

## **CURRICULUM VITAE**

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**Date:** June 2, 2023

### **Contact Information**

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### **Present Position**

Associate Professor in Occupational Therapy, Neurology (Movement Disorders Section) and Psychiatry; Washington University in St. Louis School of Medicine

### **Education**

**Undergraduate:**

2003 Bachelor of Arts in Psychology (major), Biology (minor); Washington University in St. Louis; St. Louis, Missouri

**Graduate:**

2004 Clinical Internship; The Rehabilitation Institute of St. Louis; St. Louis, Missouri  
 2005 Clinical Internship; Kessler Institute for Rehabilitation, Brain Injury Unit; East Orange, New Jersey  
 2005 Research Internship; Washington University School of Medicine; Department of Psychiatry; St. Louis, Missouri  
 2005 Doctorate in Occupational Therapy (OTD); Washington University in St. Louis School of Medicine, Program in Occupational Therapy; St. Louis, Missouri  
 2009 Master's of Science in Clinical Investigation (MSCI); Washington University in St. Louis School of Medicine, Clinical Research Training Center Postdoctoral Program; St. Louis, Missouri  
 2018 Doctor of Philosophy (PhD) in Rehabilitation and Participation Science; Washington University in St. Louis; St. Louis, Missouri

### **Academic Positions / Employment**

2003-2004 Research Assistant; Very Early Constraint-Induced Movement for the Rehabilitation of Stroke study (VECTORS; PI: A. Dromerick); Department of Neurology and Program in Occupational Therapy, Washington University in St. Louis School of Medicine; St. Louis,

	Missouri
2006-2008	Postdoctoral Fellowship; Tamara Hershey, Ph.D, Department of Psychiatry, Washington University in St. Louis School of Medicine; St. Louis, Missouri
2008-2011	Instructor in Occupational Therapy and Neurology (Movement Disorders Section); Washington University in St. Louis School of Medicine; St. Louis, Missouri
2009-2011	Instructor in Psychiatry; Washington University in St. Louis School of Medicine; St. Louis, Missouri
2011-2021	Assistant Professor in Occupational Therapy, Neurology (Movement Disorders Section) and Psychiatry; Washington University in St. Louis School of Medicine; St. Louis, Missouri
2022-present	Associate Professor in Occupational Therapy, Neurology (Movement Disorders Section) and Psychiatry; Washington University in St. Louis School of Medicine; St. Louis, Missouri
2022-present	Director of Graduate Studies for the Rehabilitation and Participation Science PhD program; Program in Occupational Therapy; Washington University in St. Louis School of Medicine; St. Louis, Missouri

### **Appointments and Committees**

#### **National:**

2013-2014	Member, American Occupational Therapy Association Occupational Therapy Practice Guidelines for Adults with Neurodegenerative Diseases Development Committee
2019-present	Member, American Academy of Neurology Movement Disorder Measure Development Work Group
2019-present	Member, American Congress of Rehabilitation Medicine Neurodegenerative Diseases Networking Group
2019-present	Member, American Occupational Therapy Association Occupational Therapy Practice Guidelines for Adults with Parkinson's Disease Development Committee
2020-present	Member, American Congress of Rehabilitation Medicine Parkinson Disease and Related Disorders Task Force
2021-2022	Member, American Occupational Therapy Foundation Fatigue Planning Grant Collective Planning Committee
2021-2023	Vice Chair, American Congress of Rehabilitation Medicine Parkinson Disease and Related Disorders Task Force
2022-present	Member, Scientific Advisory Council, Lewy Body Dementia Association
2022-present	Member, Clinical Care and Professional Education Working Group, Lewy Body Dementia Association
2023-present	Co-Chair, American Congress of Rehabilitation Medicine Parkinson Disease and Related Disorders Task Force

#### **Local:**

2017-present	Member, St. Louis American Parkinson Disease Association Optimism Walk Committee
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2020-present Co-Chair, St. Louis American Parkinson Disease Association Midwest Parkinson Congress Committee

**University/Hospital:**

2019-present Washington University Institute of Clinical and Translational Sciences, Research Forum Program

**Department/Division:**

2008-2010 Member, Admissions/Scholarship Committee for Master's of Science in Occupational Therapy  
 2013-2016 Member, Curriculum Committee for Occupational Therapy Doctorate  
 2010-2017 Member, Curriculum Committee for Master's of Science in Occupational Therapy  
 2016-2017 Member, Community Engagement Committee  
 2017-2019 Member, Spirit Team  
 2019 Member, Advising Committee  
 2018-present Member, PhD Committee  
 2018-present Member, Faculty Search Committee  
 2019-present Member, Engagement & Recognition Committee  
 2020-present Member, Outstanding Alumni Award Selection Committee  
 2020-present Leader, Movement Disorders Division Diversity Equity & Inclusion Workgroup on Community Engagement  
 2022-present Chair, Rehabilitation and Participation Science PhD Program Advisory Committee  
 2023-present Member, Appointments & Promotions Committee

**Licensure and Board Certification**

2006-present National Board Certification for Occupational Therapy, Certification #213518  
 2006-present Occupational Therapy licensure for the state of Missouri, License #2006022553

**Honors and Awards**

2002-2005 Pi Theta Epsilon (Occupational Therapy Honors Society)  
 2002-2005 Occupational Therapy Merit Scholarship  
 2005 Student Marshall for OTD graduating class (top of class)  
 2008 Special Merit Mention for abstract at the 36<sup>th</sup> Annual International Neuropsychological Society meeting  
 2008 Movement Disorders Society 12<sup>th</sup> International Congress Travel Grant  
 2009 Student Marshall for MSCI graduating class  
 2013 American Occupational Therapy Foundation (AOTF) Research Training Fellowship for the Summer Research Institute on Behavioral Interventions at Johns Hopkins University  
 2020 American Journal of Occupational Therapy Reviewer Award  
 2021 American Occupational Therapy Association Service Commendation

**Editorial Responsibilities****Editorial board:**

- 2014 Guest Editor, Special Issue on Neurodegenerative disease, American Journal of Occupational Therapy, 68(1)
- 2023-2026 Associate Editor, OTJR: Occupation, Participation, and Health

**Manuscript reviewer:**

American Journal of Occupational Therapy  
 Journal of the International Neuropsychological Society  
 Journal of Cognitive Neuroscience  
 Occupational Therapy International  
 Journal of Neuropsychology  
 Cognitive, Affective and Behavioral Neuroscience  
 PeerJ  
 BMC Neurology  
 OTJR: Occupation, Participation, and Health  
 Disability and Rehabilitation  
 British Journal of Occupational Therapy  
 The Clinical Neuropsychologist  
 Parkinsonism & Related Disorders  
 Neuroscience & Biobehavioral Reviews  
 American Journal of Speech-Language Pathology  
 Journal of Rehabilitation Medicine  
 Neuropsychological Rehabilitation  
 Journal of Clinical and Experimental Neuropsychology  
 European Journal of Neurology

**Abstract reviewer:**

- 2013-present American Occupational Therapy Association Conference

**Grant reviewer:**

- 2016-present Washington University Institute of Clinical and Translational Sciences, KL2 Career Development Awards Program
- 2016-present LSVT Global, Student Research Grant Program
- 2019-present American Occupational Therapy Foundation, Intervention Research Grant Program
- 2020 Israel Science Foundation, Personal Research Grants
- 2020 NIH Nursing and Related Clinical Sciences study section
- 2021 American Occupational Therapy Foundation & Michael J. Fox Foundation, Occupational Therapy in Parkinson's Disease Research Grant Program
- 2021-2022 Netherlands Organization for Health Research and Development, Allied Health Professions Programme
- 2021 NIH National Center for Medical Rehabilitation Research Early Career Research Award
- 2021 MS Research Australia, Project Grants

**Other:**

2021	American Physical Therapy Association Clinical Practice Guideline for the Physical Therapist Management of Parkinson Disease
2021	American Speech-Language-Hearing Association Clinical Practice Guideline, Cognitive Rehabilitation for the Management of Cognitive Dysfunction Associated with Acquired Brain Injury
2022	WHO Rehabilitation Programme Package of Interventions for Rehabilitation for Parkinson's Disease

### **Professional Societies and Organizations**

2002-present	Member, American Occupational Therapy Association
2008-present	Member, Academic Women's Network
2008-present	Member, Movement Disorders Society
2009-present	Member, Association for Clinical and Translational Science
2012-present	Member, American Congress of Rehabilitation Medicine
2019-present	Member, Missouri Occupational Therapy Association

### **Major Invited Professorships and Lectureships**

#### **Invited Presentations**

1. *Effective therapeutic intervention: Utilizing choice, collaboration and meaningful occupation.* Brookhaven long-term care facility; Brookville, OH; 2005.
2. *Providing quality care for residents with dementia.* Brookhaven long-term care facility; Brookville, OH; 2005.
3. *The effect of Parkinson disease on prospective memory.* Movement Disorders Center Research Seminar, Washington University School of Medicine; St. Louis, Missouri; 2008.
4. *Connecting the lab to life: Understanding everyday executive function in Parkinson disease.* Psychiatry Research Rounds, Washington University School of Medicine; St. Louis, Missouri; 2009.
5. *Use it or lose it! How to improve quality of living with Parkinson's disease.* Midwest Parkinson's Disease Congress; St. Louis, Missouri; 2009.
6. *Connecting the lab to everyday life: The relevance of executive dysfunction to activities and participation in Parkinson disease.* University of Pittsburgh; Pittsburgh, Pennsylvania; 2009.
7. *Connecting the lab to life: Understanding everyday executive function in Parkinson disease.* Physical Therapy Faculty Research Seminar, Washington University School of Medicine; St. Louis, Missouri; 2010.
8. *Living with Huntington's Disease: Safety and independence in the home.* Huntington's Disease Family Conference; St. Louis, Missouri; 2010.
9. *Executive dysfunction among individuals with Parkinson disease.* AOTA Specialty Conference on Adult Cognition; St. Louis, Missouri; 2011.
10. *Executive dysfunction among individuals with Parkinson disease.* OccupationalTherapy.com; 2012.
11. *Executive dysfunction among individuals with Parkinson disease.* New York-Presbyterian Hospital Weill Cornell Medical Center; New York, New York; 2014.

12. *Occupational Therapy: Across the Parkinson's disease continuum*. AOTA Specialty Conference: Best Practice in Skilled Nursing Facilities; Dallas, Texas; 2015.
13. *Fundamentals of PD: The journey*. World Parkinson Congress; Portland, Oregon; 2016.
14. *Occupational therapy and PD: How it can improve your daily life*. World Parkinson Congress; Portland, Oregon; 2016.
15. *Cognitive decline in Parkinson disease: Relevance to daily function and rehabilitation*. BJC Home Care Services Rehabilitation Department; St. Louis, Missouri; 2016.
16. *Cognitive decline in Parkinson disease: Relevance to daily function and rehabilitation*. St. Louis American Parkinson Disease Association; St. Louis, Missouri; 2017.
17. *Feasibility of a novel cognitive strategy training intervention for Parkinson disease*. Boston University Pi Theta Epsilon Omicron Chapter and American Occupational Therapy Foundation; 2017.
18. *Goal-setting and action planning to enhance skill acquisition in Parkinson disease*. St. Louis American Parkinson Disease Association; St. Louis, Missouri; 2017.
19. *Living Alone: Home safety and management in Parkinson disease*. Parkinson's Foundation PD Expert Briefing; 2018
20. *Prospective memory impairment in Parkinson disease without dementia: Cognitive mechanisms and intervention*. Occupational Therapy Grand Rounds, Washington University School of Medicine; St. Louis, Missouri; 2018
21. *Prospective memory impairment in Parkinson disease without dementia: Cognitive mechanisms and intervention*. Chang Gung University; Taoyuan City, Taiwan; 2019
22. *Prospective memory strategy training for people with Parkinson disease*. Knight Alzheimer's Disease Research Center, Washington University School of Medicine; St. Louis, Missouri; 2020.
23. *Engaging underrepresented populations in Parkinson disease research*. Center for Community Health Partnership and Research, Washington University School of Medicine; St. Louis, Missouri; 2021.
24. *Prospective memory strategy training for people with Parkinson disease*. Department of Occupational Therapy, University of Haifa; 2021.
25. *Prospective memory strategy training for people with Parkinson disease*. Department of Occupational Therapy, New York University; 2021.
26. *Prospective memory in Parkinson disease*. School of Health and Rehabilitation Sciences, University of Queensland; 2021.
27. *Cognitive strategy interventions for people with Parkinson's disease without dementia*. Interdisciplinary Brain Injury Research Center, Weill Cornell Medical Center; 2021.
28. *How to outsmart Parkinson's disease: Tips and tricks from an occupational therapist with Dr. Erin Foster*. American Parkinson Disease Association; 2021.
29. *Strategies for everyday cognition*. St. Louis American Parkinson Disease Association, Parkinson's Roadmap for Education and Support Services Program; 2021.
30. *Remembering to do things*. Parkinson's Foundation, Managing Mind and Mood Series; 2021.
31. *Staying cognitively engaged*. St. Louis American Parkinson Disease Association, Parkinson's Roadmap for Education and Support Services Program; 2022.

32. *Parkinson disease: What do you know?* Knight Alzheimer's Disease Research Center 3<sup>rd</sup> Thursdays Series; 2022.
33. *The Multicontext Approach: Application to Acute Care.* BJC Acute Care Occupational Therapy Department; 2023.

### **Consulting Relationships and Board Memberships**

2017-2020	Member, Board of Directors, Greater St. Louis Chapter of the American Parkinson Disease Association
2020-present	Executive Committee Member and Chair of the Mission Committee, Board of Directors, Greater St. Louis Chapter of the American Parkinson Disease Association

### **Research Support**

#### **Current:**

Prospective Memory Impairment in Parkinson Disease-related Cognitive Decline: Intervention and Mechanisms (PI: Foster)

NIH NIA R01AG065214

09/15/20 – 05/31/2025

The goal of this study is to test a targeted strategy training approach for improving laboratory and real-world prospective memory in people with PD and to understand biological and behavioral mechanisms of prospective memory and treatment response.

\*3<sup>rd</sup> percentile score

Investigations of Dementia in Parkinson disease (PI: Perlmutter)

NIH NINDS R01NS075321

05/01/2011 – 08/31/2026

The major goal of this longitudinal study is to develop and validate biomarkers that reflect specific pathologies underlying dementia in PD and that predict the onset and progression of dementia in PD.

*Role:* Developed cognitive test battery used in this study and oversee related data collection, management, analysis, interpretation and reporting.

Brain Health Across the Metabolic Continuum for Youth at Risk for T2DM (PI: Hershey)

NIH NIDDK R01DK126826

07/01/2021 – 06/30/2026

This project will study youth across the spectrum of obesity and metabolic dysfunction with MRI, cognitive and metabolic tests. This approach will allow us to determine the relationship of key features of T2D risk (e.g. obesity, insulin resistance, insulin deficiency and dysglycemia) to intermediate changes that pose a risk for the brain (e.g. inflammation), leading to reduced brain structure and function associated with T2D in youth.

*Role:* Developed the portion of the testing battery related to functional cognition and collaborate on analysis, interpretation and reporting of related results.

Understanding engagement in research, clinical care and community services among people of color with Parkinson disease (PI: Foster)

09/01/2022 – 08/31/2023

American Parkinson Disease Association Diversity in Parkinson's Disease Research Grant  
This project will use community-engaged research to understand factors that influence engagement in research, clinical care, and community services among people of color with PD in the St. Louis region.

### **Pending:**

### **Completed:**

Strategy-based Cognitive Intervention for Parkinson Disease: A Pilot Randomized Controlled Trial (PI: Foster)

NIH NIA R21AG063974

08/15/19 – 04/30/22

The goal of this study is to test and optimize the feasibility of a novel strategy-based cognitive intervention for people with PD.

Early Predictors of Brain Health and Development in Youth with T1DM (PI: Hershey)

NIH NIDDK R01DK064832

05/01/2016 – 04/30/2022

The goal of this study is to determine how clinical features at the time of T1DM diagnosis shape the developmental trajectory of the brain and its responses to subsequent glycemic control.

*Role:* Developed the portion of the testing battery related to functional cognition and collaborate on analysis, interpretation and reporting of related results.

Effects of Improvisational Dance on Cognition and Daily Function among People with Parkinson's Disease (PI: Fleita)

LSVT Global

09/01/2019 – 12/31/2021

The goal of this study is to better understand the effects of the IMPROVment method on cognitive, non-motor, and daily function in people with PD.

*Role:* Mentor of OTD student PI

A Needs Assessment about Self-Empowerment Intervention for People with Parkinson's Disease Living in St. Louis (PI: Kang)

01/01/20-12/31/2021

Washington University Gephardt Institute Civic and Community Engagement Fund

The goal of this project is to improve community health by developing and implementing a community-informed self-empowerment intervention for people with PD living in the St. Louis area.

*Role:* Mentor of PhD student PI

Training Prospective Memory in Parkinson disease: A Pilot Randomized Controlled Trial (PI: Foster)

WUSM Program in Occupational Therapy Young Investigator Pilot Award, 93176A

10/01/2017 – 09/15/2020

The major goals of this project are to test a targeted strategy training approach for improving laboratory and real-world prospective memory in people with Parkinson disease.



# Remediating Age Related Cognitive Decline: Mindfulness-Based Stress Reduction and Exercise (PI: Lenze)

NIH NIA R01AG049369

09/30/2014 – 06/30/2019

The goal of this multi-site randomized clinical trial is to test Mindfulness Based Stress Reduction, exercise, and their combination for their ability to remediate age-related cognitive decline. The study also examines the mechanism of these cognitive benefits, and predictors of change, using structural and functional neuroimaging and other biomarkers.

*Role:* Developed the portion of the testing battery related to functional cognition and participation, provide training and supervision related to its data collection, and collaborate on analysis, interpretation and reporting of related results.

# Cognitive Rehabilitation for Everyday Executive Dysfunction in Parkinson Disease (PI: Foster)

NIH NICHD K23HD071059

01/15/2012 – 12/31/2016

This award will enable the candidate to develop a funded research program that translates basic cognitive science into practical and effective cognitive interventions for people with PD.

# Feasibility and Optimization of a Cognitive Strategy Training Intervention for Parkinson Disease (PI: Foster)

American Occupational Therapy Foundation Intervention Research Grant, IRG13

04/01/2014 – 03/31/2016

The goal of this project is to test and optimize a novel cognitive strategy training intervention for people with Parkinson disease.

# Developing an Intervention to Improve Everyday Cognitive Function in Parkinson Disease (PI: Foster)

WUSM Program in Occupational Therapy Research Development Funding Program, 93176

06/01/2012 – 05/31/2013

This award is for the initial development and manualization of an intervention to address everyday cognitive dysfunction among individuals with Parkinson disease.

# Rehabilitation of Everyday Memory Impairment in Parkinson Disease: A Pilot Study (PI: Foster)

Washington University ICTS Pilot and Novel Methodologies Program, CTSA403

06/01/2011 – 05/31/2013

The goal of this project is to determine whether a targeted intervention strategy improves PD participants' prospective memory in the laboratory and in everyday life.

# Washington University Institute of Clinical and Translational Sciences (PI: Evanoff)

Brain, Behavior and Performance Unit (Director: Perlmutter)

NIH NCRR UL1TR000448

09/17/2007 – 12/31/2013

As a sub-project of the ICTS, the Brain, Behavior and Performance Unit (BBPU) provides a core with specialized infrastructure and expertise in the performance of clinical research studies of the nervous system.

*Role:* Investigator; Coordinate, collaborate and provide consultation within the Psychometric and Performance-based components of the BBPU.

Relevance of Cognitive Impairment in Parkinson Disease to Function in Daily Life (PI: Foster)

NIH NCRR UL1TR000448, KL2TR000450

10/01/2009 – 01/14/2012

This KL2 Career Development Award provides high-quality, multidisciplinary training in clinical and translational research involving mentored research and didactic coursework. The research project will investigate the relevance of cognitive dysfunction in non-demented PD to everyday function.

K30 Clinical Research Career Development Award

NIH NCRR UL1TR000448

08/01/2006 – 05/31/2009

This award supports participation in the Postdoctoral Mentored Training Program in Clinical Investigation (MTPCI) and the coursework and mentored research required for the Master's of Science in Clinical Investigation (MSCI) degree.

Prospective Memory in Parkinson's Disease (PI: Hershey)

McDonnell Center for Higher Brain Function

07/01/06 – 06/30/07

The goals of this project are to determine the effect of Parkinson's disease on event-based prospective memory tasks of varying cognitive control demands, determine the relevance of lab-measured prospective memory ability to everyday function, and to develop a translational prospective memory assessment battery.

*Role:* Postdoctoral trainee; Originated the research questions, designed the study, developed the proposal, and executed the study during postdoctoral training.

## **Patents**

## **Clinical Title and Responsibilities**

2006-2009	Clinical specialist; Washington University in St. Louis Program in Occupational Therapy Community and In-Home Services
2009-present	Clinical consultant; Washington University in St. Louis Program in Occupational Therapy Community Practice

## **Teaching Title and Responsibilities**

### **Dissertation committees:**

2020	Anderson, Francis; Washington University in St. Louis, Psychological & Brain Sciences
2021	Lee, Chang Dae; NYU Steinhardt School of Culture, Education, and Human Development, Occupational Therapy
2023	Lee, Yejin; Washington University School of Medicine, Rehabilitation and Participation Science
2023	Walsh, Ryan; Washington University School of Medicine Rehabilitation and Participation Science

**Research mentoring:****PhD**

current Kim, Moon Young  
 2018-2022 Kang, Eunyoung; *Development, Evaluation and Refinement of Goal Setting and Goal Management for Adults with Chronic Conditions: Intervention and Implementation Strategies*; Washington University School of Medicine, Rehabilitation and Participation Science

**OT Doctoral Projects**

2012 Golden, Laura; The Effect of Argentine Tango on Executive Function and Participation in Individuals with Parkinson's Disease  
*\*published manuscript*  
 Nguyen, Chau; Measuring Disease Severity, Quality of Life, and Psychiatric Issues in Wolfram Syndrome  
*\*published manuscript*

2014 Schmerber, Sarah; Self-reported, Informant-reported and Performance-based IADL Function in Parkinson's Disease  
 Moradi, Farah; The Effects of Cognitive Impairment on Social Participation in Parkinson's Disease

2015 Greene, Tess; Effects of the Chronic Disease Self-Management Program for adults with Parkinson's Disease

2016 Pappa, Katie; Social support and self-management in Parkinson's disease  
*\*published manuscript*

2017 Bumpus, Emily; Understanding Activity Participation among Individuals with Wolfram Syndrome  
*\*published manuscript*  
 Dumas, Kristan; Assessing cognitive reserve in Parkinson disease  
 Kwalwaser, Alison; Use of the Complex Task Performance Assessment (CTPA) as a Performance-Based Measure of Executive Function in Parkinson's Disease  
*\*published manuscript*

2019 Nguyen, Tiffany; Reliability of prospective memory measures among individuals with Parkinson's disease  
*\*published abstract*  
 Kyler, Darby; Using the Observed Tasks of Daily Living-Revised assessment as a measure of functional cognition in older adults

2020 Fleita, Maggie; Effects of improvisational dance on cognition and daily function among people with Parkinson disease  
*\*published abstract; project awarded an LSVT Global Student Research grant*  
 Kalishman, Sarah; Effects of cognitive stimulation therapy for individuals with Parkinson's disease and mild cognitive impairment  
*\*published abstract*  
 Jethani, Pooja; Cognitive self-efficacy in Parkinson's disease

*\*published abstract; poster received the Neurodegenerative Disease Early Career Poster Award at the 2020 ACRM conference*

- 2021 Banovetz, Kate; Parkinson's disease and individualized Cognitive Stimulation therapy  
 Carter, Breanna; Effects of improvisational dance on motor symptoms and social participation among people with Parkinson's disease  
 Curry, Lindsay; Experiences of people with Parkinson's disease participating in a virtual improvisational dance intervention.  
 Fishbein, Monica; Felt stigma and communication in individuals with Parkinson's disease-related cognitive impairment  
 Hudson, Juliana; Perceived effects of the COVID-19 pandemic on health empowerment among people with Parkinson disease  
 Schlesinger, Anneliese; Investigating the functional connectivity of cognitive brain networks and its relation to daily cognitive function in Parkinson disease  
*\*published abstract*
- 2022 Ali, Zainab; Inclusion of mindfulness meditation in Cognitive Stimulation Therapy for people with Parkinson's disease dementia  
 Chen, Julie; The effect of improvisational dance on fatigue and activity participation among individuals with Parkinson's disease  
 Tan, Alexandria; The effects of IMPROVment on non-motor symptoms and participation in individuals with Parkinson's disease

### **OT Master's Projects**

- 2009 Cunnane, Katherine; Cognitive Impairment and Depression in Congestive Heart Failure  
*\*published manuscript; project was awarded the Occupational Therapy Research Excellence Award, May 2009*  
 Frerking, Lacy; Relationship between Activity Participation and Quality of Life in Parkinson Disease
- 2010 Ratchick, Christina; Prospective Memory in Parkinson Disease  
 Watkins, Jessica; Assessing Instrumental Activities of Daily Living Performance in Parkinson Disease  
*\*project was awarded the Occupational Therapy Research Excellence Award, May 2010*
- 2011 Park, Eunhae; Fatigue in Parkinson's Disease and Its Association with Activities, Participation, and Quality of Life
- 2012 Gornish, Sabrina; The Effect of Heart Transplantation on Participation  
 Foster, Keisha; Gender and Social Participation among Individuals with Parkinson's Disease  
 Hammer, Allison; Awareness of Everyday Memory Function in Parkinson Disease  
 Hutson, Katherine; Ecological Validity of the Virtual Week for Assessing Prospective Memory in People with Parkinson's Disease  
*\*project was awarded the Occupational Therapy Research Excellence*

*Award, May 2010*

- 2013 Faith, Jennifer; Memory Compensation in Parkinson's Disease  
 Green, Stephanie; Description and predictors of daily function in Huntington's disease  
 Lucero, Carolyn; Education Moderates the Relationship of Neuropathology and Clinical Expression of Dementia in Individuals with Parkinson's Disease  
*\*published manuscript; project was awarded the Occupational Therapy Research Excellence Award, May 2013*  
 Paluska, Kara; Awareness of Prospective Memory Abilities in People with Parkinson's Disease
- 2014 Hendred, Sarah; Validation of the World Health Organization Quality of Life assessment short version (WHOQOL-BREF) in individuals with mild to moderate Parkinson disease  
*\*published manuscript*  
 Morton, Linda; Perceived Cognitive Issues of Individuals with Parkinson's Disease and their Impact on Daily Functioning  
 Rose, Megan; REM Sleep Behavior Disorder in People with Parkinson's Disease  
 Shalvey, Aoife; Relationships among symptom severity and quality of life in Wolfram Syndrome
- 2015 Fremder, Cassandra; Gender differences in disease experience among individuals with Parkinson disease  
 Goedeken, Susan; Effect modifiers of prospective memory strategy training in Parkinson's disease  
*\*published manuscript*  
 Orlins, Alyssa; The relationship of depression, apathy and anxiety with everyday cognitive deficits in individuals with Parkinson disease  
 Potempa, Cathryne; The effect of implementation intentions on everyday prospective memory in Parkinson disease  
*\*published manuscript*  
 Scarpa, Alison; Parkinson disease motor subtypes: Effects on activities of daily living and quality of life.  
 Waugh, Courtney; A qualitative evaluation of the Chronic Disease Self-Management Program for adults with Parkinson disease
- 2016 Chu, Michelle; Cognitive rehabilitation for Parkinson's disease: Systematic review and meta-analysis  
 Porritt, Ryan; Effects of the Chronic Disease Self-Management Program for adults with Parkinson's Disease  
 Risso, Sarah; The effect of the Tremble Clefs for people with Parkinson disease  
*\*published in the American Parkinson Disease Greater St. Louis Chapter newsletter, November 2016*  
 Rutherford, Sara; Washington University Occupational Therapy services for people with Huntington's disease  
 Spence, Daniel; Feasibility and goal exploration of a cognitive strategy

training intervention for Parkinson disease

*\*published manuscript*

- 2017 Neely, Brittany; Developing an Occupational Therapy Assessment Battery for Huntington's Disease in the Movement Disorders Clinic  
 Penaflor, Sarah Athena Marrem; Perceptions of a Cognitive Strategy Training Intervention in Individuals with Parkinson's Disease  
 Schettino, Kelsey; Prospective Memory impairment in older adults with Human immunodeficiency virus (HIV) using the Virtual Week: A feasibility study  
 Williams, Karie; A standardized and comprehensive occupational therapy clinical evaluation for clients with Parkinson's disease  
 Zorrilla, Nathalie; Action plans and their associations with self-management outcomes in Parkinson's disease  
*\*published abstract; project was awarded the Occupational Therapy Research Excellence Award, May 2017*
- 2018 Black, Katherine; Self-Management program preferences of individuals with Parkinson's disease and their caregivers  
 Broadway, Amy; Preliminary analysis of the effects of exercise on prospective memory in older adults with HIV  
 Holck, Blair; Self-reported daily life prospective memory errors in people with Parkinson disease  
*\*published abstract*
- 2019 Taylor, Elinor; Effects of multiple intentions, task switching, and encoding strategies during intention formation on prospective memory performance in Parkinson's disease.  
*\*published abstract; project was awarded the Occupational Therapy Research Excellence Award, May 2019*
- 2020 Cutler, Molly; The effect of improvisational dance on non-motor symptoms among people with Parkinson disease  
 Pinpin, Yves Carlo; Prospective memory in older adults with HIV  
*\*published abstract*
- 2021 Storey, Katelyn; Cognitive Stimulation Therapy for people with Parkinson's disease dementia  
*\*published abstract; project was awarded the Occupational Therapy Research Excellence Award, May 2021*
- 2022 Kim, YeaJi; Effects of Cognitive Stimulation Therapy on social functioning in individuals with Parkinson disease dementia

### **Undergraduate students:**

- 2018 Howard, Molly; Summer Research Program in Aging, Harvey A. Friedman Center for Aging, Washington University
- 2021 Kikkawa, Kyla; Beyond Boundaries Program, Washington University
- 2021 Friz, Danielle; Summer Research Program in Aging, Harvey A. Friedman Center for Aging, Washington University

2022-present Noelle Casem; Mind Brain Behavior Program, Washington University

### External reviewer for promotion:

### Courses taught:

2004-2005	Teaching assistant, Neuroscience and Application of Neuroscience Principles to Occupational Therapy
2006-2007	Lecturer, Occupational Therapy Practice Seminar, Fall semester: Intrinsic and Occupational Factors
2007	Lecturer, Occupational Therapy Practice Seminar, Spring semester: Linking the ICF and Occupational Performance Model Building
2008	Course faculty, Evaluation: The Tools and Process for Measuring Occupational Performance
2009	Course faculty, Neuroscience and Application of Neuroscience Principles to Occupational Therapy
2008-2012	Course master, Foundations for Neuro-Rehabilitation Practice
2010-2012	Course faculty, Research in Occupational Therapy: Preparing for Evidence-based Practice
2013-2015	Co-course master, Neuroscience Principles of Performance I and II
2008-2021	Course master, Applied Clinical Research
2008-2021	Course master, Directed Research
2015-2018	Course faculty, Seminar in Proposal Development and Applied Clinical Research
2018-2019	Course master, RAPS PhD Research Seminar
2020-present	Course master, Mentored Scholarship

### Bibliography

### Peer reviewed manuscripts:

\*Senior author

1. **Foster ER**, Black KJ, Antenor JV, Perlmutter JS, Hershey T. Motor asymmetry and substantia nigra volume are related to spatial delayed response performance in Parkinson disease. *Brain and Cognition*. 2008;67:1-10. doi: 10.1016/j.bandc.2007.10.002. PMC2993690.
2. **Foster ER**, McDaniel MA, Repovš G, Hershey T. Prospective memory in Parkinson disease across laboratory and self-reported everyday performance. *Neuropsychology*. 2009;23(3):347-58. doi: 10.1037/a0014692. PMC2839410.
3. **Foster ER**, Campbell MC, Burack MA, Hartlein J, Flores HP, Cairns NJ, Hershey T, Perlmutter JS. Amyloid imaging of Lewy body-associated disorders. *Movement Disorders*. 2010;25(15):2516-23. doi: 10.1002/mds.23393. PMC2978796.
4. **Foster ER**, Hershey T. Everyday executive function is associated with activity participation in Parkinson disease without dementia. *OTJR: Occupation, Participation and Health*. 2011;31(1):16-22. doi: 10.3928/15394492-20101108-04. PMC3171949.
5. **Foster ER**, Cunnane KB, Edwards DF, Morrison MT, Ewald GA, Geltman EM, Zazulia AR. Executive dysfunction and depressive symptoms are associated with reduced participation for individuals with severe congestive heart failure. *American Journal of Occupational Therapy*. 2011;65(3):306-313. doi: 10.5014/ajot.2011.000588. PMC3155250.

6. Nguyen C, **Foster ER**, Paciorkowski AR, Viehoveer A, Considine C, Bondurant A, Marshall, BA, Hershey, T. Reliability and validity of the Wolfram Unified Rating Scale (WURS). *Orphanet Journal of Rare Diseases*. 2012;7(1):89. doi: 10.1186/1750-1172-7-89. PMC3552944.
7. **Foster ER**, Golden L, Duncan RP, Earhart GM. A community-based Argentine tango dance program is associated with increased activity participation among individuals with Parkinson disease. *Archives of Physical Medicine and Rehabilitation*. 2013;94(2):240-249. doi: 10.1016/j.apmr.2012.07.028. PMC3557593.  
*\*One of five most highly cited papers from journal in 2014-2015*
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