practical Applications", Missouri Physical Therapy Association Fall Meeting, Maryville University, October 2007, St. Louis, MO
7. "Rotating Treadmill Adaptation: Mechanisms and Application", The Science of Balance Rehabilitation Workshop, January 2008, Phoenix, AZ
8. "Tango as Therapy for Individuals with Parkinson Disease", St. Louis University, December 2008, St. Louis, MO
9. "Adaptive Control of Spatial Orientation for Locomotion in Health & Disease" Alzheimer's Disease Research Center, Washington University School of Medicine, February 2009, St. Louis, MO
10. "Locomotor Adaptation in Health & Disease", VA Palo Alto Spinal Cord Injury Center, July 2009, Palo Alto, CA
11. "Research and Physical Rehabilitation in Parkinson Disease", Neurorehabilitation Grand Rounds, Washington University in St. Louis, September 2009, St. Louis, MO
12. "Adaptive Control of Locomotor Spatial Orientation in Health and Disease", Anatomy & Neurobiology Seminar Series, Washington University in St. Louis, November 2009, St. Louis, MO
13. "Resistance Training Induces Supraspinal Adaptations: Evidence from Movement-Related Cortical Potentials", Missouri Physical Therapy Association, April 2010, St. Louis, MO
14. "Parkinson Disease and Rehabilitation", Barnes Jewish Hospital Rehabilitation Lecture Series, May 2010, St. Louis, MO
15. "Rehabilitation in Parkinson Disease: Past, Present, and Future", Rehabilitation Research Day: Advances in Neuro Rehabilitation, The Rehabilitation Institute of St. Louis, October 2010, St. Louis, MO
16. "Gait Analysis", WUSM PM&R Resident Lecture Series, December 2010, St. Louis, MO
17. "Balance, Falls, and Physical Activity in Parkinson Disease", Balance and Falls Symposium Series, Oregon Health & Science University, September 2011, Portland, OR
18. "From Turtles to Turning to Tango: Studies on the Neural Control of Movement", University of Alabama at Birmingham, April 2012, Birmingham, AL
19. "From Turtles to Turning to Tango: Studies on the Neural Control of Movement", University of Delaware, April 2012, Newark, DE
20. "Making Fitness Fun: Parkinson Disease and Non-Traditional Community-Based Group Exercise", Symposium co-presented with Stephanie Combs, PT, PhD, NCS, APTA Combined Sections Meeting, January 2013, San Diego, CA
21. "Trial Reporting and Publication Strategies", Parkinson Study Group Introduction to Clinical Trials Course, September 2013, Montreal, Canada
22. "Living Well with PD: The Importance of Physical Activity, Self-Efficacy, and Creativity", World Parkinson Congress, October 2013, Montreal, Canada
23. "Tango as Therapy for People with Parkinson Disease: A Scientific and Musical Presentation with Cortango Orquesta of the St. Louis Symphony", Goldfarb School of Nursing, St. Louis, MO, September 2014
24. "Tango of Treadmill? A Comparison of Two Exercise Interventions for People with Parkinson Disease", Barnes-Jewish Hospital Department of Research for Patient Care Services, St. Louis, MO, October 2014
25. "Tango and Parkinson Disease", Parkinson Disease & Exercise Meeting, Chicago, IL, December 2014
26. "Active Interventions: Frequency, Intensity, Time, Type, Setting, and Duration", Parkinson Disease & Exercise Meeting, Chicago, IL, December 2014

27. "Falls in Parkinson Disease: Causes, Prediction, and Prevention", APTA Combined Sections Meeting, Indianapolis, IN, February 2015
28. "Exercise: What Do We Know About How It Impacts Parkinson's?", World Parkinson Coalition, World Parkinson Coalition Scientific Update, Webinar, October 2015
29. "Physical Therapy and Parkinson's: Exercise is as important as medication", Missouri Physical Therapy Association, St. Louis, MO, January 2016
30. "Neuroimaging of Motor and Sensory Function in Health and Disease", APTA Combined Sections Meeting, Anaheim, CA, February 2016
31. "Nothing To It, But To Do It: Integrating Exercise Into Everyday Life", St. Louis Parkinson Congress, St. Louis, MO, October 2017
32. "Not the Same Old Song and Dance: Rhythm and Parkinson's", MLA Lecture Series, Washington University in St. Louis, February 2018
33. "Not the Same Old Song and Dance: Novel Approaches to Rehabilitation in Parkinson Disease", Keynote Presentation at Barnes Jewish Hospital Interdisciplinary Rehabilitation Conference, St. Louis, MO, October 2018
34. "Integrating Current Evidence into Neurologic Physical Therapy Educational Programs", APTA Combined Sections Meeting, January 2019

Continuing Education (taken):

- APTA Meeting & Exposition, 2000, 2005
- Vestibular Rehabilitation for Balance and Dizziness, Calgary, AB, Canada, 2001
- NIH Regional Seminar on Program Funding and Grants Administration, Portland, OR, 2002
- Neurological Sciences Institute Grant Writing Workshop, Portland, OR, 2002
- Grantsmanship 101: The Investigator-Initiated NIH Grant, Portland, OR, 2003
- NIH NCMRR Trainee Workshop, Silver Springs, MD, 2003
- APTA Combined Sections Meeting, 2000, 2003, 2006- 2008, 2011-2018
- III Step: Linking Movement Science and Intervention, 2005
- Society for Neuroscience Meeting, 1999, 2001, 2003, 2005, 2011, 2013
- International Society for Posture and Gait Research, 2003, 2007, 2012, 2013
- World Parkinson Congress, 2006, 2010, 2013, 2016
- Mentoring and Supervision for the Responsible Conduct of Research, 2006
- Forging Your Own Path: A Summit on the Advancement of Women Faculty at Washington University, 2007
- Movement Disorders Society Meeting, 2008, 2013, 2015
- The Key Elements to Becoming an Effective Mentor, 2008
- Third Parkinson's Disease Foundation Exercise Meeting, 2010
- Mentoring and Morale: Society for Neuroscience Annual Neuroscience Departments and Programs Meeting, 2013
- Gordon Conference: Eye Movements, 2013
- Sensing Motion for Action Conference, 2013
- Progress in Motor Control IX, 2013
- WUSM Academic Medical Leadership Program for Physicians and Scientists, 2014
- Building, Retaining, and Sustaining a Diverse Student Body, 2014
- APTA Education Leadership Institute Fellow, July 2014-July 2015
- Preparing the Next Generation of Physical Therapists for Innovative Practice, Washington, DC, July 2014
- Leadership Retreat: Flexible Work Culture, Mission Disruption, Finding the Right Leaders, September 2014
- APTA NEXT Annual Conference, 2014, 2015, 2018

- APTA Education Leadership Conference, 2014, 2017
- ACAPT Clinical Education Summit, October 2014
- Diversity and Inclusion 1.0 and 2.0, St. Louis, MO, November 2014
- Professionalism for Clinicians & Scientists, November 2014
- Medical Education Day: Teaching as Leadership, December 2014
- World Confederation of Physical Therapy, May 2015
- Faculty Development Workshop: STEM Education, WUSM, May 2015
- Diversity and Inclusion 3.0, St. Louis, MO, November 2015
- Diversity and Inclusion 4.0, St. Louis, MO, January 2016
- Leading: Top Skills, Attributes, and Behaviors Critical for Success, WUSM, February 2017
- Taking Action: Unconscious Bias Training for Hiring Managers, WUSM, September 2017
- New Leader Onboarding Program, WUSM, 2017

Media Activities:

- “The Tango Effect” by Randall Roberts, The Riverfront Times, January 25-31, 2007
- “Vive, la tango!”, The Record (Washington University Newspaper), February 15, 2007
- “Tango improves balance, mobility in patients with Parkinson’s disease” by Beth Miller, Medical News Releases, January 30, 2008 (<http://mednews.wustl.edu>) & The Record, February 7, 2008
- “Exercise: Parkinson’s Patients Benefit from Tango” by Eric Nagourney, New York Times, February 12, 2008
- “Fancy Footwork as Therapy” by Cynthia Billhartz Gregorian, St. Louis Post Dispatch, April 7, 2008
- Ivanhoe Medical Breakthroughs, Nationwide News Release, April 2008
- “Finding the Beat Once Again”, CBS Evening News, April 15, 2008
- “The Neuroscience of Dance”, Scientific American, July 2008
- “Tango Therapy: The Healing Embrace”, The Argentines, Buenos Aires, Argentina, August 1, 2008
- “Tango Therapy”, The World on Public Radio International, July 29, 2008
- “Dance Class ‘Uplifting’ for Parkinson’s Patients”, USA Today, November 13, 2008
- “Dance for the Cure: Tango Improves Parkinson’s Study Says”, Student Life (Washington University), November 17, 2008
- Ellis, Terry (moderator), Gammon Earhart, Beth Fisher, Fay Horak, and Margaret Schenkman. "Exercise, Balance, and Parkinson's Disease." Journal of Neurologic Physical Therapy Journal Club Podcast, June 2009. Pasadena, CA: Science Audio. <http://www.scienceaudio.net/jnpt/200906/jnpt_200906_journal_club.mp3>
- “To Dance Again: Tango Meets Parkinson’s”, documentary produced by Kerstin Adelt, Higher Education Channel, <http://www.hectv.org/programs/spec/program.php?specialid=35>, 2009 (St. Louis Film Critics Association Award for Best Documentary Short, 2010)
- “Dancing the Tango May Help Parkinson’s Patients”, Fox Files News Feature, KTVI Channel 2, St. Louis, March 2, http://www.fox2now.com/news/ktvi-tango-helps-parkinsons-patients-030210_0_6088173.story, 2010
- “Dancing Tango is Used to Treat Various Diseases”, Clarin Newspaper, Buenos Aires, Argentina, July 29, 2010
- Health Benefits of Dance, Mysteries of the Human Body, Korean Broadcasting System, Seoul, South Korea, April 2011
- “Parkinson’s & dance: An unusual partnership unites” by Lindsey Tanner, Associated Press, December 2011

- “Dance as Complementary Therapy for Parkinson Disease”, Health Innovations in Context, <http://www.hinnovic.org/dance-as-complementary-therapy-for-parkinson-disease/>, December 2011
- “Earhart Gives Engaging Lecture and Receives Inaugural Alumni Achievement Award”, The Bulletin of Arcadia University, <http://bulletin.arcadia.edu/2012/02/earhart-gives-engaging-lecture-and-receives-inaugural-alumni-achievement-award/>, February 2012
- “Tai Chi for Parkinson Disease” video segment for Chinese Culture Days at the Missouri Botanical Gardens, March 2012
- “Benefits of Tango for People with Parkinson’s Disease” by Heather Stringer, Today in PT Magazine, May 2012
- “Transmission to Transformation: Defining a Global Trajectory for Excellence”, Arcadia Magazine, <http://magazine.arcadia.edu/inauguration-carl-oxholm-iii/featured-secondary/transmission-transformation-defining-global-trajecto>, Spring 2012
- “Teaching Tango for Parkinson’s: Gammon M. Earhart, PT, PhD”, Parkinson’s Disease Foundation Newsletter, Spotlight on Research, April 2013
- “Care to tango? Why people with Parkinson’s disease may want to put on their dancing shoes”, WUSM Outlook Magazine, August 2013
- “Washington People: Gammon Earhart, Reviving Freedom of Movement with Tango”, WU Record, March 2014
- “For Patients with Parkinson: It Takes Two to Tango”, Neurology Times, September 2014
- “Passionate and precise, the Tango is also therapeutic”, The Washington Post, September 2014
- “My Way: A New Approach to Parkinson Disease”, Azzurra TV Italy, <http://www.vcoazzurratv.it/galleria-video/video-relativi-a/vconotizie/video/vconotizie-del-27-giugno-2016.html>, June 2016
- “Dancing Helps Patients with Parkinson’s Disease”, KSDK News St. Louis, April 2017
- Sing for your saunter: Self-generated cues to enhance gait in Parkinson disease. International Society of Posture and Gait Research Blog, <http://www.ispgr.org/blogs>, June 2017
- “Dance for Parkinson’s Disease”, Movement Disorder Society Scientific Issues Committee Blog, <https://www.movementdisorders.org/MDS/Scientific-Issues-Committee-Blog/Dance-for-Parkinsons-Disease.htm>, March 2018
- “Finding Connections: James Parkinson, Turtles, and Hope”, World Parkinson Congress Blog, <https://www.worldpdcongress.org/home/2018/2/8/finding-connections-james-parkinson-turtles-and-hope>, April 2018
- “Parkinson’s Disease Awareness Month”, KSDK News St. Louis, April 2018
- “That’s Entertainment: Giving New Meaning to the Term ‘Healing Arts’”, PT Magazine, May 2019
- “Incorporating the Movement System into Education, Research and Practice: A Case Series”, PT Magazine, in press
- “Generation Rap: Veteran and Emerging Leaders Speak Out”, PT in Motion, December 2019

Community Activities:

- “The Cerebellum & Ataxia”, Alberta Ataxia Support Group, July 2001, Calgary, AB, Canada
- “What Causes Balance Problems and Falls? The Latest Research on Balance”, Elsie Stuhr Senior Center and Hearthstone at Murray Hill, February 2004, Beaverton, OR
- Brain Fair, Oregon Museum of Science and Industry, 2003, 2004

- “I’m Freezing: A Common Walking Problem Associated with Parkinson Disease”, article published in American Parkinson Disease Association St. Louis Parkinson Newsletter, Volume 1, February 2005
- “Exercise, Your Options: A Guide To Exercising With PD”, article in American Parkinson Disease Association St. Louis Parkinson Newsletter, Volume 20 No. 1, June 2007
- “A Celebration of Dance: How Dance Influences Movement in Individuals with Parkinson Disease”, Fundraiser for Greater St. Louis American Parkinson Disease Association, Founder, Organizer & Host December 2007, Invited Speaker/Special Guest 2008-2010, St. Louis, MO
- “Benefits of Dance for People with Parkinson Disease”, Training Session for Parkinson Disease Support Group Leaders, Greater St. Louis American Parkinson Disease Association, March 2008, St. Louis, MO
- “Addressing Functional Mobility Issues in Parkinson Disease”, St. John’s Mercy Physical Therapy Department In-Service, March 2008, St. Louis, MO
- “Get Active, Stay Active: An Overview of Exercise for People with Parkinson Disease”, Kirkwood Parkinson’s Disease Support Group, April 2008, Kirkwood, MO
- “Exercise for Seniors”, STAES Senior Exercise Program, April 2008, St. Louis, MO
- “It Takes Two to Tango, But an APDA Grant to Prove Its Benefits for People with PD”, The American Parkinson Disease Association Spring 2008 Newsletter
- “Alternative Approaches to Exercise”, article in American Parkinson Disease Association St. Louis Parkinson Newsletter, August 2008
- “Dancing Your Way to Better Health”, 4th Annual Healthy Living Senior Fair, St. Charles, MO, August 2008
- “Non-traditional Approaches to Exercise for People with Parkinson Disease”, St. Peters Parkinson’s Disease Support Group, St. Charles, MO, October 2008
- Greater St. Louis American Parkinson Disease Association Lucky 13 Fundraiser, Invited Speaker, October 2008
- College Student Interest Group in Neuroscience (CO-SIGN), Faculty Guest Speaker, Washington University in St. Louis, St. Louis, MO, January 2009
- “Brain Activity and Fatigue: Effects of Aging and Parkinson Disease”, St. Peters Parkinson’s Disease Support Group, St. Charles, MO, October 2009
- “Would You Like to Dance? APDA to Sponsor Tango Classes!”, article in American Parkinson Disease Association St. Louis Parkinson Newsletter, November 2010
- “Dancing Your Way to Better Health”, article in newsletter of the North Texas Chapter of the American Parkinson Disease Association, December 2010
- “PD4PD: Partnered Dance for Parkinson Disease”, article in American Parkinson Disease Association St. Louis Parkinson Newsletter, November 2011
- Judge, Annual Biomedical Research Conference for Minority Students, St. Louis, MO, November 2011
- Consultant, “The Parkinson Journey: From Diagnosis to Treatment to Cure” Resource DVD, Greater St. Louis Chapter American Parkinson Disease Association, 2012
- Clark Elementary School Science Enrichment Committee, Webster Groves, MO, 2009-2013
- Judge, Greater St. Louis Science Fair, St. Louis, MO, 2012, 2013
- “Physical Therapy and Exercise for Parkinson Disease”, article in American Parkinson Disease Association St. Louis Parkinson Newsletter, February 2013
- “Walking and Balance in Parkinson’s: The Latest Research”, Young Onset PD Support Group, Missouri Baptist Hospital, St. Louis, MO, February 2013
- APTA Section on Research Congressional Fly-In, Washington DC, February 2013
- “Brain Health”, Clark Elementary School, Webster Groves, MO, September 2013

- Office of Diversity Health Career Fair, Washington University in St. Louis, St. Louis, MO, February 2014
- “Exercise: Your Options”, Kirkwood PD Support Group, Kirkwood, MO, June 2014
- Meet the Researcher Mentoring and Networking Session, “Starting in Research” and “Research Career Paths”, World Confederation of Physical Therapy, Singapore, May 2015
- PT Day on Capitol Hill, Washington DC, June 2015
- Collegiate School of Medicine and Bioscience (CSMB) Saturday Scholars Program, Washington University School of Medicine, St. Louis, MO, February 2017
- “Move It! Exercise and Physical Activity are Key to Living Well with Parkinson’s”, in Every Victory Counts: Essential Information and Inspiration for a Lifetime of Wellness with Parkinson’s Disease, Davis Phinney Foundation, March 2017
- Postdoctoral Forum, University of Florida, October 2017
- “Interventions for Parkinson’s Disease”, BJC Neurodegenerative Conditions Course, St. Louis, MO, November 2017
- “The Power of Tango: Dance and Parkinson’s Disease”, Covenant Place, St. Louis, MO, February 2018
- “Nothing To It, But To Do It: Integrating Exercise Into Everyday Life”, OASIS, St. Louis, MO, May 2018
- “Exercise and Parkinson’s: Getting Started and Sticking With It”, APDA Support Groups, Kirkwood & Webster Groves, MO, October 2018
- “Exercise and Physical Activity: Keys to Living Well with Parkinson’s”, article in American Parkinson Disease Association St. Louis Parkinson Newsletter, November 2018
- Parkinson’s Foundation Physical Therapy Online Course, “Optimizing Motivation to Exercise” & “Gait Training”, February 2019