**CURRICULUM VITAE**

Professor

Leland E. Dibble, P.T., Ph.D., A.T.C., FAPTA

College of Health

Department of Physical Therapy and Athletic Training

520 Wakara Way  Room 302

Salt Lake City, UT   84108

801-581-4637 (phone)   801-585-5629 (FAX)

E-Mail: Lee.Dibble@hsc.utah.edu

1. **EDUCATION**

|  |  |  |
| --- | --- | --- |
| Years | Degree | Institution (Area of Study) |
| 2001 | PhD | University of Utah (Exercise & Sport Science) |
| 1991 | MS | Duke University (Physical Therapy) |
| 1989 | BS | University of California - Davis (Animal Physiology) |

1. **CERTIFICATIONS & LICENSURE**

|  |
| --- |
| State License, UT (93-264888-2401) - Physical Therapist |
| State License, UT (264888-4810) - Athletic Trainer, National Certification, National Athletic Trainers Association, 03-0723  |
| CPR-AED Basic Life Support, American Heart Association |

1. **EMPLOYMENT**

|  |  |
| --- | --- |
| July 2021-present | Department Chair, Department of Physical Therapy and Athletic Training, Salt Lake City, UT |
| June 2019-June 2020 | Fellow, American Physical Therapy Association, Educational Leadership Institute |
| July 2018-June 2021 | Associate Department Chair, Department of Physical Therapy and Athletic Training, Salt Lake City, UT |
| July 2016-present | Professor, University of Utah, Department of Physical Therapy and Athletic Training, Salt Lake City, UT |
| July 2016-present | Adjunct Professor, University of Utah, Department of Occupational and Recreational Therapies, Salt Lake City, UT |
| July 2016-present | Adjunct Professor, University of Utah, Department of Health, Kinesiology, and Recreation, Salt Lake City, UT |
| July 2011-June 2016 | Associate Professor, University of Utah, Department of Physical Therapy, Salt Lake City, UT |
| January 2013-July 2013 | Visiting Fellow, University of Sydney, Department of Physiotherapy, Sydney, Australia |
| April 2009 – June 2011 | Assistant Professor, University of Utah, Department of Physical Therapy, Salt Lake City, UT |
| November 2005 -   June 2016 | Adjunct Associate Professor, University of Utah, Division of Occupational Therapy, Salt Lake City, Utah |
| June 2003 -   2007 | Adjunct Assistant Professor, University of Utah, Department of Pediatrics, Salt Lake City, Utah |
| June 2003 -   June 2016  | Adjunct Associate Professor, University of Utah, Department of Exercise and Sport Science, Salt Lake City, UT |
| June 2003 -   April 2009  | Associate Professor (Clinical), University of Utah, Department of Physical Therapy, Salt Lake City, UT |
| November 2002 -   2005  | Research Fellow, Rocky Mountain University of Health Professions, Provo, UT |
| January 2002 - March 2002 | PT/Athletic Trainer, Olympic/Paralympic Village Medical Clinic, Salt Lake City, UT |
| October 2001 -   present  | Clinical Director, University Balance and Mobility Clinic, University of Utah, Health Sciences Center, Salt Lake City, UT |
| May 2001 - June 2003 | Assistant Professor (Clinical), University of Utah, Division of Physical Therapy, Salt Lake City, UT |
| March 1998 -   present  | PT Consultant, Movement Disorders Clinic, University of Utah, Salt Lake City, UT |
| February 1996 - May 2001 | Clinical Instructor, University of Utah, Salt Lake City, Utah |
| September 1994 - January 2004 | PT/Athletic Trainer, University of Utah, Salt Lake City, Utah |
| September 1994 - January 2001 | Clinical Director, Division of Physical Therapy Faculty Practice, University of Utah, Salt Lake City, UT |
| May 1994 - May 1997 | Research Assistant, University of Utah, Salt Lake City, UT |
| August 1993 - January 1996 | Graduate Teaching Assistant, University of Utah, Salt Lake City, UT |
| August 1993 - August 1998 | PT/Athletic Trainer, University of Utah, Health Sciences Center, Salt Lake City, UT |
| January 1992 - January 1994 | Athletic Trainer, United States Soccer Federation |
| July 1991 - July 1993 | Physical Therapist, Duke University Medical Center, Durham, NC |

1. **PROFESSIONAL AFFILIATIONS**

|  |  |
| --- | --- |
| 2011-present | Member, Parkinson’s Study Group |
| 2008- present  | Member, Movement Disorder Society |
| 2007- present  | Member, International Society for Posture and Gait Research |
| 1993- present  | Member, American Physical Therapy Association: Utah Chapter |
| 1991- present  | Member, American Physical Therapy Association |
| 1989- 2005, 2015-2019 | Member, National Athletic Trainers' Association |

1. **PUBLICATIONS**
	1. **Peer-Reviewed Journal Articles**

|  |  |
| --- | --- |
|  | Patterson CG, Joslin E, Gil AB, Spigle W, Nemet T, Chahine L, Christiansen CL, Melanson E, Kohrt WM, Mancini M, Josbeno D, Balfany K, Griffith G, Dunlap MK, Lamotte G, Suttman E, Larson D, Branson C, McKee KE, Goelz L, Poon C, Tilley B, Kang UJ, Tansey MG, Luthra N, Tanner CM, Haus JM, Fantuzzi G, McFarland NR, Gonzalez-Latapi P, Foroud T, Motl R, Schwarzschild MA, Simuni T, Marek K, Naito A, Lungu C, Corcos DM; **SPARX3-PSG Investigators**. Study in Parkinson's disease of exercise phase 3 (SPARX3): study protocol for a randomized controlled trial. Trials. 2022 Oct 6;23(1):855. PMID: 36203214 |
|  | Wagner AR, Grove CR, Loyd BJ, **Dibble LE**, Schubert MC. Compensatory Saccades Differ for Those with Vestibular Hypofunction and Multiple Sclerosis Pointing to Unique Roles for Peripheral and Central Vestibular Inputs. J Neurophysiol. 2022 Sep 7. PMID: 36069428. |
|  | Grove CR, Wagner A, Loyd BJ, **Dibble LE**, Schubert MC. Unique Compensatory Oculomotor Behavior in People Living with Multiple Sclerosis. J Neurol Sci. 2022 Sep 6;442:120411. PMID: 36088792. |
|  | Loyd BJ, Fangman A, Peterson D, Gappmaier E, Thackeray A, Schubert MC, **Dibble LE**.Rehabilitation to Improve Gaze and Postural Stability in People with Multiple Sclerosis: A Randomized Clinical Trial. Neurorehabilitation Neural Repair 2022 Sep 13:15459683221124126. |
|  | Olivier GN, **Dibble LE**, Paul, SS, Lohse KR,Walter CS, Marker RJ, Hayes HA, Foreman KB, Duff K, Schaefer SY. Effects of personalized practice dosages on learning in older adults: A randomized controlled trial. Frontiers in Rehabilitation Sci. 2022, 03 August 2022 3:897997. doi: 10.3389/fresc.2022.897997  |
|  | Loyd BJ, Dibble LE, Weightman M, Pelo R, Hoppes CW, Lester M, King LA, Fino PC. Volitional Head Movement Deficits and Alterations in Gait Speed Following Mild Traumatic Brain Injury. J Head Trauma Rehabilitation (In Press). |
|  | Weston AR, Loyd BJ, Taylor C, Hoppes C, **Dibble LE**. Head and Trunk Kinematics during Activities of Daily Living with and without Mechanical Restriction of Cervical Motion. Sensors 2022, 22, 3071. https://doi.org/10.3390/s22083071 |
|  | Fino PC, **Dibble LE**, Cortex M, Hansen C, Tate D, Fino N, Wilde E, Sensory Phenotypes for Balance Dysfunction after Mild Traumatic Brain Injury: More than Vestibular Dysfunction. Neurology 2022 May 16:10.1212. Online ahead of print. PMID: 35577572 |
|  | Morris A, Fino NF, Pelo R, Kreter N, Cassidy B, **Dibble LE**, Fino PC. Inter-administrator reliability of a modified instrumented Push and Release test of reactive balance. J Sport Rehabil 2021 Dec 22;1-7. PMID: 34942598 |
|  | Parrington L, King LA, Weightman MW, Hoppes CW, Lester ME, **Dibble LE,** Fino PC. Exploring vestibular ocular motor screening (VOMS) in adults with persistent complaints after mild traumatic brain injury. J Head Trauma Rehab. 2022 Jan 20. doi: 10.1097/HTR.0000000000000762. PMID: **35067602** |
|  | VanGilder JS, Lopez-Lennon C, Paul SS, **Dibble LE**, Duff K, Schaefer SY. Relating global cognition with upper-extremity motor skill retention in individuals with mild-to-moderate Parkinson disease. Frontiers in Rehabilitation Sci. 2021, Oct 22. 2:754118  |
|  | Morris A, Casucci T, McFarland MM, Cassidy B, Pelo R, Kreter N, **Dibble LE**, Fino PC. Reactive Balance Responses After Mild Traumatic Brain Injury: A Scoping ReviewJ Head Trauma Rehabil. 2022 Feb 1. doi: 10.1097/HTR.0000000000000761. PMID: 35125435 |
|  | Parrington L, King LA, Weightman MW, Hoppes CW, Lester ME, **Dibble LE,** Fino PC. Between-site equivalence of turning speed assessments using inertial measurement units. Gait Posture. 2021 Sep 9;90:245-251. Epub ahead of print. PMID: 34530311. |
|  | Van Liew C, Monaghan A, **Dibble LE**, Foreman KB, MacKinnon D, Peterson DP. Perturbation Practice in Multiple Sclerosis: Assessing Generalization from Support Surface Translations to Tether-Release Tasks. Mult Scler Relat Disord. 2021 Aug 16;56:103218. Epub ahead of print. PMID: 34454306. |
|  | Van Liew C, **Dibble LE**, Foreman KB, Peterson DS. Change in ‘First-Trial’ Performance After Protective Step Practice in People with Multiple Sclerosis. Clin Biomech. 2021 Aug 13;88:105448. doi: 10.1016/j.clinbiomech.2021.105448. Epub ahead of print. PMID: 34418821. |
|  | Loyd BJ**,**Agnew L, Fangman A, Thackeray A, Peterson D, Schubert M, **Dibble LE**. Characterizing Gaze and Postural Stability Deficits in People with Multiple Sclerosis. MS and Related Disorders. Mult Scler Relat Disord. 2021 Aug 14;55:103205. PMID: 34438218. |
|  | Alberts JL, Rosenfeldt AB, Lopez-Lennon C, Suttman E, Jansen AE, Imrey PB, **Dibble LE.** Effectiveness of a Long-Term, Home-Based Aerobic Exercise Intervention on Slowing the Progression of Parkinson Disease: Design of the Cyclical Lower Extremity Exercise for Parkinson Disease II (CYCLE-II) Study. Phys Ther. 2021 Aug 6: Epub ahead of print. PMID: 34363478. |
|  | Olivier GN, Paul SS, Walter CS, Hayes HA, Foreman KB, Duff K, Schaefer SY, **Dibble LE.** The feasibility and efficacy of a serial reaction time task that measures motor learning of anticipatory stepping. Gait Posture. 2021 May;86:346-353. PMID: 33857800 |
|  | Oliver G, Walter CS, Paul SS, **Dibble LE**, Schaefer SY. How Common is the Exponential Decay Pattern of Motor Skill Acquisition? A Brief Investigation. Motor Control. 2021 May 13;25(3):451-461. PMID: 33992025 |
|  | Fino PC, Weightman MW, **Dibble LE**, Lester ME, Hoppes CW, Parrington L, Arango J, Souvinger A, Roberts H, King LA. Objective dual-task turning measures for return-to-duty assessment after mild traumatic brain injury: The ReTURN study protocol. Front. Neurol., 15 January 2021 https://doi.org/10.3389/fneur.2020.544812 |
|  | Morris A, Cassidy B, Pelo R, Fino NF, Presson AP, Cushman DM, Monson NE, **Dibble LE**, Fino PC. Reactive Postural Responses After Mild Traumatic Brain Injury and Their Association With Musculoskeletal Injury Risk in Collegiate Athletes: A Study Protocol. Front Sports Act Living. 2020 Oct 29;2:574848. PMID: 33345138. |
|  | Loyd BJ, Saviers-Steiger J, Fangman A, Paul SS, Fino PC, Lester ME, **Dibble LE**. Control of Linear Head and Trunk Acceleration During Gait After Unilateral Vestibular Deficits. Arch Phys Med Rehabil. 2020 Sep 10. Epub ahead of print. PMID: 32918908. |
|  | Loyd BJ, Saviers-Steiger J, Fangman A, Ballard P, Taylor C, Schubert M, **Dibble L**. Turning Toward Monitoring of Gaze Stability Exercises: The Utility of Wearable Sensors. J Neurol Phys Ther. 2020 Oct;44(4):261-267. PMID: 32815892. |
|  | Albin SR, Bellows BK, Van Boerum DH, Hunter S, Koppenhaver SL, Nelson RE, Marcus R, **Dibble L**, Cornwall M, Fritz JM. Cost-Effectiveness of Operative Versus Nonoperative Management of Patients With Intra-articular Calcaneal Fractures. J Orthop Trauma. 2020 Jul;34(7):382-388. PMID: 31917759. |
|  | Garg H, Schubert MC, Gappmaier E, Sibthorp J, Bo Foreman K, **Dibble LE**. Test-Retest Reliability and Response Stability of Gaze Stabilization, Postural Sway, and Dynamic Balance Tests in Persons with Multiple Sclerosis and Controls. Int J MS Care. 2020 May-Jun;22(3):136-142. PMID: 32607076;  |
|  | Paul SS, **Dibble LE**, Olivier G, Walter C, Duff K, Schaefer SY. Dopamine-replacement medication improves motor learning of an upper-extremity task in people with Parkinson's disease. Behavioral Brain Research. Behav Brain Res. 2020 Jan 13;377:112213. Epub 2019 Sep 14. PMID: 31526767 |
|  | Loyd B, Fangman A, Peterson D, Gappmaier E, Schubert M, Thackery A, **Dibble LE**. Rehabilitation to Improve Gaze and Postural Stability in People with Multiple Sclerosis: Study Protocol for A Prospective Randomized Clinical Trial. BMC Neurol. 2019 Jun 10;19(1):119. PMID: 31179920 |
|  | Papa E, Addison O, Foreman KB, **Dibble LE**. Reproducibility and Responsiveness of Gait Initiation in Parkinson's Disease. J Biomechanics. 2019 Apr 18;87:197-201. PMID: 30910362 |
|  | Albin SR, Koppenhaver SL, Marcus R, **Dibble L**, Cornwall M, Fritz JM. Short-Term Effects of Manual Therapy in Patients After Surgical Fixation of Ankle and/or Hindfoot Fracture: A Randomized Clinical Trial. J Orthop Sports Phys Ther. 2019 Feb 13:1-32. PMID: 30759357 |
|  | Van Liew C, **Dibble LE**, Foreman KB, Peterson DP. Protective Stepping in Multiple Sclerosis: Impacts of a Single Session of In-Place Perturbation Practice. Mult Scler Relat Disord. 2019 Jan 30;30:17-24. PMID:30716530 |
|  | Paul SS, Olivier GN, Lohse KR, Walter CS, Schaefer SY, **Dibble LE.** Dopamine replacement medication does not influence implicit learning of a stepping task in people with Parkinson’s disease. Neurorehabil Neural Repair. 2018 Dec;32(12):1031-1042. PMID: 30409107 |
|  | SalazarR, WeizenbaumE, Ellis TD, EarhartGM, Ford MP, **Dibble LE**, Cronin-Golomb A.Predictors of Self-Perceived Stigma in Parkinson’s Disease. Parkinsonism Relat Disord. 2018 Sep 25. pii: S1353-8020(18)30424-3. PMID: 30297211 |
|  | Ellis TD, **Dibble LE**, Peterson DS. Moving Beyond Effectiveness. J Neurol Phys Ther. 2019 Jan;43(1):1-2. PMID: 30531380 |
|  | Olivier GN Paul SS, Lohse KR, Walter CS, Schaefer SY, **Dibble LE**. Predicting Motor Sequence Learning in People with Parkinson Disease. Journal of Neurologic Physical Therapy. J Neurol Phys Ther. 2019 Jan;43(1):33-41. PMID: 30531384 |
|  | Grevikas L, **Dibble LE**, Newton M, Podlog L. Caring Interactions in Secondary PreventionPrograms: A Qualitative Inquiry of Individuals with Parkinson’s Disease. J Geriatr Phys Ther. 2019 Jul/Sep;42(3):167-175. PMID: 29394208 |
|  | Garg H, **Dibble LE**, Schubert MC, Sibthorp J, Foreman KB, Gappmaier E. Gaze stability, dynamic balance and participation deficits in people with multiple sclerosis at fall-risk Anat Rec (Hoboken). 2018 May 5. PMID:29729209 |
|  | Hayes HA, George S, **Dibble LE**. Increased practice of a standing motor sequence task in healthy young and healthy elders: Short communication. Gait Posture. 2018 Apr 21;63:1-4. [Epub ahead of print]. PMID:29698844 |
|  | Paul SS, **Dibble LE**, Walther RG, Shelton C, Gurgel RK, Lester ME. Reduced purposeful head movements during community ambulation following unilateral vestibular loss. Neurorehabilitation and Neural Repair. 2018 Apr 1. PMID:29676210 |
|  | Paul SS, **Dibble LE**, Peterson DS. Motor learning in people with Parkinson’s disease: Implications for fall prevention across the disease spectrum. Gait Posture. 2018 Mar;61:311-319. Epub 2018 Jan 31. Review. PMID:29413803 |
|  | Paul SS, Walther RG, Beseris EA, **Dibble LE**, Lester ME. Feasibility and Validity of Discriminating Yaw Plane Head on Trunk Motion Using Inertial Wearable Sensors. IEEE Trans Neural Syst Rehabil Eng. 2017 Aug 17. doi: 10.1109/TNSRE.2017.2740945. [Epub ahead of print] PMID: 28829312 |
|  | Lester ME, Cavanaugh JT, Foreman KB, Schaffer SW, Marcus RL, **Dibble LE**. Adaptation of Postural Recovery Responses to a Vestibular Sensory Illusion in Individuals with Parkinson Disease and Healthy Controls. Clin Biomech (Bristol, Avon). 2017 Jul 26;48:73-79. doi: 10.1016/j.clinbiomech.2017.07.008. [Epub ahead of print] PMID: 28783491 |
|  | LaStayo PC, Marcus RL, **Dibble LE**, Wong B, Pepper G. Eccentric versus Traditional Resistance Exercise for Older Adult Fallers in the Community: A Randomized Trial within a Multi-component Fall Reduction Program. BMC Geriatr. 2017 Jul 17;17(1):149. doi: 10.1186/s12877-017-0539-8. PMID: 28716003 |
|  | Greviskes, L.E., Podlog, L., Burns, R., Jackson, B., Dimmock, J., Newton, M., **Dibble, L**., & Pillow, W. Caring Rehabilitation Climate, The Tripartite Efficacy Framework, and Adherence to Rehabilitation Programs Among Individuals With Parkinson's Disease: A Multiple Mediation Analysis. J Geriatr Phys Ther. 2018 Sep 25. [Epub ahead of print] PMID: 30256261 |
|  | Paul SS, **Dibble LE**, Walther RG, Shelton C, Gurgel RK, Lester ME. Characterization of Head-Trunk Coordination Deficits After Unilateral Vestibular Hypofunction Using Wearable Sensors. JAMA Otolaryngol Head Neck Surg. 2017 Aug 31. doi: 10.1001/jamaoto.2017.1443. [Epub ahead of print]PMID: 28859201 |
|  | Song J, Paul SS, Caetano MJD, Smith S, **Dibble LE**, Love R, Schoene D, Menant JC, Sherrington C, Lord SR, Canning CG, Allen NE. Home-based step training using videogame technology in people with Parkinson’s disease: A single blinded randomized controlled trial. Clin Rehabil. 2017 Jul 1:269215517721593. doi: 10.1177/0269215517721593. [Epub ahead of print] PMID: 28745063 |
|  | Duncan RP, Leddy AL, Cavanaugh JT, **Dibble LE**, Ellis TD, Ford MP, Foreman KB, Earhart GM. Are the Average Gait Speeds During the 10 Meter and 6 Minute Walk Tests Redundant in Parkinson Disease? Gait Posture. 2017 Feb;52:178-182. PMID: 27915221 |
|  | Paul SS, Lester M, Foreman KB, **Dibble LE**. Validity and reliability of two-dimensional motion analysis for quantifying postural deficits in adults with and without neurological impairment. Anatomical Record, (Hoboken). 2016 Sep;299(9):1165-73. PMID: 27314922 |
|  | Paul SS, Ellis TD, **Dibble LE**, Earhart GM, Ford MP, Foreman KB, Cavanaugh JT. Obtaining Reliable Estimated of Physical Activity in People with Parkinson’s Disease. J Parkinson Disease 2016 May 5;6(2):301-5. PMID: 27164042 |
|  | Ellis TD, Cavanaugh JT, Earhart GM, Ford MP, Foreman KB, Thackeray A, Thiese MS, **Dibble LE**. Identifying clinical measures that most accurately reflect the progression of disability in Parkinson disease. Parkinsonism Relat Disord. 2016 Feb 2. pii: S1353-8020(16)30034-7. PMID: 26876037 |
|  | Bloem BR, Marinus J, Almeida Q, **Dibble L**, Nieuwboer A, Post B, Ruzicka E, Goetz C, Stebbins G, Martinez-Martin P, Schrag A; Movement Disorders Society Rating Scales Committee. Measurement instruments to assess posture, gait, and balance in Parkinson's disease: Critique and recommendations. Mov Disord. 2016 Mar 4. doi: 10.1002/mds.26572. PMID: 26945525 |
|  | Paul SS, Thackeray A, Duncan RP, Cavanaugh JT, Ellis TD, Earhart GM, Ford MP, Foreman KB, **Dibble LE**. Two-Year Trajectory of Fall Risk in People With Parkinson Disease: A Latent Class Analysis. Arch Phys Med Rehabil. 2016 Mar;97(3):372-379. PMID: 26606871 |
|  | Papa E, Foreman KB, Marcus RL, **Dibble LE**. The Effects of age and acute muscle fatigue on reactive postural control in healthy adults. Clin Biomech (Bristol, Avon). 2015 Sep 2. PMID: 26351001 |
|  | Hayes HA, Hunsaker N, **Dibble LE**. Implicit motor sequence learning in individuals with Parkinson disease: A meta-analysis. J Parkinson Disease. J Parkinsons Dis. 2015;5(3):549-60. PMID: 26406135 |
|  | Chung-Hoon K, Tracy BL, **Dibble LE**, Marcus RL, Burgess PR, LaStayo PC. Effects of Practice on variability of muscle force. Perceptual and Motor Skills. Percept Mot Skills. 2015 Apr;120(2):475-90. PMID: 25799026 |
|  | Duncan RP, Leddy AL, Cavanaugh JT, **Dibble LE**, Ellis TD, Ford MP, Foreman KB, Earhart GM. Balance Differences in people with Parkinson disease with and without freezing of gait. Gait Posture. 2015 Sep;42(3):306-9. PMID: 26141905 |
|  | Duncan RP, Cavanaugh JT, Earhart, GM, Ellis TD, Ford MP, Foreman KB, Leddy AL, Paul SS, Canning CG, Thackeray A, **Dibble LE**. External Validation of a Simple Clinical Tool Used to Predict Falls in People with Parkinson Disease. Parkinsonism Relat Disord. 2015 Aug;21(8):960-3. PMID: 26003412 |
|  | Cavanaugh JT, Earhart GM, Ellis TD, Ford MP, Foreman KB, **Dibble LE**. Toward understanding ambulatory activity decline in Parkinson disease. Phys Ther. 2015 Aug;95(8):1142-50. PMID: 25858971 |
|  | Hayes HA, Hunsaker N, Schaefer, SY, Shultz B, Schenkenberg T, Boyd LA, White A, Foreman KB, Dyer P, Maletsky R, **Dibble, LE**. Does Dopamine Replacement Medication Affect Postural Sequence Learning in Persons with Parkinson Disease? Motor Control. 2015 Mar 27. PMID: 25823498 |
|  | Chung-Hoon K, Tracy BL, **Dibble LE**, Marcus RL, Burgess PR, LaStayo PC. The association between knee extensor force steadiness, force accuracy and functional mobility in older adults who have fallen. J Geriatr Phys Ther. 2015 Feb 18. [Epub ahead of print] PMID: 25695470 |
|  | Duncan RP, Leddy AL, Cavanaugh JT, **Dibble LE**, Ellis TD, Ford MP, Foreman KB, Earhart GM. Detecting and Predicting Balance Decline in Parkinson Disease: A Prospective Cohort Study. Journal of Parkinson Disease. 2015 Jan 1;5(1):131-9. doi: 10.3233/JPD-140478. PMID: 25514984 |
|  | Schaefer SY, **Dibble LE**, Duff K.Efficacy and feasibility of functional upper extremity task-specific training for older adults with and without cognitive impairment. Neurorehabilitation and Neural Repair Neurorehabil Neural Repair. 2014 Nov 21. PMID: 25416739 |
|  | **Dibble LE**, Foreman KB, Addison O, Marcus RL, LaStayo PC. Exercise and Medication Effects on Persons with Parkinson Disease Across the Domains of Disability. J Neurol Phys Ther. 2015 Apr;39(2):85-92. PMID: 25742370  |
|  | Papa EV, Garg H, **Dibble LE**. Acute Effects of Muscle Fatigue on Anticipatory and Reactive Postural Control in Older Individuals: A Systematic Review of the Evidence. J Geriatr Phys Ther. 2014 Jun 27. PMID: 24978932 |
|  | Singer M, Smith L, **Dibble LE**, Foreman KB. Age-Related Difference in Postural Control During Recovery from Posterior and Anterior Perturbations. Anat Rec (Hoboken). 2014 Aug 30. PMID: 25175103 |
|  | Addison O, Drummond M, **Dibble LE**, LaStayo PC, Marcus RL. Intramuscular Fat and Inflammation Differ in Older Adults: The Impact of Frailty and Inactivity. J Nutr Health Aging. 2014 May;18(5):532-8. PMID: 24886741 |
|  | Foreman KB, Singer ML, Addison O, Marcus RL, Lastayo PC, **Dibble LE**. Effects of dopamine replacement therapy on lower extremity kinetics and kinematics during a rapid force production task in persons with Parkinson disease. Gait Posture. 2014 Jan;39(1):638-40. Epub 2013 Aug 20.PMID: 23968974 |
|  | Foreman KB, Sondrup S, Dromey C, Jarvis E, Nissen S, **Dibble LE**. The effects of practice on the concurrent performance of a speech and postural task in persons with Parkinson disease and healthy controls. Parkinsons Dis. 2013;2013:987621. Epub 2013 Jun 11. PMID: 23841022 |
|  | Nemanich ST, Duncan RP, **DibbleLE**, CavanaughJT, EllisTD, FordMP, ForemanKB, Earhart GM Predictors of gait speeds and the relationship of gait speeds to falls in men and women with Parkinson Disease. Parkinsons Dis. 2013;2013:141720. Epub 2013 Jun 5. PMID: 23841020 |
|  | **Dibble LE**, Lopez-Lennon C, Lake W, Hoffmeister C, Gappmaier E. Utility of disease-specific measures and clinical balance tests in prediction of falls in persons with multiple sclerosis. J Neurol Phys Ther. 2013 Sep;37(3):99-104. PMID: 23872680  |
|  | Ellis T, Boudreau JK, Deangelis TR, Brown LE, Cavanaugh JT, Earhart GM, Ford MP, Foreman KB, **Dibble LE** Barriers to Exercise in People With Parkinson Disease.. Phys Ther. 2013 May;93(5):628-36. Epub 2013 Jan 3. PMID: 23288910 |
|  | Duncan RP, Leddy AL, Cavanaugh JT, **Dibble LE**, Ellis TD, Ford MP, Foreman KB, Earhart GM. Comparative Utility of the BESTest, Mini-BESTest, and Brief-BESTest for Predicting Falls in Individuals With Parkinson Disease: A Cohort Study. Phys Ther. 2013 Apr;93(4):542-50. Epub 2012 Nov 21. PMID: 23174567 |
|  | Cavanaugh JT, Ellis T, Earhart GM, Ford M, Foreman KB, **Dibble LE.** Ambulatory Activity Monitoring: Capturing Participation-level Decline in Parkinson Disease. J Neurol Phys Ther 2012 Jun;36(2):51-7. PMID: 22592060 |
|  | Marcus RL, Addison O, **Dibble LE**, Foreman KB, Morrell G, LaStayo PC. Intramuscular Adipose Tissue, Sarcopenia and Mobility Function in Older Individuals. J Aging Res. 2012;2012:629637. Epub 2012 Feb 6. PMID: 22500231  |
|  | Duncan R, Leddy A, Cavanaugh JT, **Dibble LE**, Ellis TD, Ford MP, Foreman KB, Earhart GM. Accuracy of Fall Prediction in Parkinson Disease: 6-Month and 12-Month Prospective Analyses. Parkinsons Dis. 2012;2012:237673. Epub 2011 Nov 30. |
|  | Foreman KB, Wisted C, Addison O, Marcus RL, LaStayo PC, **Dibble LE**. Improved Dynamic Postural Task Performance without Improvements in Postural Responses:  The Blessing and the Curse of Dopamine Replacement.  Parkinsons Dis. 2012;2012:692150. Epub 2011 Dec 8 |
|  | Addison O, LaStayo PC, **Dibble LE**, Marcus RL. Inflammation, Aging, and Adiposity: Implications for Physical Therapists. J Geriatr Phys Ther. 2011 Oct 10. [Epub ahead of print] |
|  | Ellis T, Cavanaugh JT, Earhart GM, Ford M, Foreman KB, **Dibble LE**. What Measures of Physical Function and Motor Impairment Best Predict Quality of Life in Parkinson’s Disease? Parkinsonism Relat Disord. 2011 Aug 4. [Epub ahead of print] PMID: 21820940 |
|  | Landers MR, Durand C, Powell DS, **Dibble L**, Young D.  Development of a scale to assess fear-avoidance behavior due to falling: the fear of falling avoidance beliefs questionnaire (FFABQ). Phys Ther. 2011 Aug;91(8):1253-65.  |
|  | Earhart GM, Cavanaugh JT, Ellis T, Ford M, Foreman KB, **Dibble LE**. The 9 Hole Peg Test of Upper Extremity Function: Average Values, Test-retest Reliability, and Factors Contributing to Performance in People with Parkinson Disease. J Neurol Phys Ther. 2011 Oct 20. PMID: 22020457 |
|  | Ellis T., Cavanaugh J.T., Earhart G.M., Ford M.P., Foreman K.B., Fredman L., Boudreau J.K., **Dibble LE** Factors Affecting Exercise Behavior in Persons with Parkinson Disease. Phys Ther. 2011 Oct 14. [Epub ahead of print] PMID: 22003171 |
|  | LaStayo PC, Marcus RL, **Dibble LE**, Smith S, Beck SL. Eccentric exercise versus Usual-care with older cancer survivors: The impact on muscle and mobility- an exploratory pilot study. BMC Geriatrics 2011, **11:**5 doi:10.1186/1471-2318-11-5 |
|  | Foreman KB, Addison O, Kim HS, **Dibble LE**. Testing for balance and fall risk in persons with Parkinson Disease, An Argument for Ecologically Valid Testing. Parkinsonism Relat Disord. 2011 Mar;17(3):166-71. |
|  | Cavanaugh JT, Gappmaier VO, **Dibble LE**, Gappmaier E. Ambulatory activity in individuals with multiple sclerosis. J Neurol Phys Ther 2011;35(1):26-33. |
|  | **Dibble LE**, Cavanaugh JT, Earhart GM, Ellis T, Ford M, Foreman KB. Charting the Progression of Disability in Parkinson Disease: Study Protocol for a Prospective Longitudinal Cohort Study. BMC Neurol. 2010 Nov 3;10(1):110. |
|  | LaStayo PC, Larsen S, Smith S, **Dibble LE**, Marcus RL. The Feasibility and Efficacy of Eccentric Exercise with Older Cancer Survivors: A Preliminary Study. Journal of Geriatric Physical Therapy. Vol 33 (3) Sept 2010, 135-140 |
|  | Dromey C, Jarvis E, Sondrup S, Nissen S, Foreman KB, **Dibble LE**. Bidirectional interference between speech and postural stability in individuals with Parkinson’s disease. International J of Speech Lang Path, 2010, Epub, 1-9 |
|  | Marcus RL, Addison O, Kidde JP, **Dibble LE**, LaStayo PC. Skeletal Muscle Fat Infiltration: Impact of Age, Inactivity, and Exercise. J Nutr Health Aging. Published On-line January, 2010 |
|  | Foreman KB, **Dibble LE**, Droge J, Carson R, Rockwell WB. The Impact of Breast Reduction Surgery on the Low Back. Compressive Forces and Function in Individuals with Macromastia. Plast Reconstr Surg. 2009 Nov;124(5):1393-9. |
|  | Kidde J, Marcus RL, **Dibble LE**, Smith S, LaStayo PC. Regional Muscle and Whole BodyComposition Factors Related to an Older Individual’s Level of Mobility: A Review Physiotherapy Canada, 61 (4) 197-209, 2009 |
|  | **Dibble LE**, Hale T, Marcus RL, Gerber JP, LaStayo PC. High Intensity Eccentric ResistanceTraining Decreases Bradykinesia and Improves Quality of Life in Persons with Parkinson’s Disease.Parkinsonism and Related Disorders, 15 (10), 752-757, 2009 |
|  | LaStayo PC, Meier W, Marcus RL, Mizner R, **Dibble L**, Peters C. (2009). Reversing muscle and mobility deficits 1 to 4 years after TKA: a pilot study. Clin Orthop Relat Res,467(6),1493-500. |
|  | Marcus RL, Lastayo PC, **Dibble LE**, Hill L, McClain DA. (2009). Increased strength and physical performance with eccentric training in women with impaired glucose tolerance: a pilot study. J Womens Health,18(2),253-60. |
|  | **Dibble LE**, Addison O, Papa E. (2009). The effects of exercise on balance in persons with Parkinson's disease: a systematic review across the disability spectrum. J Neurol Phys Ther,33(1),14-26. |
|  | Meier WA, Marcus RL**, Dibble LE**, Foreman KB, Peters CL, Mizner RL, LaStayo PC. (2009). The Long-Term Contribution of Muscle Activation and Muscle Size to Quadriceps Weakness Following Total Knee Arthroplasty. Journal of Geriatric Physical Therapy. 32(2) 35-38 |
|  | Gerber JP, Marcus RL, **Dibble LE**, LaStayo PC. (2009). The Use of Eccentrically-biased Resistance Exercise to Mitigate Muscle Impairments Following Anterior Cruciate Ligament Reconstruction: A Short Review. Sport Health, 1(1), 31-38. |
|  | Marcus RL, Smith S, Morrell G, Addison O, **Dibble LE**, Wahoff-Stice D, Lastayo PC. (2008). Comparison of combined aerobic and high-force eccentric resistance exercise with aerobic exercise only for people with type 2 diabetes mellitus. Phys Ther, 88(11), 1345-54. |
|  | **Dibble LE**, Christensen J, Ballard DJ, Foreman KB. (2008). Diagnosis of fall risk in Parkinson disease: an analysis of individual and collective clinical balance test interpretation. Phys Ther, 88(3), 323-32. |
|  | Gerber JP, Marcus RL, **Dibble LE**, Greis PE, Burks RT, LaStayo PC. (2007). Effects of early progressive eccentric exercise on muscle structure after anterior cruciate ligament reconstruction. J Bone Joint Surg Am, 89(3), 559-70. |
|  | Gerber JP, Marcus RL, **Dibble LE**, Greis PE, Burks RT, Lastayo PC. (2007). Safety, feasibility, and efficacy of negative work exercise via eccentric muscle activity following anterior cruciate ligament reconstruction. J Orthop Sports Phys Ther, 37(1), 10-8. |
|  | Jessop RT, Horowicz C, **Dibble LE**. (2006). Motor learning and Parkinson disease: Refinement of movement velocity and endpoint excursion in a limits of stability balance task. Neurorehabil Neural Repair, 20(4), 459-67. |
|  | **Dibble LE**, Hale T, Marcus RL, Gerber JP, Lastayo PC. (2006). The safety and feasibility of high-force eccentric resistance exercise in persons with Parkinson's disease. Arch Phys Med Rehabil, 87(9), 1280-2. |
|  | **Dibble LE**, Hale TF, Marcus RL, Droge J, Gerber JP, Lastayo PC. (2006). High-intensity resistance training amplifies muscle hypertrophy and functional gains in persons with Parkinson's disease. Mov Disord. 2006 Sep;21(9):1444-52. |
|  | **Dibble LE**, Lange M. (2006). Predicting falls in individuals with Parkinson disease: a reconsideration of clinical balance measures. J Neurol Phys Ther, 30(2), 60-7. |
|  | Gerber JP, Marcus RL, **Dibble LE**, Greis PE, LaStayo PC. (2006). Early application of negative work via eccentric ergometry following anterior cruciate ligament reconstruction: a case report. J Orthop Sports Phys Ther, 36(5), 298-307. |
|  | Lien J, **Dibble L**. (2005). Systems model guided balance rehabilitation in an individual with declarative memory deficits and a total knee arthroplasty: a case report. J Neurol Phys Ther, 29(1), 43-9. |
|  | **Dibble LE**, Nicholson DE, Shultz B, MacWilliams BA, Marcus RL, Moncur C. (2004). Sensory cueing effects on maximal speed gait initiation in persons with Parkinson's disease and healthy elders. Gait Posture, 19(3), 215-25. |
|  | **Dibble LE**, Nicholson DE, MacWilliams BA, Shultz B, Marcus RL, Moncur C. (2004). Maximal Speed Gait Initiation in Persons with Parkinson's Disease and Healthy Controls. Journal of Neurologic Physical Therapy, 28(1), 2-12. |
|  | **Dibble LE**. (2003). Motor Effects of Dopamine Replacement in Person's with Parkinsons Syndrome: Taking the Positive with the Negative. J Neurol Phys Ther, 27(3). |
|  | **Dibble LE**, Nicholson DE. (1997). Sensory Cueing Improves Motor Performance and Rehabilitation in Person's with Parkinson's Disease. Neurol Rep, 21(4). |

* 1. **Review Articles**

|  |  |
| --- | --- |
| 1. | Ellis TD, Colón-Semenza C, DeAngelis TR, Thomas CA, Hilaire MS, Earhart GM, **Dibble LE**. Evidence for Early and Regular Physical Therapy and Exercise in Parkinson's Disease. Semin Neurol. 2021 Mar 19. Epub ahead of print. PMID: 33742432. |
| 2. | Lastayo P, Marcus RL, **Dibble L**, Frajacomo F, Lindstedt SL. Eccentric Exercise in Rehabilitation: Safety, Feasibility and Application. J Appl Physiol. 2013 Jul 3. [Epub ahead of print] PMID: 23823152 |
| 3. | Meier W, Mizner RL, Marcus RL, **Dibble LE**, Peters C, Lastayo PC. Total knee arthroplasty: muscle impairments, functional limitations, and recommended rehabilitation approaches. J Orthop Sports Phys Ther, 2008 38(5), 246-56. |

* 1. **Book Chapters**

|  |  |
| --- | --- |
| 1. | Leland E. Dibble. (2005). Pharmacologic Management of Degenerative Neurologic Diseases. In Barbara Gladson, PhD, PT, OT (Eds.), Pharmacology for Rehabilitation. Elsevier Publishers. |
| 2. | Leland E. Dibble. (2010). Pharmacologic Management of Degenerative Neurologic Diseases. In Barbara Gladson, PhD, PT, OT (Eds.), 2nd ed. Pharmacology for Rehabilitation. Elsevier Publishers. |
| 3. | Lee Dibble and George Fulk (2017). Locomotor Rehabilitation. In O’Sullivan, Schmitz, and Fulk, Physical Rehabilitation, FA Davis.  |

* 1. **Abstracts (all abstracts were presented as poster or platform presentations)**

|  |  |
| --- | --- |
|  | Fino PC, **Dibble LE**, Lester ME, Parrington L, Weightman MW, Hoppes CW, King LA. The Diagnostic Accuracy and Added Value of Turning When Identifying Individuals with Mild Traumatic Brain Injury. *Military Health Systems Research Symposium.* Kissimmee, FL August 23-26, 2021. |
|  | Fino PC, **Dibble LE**, Lester ME, Parrington L, Weightman MW, Hoppes CW, King LA Diagnostic and Prognostic Indicators - Exploring the relationship between turning measures and functional performance tasks in civilian adults with and without mild traumatic brain injury. *Military Health Systems Research Symposium.* Kissimmee, FL August 23-26, 2021. |
|  | Gaudette E, Pelo R, Millsap L, **Dibble LE**, Cortez MM, Fino PC. The association of dizziness with physiological and balance deficits. *Rocky Mountain American Society of Biomechanics Regional Meeting*. Virtual, February 2, 2021. **Best Undergraduate Student Poster Presentation Award** |
|  | Petersell TL, Morris A, Pelo R, **Dibble LE**, Fino PC. The association between neurocognitive testing and reactive balance in collegiate athletes. Podium Presentation at the Rocky Mountain American Society of Biomechanics Regional Meeting. Virtual, February 2, 2021. |
|  | Morris A, Cassidy B, Pelo R, **Dibble LE**, Fino PC. The influence of concussion history on reactive balance performance. *American Society of Biomechanics Annual Meeting.* Atlanta, GA, August 4-7, 2020. \*Virtually held due to COVID-19  |
|  | Kreter N, Dumke B, Rogers C, Lohse KR, **Dibble LE**, Fino PC. Preparations for expected underfoot perturbations in healthy and concussed individuals. *American Society of Biomechanics Annual Meeting.* Atlanta, GA, August 4-7, 2020. \*Virtually held due to COVID-19 **American Society of Biomechanics Clinical Biomechanics Award** |
|  | Fino PC, Millsap L, Pelo R, Cassidy B, **Dibble LE**, Cortez MM. Centripetal acceleration during turning and its relationship with autonomic function in mild traumatic brain injury. *American Society of Biomechanics Annual Meeting.* Atlanta, GA, August 4-7, 2020. \*Virtually held due to COVID-19  |
|  | Fino PC, **Dibble LE**, Lester ME, Parrington L, Weightman MW, King LA. Turning speed and performance during a simulated urban patrol task in people with mild traumatic brain injury. *American Society of Biomechanics Annual Meeting.* Atlanta, GA, August 4-7, 2020. \*Virtually held due to COVID-19 |
|  | Weightman MM, Parrington L, Hoppes CW, Michielutti P, Klaiman M, Fino PC, **Dibble LE**, Lester ME, King LA. Vestibular/Ocular Motor Screening (VOMS) assessment: Exploring use in adults with residual symptoms after mTBI. *Military Health Systems Research Symposium.* TBA, TBA, TBA, 2020. \*Cancelled due to COVID-19  |
|  | Fino PC, **Dibble LE**, Lester ME, Parrington L, Weightman MW, Hoppes CW, King LA. Turning speed and performance during two ecologically-relevant mobility tasks. *Military Health Systems Research Symposium.* TBA, TBA, TBA, 2020. \*Cancelled due to COVID-19  |
|  | Morris A, Cassidy B, Pelo R, **Dibble LE**, Fino PC. The influence of concussion history on reactive balance. Poster presentation at American Society of Biomechanics Annual Meeting, Virtual, August 4-7, 2020. |
|  | Morris A, Cassidy B, Pelo R, Fino NF, Monson NE, Cushman DM, Presson AP, **Dibble LE**, Fino PC. Reactive Postural Responses in Collegiate Athletes. Abstract presentation at American College of Sports Medicine Annual Meeting, Virtual, May 26-30, 2020. |
|  | Cassidy B, Morris A, Pelo R, Fino NF, Chelette C, Burke J, Carioca VG, Presson AP, **Dibble LE**, Fino PC. Reactive Balance Differences Between Collegiate Sports. Abstract presentation at American College of Sports Medicine Annual Meeting, Virtual, May 26-30, 2020. |
|  | Parrington L, Fino PC, **Dibble LE**, Weightman, MM, King LA. Upping The Ante: Can Agility Performance Differentiate Previously Concussed From Healthy Controls? American College of Sports Medicine Conference 2020. May 2020 (Held virtually). |
|  | Pelo RM, Cassiday B, Morris A, **Dibble LE**, Fino PC. The Impact of a Cognitive Task on Postural Responses in Collegiate Athletes. APTA Combined Sections Meeting, February 2020, Denver, CO |
|  | Koch N, Loyd BJ, Hunt G, Lester ME, **Dibble LE**. Use of GPS Monitoring to Examine Community Participation in People with MS, a Case Series. APTA Combined Sections Meeting, February 2020, Denver, CO |
|  | Fangman A, Savier-Steiger J, Ballard P, Schubert MC, **Dibble LE**, Lord BJ. Quantifying Treatment Fidelity during Gaze Stabilization Training. APTA Combined Sections Meeting, February 2020, Denver, CO |
|  | Fino PC, **Dibble LE**, Lester M, Weightman M, King LA. Development Of A Simulated Urban Patrol Task And Its Relation To Clinical Assessments Of Turning. Military Health System Research Symposium. August, 2019, Kissimmee, FL. |
|  | Milsap L, Cortex M, **Dibble LE**, Fino PC. Novel Objective Quantifiable Motor Function Parameters For Evaluation In mTBI Military Health System Research Symposium. August, 2019, Kissimmee, FL. |
|  | Loyd B, Fangman A, Hunt G, Fino P, **Dibble LE**. Turning velocity and control in people with Multiple Sclerosis. International Society for Posture and Gait Research. July, 2019, Edinburgh, Scotland.  |
|  | **Dibble LE**, Loyd B, Fangman A, Savier-Steiger J, Lester M, Paul SS. Detecting alterations in head movements in individuals with varying etiology. International Society for Posture and Gait Research. July, 2019, Edinburgh, Scotland. |
|  | Van Liew C, **Dibble LE**, Foreman KB, Peterson D. Protective stepping in Multiple Sclerosis. International Society for Posture and Gait Research. July, 2019, Edinburgh, Scotland. |
|  | **Dibble LE**, Loyd B, Hunt G, Gurgel R, Shelton C, Lester M, Paul SS. Recovery of head trunk kinematics during functional movement tasks following unilateral vestibular hypofunction. International Society for Posture and Gait Research. July, 2019, Edinburgh, Scotland. |
|  | Loyd B, Hunt G, Gurgel R, Shelton C, Lester M, Paul SS, **Dibble LE**. 3D head stability of people with vestibular hypofunction in varied sensory conditions. International Society for Posture and Gait Research. July, 2019, Edinburgh, Scotland. |
|  | **Dibble LE**, Loyd B, Hunt G, Gurgel R, Shelton C, Lester M, Paul SS. Recovery of head trunk degrees of freedom following unilateral vestibular loss. APTA Combined Sections Meeting 2019. January, 2019, Washington, DC. |
|  | Wile D, Loyd B, Hunt G, Lester M, **Dibble LE**. Characterization of transverse plane head motion and dual task cost during single and dual task timed up and go test in balance impaired and healthy young individuals using wearable sensors. APTA Combined Sections Meeting 2019. January, 2019, Washington, DC. |
|  | Walter C, Olivier GN, **Dibble LE**, Schaefer SY. Priming Error Detection to Augment Learning of a Motor Task: A Proof-of-Principle Study. American Society for Neurorehabilitation. November, 2017, Baltimore, MD. |
|  | Paul SS, Walter C, Olivier GN, **Dibble LE**, Schaefer SY. Dopamine replacement medication improves upper limb motor learning in people with Parkinson Disease: A Randomized Clinical Trial. Australian Physical Therapy Association Annual Meeting, October 2017, Sydney Australia. |
|  | Paul SS, Olivier GN, Walter C, Schaefer SY, **Dibble LE**. Does dopamine replacement medication influence learning of a balance task in people with Parkinson Disease?: A Randomized Clinical Trial. Australian Physical Therapy Association Annual Meeting, October 2017, Sydney Australia. |
|  | Paul SS, Walter C, Olivier GN, **Dibble LE**, Schaefer SY. Exogenous dopamine improves acquisition, retention, and transfer of skilled upper extremity movement in people with Parkinson Disease. Movement Disorders Society International Congress, June 2017, Vancouver, BC, Canada |
|  | Paul SS, Olivier GN, Walter C, Schaefer SY, **Dibble LE**. Dopamine replacement influences on postural motor learning in Parkinson disease. Movement Disorders Society International Congress, June 2017, Vancouver, BC, Canada |
|  | Paul SS, Lester ME, Walther RG, Shelton C, Gurgel RK, **Dibble LE**. Head Kinematics and Head-Trunk Coordination in People with and Without Vestibular Hypofunction. Gait and Clinical Movement Analysis Society Meeting, May 2017, Salt Lake City, UT |
|  | Hayes HA, Schaefer SY, **Dibble LE**. The Feasibility and Efficacy of a Postural Continuous Tracking Task: Exploring the Dosing of Postural Task Practice in Parkinson Disease. IV STEP 2016.  Prevention, Prediction, Plasticity, and Participation. July, 2016, Columbus, OH  |
|  | Duncan RP, McNeely ME, Cavanaugh JT, **Dibble LE**, Ellis TD. Tracking Progression of Motor Signs and Quality of Life Based on Motor Phenotype in Parkinson Disease. IV STEP 2016.  Prevention, Prediction, Plasticity, and Participation. July, 2016, Columbus, OH |
|  | Lester ME, Cavanaugh JT, Foreman KB, Schaffer SW, Marcus RL, **Dibble LE**. Adaptation of Postural Recovery Responses to a Vestibular Sensory Illusion in Individuals with Parkinson Disease and Healthy Controls. IV STEP 2016.  Prevention, Prediction, Plasticity, and Participation. July, 2016, Columbus, OH |
|  | Wilson CR, Chesebrough SW, Merryweather AS, **Dibble LE**, Foreman KB. Gait Kinematics During Obstacle Negotiation in A Virtual Environment Gait and Clinical Movement Analysis Society (GCMAS) 2016 Meeting. May 17-20, Memphis, TN |
|  | Paul SS, Lester M, Foreman KB, Rowinski B, Beseris E, **Dibble LE**. Discriminating head on body motion using body worn sensors. Gait and Clinical Movement Analysis Society (GCMAS) 2016 Meeting. May 17-20, Memphis, TN |
|  | Paul SS, Lester M, Foreman KB, **Dibble LE**. Validity of 2D motion capture for quantifying balance deficits. APTA Combined Sections Meeting 2016, Anaheim, CA, February 17-20  |
|  | Papa E, Foreman KB, **Dibble LE.** (2015) The effects of fatigue on reactive postural tasks in persons with PD. World Confederation of Physical Therapy, Singapore. |
|  | Papa E, Foreman KB, **Dibble LE.** (2015) The effects of fatigue on anticipatory and reactive postural tasks in persons with PD. Proceedings of the American Physical Therapy Association, Combined Sections Meeting, Indianapolis. |
|  | Garg H, **Dibble LE,** Schubert MC, Gappmaier E. (2015) Clinical vestibular and balance findings in persons with Multiple Sclerosis. Proceedings of the American Physical Therapy Association, Combined Sections Meeting, Indianapolis. |
|  | Garg H, **Dibble LE,** Schubert MC, Gappmaier E. (2014) Angular Vestibulo-ocular reflex and dynamic balance function in people with MS. International Journal of MS Care: Winter 2014, Vol. 16, No. 4, pp. 209-210. |
|  | Garg H, **Dibble LE,** Schubert MC, Gappmaier E. (2014) Differences in compensatory eye responses between high and low velocity head roations in persons with MS and healthy controls. International Journal of MS Care: Winter 2014, Vol. 16, No. 4, pp. 209-210. |
|  | Smith LK, Hunt M, **Dibble, LE**, Merryweather A, Foreman KB. (2014) Examining causes and consequences to falls in Parkinson disease. Experimental Biology, San Diego. |
|  | Hayes H, Hunsaker N, Foreman KB, Boyd LA, **Dibble, LE**. (2014) Testing the dopamine overdose hypothesis on implicit motor sequence learning in Parkinson disease. Proceedings of the American Physical Therapy Association, Combined Sections Meeting, Las Vegas, NV.  |
|  | Hayes H, Hunsaker N, Foreman KB, Boyd LA, **Dibble, LE**. (2014) The Effects of Age and Parkinson Disease on Spatial and Temporal Leaning During a Posturally Demanding Implicit Motor Sequence Task. Proceedings of the American Physical Therapy Association, Combined Sections Meeting, Las Vegas, NV.  |
|  | Papa EV, Dyer PS, Foreman KB, **Dibble LE**. (2014)Acute muscle fatigue reduces anticipatory postural control in Parkinson disease. Proceedings of the American Physical Therapy Association, Combined Sections Meeting, Las Vegas, NV.  |
|  | Lester M, Singer M, Smith L, Foreman KB, **Dibble LE**. (2014) Utility of the posterior tether release in assessing reactive postural stability. Proceedings of the American Physical Therapy Association, Combined Sections Meeting, Las Vegas, NV.  |
|  | Lester M, Shaffer S, Marcus RL, Cavanaugh JT, Foreman KB, **Dibble LE**. (2014) Influence of galvanic vestibular stimulation on the temporal components of postural stability. Proceedings of the American Physical Therapy Association, Combined Sections Meeting, Las Vegas, NV.  |
|  | Duncan RP, Leddy AL, Cavanaugh JT, **Dibble LE**, Ellis TD, Ford MP, Foreman KB, Earhart GM (2013) Balance differences between people with and without freezing of gait in Parkinson disease. World Congress on Parkinson Disease. Montreal, Canada  |
|  | Duncan RP, Leddy AL, Cavanaugh JT, **Dibble LE**, Ellis TD, Ford MP, Foreman KB, Earhart GM (2013). Predictors of changes in balance over 6 and 12 months in Parkinson disease: An exploratory analysis. Accepted to the 17th International Congress of Parkinson's Disease and Movement Disorders. Sydney, Australia  |
|  | Duncan RP, Leddy AL, Cavanaugh JT, **Dibble LE**, Ellis TD, Ford MP, Foreman KB, Earhart GM (2013). Prospective measurement of balance decline in people with Parkinson disease: An exploratory analysis. Accepted to the 17th International Congress of Parkinson's Disease and Movement Disorders. Sydney, Australia  |
|  | Nemanich ST, Duncan RP, Cavanaugh JT, **Dibble LE**, Ellis TD, Ford MP, Foreman KB, Earhart GM (2013). Predictors of walking speed and differential between preferred and fast as possible walking speeds in a cohort of people with Parkinson Disease. Accepted to the 17th International Congress of Parkinson's Disease and Movement Disorders. Sydney, Australia  |
|  | Hayes HA, Hunsaker N, Boyd L, Foreman KB, Maletsky R, Dyer P, **Dibble LE** (2013). The effects of age and Parkinson disease on performance and learning of an environmentally valid implicit motor sequence task. Accepted to the 17th International Congress of Parkinson's Disease and Movement Disorders. Sydney, Australia  |
|  | Foreman KB, Sondrup S, Dromey C, Jarvis E, Nissen S, **Dibble LE** (2013). Dosing dual-task balance practice: the effects of age and Parkinson disease. Accepted to the 17th International Congress of Parkinson's Disease and Movement Disorders. Sydney, Australia  |
|  | Smith LK, Singer ML, Foreman KB, **Dibble LE**. (2013). The effects of Parkinson disease on recovery from anterior and posterior falls. Accepted to Experimental Biology Meeting, Boston, MA. |
|  | Singer ML, Smith LK, **Dibble LE**, Foreman KB. (2013). Age-Related Difference in Postural Control During Recovery from Forward and Backward Falls. Accepted to Experimental Biology Meeting, Boston, MA. |
|  | Papa E, Foreman KB, **Dibble LE**. (2013). Effect of Dopamine Replacement on Motor Control of an Eccentric Postural Control Task in Parkinson’s Disease. [Abstract]. Proceedings of the American Physical Therapy Association, Combined Sections Meeting, San Diego, CA. |
|  | Duncan RP, Leddy AL, Cavanaugh JT, **Dibble LE,** Ellis TD, Ford MP, Foreman KB, Earhart GM. (2013). Predicting Falls in Parkinson Disease: Is the Brief-BESTest as good as the Mini-BESTest? [Abstract]. Proceedings of the American Physical Therapy Association, Combined Sections Meeting, San Diego, CA. |
|  | **Foreman KB**, Addison O, Marcus RL, LaStayo PC, Dibble LE. (2012). The Complementary Effect of Exercise and Medication on Gait, Balance, and Disease Severity in Persons with Parkinson Disease. [Abstract]. Proceedings of the International Society for Posture and Gait Research, Trondheim Norway |
|  |  Foreman KB, Addison O, Marcus RL, LaStayo PC, **Dibble LE** (2012) Exercise and Medication Induced Improvements in Postural Instability and Dynamic Balance Task Performance in Persons with Parkinson Disease. Movement Disorders Conference, Dublin, Ireland |
|  |  **Dibble LE**, Foreman KB, Addison O, Marcus RL, LaStayo PC (2012) Skeletal muscle quality, muscle function, and mobility of persons with moderate PD improves in response to exercise. Movement Disorders Conference, Dublin, Ireland |
|  |  Cavanaugh JT, Ellis T, Earhart GM, Ford M, Foreman KB, **Dibble LE**. (2012) Ambulatory Activity Monitoring: Capturing Participation-level Decline in Parkinson Disease. Movement Disorders Conference, Dublin, Ireland |
|  |  Ford MP, Cavanaugh JT, Earhart G, Ellis T, Foreman KB, Husingh C, McGwin G, **Dibble LE**. (2012) Charting the progression of disability Parkinson disease (CHOP PD): changes in disability over 12 months. Movement Disorders Conference, Dublin, Ireland |
|  | Ford MP, Cavanaugh JT, Earhart G, Ellis T, Foreman KB, Husingh C, McGwin G, **Dibble LE**. (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 Disorders Conference, Dublin, Ireland |
|  | Addison O, Foreman KB, Marcus RL, LaStayo PC, **Dibble LE** (2012) Exercise Training Improves Muscle Strength and Muscle Quality Without Muscle Structure Changes in Persons with Moderate Parkinson Disease. Proceedings of the American Physical Therapy Association, Combined Sections Meeting. |
|  |  Foreman KB, Addison O, Marcus RL, LaStayo PC, **Dibble LE** (2011) Improved Gait-Related Mobility without Improvements in Postural Responses: The Blessing and the Curse of Dopamine Replacement. Proceedings of the American Physical Therapy Association, Combined Sections Meeting. |
|  | Foreman KB, Addison O, Marcus RL, LaStayo PC, **Dibble LE** (2011) Exercise and Medication Exert a Complementary Effect on Postural Control and Balance in persons with Parkinson Disease. GCMAS Meeting, Bethesda, MD |
|  | Earhart, G.M., Duncan, R.P., Leddy, A.L., Cavanaugh, J.T., Ellis, T., Ford, M.P., Foreman, K.B., **Dibble LE** (2011) Prospective Identification of Fallers with Parkinson Disease Using the BESTest and MiniBESTest. ISPGR Meeting, Akita, Japan. |
|  | Haaker T, Foreman KB, LaStayo PC, Marcus RL, Dibble LE. Force Production During a Counter Movement Jump in Persons with Parkinson Disease. Experimental Biology Meeting , Washington, DC, 2011. |
|  | Ellis T, Cavanaugh JT, Earhart GM, Ford MP, Foreman BK, **Dibble LE**. (2010) Gender Impacts Physical Activity Levels in People with Parkinson Disease. Seventh Annual Interdisciplinary Women's Health Research Symposium; Journal of Women’s Health; 19(10). |
|  | Marcus RL, Derkacs D, **Dibble LE**, Foreman KB, LaStayo PC. (2010) Intramuscular Adipose Tissue and Mobility Function in Older Individuals who Have Fallen. [Abstract]  **Exercise and Physical Activity in Aging Conference: Blending Research and Practice** |
|  | Earhart GM, Cavanaugh JT, Ellis T, Ford MP, Foreman KB, **Dibble LE**. (2010) The 9 Hole Peg Test: What Does it Really Measure in People with Parkinson Disease? [Abstract] World Parkinson Congress |
|  | Earhart GM, Cavanaugh JT, Ellis T, Ford MP, Foreman KB, **Dibble LE**. (2010) What Combination of Tests Best Identifies Fallers in People with Parkinson Disease? [Abstract]. World Parkinson Congress |
|  | Ford MP, Cavanaugh JT, Earhart GM, Ellis T, Foreman KB, **Dibble LE**. (2010) Balance, Gait Speed Flexibility, and Physical Activity Predict Walking Capacity in People with Parkinson Disease. [Abstract]. World Parkinson Congress |
|  | Foreman KB, Cavanaugh JT, Earhart GM, Ellis T, Ford MP, **Dibble LE**. (2010) Does Peripheral Neuropathy Worsen Balance Performance & Functional Mobility in Persons with Parkinson Disease? [Abstract]. World Parkinson Congress |
|  | Foreman KB, Cavanaugh JT, Earhart GM, Ellis T, Ford MP, **Dibble LE**. (2010) Accumulation of Comorbidities Worsens Functional Mobility, Motor Deficits, and Quality of Life in Persons with Parkinson Disease. [Abstract] World Parkinson Congress |
|  | Ellis T, Cavanaugh JT, Earhart GM, Ford MP, Foreman KB, **Dibble LE**. (2010) Typical Physical Activity Levels in People with Parkinson Disease: Effect of Disease State, Gender and Age. [Abstract] World Parkinson Congress |
|  | Ellis T, Cavanaugh JT, Earhart GM, Ford MP, Foreman KB, **Dibble LE**. (2010) Which UPDRS Motor / Mobility Items Best Predict Quality of Life in People with Parkinson’s Disease? [Abstract] World Parkinson Congress |
|  | Foreman KB, Cavanaugh JT, Earhart GM, Ellis T, Ford MP, **Dibble LE**. (2010) Accumulation of Comorbidities Worsens Functional Mobility, Motor Deficits, and Quality of Life in Persons with Parkinson Disease. [Abstract] Parkinson Study Group Annual Meeting. Movement Disorders, 25(6), VII.   |
|  | Jarvis E, Sondrup S, Foreman KB, Dromey C, Dibble LE (2010) Dual Task Effects on Motor Performance of Postural and Speech Tasks: Preliminary Evidence for a Posture First Strategy? [Abstract] Proceedings of the American Physical Therapy Association, Combined Sections Meeting, |
|  | Foreman KB, Addison O, Marcus RL, LaStayo PC, **Dibble LE**. (2010) Postural Control and Clinical Balance Test Performance Differs between Parkinson Disease Sub-types. [Abstract] Proceedings of the American Physical Therapy Association, Combined Sections Meeting, & World Congress on Parkinson Disease and Related Disorders (2009) |
|  | Barton C, **Dibble LE**, Carrier J, Foreman KB. (2010) Quantification of Spinal Curvatures using a Kinematic Analysis System. [Abstract] Proceedings of the American Physical Therapy Association, Combined Sections Meeting |
|  | Foreman KB, Addison O, Marcus RL, LaStayo PC, **Dibble LE**. (2010) A Recipe for Disaster? Postural Control and Balance Abilities of Persons with Parkinson Disease and Peripheral Neuropathy. [Abstract] Proceedings of the American Physical Therapy Association, Combined Sections Meeting, |
|  | LaStayo P, Marcus R, **Dibble LE**, Larsen S, Smith S. (2010) High Intensity Eccentric Resistance Training on Muscle Structure, Function, Mobility in Elderly Cancer Survivors. [Abstract] Proceedings of the American Physical Therapy Association, Combined Sections Meeting, |
|  | Dromey C, Jarvis E, Sondrup S, Nissen S, Foreman KB, **Dibble LE**. (2010) Interactions between postural stability and speech in individuals with Parkinson’s disease. [Abstract]. Fifteenth Biennial Conference on Motor Speech: Motor Speech Disorders & Speech Motor Control. |
|  | Irvine JC, Hayes BT, **Dibble LE**. (2009)  Immediate effects of muscular fatigue on postural stability and motoneuron pool excitability in healthy adults.  [Abstract]. National Conference for Undergraduate Research, Oral Presentation, La Crosse University, La Crosse, WI. |
|  | Lake W, **Dibble LE**, Gappmaier E, Lopez-Lennon C, Hoffmeister C (2009) Fall Events in Participants with MS Related to Functional Mobility Testing—A Prospective and Retrospective Analysis. [Abstract] Consortium of Multiple Sclerosis Centers Annual Conference.  |
|  | Gappmaier V, Cavanaugh JT, **Dibble LE**, Gappmaier E. (2009) Ambulatory activity of persons with Mutlple Sclerosis-Relationship to Disability, Function, and Fatigue. [Abstract]Consortium of Multiple Sclerosis Centers Annual Conference.  |
|  | Cavanaugh JT, Gappmaier V, **Dibble LE**, Gappmaier E. (2009) Ambulatory Activity Characteristics of Persons with Multiple Sclerosis. [Abstract] Consortium of Multiple Sclerosis Centers Annual Conference. |
|  | Smith S, Addison O, Morrell G, **Dibble LE**, Wahoff-Stice D, LaStayo PC, Marcus RL. (2009). Comparison of Combined Aerobic and High-Force Eccentric Resistance Exercise to Aerobic-Only Exercise for People with Type 2 Diabetes Mellitus [Abstract]. Proceedings of the American Physical Therapy Association, Combined Sections Meeting, |
|  | Marcus RL, Smith S, Morrell G, Addison O, **Dibble LE**, Wahoff-Stice D, LaStayo PC. (2009). Comparison of combined aerobic and high force eccentric resistance exercise to aerobic only exercise for people with type 2 diabetes mellitus [Abstract]. Proceedings of the American Physical Therapy Association Combined Sections Meeting. |
|  | Wallace S, Ballard DJ, House P, Steffens J, **Dibble LE**. (2008) Sub-Thalamic nucleus deep brain stimulation and dopamine replacement effects on clinical balance tests and dyskinesias in persons with Parkinson’s disease [Abstract]. Proceedings of the American Physical Therapy Association, Combined Sections Meeting. |
|  | **Dibble LE**, Foreman KB, Addison O, Marcus RL, LaStayo PC. (2009). Differential Effects of Dopamine Replacement on clinical and Laboratory Measures of Postural control in Moderate Parkinson’ Disease. ( [Abstract]. Proceedings of the American Physical Therapy Association, Combined Sections Meeting & World Congress on Parkinson Disease and Related Disorders (2009) |
|  | Addison O, Marcus RL, **Dibble LE**, Smith S, Clark D, LaStayo PC. (2009). Thigh Intramuscular Fat and Not Lean is Associated With Physical Activity and Mobility in Older Breast Cancer Survivors [Abstract]. Proceedings of the American Physical Therapy Association, Combined Sections Meeting. |
|  | Lopez-Lennon C, Hoffmeister C, Lake W, **Dibble LE**, Gappmaier E. (2008) Critical analysis of Clinical Balance Tests in People with Multiple Sclerosis. [Abstract] Consortium of Mutiple Sclerosis Centers Annual Meeting. |
|  | Hayes HA, Gappmaier E, **Dibble LE**, LaStayo PC. (2008). Effects of a high intensity resistance training program on strength, mobility and fatigue in moderately severe idividuals with Multiple Sclerosis [Abstract]. World Congress on Treatment and Research in Multiple Sclerosis. |
|  | Hayes, HA, Gappmaier E, **Dibble LE**, LaStayo PC. (2008). Safety and feasibility of a high intensity resistance training program for individuals with Multiple Sclerosis [Abstract]. World Congress on Treatment and Research in Multiple Sclerosis. |
|  | Marcus RL, Kidde J, **Dibble LE**, Addison O, LaStayo PC. (2008). Intramuscular Fat in Older Adults and the Impact of Resistance Training [Abstract]. The Journal of Nutrition, Health and Aging, 12(7), 2008. |
|  | LaStayoPC, Marcus RL, Smith S, Kidde J, Dibble, L, Butler C, Hill M. (2008). Is There a Relationship Between Muscle, Mobiity and Physical Activity in Elderly Cancer Survivors? [Abstract]. The Journal of Nutrition, Health and Aging, 12(7), 2008. |
|  | LaStayo PC, Marcus RL, **Dibble LE**, Kidde J, Peters C, Meier W. (2008). Reversing Chronic Muscle and Mobility Deficits Following Total Knee Joint Arthroplasty via Resistance Exercise [Abstract]. The Journal of Nutrtion, Health and Aging, 12(7), 2008. |
|  | Lopez-Lennon C, Hoffmeister C, Lake W, **Dibble LE**, Gappmaier E. (2008). Critical analysis of Clinical Balance Tests in People with Multiple Sclerosis [Abstract]. International Journal of MS Care,, 10(Suppl 1), 22. |
|  | Gerber JP, Marcus RL, **Dibble LE**, LaStayo PC. (2008). Do early eccentrically induced muscle size and functional improvements persist following anterior cruciate ligament reconstruction? [Abstract]. Journal of Orthopedic and Sports Physical Therapy, 38(1), A26. |
|  | Foreman KB, **Dibble LE**, Marcus RL, Droge J, Ward A, LaStayo PC. (2008). Eccentric Forces during Resistance Exercise in a Rehabilitation Setting: Are they Supra-Maximal? [Abstract]. FASEB J, 2008(22), 980:2. |
|  | Marcus RL, Kidde J, **Dibble LE**, Gerber JP, Foreman K, LaStayo PC. (2008). Increasing Intramuscular Fat: A Consequence of Aging, Impairment, or Both? [Abstract]. Journal of Orthopedic and Sports Physical Therapy, 38(1), A48. |
|  | Marcus RL, Gerber JP, **Dibble LE**, LaStayo PC. (2008). Muscle quality: Do males and females respond differently following rehabilitation? [Abstract]. Journal of Orthopedic and Sports Physical Therapy, 38(1), A43. |
|  | Mehler M, Hale TF, Foreman KB, **Dibble LE**. (2007). Differences in anticipatory postural adjustments between fallers and non-fallers in persons with Multiple Sclerosis [Abstract]. Published in Journal of Neurologic Physical Therapy, 31(4), 190-232. |
|  | Lasco KA, Foreman KB, **Dibble LE**. (2007). Disease severity differences in anticipatory postural adjustments in persons with Parkinsons disease [Abstract]. Journal of Neurologic Physical Therapy, 31(4), 190-232. |
|  | **Dibble LE**, Foreman KD, Hayes H. (2006). Tracking the natural history of mobility loss in neurodegenerative diseases: Preliminary results using an on-line database tracking system [Abstract]. Journal of Neurologic Physical Therapy, Dec 2006. |
|  | LaStayo PC, Flann K, Lindstedt S, Marcus RL, **Dibble LE**, McClain D. (2007). Skeletal muscles anabolic and growth response: Is damage a pre-requisite? [Abstract]. APTA Combined Sections Meeting, Boston, MA. |
|  | Gerber JP, Marcus RL, **Dibble LE**, Greis P, Burks RT, LaStayo PC. (2007). Effects of Early Progressive Eccentric Exercise on Muscle Structure After Anterior Cruciate Ligament Reconstruction [Abstract]. JOSPT, 31(7A21), A27. |
|  | Meier W, Marcus RL, **Dibble LE**, Peters C, LaStayo PC. (2007). Safety, feasibility and efficacy of negative work exercise via eccentric muscle activity following total knee arthroplasty [Abstract]. Meier W, Marcus RL, Dibble LE, Peters C, LaStayo PC, 31(7), A33. |
|  | LaStayo PC, **Dibble LE**, Marcus RL, Lindstedt S. (2006). Negating Aging's Negative Effects on Muscle with Negative Work [Abstract]. Proceedings of the American Physiologic Society Annual Meeting 2006, Virginia Beach, VA, October 2006. |
|  | Morris Bamberg SJ, LaStayo PC, **Dibble LE**, Musselman J, Raghavendra SKD. (2006). Development of a Quantitative In-Shoe Measurement System for Assessing Balance: Sixteen-Sensor Insoles [Abstract]. IEEE 2006, Proceedings of the International Conference of the Engineering in Medicine and Biology Society. New York City, NY, August 30-Sept 3, 2006. |
|  | Lindstedt SL, Marcus R, **Dibble L**, LaStayo PC. (2006). The Positives of Negatives: Eccentric Training for the Elderly [Abstract]. Proceedings of the European College of Sport Science. Lausanne Switzerland, July 2006. |
|  | Gerber, JP, Marcus RL, **Dibble LE**, Greis PE, Burks RT, LaStayo PC. (2006). The effects of an eccentric intervention on muscle morphology following anterior cruciate ligament reconstruction [Abstract]. Proceedings of Mary Lipscomb Hamrick Research Meeting, Department of Defense, 2006. |
|  | **Dibble L**, Hale TF, Droge JA, Gerber JP, Marcus RL, LaStayo PC. (2006). High Intensity Negative Work Improves Muscle Hypertrophy and Reduces Bradykinesia in Persons with Parkinsons Disease [Abstract]. Movement Disorders (Proceedings of the World Congress on PD), March 2006. |
|  | **Dibble LE**, Droge J, Gerber JP, Marcus RL, LaStayo PC. (2006). Psychometric Properties of Quadriceps Femoris Muscle Volume Measurements via Magnetic Resonance Imaging [Abstract]. APTA Combined Sections Meeting, San Diego, CA, February 2006. |
|  | LaStayo PC, Marcus RL, **Dibble LE**, Droge J, Hill L and McClain D. (2005). A high-force, low-metabolic-cost resistance intervention: can an anabolic effect occur in a post-menopausal population? [Abstract]. Gerontologist, 45(s2), 297-298. |
|  | Marcus RL, LaStayo PC, Hill L, **Dibble LE**, Droge J, and McClain D. (2005). A high-force, low-metabolic-cost resistance intervention: lessening risk factors for CVD in post-menopausal women with impaired glucose tolerance [Abstract]. Gerontologist, 45(s2), 121. |
|  | **Dibble LE**, Jessop RT. (July 2005). Quadriceps Femoris Activation Deficits in Persons with Parkinsons Disease. III Step: International Motor Contol Conference [Abstract]. Proceedings of III Step: International Motor Control Conference. |
|  | **Dibble LE**, Hale TF, Droge JA, Gerber JP, Marcus RL, LaStayo PC. (2005). The Safety and Feasibility of a High Intensity Negative Work Intervention in Persons with Parkinsons Disease [Abstract]. APTA Combined Sections Meeting New Orleans, LA Feb. 2005. |
|  | Gerber JP, Marcus RL, **Dibble LE**, Droge J, Burks RT, LaStayo PC. (2005). Safety and feasibility of a high force eccentric resistance exercise regime after anterior cruciate ligament reconstruction. [Abstract]. J Orthop Sports Phys Ther, 35(01906011). |
|  | Gerber JP, **Dibble L**, Droge JA, Marcus RL, LaStayo PC. (2005). The Effect of a High Intensity Negative Resistance Intervention following Anterior Cruciate Ligament Reconstruction [Abstract]. JOSPT, 35(01906011). |
|  | **Dibble LE**, Hale TF, Droge JA, Gerber JP, Marcus RL, LaStayo PC. (2004). High Intensity Negative Work Reduces Bradykinesia While Improving Balance and Quality of Life in Persons with Parkinsons Disease [Abstract]. Journal of Neurologic Physical Therapy, Dec 2004. |
|  | Jessop RT, Horowicz C, **Dibble LE**. (2004). Motor Learning in Parkinsons Disease: Refinement of Movement Velocity and Endpoint Excursion in a Limits of Stability Balance Task [Abstract]. Journal of Neurologic Physical Therapy, Dec 2004. |
|  | **Dibble LE**, Hale TF, Gerber JP, Droge JA, Marcus RL, LaStayo PC. (2004). Muscle Force, Structure, and Function Change Following High Intensity Negative Work in Persons with Parkinsons Disease [Abstract]. Journal of Neurologic Physical Therapy, Dec 2004. |
|  | **Dibble LE**. (2003). Quantitative Clinical Gait Analysis in Persons with Burn Injuries [Abstract]. Proceedings of the American Burn Association Meeting, Miami FL, April, 2003. |
|  | **Dibble LE**, Phillips JJ. (2003). The Effects of Multidimensional Exercise Program on Balance, Balance Confidence, and Quality of Life in Persons with Parkinson's Disease [Abstract]. Journal of Neurologic Physical Therapy. |
|  | **Dibble LE**, Phillips JJ. (2002). Clinical Balance Characteristics of Fallers and Non-Fallers in Persons with Parkinsons Disease [Abstract]. Neurology Report. |
|  | Marcus RL, Nicholson DE, MacWilliams BA, **Dibble LE**. (2001). Compression Garments Improve Single Limb Standing Balance in Children with Cerebral Palsy [Abstract]. Brain and Development. |
|  | Marcus RL, Nicholson DE, MacWilliams BA, **Dibble LE**. (2001). Compression Garments Improve Single Limb Standing Balance in Children with Cerebral Palsy [Abstract]. Gait and Posture. |
|  | Marcus RL, Nicholson DE, MacWilliams BA, **Dibble LE**. (2001). Effects of Compression Garments on Gait [Abstract]. Gait and Posture. |
|  | Marcus RL, Nicholson DE, MacWilliams BA, **Dibble LE**. (2001). Effects of compression Garments on Gait in Children with Cerebral Palsy [Abstract]. Brain and Development. |
|  | **Dibble LE**, Nicholson DE, MacWilliams BA, Marcus RL. (2001). Sensory Cueing Impairs Gait Initiation in Persons with Parkinson's Disease and Healthy Controls [Abstract]. Gait and Posture. |
|  | Marcus RL, **Dibble LE**. (1997). Educational Outcomes and Patient Satisfaction Measures in a Cost Effective Faculty Practice Model [Abstract]. Physical Therapy. |
|  | Nicholson DE, **Dibble LE**, Marcus RL, Roberts JW, Heilbrun MP. (1997). The Effect of L-dopa and Pallidotomy on Reaction Time Tasks in Person's with Parkinson's Disease [Abstract]. Physical Therapy. |
|  | **Dibble LE**, Nicholson DE, Marcus RL, Roberts JW, Heilbrun MP. (1996). Ventroposterolateral Pallidotomy Enhances Self Selected Speed Gait Characteristics in Persons with Parkinson's Disease [Abstract]. Issues on Aging. |
|  | Nicholson DE, **Dibble LE**, Marcus RL, Roberts JW, Heilbrun MP. (1996). Ventroposterolateral Pallidotomy Enhances Upper Extremity Motor Performance in Persons with Parkinson's Disease [Abstract]. Issues on Aging. |
|  | **Dibble LE**, Nicholson DE, Marcus RL. (1996). Levo-dopa Enhances Gait Characteristics in Persons with Parkinson's Disease [Abstract]. Neurology Report. |
|  | Nicholson DE, **Dibble LE**, Marcus RL. (1996). Levo-dopa Enhances Goal Directed Aiming and Thenar Pinch in Persons with Parkinson's Disease [Abstract]. Neurology Report. |
|  | Nicholson DE, **Dibble LE**, Miller M, Roberts JW. (1995). Quantitative Assessment of Parkinson's Symptoms [Abstract]. World Confederation of Physical Therapy Conference Proceedings. |
|  | **Dibble LE**. (1995). Utilization of Motor Learning in Orthopedic Rehabilitation [Abstract]. JOSPT, 21(1), 58. |
|  | Dibble, LE, Silberman B. (1993). Rehabilitation of the Scuba Diver with Type II Decompression Sickness [Abstract]. Paraplegia, American Spinal Injury Association Annual Conference Abstracts. |
|  | **Dibble LE**, Jaunich LT, Gross MT, Chandler JM, Malone TR. (1993). The Electromyographic Response of Selected Lower Extremity Musculature During Ergometric Cycling at Varying Loads [Abstract]. JOSPT, 17(1), 58. |

* 1. **Other (Commentary/Letters/Editorials/Case Reports/Video/Film)**

**Editorials /Case Report / Commentary**

|  |  |
| --- | --- |
| 1. | **Dibble LE**, Ellis TD. The sobering and puzzling reality of rehabilitation referrals for Parkinson disease. Parkinsonism Relat Disord. 2021 Feb 1:S1353-8020(21)00032-8. Epub ahead of print. PMID: 33551313. |
| 2. | Earhart GM, **Dibble LE**, Ellis T, Nieuwboer A. Rehabilitation and Parkinson's disease 2013. Parkinsons Dis. 2013;2013:506375. doi: 10.1155/2013/506375. Epub 2013 Aug 28. PMID: 24069545 |
| 3. | Earhart GM, Ellis T, Nieuwboer A, **Dibble LE**. Rehabilitation and Parkinson's disease 2012.Parkinsons Dis. 2012;2012:371406. doi: 10.1155/2012/371406. Epub 2012 Apr 5. PMID: 22550611 |
| 4. | **Dibble L**, Billinger S. On the front lines but not engaged in the battle. J Neurol Phys Ther. 2013 Jun;37(2):49-50. doi: 10.1097/NPT.0b013e31828f64c6. PMID: 23579314 |
| 5. | Foreman KB, Ballard J, **Dibble LE.** (2010).Amplification of Fall Risk in PD: The Influence of Comorbidities. Gerinotes, July Geriatric Section Newsletter. |
| 6. | **Dibble LE**. (2008). It's not just about the score: using the full clinical picture to identify future fallers. J Neurol Phys Ther, 32(3), 148-9. |

**Other**

|  |  |
| --- | --- |
| 1. | **Dibble LE**, Christiansen J, Ballard DJ, Foreman KB. (2008). Author Response to Letter to the Editor regarding: Diagnosis of fall risk in Parkinson disease: An analysis of individual and collective clinical balance test interpretation. In Phys Ther 2008 88: 679-680 (DOI: 10.2522/ptj.2008.88.5.679.2). |

**Video/Film/CD/Web**

|  |  |
| --- | --- |
| 1  | **Dibble LE,** Fulk G, King LA. (2021). Podcast: Deep Dive into Participation. Degenerative Diseases Special Interest Group. <https://podcasts.neuropt.org/ddsig/dd-sig-special-episode-a-deep-dive-into-participation-episode-19/> |
| 2 | **Dibble LE.** (2019).Podcast: Motor Learning in Parkinson Disease. Degenerative Diseases Special Interest Group. <https://www.buzzsprout.com/361643/1524550-episode-3-motor-learning-in-parkinson-s-disease-with-lee-dibble>.  |
| 3 | **Dibble LE**. (2008). Podcast: Clinical Point of View: It's not just about the score: Using the full clinical picture to identify persons with PD who fall. Invited Commentary [Web].  Podcast: http://www.scienceaudio.net/jnpt/200809/jnpt\_200809.mp3. |
| 4 | **Dibble LE; Other Participant: Susan W Muir**, BSc, BScPT. Moderator: Rebecca L Craik, PT, PhD, FAPTA. (2008). Podcast: Identifying Future Fallers: It's Not Black and White [Web].  <http://www.ptjournal.org/content/vol88/issue4/images/data/449/DC3/Falls_Discussion_Apr_08.mp3>. |

* 1. **Pending Publications**

**Journal Articles (Peer Reviewed)**

|  |  |
| --- | --- |
|  | Thorman I, Dibble LE, Loyd BJ, Clendaniel R, Schubert MC. The Minimal Clinically Important Difference for Gait Speed in Unilateral Vestibular Hypofunction after Vestibular Rehabilitation. Journal of Otology (In review)  |
|  | Wagner A, Grove C, Loyd BJ, Dibble LE, Schubert MC. Compensatory Saccades Differ for Those with Vestibular Hypofunction and Multiple Sclerosis Pointing to Unique Roles for Peripheral and Central Vestibular Inputs. J Neurophysiology (In review) |
|  | Morris A, Fino NF, Pelo R, Hill S, Cassidy B, Iriye T, Burke J, Jameson T, **Dibble LE**, Fino PC Reactive balance assessments complement clinical baseline concussion assessments in collegiate athletes. J Athletic Training (In review) |
|  | Morris A, Fino NF, Pelo R, Cushman DM, Monson NE, Jameson T, **Dibble LE**, Fino PC. Reactive Postural Responses Predict Risk for Lower Extremity Musculoskeletal Injury in Collegiate Athletes. American J Sports Medicine (In review) |

1. **PRESENTATIONS, INVITED LECTURES AND SYMPOSIA-FREE COMMUNICATIONS**

**Invited/Visiting Professor Presentations**

**International**

|  |  |
| --- | --- |
|  2020 | Vestibular Injury Effects on the Control of Head Stability during Community Mobility. International Conference on Vestibular Rehabilitation. POSTPONED. |
|  2019 | Augmenting Force Production to Improve Movement in Parkinson Disease. World Parkinson’s Congress, Kyoto, Japan, June 2019 |
|  2019 | Balance and Fall Prevention in Parkinson Disease, Panel Discussion, World Parkinson’s Congress, Kyoto, Japan, June 2019 |
|  2018 | Rehabilitation of Parkinson Disease Across the Continuum of Disability. Danish Physiotherapy Association, February, 2018 |
| 2016 | Vestibular Consequences of Multiple Sclerosis: Gaze and Postural Stability, International Conference on Posture and Gait in MS, Portland, OR September 2016 |
| 2016 | Rehabilitation of Parkinson Disease Across the Continuum of Disability. Danish Physiotherapy Association, Copenhagen, Denmark, June 2016 |
| 2015 | Exercise is as Important as Medication in Treating Parkinson Disease. Focused Symposium, World Confederation of Physical Therapy, Singapore, May, 2015 |
| 2013 | Rehabilitation of Parkinson Disease Across the Continuum of Disability. Danish Physiotherapy Association, Copenhagen, Denmark. September, 2013 |
| 2013 | Vestibular Function in Multiple Sclerosis. Vestibular Physiology Research Laboratory, University of Sydney. June 2013 |
| 2013 | Costs and Consequences / Historical Context of Postural Instability and Falls in Parkinson Disease. International Symposium on Postural Instability and Falls in PD. Sydney, Australia June 2013 |
| 2013 | Measuring Postural Instability and Falls in PD. International Symposium on Postural Instability and Falls in PD. Sydney, Australia June 2013 |
| 2013 | Postural Control in Parkinson Disease—More than just a Motor Problem. Vestibular Physiology Research Laboratory, University of Sydney. May 2013 |
| 2013 | Strength Training for Persons with PD, What is the Evidence? International Congress on Parkinson Disease and Movement Disorders. Sydney, Australia June 2013 |
| 2013 | Vestibular Rehabilitation—A spin around the basics. Australian Physiotherapy Association. April 2013. |
| 2013 | Muscle Force and Hypokinesia in Parkinson Disease. Neurologic Rehabilitation Research Group, University of Sydney. February 2013. |
| 2011 | Rehabilitation and Parkinson Disease.  World Congress of Physical Therapy, Amsterdam, Netherlands, June 2011 |

**National**

|  |  |
| --- | --- |
| 2020 | Improving Gaze and Postural Stability in Multiple Sclerosis. Denver, CO February, 2020 |
| 2018 | Vestibular Rehabilitation: A Competency-Based Course. Salt Lake City, May 2018 |
| 2017 | A Comprehensive Approach to Evidence-Based Rehabilitation of Patients withParkinson Disease across the Continuum of Disability. Honolulu, HI, November, 2017 |
| 2017 | A Comprehensive Approach to Evidence-Based Rehabilitation of Patients withParkinson Disease across the Continuum of Disability. Omaha, NE, September, 2017 |
| 2017 | Motor learning applications to Sports Rehabilitation. San Antonio, TX, February, 2017 |
| 2016 | Delaying disability:  Evidence based rehabilitation of Parkinsonism. Elon University, Elon, NC, December 2016 |
| 2016 | Balance and Falls in Parkinson Disease: Examination and Treatment, American College of Rehabilitation Medicine, Chicago, IL, November 2016 |
| 2016 | A Comprehensive Approach to Evidence-Based Rehabilitation of Patients withParkinson Disease across the Continuum of Disability. Redwood City, CA, September, 2016 |
| 2016 | A Comprehensive Approach to Evidence-Based Rehabilitation of Patients withParkinson Disease across the Continuum of Disability. Anaheim, CA, September, 2016 |
| 2015 | St Joseph’s/Chandler Institute for Neurosciences Movement Disorders Forum, Savannah, Georgia, February 2015 |
| 2014 | The Power of Movement. Victory Summit, Davis Phinney Foundation Patient Education Seminar, Greenville, South Carolina. November 2014 |
| 2014 | Resistance Training to Treat Gait and Balance Problems in Parkinson Disease, University of Alabama at Birmingham, November 2014 |
| 2014 | Resistance Training to Combat Disability in Parkinson Disease. Northwestern University, Department of Physical Therapy, November 2014 |
| 2014 | The Etiology and Treatment of Postural Instability and Falls in Parkinson Disease. Northern New England Geriatric Education Center, Dartmouth Centers for Health and Aging, June 2014 |
| 2014 | Fighting the Law of Gravity: The Etiology and Treatment of Postural Instability and Falls in Neurodegenerative Disease. Mayo Clinic Neurorehabilitation Summit. May 2014 |
| 2012 | Exercise in the management of Parkinson Disease. Davis Phinney Foundation Victory Summit. September, 2012 |
| 2012 | A Comprehensive Approach to Evidence-Based Rehabilitation of Patients withParkinson Disease across the Continuum of Disability. APTA Combined Section Meeting, Chicago, IL. February 2012 |
| 2011 | Parkinsonism: Evidence Based Management Across the Continuum of Disability. APTA Combined Section Meeting, New Orleans, LA. February 2011 |
| 2010 | Victory Summit: The influence of exercise on persons with PD, Charlotte, NC June 2010 |
| 2010 | Action Potential: Reaching Your Potential in the Neurology Section. APTA Combined Section Meeting, Las Vegas, NV. February 2009 |
| 2009  | Innovations in High Intensity Treatment of Persons with Parkinson Disease. APTA Combined Section Meeting, Las Vegas, NV. February 2009 |
| 2009 | Paying Attention, Making Choices: The Role of Cognition in Falls Prevention! APTA Combined Section Meeting, Las Vegas, NV. February 2009 |
| 2007 | Rethinking the way we do business: Community based risk reduction programs. In Neurology Section Program: Health of Persons with Disabilities: The impact and consequences of secondary conditions. APTA Combined Section Meeting, Boston, MA. February 2007 |
| 2003-2009 | Parkinsonism: Management Across the Continuum of the Disease. Dogwood Institute Continuing Education Course. Taught 2 times per year from 2003-2009 |
| 2005 | Fighting the Law of Gravity. What can we do to minimize the risk of falls in persons with Parkinsonism. APTA Combined Section Meeting, New Orleans, LA. February 2005.  |
| 2003 | Current Concepts in the Management of Neuromuscular Diseases: Parkinson's disease. Utah APTA Conference, Salt Lake City, UT.  |
| 2003 | Parkinsonism: Is falling Inevitable? Veterans Adminstration GRECC conference, Salt Lake City, UT.  |
| 2003 | Quantitative Clinical Gait Analysis in Persons with Burn Injuries, American Burn Association Meeting, Miami FL.  |
| 2000 | TKA Rehabilitation in a Person with Pre-Existing Anoxic Brain Injury: Application of a Systems Model of Motor Control. Southern Utah APTA Spring Conference, St George UT.  |

**Regional**

|  |  |
| --- | --- |
| 2014 | Physical Medicine and Rehabilitation Update, Park City, UT |
| 2011 | Movement Disorders as a Cause of Falls. 9th Annual Rocky Mountain Geriatrics Conference, Snowbird, UT |
| 2010 | Making Sense of Gravity and the Ground; Sensori-motor contributions to imbalance in the elderly. 8th Annual Rocky Mountain Geriatrics Conference, Park City, UT |
| 2009 | Exploiting Exercise and Motor Control Physiology to Optimize Outcomes, Utah APTA, Layton, UT |
| 2007 | Parkinsonism and Exercise:  Can we slow disease progression?  Utah State APDA symposium.  |
| 2007 | Community based risk reduction programs for persons with Neurologic Disabilities.  University of New Mexico.  |

**Local**

|  |  |
| --- | --- |
| 2017 | Diagnosis and Treatment of Peripheral Vestibular Disorders, Geriatrics Grand Rounds |
| 2017 | Differential Diagnosis and Treatment of Vestibular Hypofunction, Department of Neurology Grand Rounds |
| 2007 | Clinical Treatment of Balance Disorders.  Physical Therapist Assistant Study Group. |
| 2003 | Parkinsonism and Balance, Resident Education, Division of Physical Medicine and Rehabilitation, University of Utah, Salt Lake City, UT.  |
| 2003 | Prescribing Physical Therapy in Primary Care. Family Practice Refresher, Department of Family Practice, University of Utah, Salt Lake City, UT.  |
| 2002 | Physical Therapy in the Treatment of Parkinsonism. Neurology Clinical Specialist Exam Study Group, Intermountain Health Care.  |
| 2002 | Identifying and Treating Older Adults at Risk for Falls. University of Utah Health System, Internal Medicine Provider Meeting.  |
| 2001 | Sensory Cueing Effects on Gait and Mobility. Rocky Mountain University of Health Professions.  |
| 1998 | Motor Learning in the Rehabiliation of the Person with Neurologic Impairments. Preconference workshop, University of Utah Rehabilitation Center.  |
| 1996 | Functional Assessment Tools in Neurologic Rehabilitation. Geriatric Rehabilitation Clinical Practice Seminar. Salt Lake City, UT.  |

1. **GRANT WRITING AND RELATED ACTIVITIES**

**Submitted or Active Grants**

|  |  |
| --- | --- |
| 2022-2023 | Identifying Early Signs of Motor Impairment in Infants with Spinal Muscular Atrophy. APTA Academy of Pediatric Physical Therapy Research Grant. Total Direct Costs: $9500Role: Mentor (McIntyre, PI) |
| 2022-2027 | Genetics and Aerobic Exercise to Slow (GEARS) Parkinsons disease. NIH, NINDS. (Submitted and under review)Role: Site PI (Alberts, PI) |
| 2022-2026 | Wearable Technology to Characterize Recovery and Interactions Between Mobility, Autonomic Function, and Neuroimaging Markers After Mild Traumatic Brain Injury.US Department of Defense (Submitted and under review)Role: Co-I (King, PI) |
| 2019-2022 | Distinguishing Community-Based Performance from Laboratory and Clinical Assessments of Gaze and Postural Stability in Unilateral Vestibular Hypofunction (Funded)Funding Agency: Foundation for Physical Therapy. Total Direct Costs: 100,000Role: Mentor (Loyd, PI)  |
| 2019-2022 | Reactive Postural Responses Following Concussion: Characterization of Longitudinal Recovery and Prediction of Lower Extremity Injury. (Funded)Funding Agency: PAC-12. Total Direct Costs: 500,000Role: Co-PI (Fino, Co-PI) |
| 2019-2024 | Study in Parkinson Disease of Exercise Phase 3 Clinical Trial: SPARX3. (Funded)Funding Agency: NIH, NINDS. Total Direct Costs: 250,000Role: Site PI (Corcos, PI) |
| 2019-2024 | CYClical Lower Extremity exercise for Parkinson’s trial (CYCLE). (Funded)Funding Agency: NIH, NINDS. Total Direct Costs: 2,000,000Role: Site PI (Alberts, PI) |
| 2019-2022 | Validity of Inertial Measurement Units in Discriminating Alterations in Postural Control Following Vestibular Insult (Funded)Funding Agency: US Army Advanced Medical Technology Initiative. Total Direct Costs: 245,000Role: Co-PI (Lester, Hoppes PIs, Fino, Co-PI) |
| 2018-2022 | Objective Dual-task turning measures for return to duty assessment. (Funded)Funding Agency: US Department of Defense. Total Direct Costs: $2,000,000Role: Co-PI (King PI) |
| 2002-2022 | Physical Therapy Exercise Program For Persons With PD (Funded)Direct Costs: $295,000   Total Costs: $295,000American Parkinson Disease Association / Mountain West Parkinson Initiative Role: Principal Investigator |

**Past Grants**

|  |  |
| --- | --- |
| 2003-2006 | Utah Leadership Education in Neurodevelopmental Disabilities (ULEND)Cooperative grant between University of Utah and Utah State UniversityPrincipal Investigator(s): Judith Holt, Lisa Samson-FangDirect Costs: $1,248,204   Total Costs: $1,248,204HRSA Maternal & Child Health Bureau (MCHB)Role: Discipline Coordinator |
| 2004-2005 | Eccentric Exercise Effects On Sarcopenia, Function, And Quality Of Life In Persons With Parkinson's Disease. Direct Costs: $40,000   Total Costs: $40,000Foundation for Physical TherapyRole: Principal Investigator |
| 2004-2006 | The Effects Of Chronic Eccentric Training On Sarcopenia & Function In Persons With Parkinson's Disease. Funding Incentive Seed Grant.Direct Costs: $27,000   Total Costs: $27,000University of Utah Vice President for ResearchRole: Principal Investigator |
| 2005-2006 | The Development and Testing of an In-Shoe Mobile Gait Assessment Device: An Interdisciplinary and Interdepartmental CollaborationDirect Costs: $7,500   Total Costs: $7,500University of Utah College of HealthRole: Co-PI (PI: Bamberg) |
| 2005-2006 | The effects of a strength-training program in persons with PD as measured by an in-shoe kinematic and kinetic analysis system.Direct Costs: $50,000   Total Costs: $50,000American Parkinson's Disease Association Role: Co-Investigator (PI: Bamberg) |
| 2005-2007 | The Efficacy of a Secondary Prevention Exercise Program on Risk Factors for Stoke and Falling in Stroke SurvivorsDirect Costs: $15,000   Total Costs: $15,000Primary Care Research Center, University of Utah Health Sciences CenterRole: Principal Investigator |
| 2011-2012 | Parkinson Disease Foundation Summer Research FellowshipFellow: David Galaso Mentor: Lee Dibble. Total cost: $3000Ambulatory Monitoring of Parkinson Disease InstabilityRole: Principal Investigator |
| 2006-2011 | Utah Regional Leadership and Education in Neurodevelopmental Treatment (URLEND)Cooperative training grant between Utah State University and the University of UtahDirect Costs: $3,395,951   Total Costs: $3,395,951HRSA Maternal & Child Health Bureau (MCHB)Role: Discipline Coordinator (PI: Holt) |
| 2007-2011 | Resistance training and medication effects on hypokinesia in persons with Parkinson disease.Direct Costs: $150,697   Total Costs: $225,292National Institutes of HealthRole: Principal Investigator |
| 2010-2011 | Tandem Instrumented Treadmill for Assessment of In-vivo Joint Biomechanics 1S10RR026565-01Direct Costs: $224,824NIH National Center for Research Resources (NCRR) Role: Co-Investigator (PI: Anderson) |
| 2008-2013 | The moderating effects of muscle conditioning on falls and mobility in frail elderly – R01 AG031255-01A1Direct Costs: $1,736,352   Total Costs: $2,592,846National Institutes of HealthRole: Co-Principal Investigator (PI: LaStayo) |
| 2009-2012 | Unveiling the Natural History of Mobility and Quality of Life Decline in Parkinson Disease.Direct Costs: $280,000 Total Costs: $280,000 (for all sites: Utah direct costs: $100,000)Davis Phinney Foundation & Parkinson Disease FoundationRole: Overall Principal Investigator |
| 2011-2012 | Sensory Integration and Motor Planning Exercise in Parkinson Disease University of Utah Center on Aging Pilot Grant. Total cost: $20,000Role: Principal Investigator |
| 2012-2013 | AdAdaptation to Sensory Illusions in PD Funding Agency: Univ of Utah Seed Grant Program. Total Direct Costs: $30,000Role: Co-Investigator (PI: Foreman) |
| 2013 | Fighting the Law of Gravity: International Symposium on Postural Instability and Falls in PD Funding Agency: Parkinson Disease Foundation. Total Direct Costs: $16,000Role: Principal Investigator |
| 2012-2014 | Vestibulo-spinal and Vestibular-ocular Performance and Adaptability in Persons with MS at Risk for Falls. Funding Agency: National Multiple Sclerosis Society. Total Direct Costs: $43,000Role: Principal Investigator |
| 2014-2015 | A pilot investigation of an interactive videogame for improving upper limb function in people withParkinson’s disease.Funding agency: University of Sydney, Sydney, Australia. Total Direct Costs: $30,000 AUDRole: Co-investigator (PI: Allen) |
| 2014-2015 | Utility of Portable Video Technologies to Discriminate Alterations in Postural ControlFunding Agency: US Army Advanced Medical Technology Initiative. Total Direct Costs: $129,000 Role: Co-PI (Lester PI) |
| 2015-2017 | Responsiveness to functional task- specific motor training in older adults with and without Mild Cognitive ImpairmentFunding Agency: NIH (NIA)—K01 Career Development Award Total Direct Costs: $ 500,000Role: Primary Mentor (Schaefer, PI) |
| 2015-2017 | The Impact of Dopamine and Practice on Postural Motor Learning inParkinson's disease.Funding Agency: American Parkinson Disease Association Total Direct Costs: $35,000Role: Post-doctoral Mentor (Paul PI) |
| 2015-2017 | Exogenous Dopamine Effects on Motor Learning in Parkinson Disease. Funding Agency: University of Utah Office of Research Total Direct Costs: $30,000Role: Principal Investigator |
| 2015-2017 | Feasibility of Accelerometry to Discriminate Alterations in Postural Control Following Vestibular Insult.Funding Agency: US Army Advanced Medical Technology Initiative. Total Direct Costs: $226,000 Role: Co-PI (Lester PI) |
| 2016-2017 | Compensatory Step Training in Persons with Multiple Sclerosis: Characterizing Postural Motor Learning.Funding Agency: National Multiple Sclerosis Society Total Direct Costs: $45,000Role: Co-I (Foreman PI) |
| 2012-2018 | HCC: Medium: Collaborative Research: Haptic display of Terrain Characteristics and Its application in Virtual and Physical Worlds.Funding Agency: National Science Foundation. Total Direct Costs: $1,116,554 Role: Senior Investigator (Minor/Foreman/Hollerback/Merryweather PIs) |
| 2016-2019 |  Community based measurement of instability and exposure in persons with postural instability. Funding Agency: US Army Advanced Medical Technology Initiative. Total Direct Costs: $225,000Role: Co-PI (Lester PI) |
| 2018-2019 |  Documenting alterations in head trunk coordination following vestibulopathy or brain injury:  Development and Testing of New Algorithms.Funding Agency: US Army Advanced Medical Technology Initiative. Total Direct Costs: $37,000 Role: Co-PI (Lester PI, Fino, Co-PI) |
| 2018-2019 |  Neural activity of balance recovery following concussion. Funding Agency: University of Utah Funding Incentive Seed Grant. Total Direct Costs: 30,000 Role: Co-I (Fino, Lohse, PIs) |
| 2018-2021 | Reactive balance responses following concussion: Post-Injury Presentation and Longitudinal Progression. (Funded)Funding Agency: University of Utah Sports Medicine Institute. Total Direct Costs: 75,000Role: PI (Fino, Cushman, Co-PIs) |
| 2017-2021 | Gaze and postural stability in persons with MS at risk for falls: Characterizing deficits and response to treatment. (Funded)Funding Agency: National Multiple Sclerosis Society. Total Direct Costs: $450,000Role: Principal Investigator (Funded) |
| 2019-2021 |  Protective Step Training in people with PD and Postural Disturbance (Funded) Funding Agency: Michael J Fox Foundation. Total Direct Costs: 350,000 Role: Co-PI (Peterson, PI) |
| 2020-2021 | The Effects of Concussion on Reactive Balance Responses during Simple and Complex Gait Tasks (Funded)Funding Agency: NIH, Interdisciplinary Rehabilitation Engineering Research Career Development Program (IREK12). Total Direct Costs: 100,000Role: Mentor (Fino, PI) |
|  |  |

**Unfunded Grants**

|  |  |
| --- | --- |
| 2005  | Augmentation Of Muscle Force In Persons with PD.Funding Agency: National Parkinson Foundation IncRole: Principal Investigator |
| 2005  | Eccentric Exercise Effects On Sarcopenia & Function In PD.Funding Agency: Parkinsons Disease FoundationRole: Principal Investigator |
| 2005  | Augmentation of Muscle Force in Parkinsons Disease: The role of Hypertrophy and Neurologic RecruitmentFunding Agency: American Physical Therapy AssociationRole: Principal Investigator |
| 2006  | Eccentric exercise effects on postural control and sarcopenia in persons with moderate PDTotal Direct Costs: 245,000    Funding Agency: Michael J. Fox Foundation for Parkinson's ResearchRole: Principal Investigator |
| 2008  | Dopamine Replacement Effects on fMRI measured muscle activation in persons with PDTotal Direct Costs: 25,000    Funding Agency: National Skeletal Muscle Research Center (NSMRC)Role: Co-Principal Investigator (Foreman, PI) |
| 2008  | Development and Testing of an ambulatory fall occurrence monitor in persons with PD. Total Direct Costs: 300,000    Funding Agency: NIH National Institute of Neurological Disorders and Stroke (NINDS)Role: Co-Investigator (Bamberg, PI) |
| 2009  | Administrative Supplement: Gait and Step Training to Reduce Falls in Parkinson Disease R01HD051844-04 Total Direct Costs: 175,649 Funding Agency: NIH National Institute of Child Health and Human Development (NICHD)Role: Co-Principal Investigator (Protas, PI) |
| 2010 | Dopamine Replacement Effects on fMRI Measured Muscle Activation in Persons with Parkinson DiseaseTotal Direct Costs: 20,000Funding Agency: University of Utah Vice President for Research Role: Co-Investigator (Foreman, PI) |
| 2010 | Breast Reduction Outcome Study  Total Direct Costs: 42,930     Funding Agency: Plastic Surgery Educational Foundation (PSEF) Role: Co- Investigator (Rockwell, PI) |
| 2010 | RiskWatch: An Ambulatory Fall Occurrence Monitor. Direct Costs: 250,000Funding Agency: NIH National Institute of Child Health and Human Development (NICHD) Role: Utah Site PI (Ostendorff, PI) |
| 2010  | Eccentrically-biased Exercise to Enhance Activity and Participation in Older Adults with Multiple Chronic Conditions: Translating Success from the Lab to the ClinicTotal Direct Costs: 250,000Funding Agency: Foundation for Physical Therapy Role: Co-Investigator (PI: Marcus) |
| 2011 | Sensory Re-weighting in Persons with Parkinson Disease. Total Direct Costs: 15,000Funding Agency: University of Utah College of Health Research GrantRole: Principal Investigator |
| 2012 | Sensory Reweighting in Persons with Parkinson Disease. Total Direct Costs: 60,000Funding Agency: Parkinson UK Role: Principal Investigator |
| 2013 | epStep Power Trial: Improving Muscle Power and Reducing Fall Risk in PDF.Total Direct Costs: $1,500,000 AUD Funding Agency: NHMRC. Role: Co-Principal Investigator (Canning PI) |
| 2013 | Sensory Integration and Motor Planning Exercise in Parkinson Disease Total Direct Costs: 100,000 Funding Agency: NIH, NIH National Institute of Child Health and Human Development (NICHD) Role: Co-Principal Investigator (Foreman, PI) |
| 2013 | Active Arms: Improving Arm Function in PD Total Direct Costs: 60,000Funding Agency: Parkinson’s UK. Role: Co-Principal Investigator (Allen PI) |
| 2013 | The Effects of Dopamine and Practice on Postural Motor Adaptation and Learning in PD. Totals Direct Costs: 249,000 Funding Agency: NIH, NIH National Institute of Child Health and Human Development (NICHD)Role: Principal Investigator |
| 2014 | Dopamine and Practice Effects on Postural Motor Learning in PD. Totals Direct Costs: 249,000Funding Agency: NIH, NIH National Institute of Child Health and Human Development (NICHD)Role: Principal Investigator |
| 2014 | The Effects of Dopamine and Practice on Postural Motor Learning in PD. Total Direct Costs: 50,000 USDFunding Agency: NIH, NIH National Institute of Child Health and Human Development (NICHD) Role: Principal Investigator |
| 2014 | The Effects of Fatigue and Practice on Postural Motor Learning in MS. Total Direct Costs: 450,000Funding Agency: National Multiple Sclerosis Society. Role: Principal Investigator |
| 2014 | The Effects of Task Saliency on Motor Learning In PD.Total Direct Costs: 30,000Funding Agency: University of Utah Office of Research. Role: Principal Investigator |
| 2014 | The Effects of Dopamine and Practice on Postural Motor Learning in PD. Total Direct Costs: 50,000Funding Agency: Parkinsons UK Role: Principal Investigator |
| 2016 | Exercise Self-management and CAre Partner Engagement (ESCAPE) in Parkinson Disease. Total Direct Costs: 2,000,000Funding Agency: NIH Role: Co-PI (Ellis PI) |
| 2020 | Cardiovascular Autonomic Function in Parkinson Disease: A Critical Step in PersonalizingExercise Interventions.Total Direct Costs: 50,000Funding Agency: Davis Phinney FoundationRole: Principal Investigator |
| 2022 | Wearable technology to characterize and treat mTBI subtypes: biofeedback-based precision rehabilitation. US Department of Defense (Submitted and under review)Role: Co-I (King, PI) |

1. **TEACHING, ADVISING AND OTHER ASSIGNMENTS**
	1. **Instructional Summary**

**Credit Courses over past 10 years:**

|  |  |
| --- | --- |
|  |  |
| 2022 | PHTH 7220: Advanced Techniques, Vestibular Rehabilitation Component, Instructor, 96 SCH, 48 students, University of Utah, Department of Physical Therapy |
| 2022 | OC TH 5090 (Section1): Neuroanatomy Lecture, Primary Instructor, 150 SCH, 30 students, University of Utah, Division of Occupational Therapy. |
| 2022 | PH TH 7050 (Section1): Neuroanatomy Lecture, Primary Instructor, 250SCH, 50 students, University of Utah, Department of Physical Therapy |
| 2022 | OC TH 5090(Sections 2,3,4): Neuroanatomy Lab, Primary Instructor, 0 SCH, 30students, University of Utah, Occupational Therapy. |
| 2022 | PH TH 7050 (Sections 2, 3, 4): Neuroanatomy Lab, Primary Instructor, 0 SCH, 50 students, University of Utah, Department of Physical Therapy |
| 2021 | PHTH 7200: Motor Control, Instructor, 192 SCH, 48 students, University of Utah, Department of Physical Therapy |
| 2021 | OC TH 5090 (Section1): Neuroanatomy Lecture, Primary Instructor, 150 SCH, 30 students, University of Utah, Division of Occupational Therapy. |
| 2021 | PH TH 7050 (Section1): Neuroanatomy Lecture, Primary Instructor, 250SCH, 50 students, University of Utah, Department of Physical Therapy |
| 2021 | OC TH 5090(Sections 2,3,4): Neuroanatomy Lab, Primary Instructor, 0 SCH, 30students, University of Utah, Occupational Therapy. |
| 2021 | PH TH 7050 (Sections 2, 3, 4): Neuroanatomy Lab, Primary Instructor, 0 SCH, 50 students, University of Utah, Department of Physical Therapy |
| 2020 | PHTH 7200: Motor Control, Primary Instructor, 192 SCH, 48 students, University of Utah, Department of Physical Therapy |
| 2020 | PHTH 7220: Advanced Techniques, Vestibular Rehabilitation Component, Primary Instructor, 96 SCH, 48 students, University of Utah, Department of Physical Therapy |
| 2020 | OC TH 5090 (Section1): Neuroanatomy Lecture, Primary Instructor, 150 SCH, 30 students, University of Utah, Division of Occupational Therapy. |
| 2020 | PH TH 7050 (Section1): Neuroanatomy Lecture, Primary Instructor, 250SCH, 50 students, University of Utah, Department of Physical Therapy |
| 2020 | OC TH 5090(Sections 2,3,4): Neuroanatomy Lab, Primary Instructor, 0 SCH, 30students, University of Utah, Occupational Therapy. |
| 2020 | PH TH 7050 (Sections 2, 3, 4): Neuroanatomy Lab, Primary Instructor, 0 SCH, 50 students, University of Utah, Department of Physical Therapy |
| 2020 | REHAB SCI 7920: PhD Independent Study, Primary Instructor, 2 students. University of Utah. |
| 2019 | PHTH 7200: Motor Control, Primary Instructor, 192 SCH, 48 students, University of Utah, Department of Physical Therapy |
| 2019 | PHTH 7220: Advanced Techniques, Vestibular Rehabilitation Component, Primary Instructor, 96 SCH, 48 students, University of Utah, Department of Physical Therapy |
| 2019 | OC TH 5090 (Section1): Neuroanatomy Lecture, Primary Instructor, 150 SCH, 30 students, University of Utah, Division of Occupational Therapy. |
| 2019 | PH TH 7050 (Section1): Neuroanatomy Lecture, Primary Instructor, 250SCH, 50 students, University of Utah, Department of Physical Therapy |
| 2019 | OC TH 5090(Sections 2,3,4): Neuroanatomy Lab, Primary Instructor, 0 SCH, 30students, University of Utah, Occupational Therapy. |
| 2019 | PH TH 7050 (Sections 2, 3, 4): Neuroanatomy Lab, Primary Instructor, 0 SCH, 50 students, University of Utah, Department of Physical Therapy |
| 2019 | REHAB SCI 7920: PhD Independent Study, Primary Instructor, 4 students. University of Utah. |
| 2018 | PH TH 7050 (Section1): Neuroanatomy Lecture, Primary Instructor, 250SCH, 50 students, University of Utah, Department of Physical Therapy |
| 2018 | OC TH 5090(Sections 2,3,4): Neuroanatomy Lab, Primary Instructor, 0 SCH, 30students, University of Utah, Occupational Therapy. |
| 2018 | PH TH 7050 (Sections 2, 3, 4): Neuroanatomy Lab, Primary Instructor, 0 SCH, 50 students, University of Utah, Department of Physical Therapy |
| 2018 | ESS 3403: Advanced Practice in Athletic Training, Co-Instructor, 44 SCH 22 students |
| 2017 | ESS 3402: Therapeutic Interventions I, 44 SCH, 22 students |
| 2017 | PHTH 7200: Motor Control, Primary Instructor, 192 SCH, 48 students, University of Utah, Department of Physical Therapy |
| 2017 | PHTH 7220: Advanced Techniques, Vestibular Rehabilitation Component, Primary Instructor, 96 SCH, 48 students, University of Utah, Department of Physical Therapy |
| 2017 | OC TH 5090 (Section1): Neuroanatomy Lecture, Primary Instructor, 150 SCH, 30 students, University of Utah, Division of Occupational Therapy. |
| 2017 | PH TH 7050 (Section1): Neuroanatomy Lecture, Primary Instructor, 250SCH, 50 students, University of Utah, Department of Physical Therapy |
| 2017 | OC TH 5090(Sections 2,3,4): Neuroanatomy Lab, Primary Instructor, 0 SCH, 30students, University of Utah, Occupational Therapy. |
| 2017 | PH TH 7050 (Sections 2, 3, 4): Neuroanatomy Lab, Primary Instructor, 0 SCH, 50 students, University of Utah, Department of Physical Therapy |
| 2017 | ESS 3403: Advanced Practice in Athletic Training, Co-Instructor, 44 SCH 22 students |
| 2016 | ESS 3402: Therapeutic Interventions I, 44 SCH, 22 students |
| 2016 | PHTH 7200: Motor Control, Primary Instructor, 192 SCH, 48 students, University of Utah, Department of Physical Therapy |
| 2016 | PHTH 7220: Advanced Techniques, Vestibular Rehabilitation Component, Primary Instructor, 96 SCH, 48 students, University of Utah, Department of Physical Therapy |
| 2016 | OC TH 5090 (Section1): Neuroanatomy Lecture, Primary Instructor, 150 SCH, 30 students, University of Utah, Division of Occupational Therapy. |
| 2016 | PH TH 7050 (Section1): Neuroanatomy Lecture, Primary Instructor, 250SCH, 50 students, University of Utah, Department of Physical Therapy |
| 2016 | OC TH 5090(Sections 2,3,4): Neuroanatomy Lab, Primary Instructor, 0 SCH, 30students, University of Utah, Occupational Therapy. |
| 2016 | PH TH 7050 (Sections 2, 3, 4): Neuroanatomy Lab, Primary Instructor, 0 SCH, 50 students, University of Utah, Department of Physical Therapy |
| 2016 | ESS 3403: Advanced Practice in Athletic Training, Co-Instructor, 44 SCH 22 students |
| 2015 | ESS 3402: Therapeutic Interventions I, 44 SCH, 22 students |
| 2015  | ESS 3404: Clinical Decision Making in Athletic Training, 36 SCH, 18 students |
| 2015 | ESS 3406: Independent Study in Athletic Training, 2 SCH, 2 students |
| 2015 | PHTH 7200: Motor Control, Primary Instructor, 192 SCH, 48 students, University of Utah, Department of Physical Therapy |
| 2015 | PHTH 7220: Advanced Techniques, Vestibular Rehabilitation Component, Primary Instructor, 96 SCH, 48 students, University of Utah, Department of Physical Therapy |
| 2015 | OC TH 5090 (Section1): Neuroanatomy Lecture, Primary Instructor, 150 SCH, 30 students, University of Utah, Division of Occupational Therapy. |
| 2015 | OC TH 5090(Sections 2,3,4): Neuroanatomy Lab, Primary Instructor, 0 SCH, 30students, University of Utah, Occupational Therapy. |
| 2015 | PH TH 7050 (Section1): Neuroanatomy Lecture, Primary Instructor, 250SCH, 50 students, University of Utah, Department of Physical Therapy |
| 2015 | PH TH 7050 (Sections 2, 3, 4): Neuroanatomy Lab, Primary Instructor, 0 SCH, 50 students, University of Utah, Department of Physical Therapy |
| 2014 | PH TH 7200: Motor Control, Primary Instructor, 192 SCH, 48 students, University of Utah, Department of Physical Therapy |
| 2014 | OC TH 5090 (Section 1): Neuroanatomy Lecture, Primary Instructor, 150 SCH, 30 students, University of Utah, Division of Occupational Therapy. |
| 2014 | PH TH 7050 (Section 1): Neuroanatomy Lecture, Primary Instructor, 260 SCH, 52 students, University of Utah, Department of Physical Therapy. |
| 2014 | OC TH 5090 (Sections 2,3,4): Neuroanatomy Lab, Primary Instructor,0 SCH, 30 students, University of Utah, Division of Occupational Therapy. |
| 2014 | REHAB SCI 7920: PhD Independent Study, Primary Instructor, 2 students. University of Utah. |
| 2013 | PH TH 7200: Motor Control, Primary Instructor, 192 SCH, 48 students, University of Utah, Physical Therapy |
| 2012 | PH TH 7200: Motor Control, Primary Instructor, 166 SCH, 44 students, University of Utah, Physical Therapy |
| 2012 | PH TH 7320: Rehabilitation Technology, Primary Instructor, 40 SCH, 40 students, University of Utah, Physical Therapy |
| 2012 | OC TH 5090 (Section 1): Neuroanatomy Lecture, Primary Instructor, 150 SCH, 30 students, University of Utah, Division of Occupational Therapy. |
| 2012 | PH TH 7050 (Section 1): Neuroanatomy Lecture, Primary Instructor, 260 SCH, 52 students, University of Utah, Department of Physical Therapy. |
| 2012 | OC TH 5090 (Sections 2,3,4): Neuroanatomy Lab, Primary Instructor,0 SCH, 30 students, University of Utah, Division of Occupational Therapy. |
| 2012 | REHAB SCI 7920: PhD Independent Study, Primary Instructor, 2 students. University of Utah. |

Additional courses taught prior to 2012 include the following:

 Neuroanatomy (PT, OT, PhD)

 Therapeutic Exercise in Athletic Training (ESS)

 Introduction to Research (PT)

 Neurologic Rehabilitation (PT)

 Orthopedic Manual Therapy Laboratory (PT)

* 1. **Non Credit Courses: Workshops and Guest Lectures:**

|  |  |
| --- | --- |
| 2015 | Management of Benign Paroxysmal Positional Vertigo, University of Utah Orthopedic Center Inservice |
| 2009 | Community Based Risk Reduction Programs, University of Utah Orthopedic Center Inservice |
| 2008 | Improving Muscle Force Production:  Therapeutic Exercise for Athletic Trainers.  Athletic Training Education Program, Department of Exercise and Sports Science. |
| 2007-present | Functional Neuroanatomy lectures in PhTh 7300 |
| 2007 | Community Based Risk Reduction Programs, University of Utah Rehabilitation Center Inservice |
| 2006 | Plasticity:  The Neural Response to Rehabilitative Treatment. University of Utah Rehabilitation Center Inservice |
| 2006 | Clinical Examination of Balance Disorders.  University of Utah Orthopedic Center Physical Therapy Inservice |
| 2005 - 2015  | Examination and Treatment of Gait Deficits in Hemiplegia.  Occupational Therapy Program |
| 2003 | Benign Positional Vertigo, Resident Education, Division of Physical Medicine and Rehabilitation |
| 2003 | Parkinsonism and Balance, Resident Education, Division of Physical Medicine and Rehabilitation |
| 2003 - 2012 | Prescribing Physical Therapy in Primary Care.  Physician Assistant Education Program, Department of Family Practice |

* 1. **Curriculum Development:**

|  |  |
| --- | --- |
| 2015 | Developed new content for ATSM 3402: Acute Care and Emergency Management for Athletic Trainers. |
| 2012-present | Developed new content for Ph Th 7200: Motor Control. Modifications to improve course are on-going. |
| 2012 | Developed new content for Ph Th 7320: Rehabilitation Technology |
| 2010-present | Developed new course for Rehabilitation Sciences PhD program. Seminars in Motor Control. |
| 2006-2009 | Curriculum development for PhD degree program in Rehabilitation Sciences |
| 2006-present | Developed new course for entry level DPT curriculum: PhTh 7220 Advanced Techniques (the Vestibular Rehabilitation Component).  Modifications to improve course are on-going. |
| 2006-2012 | Developed new course for post professional DPT curriculum: PhTh 7210, Contemporary Techniques (Vestibular Rehabilitation Component).  Modifications to improve course are on-going. |
| 2005-present | Developed new curriculum for PhTh 7050 / Oc Th 5090: Neuroanatomy.  Modifications to improve course are on-going. |
| 2002-2005 | Participated in curriculum development for MPT to DPT degree transition |
| 2002-2005 | Participated in curriculum development for post professional DPT degree |
| 2001-2007 | Developed new curriculum for ESS 4600: Therapeutic Exercise for Athletic Trainers |
| 1996 -1997 | Participated in curriculum restructuring for quarter to semester transition |
| 1994-1996 | Participated in development of new curriculum structure for BS to MPT degree transition |

* 1. **Faculty and Trainee Mentoring**

**Faculty Mentoring:**

Jennifer Hale, PhD, PT (Currently Associate Professor, University of Utah)

Peter Fino, PhD (Currently Assistant Professor, University of Utah)

Sydney Schaefer, PhD (Currently Assistant Professor, Arizona State University)

Daniel Peterson, PhD (Currently Assistant Professor, Arizona State University)

Bo Foreman, PhD, PT (Currently Professor, University of Utah)

**Post-doctoral fellowship mentor:**

2019-present Amanda Morris, PhD (co-mentor with Peter Fino, PhD)

2018-2020 Brian Loyd, PhD, PT (Currently Assistant Professor, University of Montana)

2014-2017 Serene Paul, PhD, PT (Currently Senior Lecturer, University of Sydney)

**For Utah Leadership Education in Neurodevelopmental Disability Grant:**

|  |  |
| --- | --- |
| 2007 -2008 | Terry Holden, PT, University of Utah, ULEND Trainee |
| 2006 -2007 | Scott Jerome, MPT, University of Utah, ULEND Trainee. |
| 2005 -2006 | Amy Shukra, MS, PT, University of Utah, ULEND Trainee |
| 2004-2005 | Sonya Reese, PT, University of Utah, ULEND Trainee |
| 2003-2004 | Curtis Phillips, MS, PT, University of Utah, ULEND Trainee |

* 1. **Graduate Student Committees**

**Current and past PhD, DSc, and MS students**

|  |  |
| --- | --- |
| 2020-2021 | Member, Alise Borne, University of Utah, MS Committee, Kinesiology, Department of Health and Kinesiology |
| 2020-2021 | Member, Charles Van Liew, Arizona State University, PhD Committee, College of Health Solutions |
| 2019-2021 | Member, Anupriya Pathania, University of Utah, PhD Committee, Kinesiology, Department of Health and Kinesiology |
| 2019-present | Chair, Cielita Lopez-Lennon, University of Utah, PhD Committee, Rehabilitation Sciences, Department of Physical Therapy and Athletic Training |
| 2019-present | Chair, Angela Weston, University of Utah, PhD Committee, Rehabilitation Sciences, Department of Physical Therapy and Athletic Training |
| 2019-present | Chair, Melissa McIntyre, University of Utah, PhD Committee, Rehabilitation Sciences, Department of Physical Therapy and Athletic Training |
| 2019-present | Chair, Ryan Pelo, University of Utah, PhD Committee, Rehabilitation Sciences, Department of Physical Therapy and Athletic Training |
| 2017-present | Chair, Erin Suttman, University of Utah, PhD Committee, Rehabilitation Sciences, Department of Physical Therapy and Athletic Training |
| 2018-2020 | Member, Rebecca Martin, Nova Southeastern University, PhD Committee, Rehabilitation Sciences, Department of Physical Therapy |
| 2016-2018 | Member, Lindsay Grevikas, University of Utah, PhD Committee, Health Promotion and Education, Department of Health, Kinesiology, and Recreation |
| 2016-2018 | Member, Doug Santillo, University of Utah, PhD Committee, Rehabilitation Sciences, Department of Physical Therapy and Athletic Training |
| 2015-2017 | Member, Kelly Hammond, University of Alabama, Birmingham, PhD committee, Rehabilitation Sciences |
| 2014-2020 | Chair, Genevieve Olivier, University of Utah, PhD Committee, Rehabilitation Sciences, Department of Physical Therapy. |
| 2014-2018 | Member, Stephanie Albin, University of Utah, PhD Committee, Rehabilitation Sciences, Department of Physical Therapy. |
| 2014-2017 | Member, Chris Walter, University of Utah, PhD Committee, Rehabilitation Sciences, Department of Physical Therapy. |
| 2013- 2016 | Member, Mohammed Alqasheesh, University of Utah, PhD Committee, Rehabilitation Sciences, Department of Physical Therapy. |
| 2012-2015 | Member, Hina Garg, University of Utah, PhD Committee, Rehabilitation Sciences, Department of Physical Therapy. |
| 2010-2015  | Chair, Lorinda Smith, University of Utah, MPhil Committee, Rehabilitation Sciences, Department of Physical Therapy |
| 2010-2013 | Member, Nathan Savage, University of Utah, PhD Committee, Rehabilitation Sciences, Department of Physical Therapy |
| 2011-2014 | Chair, Mark Lester, University of Utah, PhD Committee, Rehabilitation Sciences, Department of Physical Therapy. |
| 2009-2014 | Member, Edwin Kaiwinui Chung-Hoon, University of Utah, PhD Committee, Rehabilitation Sciences, Department of Physical Therapy |
| 2008 -2012 | Member, Odessa Addison, University of Utah, PhD Committee, Rehabilitation Sciences, Department of Physical Therapy |
| 2007 -2014 | Chair, Heather Hayes, University of Utah, PhD Committee. Department of Exercise and Sport Science. |
| 2007 -2014 | Chair, Evan Papa, University of Utah, PhD Committee. Rehabilitation Sciences, Department of Physical Therapy. |
| 2006-2007 | Member, Josh Mussleman, University of Utah, MS Committee, Department of Mechanical Engineering |
| 2003 -2004 | Member, Molly Venglar, University of Utah, DSc Committee. Rocky Mountain University of Health Professions |
| 2002 -2003 | Member, Takashi Nagai, University of Utah, MS Committee. Department of Exercise and Sport Science. |

 **Post-professional Clinical Doctoral Students (DPT)**

|  |  |
| --- | --- |
| 2006 | Chair, D. James Ballard, University of Utah, DPT Committee, Department of Physical Therapy |
| 2006 | Chair, Misha Bradford, University of Utah, DPT Committee, Department of Physical Therapy |
| 2006 | Chair, Robert W. Shingleton, University of Utah, DPT Committee, Department of Physical Therapy |
| 2006  | Member, Kim Cohee, University of Utah, DPT Committee, Department of Physical Therapy |
| 2006  | Member, Laura D. Knapp, University of Utah, DPT Committee, Department of Physical Therapy |
| 2006 | Member, Rebecca Day, University of Utah, DPT Committee, Department of Physical Therapy |
| 2006 | Member Bryan Gibson, University of Utah, DPT Committee, Department of Physical Therapy |
| 2006 | Member, Bart Gillespie, University of Utah, DPT Committee, Department of Physical Therapy |
| 2006 | Member, Tonua Hamilton, University of Utah, DPT Committee, Department of Physical Therapy |
| 2006 | Member, Susan Redmond, University of Utah, DPT Committee, Department of Physical Therapy |
| 2007 | Chair, Dayna W. Geiger, University of Utah, DPT Committee, Department of Physical Therapy |
| 2007 | Member, Bevan D. Blake, University of Utah, DPT Committee, Department of Physical Therapy |
| 2007 | Member, Whitney Meier, University of Utah, DPT Committee, Department of Physical Therapy |
| 2008 | Chair, David Carter, University of Utah, DPT Committee, Department of Physical Therapy |
| 2008 | Chair, Amy Shukra, University of Utah, DPT Committee, Department of Physical Therapy |
| 2008 | Member, Misti Timpson, University of Utah, DPT Committee, Department of Physical Therapy |
| 2008 | Member, K.C. Sato Gerpheide, University of Utah, DPT Committee, Department of Physical Therapy |
| 2008 | Member, James Webb, University of Utah, DPT Committee, Department of Physical Therapy |
| 2009 | Chair, Janene M. Holmberg, University of Utah, DPT Committee, Department of Physical Therapy |
| 2009 | Chair, John Michael Orr, University of Utah, DPT Committee, Department of Physical Therapy |
| 2009 | Member, Lloyd L. Mayer, University of Utah, DPT Committee, Department of Physical Therapy |
| 2009 | Member, Adam Eresuma, University of Utah, DPT Committee, Department of Physical Therapy |
| 2009 | Member, Julie M. Lonczak, University of Utah, DPT Committee, Department of Physical Therapy |
| 2010 | Member, Ines Schwemmer, University of Utah, DPT Committee, Department of Physical Therapy |
| 2010 | Member, Janine L. Wood, University of Utah, DPT Committee, Department of Physical Therapy |
| 2010 | Member, Susan Mikell, University of Utah, DPT Committee, Department of Physical Therapy |
| 2010 | Member, Rebecca Ahlberg, University of Utah, DPT Committee, Department of Physical Therapy |
| 2010 | Chair, Kirsten Ahlberg, University of Utah, DPT Committee, Department of Physical Therapy |
| 2010 | Chair, Karen Shaw, University of Utah, DPT Committee, Department of Physical Therapy |
| 2011 | Chair, Mike Jacketta, University of Utah, DPT Committee, Department of Physical Therapy |
| 2011 | Chair, Mark Cronin, University of Utah, DPT Committee, Department of Physical Therapy |

**Entry-level Clinical Doctoral Students (DPT) and Entry-level Clinical Master’s Students (MPT)**

From 2005 until 2014, on average I advised 4-5 students per year on their Doctoral degree capstone project. Names and topics available upon request.

From 1996 until 2004, on average I advised 4-5 students per year on their Master’s degree capstone project. Names and topics available upon request.

1. **EDITORIAL EXPERIENCE**

|  |  |
| --- | --- |
| 2017-2019 | Guest Editor: Special Topic Issue for the Journal of Neurologic Physical TherapyParkinson’s disease, Neurorehabilitation, and Motor Learning |
| 2012-2013 | Guest Editor: Special Topic Issue for the Journal of Neurologic Physical TherapyPrevention and Wellness in Neurologic Physical Therapy |
| 2012-2013 | Guest Editor: Special Topic Issue for the Journal: Parkinson DiseaseRehabilitation in Parkinson Disease |
| 2011-2012 | Guest Editor: Special Topic Issue for the Journal: Parkinson DiseaseRehabilitation in Parkinson Disease |
| 2008 - 2015 | Associate Editor: Journal of Neurologic Physical Therapy |
| 2007 - 2011 | Assistant Editor: Journal of Hand Therapy |

1. **Reviewer Experience**

|  |
| --- |
| Ad hoc Manuscript Reviewer for the following journals:  Journal of Neurophysiology American Journal of Physical Medicine and Rehabilitation |
|  Journal on Neurology, Neurosurgery, and Psychiatry |
|  Journal of Vestibular Research |
|  Neurorehabilitation and Neural Repair |
|  Journal of Rehabilitative Medicine |
|  Physical Therapy Journal |
|  European Journal of Neurology |
|  Journal of Applied Physiology |
|  Acta Neurologica Scandanavia |
|  Archives of Physical Medicine and Rehabilitation |
|  Gait and Posture |
|  Parkinsonism and Related Disorders |
|  Neurology Movement Disorders |
|  Neuroscience |
| Medicine in Sports Science and ExerciseJournal of Neurologic Physical Therapy |

1. **GRANT REVIEW COMMITTEE/STUDY**

|  |  |
| --- | --- |
| 2020 | DoD, Congressionally Mandated Medical Research Program |
| 2019 | NIH / NICHD Early Career R03 Special Emphasis Panel |
| 2018 | NIH / NINDS Special Emphasis Panel ZNS1 SRB-A (15), NeuroNEXT Trial Network |
| 2018 | US / Israel Binational Science Foundation |
| 2016 | Ad Hoc Reviewer, NIH, Sensory and Motor Neuroscience Cognition and Perception Fellowship Study Section, Spring |
| 2014 | Ad hoc reviewer, Veterans Administration, Career Development Award Panel, Summer |
| 2014 | Ad hoc reviewer, FWO, Belgium Government Research Committee |
| 2014 | Ad hoc reviewer, Veterans Administration, Career Development Award Panel, Spring |
| 2013 | NIH, NINDS Speical Emphasis Panel, StrokeNET Trial Network |
| 2011 | Ad hoc reviewer, Catholic University of Leuven, Belgium Grant Competition |
| 2011 | Ad hoc reviewer, National Parkinson Foundation, Clinical & Scientific Advisory Board |
| 2010 | American Association for Advancement of Science- USF Neuroscience Seed Grant Competition |
| 2009 |  Prinses Beatrix Fonds Research Prize Grant Review Committee, Netherlands |
| 2008  | Grant Reviewer, Hong Kong Government Bureau for Health Services |
| 2007  | Grant Reviewer, ZonRW, Netherlands Society for Exercise in Health and Disease |
| 2007-Present | University of Utah Funding Incentive Seed Grant Competition |
| 2007 - 2010 | Chair of Intramural Grant Competition, University of Utah Center for Rehabilitation Research |
| 2005  | Grant Reviewer, United Kingdom Parkinson Disease Society |
| 2005  | Grant Reviewer, National Athletic Trainers Association Research & Education Foundation |

1. **SYMPOSIUM / MEETING CHAIR / COORDINATOR**

|  |  |
| --- | --- |
| 2022 | APTA / Emory Vestibular Competency Course, Salt Lake City, UT |
| 2021 | APTA / Emory Vestibular Competency Course, Salt Lake City, UT |
| 2018 | Concussion Rehabilitation, Salt Lake City, UT  |
| 2018 | APTA / Emory Vestibular Competency Course, Salt Lake City, UT |
| 2017 | Co-Chair, American Parkinson Disease Association Sponsored Blue Ribbon Panel on Exercise Management of Parkinson Disease. Boston, MA |
| 2016 | Post-Concussion Syndrome: An Advanced Vestibular Approach. Salt Lake City, UT |
| 2015 | Parkinson Disease: Evidence based management across the continuum of disability. Regional Course Designer and Coordinator. Neurology Section of the American Physical Therapy Association. |
| 2014 | Vestibular Rehabilitation, Advanced Topics in the Differential Diagnosis and Treatment of Vestibular Disorders. Salt Lake City, UT |
| 2013  | International Symposium on Postural Instability and Falls in Parkinson Disease. Sydney, Australia. |
| 2009  | Parkinson Disease Rehabilitation Provider Training. Davis Phinney Foundation Sponsored Professional Education Program. |

1. **AWARDS**

|  |  |
| --- | --- |
| 2020 | Catherine Worthingham Fellow, American Physical Therapy Association |
| 2020 | Academy of Neurologic Physical Therapy Excellence in Research Award |
| 2016 | Chattanooga Research Award, Outstanding Research Article, Physical Therapy Journal |
| 2015 | Senior Researcher Award, College of Health, University of Utah |
| 2014 | U.S. Army Medical Specialist Corps COL Mary Lipscomb Hamrick Research Abstract Award M Lester M, Cavanaugh JT, Shaffer S, Foreman KB, Marcus RL, **Dibble LE**. Adaptation of postural recovery responses to a vestibular illusion in individuals with Parkinson disease and healthy controls.  |
| 2014 | Chattanooga Research Award, Outstanding Research Article, Physical Therapy Journal |
| 2014 | Invited Commencement Speaker, University of Utah Department of Physical Therapy |
| 2012 | Utah Chapter American Parkinson Disease Association. Impact for Parkinson Disease Award |
| 2010 | Utah Chapter APTA Lifetime Achievement Award |
| 2010 | Distinguished Teaching Award, College of Health  |
| 2010 | Outstanding Journal Article, Journal of Neurologic Physical Therapy  |
| 2008 | New Investigator Research Award, University of Utah College of Health  |
| 2006 | U.S. Army Medical Specialist Corps COL Mary Lipscomb Hamrick Research Abstract AwardGerber JP, Marcus RL, **Dibble, LE**, Greis PE, Burks RT, LaStayo PC. University of Utah, Salt Lake City, UT. The effects of an eccentric intervention on muscle morphology following anterior cruciate ligament reconstruction.  |
| 2005 | Outstanding Entry Level Graduate Student Research Award, Neurology SectionJessop RT, Horowicz C., **Dibble, LE**. Motor Learning in Parkinson's Disease: Refinement of Movement Velocity and Endpoint Excursion in a Limits of Stability Balance Task. American Physical Therapy Association, Combined Sections MeetingNew Orleans, LA  |
| 2005 | Outstanding Journal Article, Journal of Neurologic Physical Therapy |
| 2003 | Outstanding Teaching Award, University of Utah Division of Physical Therapy  |
| 1995 | Invited Commencement Speaker, University of Utah Division of Physical Therapy Graduation  |
| 1994 | Outstanding Clinical Instructor, University of Utah Division of Physical Therapy  |

1. **SERVICE**
	1. **University Community Activities**

**University Level**

|  |  |
| --- | --- |
| 2021 | University of Utah University Promotion and Tenure Advisory Committee |
| 2011-2012 | University of Utah Academic Senate Executive Committee |
| 2010- 2013 | Academic Senator for College of Health |
| 2005 - 2010  | Committee Chair, University of Utah, Intramural Grant Program, Center for Contemporary Rehabilitation Research, Education & Practice College of Health/School of Medicine/Rehabilitation Services |
| 2003 -2008 | Discipline Coordinator, Pediatrics, URLEND-Pediatrics Multicenter Grant, University of Utah, Utah State University |
| 1995 -2004 | Committee Member, Academic Outreach and Continuing Education Programs, Organization, University of Utah, Sports Medicine Physical Therapy |

**College Level**

|  |  |
| --- | --- |
| 2016-2021 | College Advisory Committee (Retention, Promotion, and Tenure Committee) |
| 2015-2018 | Interim Director, Athletic Training Education Program |
| 2014-2015 | Chair, College Realignment Committee |
| 2013-2015 | Chair, College of Health, College Council |
| 2006 - Present  | Co-Director, College of Health, Motion Capture Core Facilities |
| 2007-2008 | Committee Member, College of Health Productivity Committee |
| 2002 | Committee Member, College of Health Retention, Promotion, & Tenure Committee, Auxiliary Faculty and Standards |

**Department Level**

|  |  |
| --- | --- |
| 2021-present | Department Chair, Department of Physical Therapy and Athletic Training |
| 2018-2021 | Associate Chair, Department of Physical Therapy and Athletic Training |
| 2020-2021 | Member, Faculty Search Committee, Department of Physical Therapy and Athletic Training |
| 2019-2020 | Chair, Faculty Search Committee, Department of Physical Therapy and Athletic Training |
| 2017-2018 | Chair, Athletic Training Program Director Search Committee, Department of Physical Therapy and Athletic Training |
| 2017-2018 | Search Committee Member, Department of Health, Kinesiology, and Recreation |
| 2016-2017 | Search Committee, Physical Therapy, Faculty Search Committee |
| 2012-present | Committee member, Departmental RPT Committee |
| 2011-2012 | Committee member, Physical Therapy, Faculty Search Committee |
| 2011- 2012 | Committee member, Occupational Therapy, Faculty Search Committee |
| 2009 - Present  | Committee Member, Physical Therapy, Admissions Committee-PhD program in Rehabilitation Sciences |
| 2008 -2009 | Search Committee, Physical Therapy, Faculty Search Committee |
| 2007 -2008 | Co-Director, Physical Therapy, Accreditation Self-Study Committee |
| 2007 -2009 | Committee Member, Physical Therapy, PhD program in Rehabilitation Sciences planning committee |
| 2005 - 2011  | Member, Physical Therapy, Admissions Committee, Post-Professional Doctor of Physical Therapy program |
| 2004 -2005 | Search Committee, Exercise and Sport Science, Faculty Search Committee |
| 2003 -2004 | Committee Chair, Physical Therapy, Faculty Search Committee |
| 2001 - 2005  | Committee Member, Physical Therapy, Entry Level and Post Professional Doctoral Degree Curriculum Planning Committee |
| 1997 - 2012  | Committee Member, Physical Therapy, Scholarship Committee, University of Utah |
| 1993 - Present  | Committee Member, Physical Therapy, Admissions Committee |
| 1993 - Present  | Committee Member, Physical Therapy, Curriculum Committee |

**Division Level**

|  |  |
| --- | --- |
| 2010-2013 | Faculty Search Committee, Division of Occupational Therapy |
| 2003 -2004 | Faculty Search Committee, Division of Occupational Therapy |

* 1. **External Service**

**Consulting**

|  |  |
| --- | --- |
| 2014-present | Scientific Advisory Board, Modus Health |
| 2008 - 2010  | Advisory Board, Davis Phinney Foundation. Advisory Board Member for Parkinson's Disease Exercise and Physical Activity (PD Exact) Network |
| 2007 - 2009 | Scientific Advisory Board, Davis Phinney Foundation. Quality of Life Sub-Group |

**C. Service to Profession**

|  |  |
| --- | --- |
| 2013-2014 | Chair, American Physical Therapy Association - Section for Neurology, Awards Committee |
| 2011-2013 | Committee Member, American Physical Therapy Association - Section for Neurology, Awards Committee |
| 2009-2010 | Chair, American Physical Therapy Association - Section for Neurology, Nominating Committee |
| 2007 - 2009 | Committee Member, American Physical Therapy Association - Section for Neurology, Nominating Committee |
| 2005 -2007 | Program Committee Member, American Physical Therapy Association, Annual Conference Program Planning Committee |
| 2002 -2007 | Chair, American Physical Therapy Association: Utah Chapter, Research and Practice |
| 2000 -2002 | Committee Chair, American Physical Therapy Association - Section for Neurology, Membership and Public Relations Committee |

 **D. Public Service**

|  |  |
| --- | --- |
| 2002-2018 | Play Your Part for Parkinson Disease APDA Utah Chapter Fund Raiser Planning Committee |
| 2001 - 2015 | Organizer & Participant, Salt Lake County Aging Services. Balance and Fall Risk Screening |
| 2002 -2016 | Coach, Utah Youth Soccer Association. Soccer Coach |
| 2002 -2008 | Board of Directors, American Parkinson Disease Association: Utah Chapter, Board of Directors |
| 2001 -2004 | Advisory Board, Mount Olympus Christian Child Care Center. Parent Advisory Board |

Last updated 06/24/22