

**PRUDENCE PLUMMER, PhD, PT, BPhysio(Hons)**

Professor

Department of Physical Therapy  
MGH Institute of Health Professions

Email: [pplummer@mghihp.edu](mailto:pplummer@mghihp.edu)

(she/her/hers)

**EDUCATION**

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**La Trobe University**, School of Physiotherapy 2000-2004

Doctor of Philosophy

*Thesis:* Physiotherapy assessment of unilateral neglect: psychometric testing and clinical decision making

*Supervisors:* Meg E. Morris, PT, PhD; Judith Dunai, PhD

**Swinburne University of Technology** 2000

Graduate Certificate in Health Statistics

**La Trobe University**, School of Physiotherapy 1996-2000

Bachelor of Physiotherapy (Honors)

*Thesis:* Effect of direction of covert attentional shift of speed of response to visual stimuli within perceived three-dimensional moving objects

*Supervisors:* Judith Dunai, PhD; Kerry Bennett, PT, PhD

**La Trobe University**, School of Occupational Therapy 1994-1996

Bachelor of Occupational Therapy Candidate

Degree not completed – transfer to Bachelor of Physiotherapy

**POSTDOCTORAL TRAINING**

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**University of California Los Angeles**, Department of Neurology 2006-2008

*Mentor:* Bruce H. Dobkin, MD

**University of Florida**, Brooks Center for Rehabilitation Studies 2004-2006

*Mentors:* Andrea L. Behrman, PT, PhD; Pamela W. Duncan, PT, PhD

**CERTIFICATES AND LICENSURE**

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Multiple Sclerosis Certified Specialist, Consortium of Multiple Sclerosis Centers 2021

Certification in Expanded Disability Status Scale in Multiple Sclerosis 2020

Physical Therapist, Commonwealth of Massachusetts #24560 2019-pres

Physical Therapist, North Carolina #15999 2015-2021

## ACADEMIC APPOINTMENTS

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Professor MGH Institute of Health Professions, School of Health and Rehabilitation Sciences, Department of Physical Therapy Boston, MA	2019-pres
Associate Professor (tenured) The University of North Carolina at Chapel Hill, Department of Allied Health Sciences, Division of Physical Therapy Chapel Hill, NC	2017-2019
Adjunct Professor The University of North Carolina at Chapel Hill, Department of Exercise and Sport Science Chapel Hill, NC	2013-2019
Assistant Professor (tenure track) The University of North Carolina at Chapel Hill, Department of Allied Health Sciences, Division of Physical Therapy Chapel Hill, NC	2013-2016
Assistant Professor (tenure track) Northeastern University, Department of Physical Therapy Boston, MA	2008-2013
SIRROWS Study Coordinator University of California Los Angeles, Department of Neurology Los Angeles, CA	2006-2009
Postdoctoral Research Assistant National Stroke Research Institute Heidelberg, VIC Australia	2003-2004
Research Physiotherapist La Trobe University, School of Physiotherapy Bundoora, VIC Australia	2003
Instructor (sessional) La Trobe University, School of Physiotherapy Bundoora, VIC Australia	2000-2003

## HONORS AND AWARDS

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Excellence in Research Mentoring Award, MGH Institute of Health Professions	2022
Annual Volunteer Award (Health Professional), National Multiple Sclerosis Society	2019
Junior Faculty Development Award, University of North Carolina at Chapel Hill	2015
Faculty speaker, Department of Physical Therapy Pinning and Hooding Ceremony	2011
Nominated for Excellence in Teaching Award, Northeastern University	2011
Kenerson Faculty Scholarship Award, Northeastern University	2010
Graduate Research Prize, Faculty of Health Sciences, La Trobe University	2004
Felice Rosemary Award Trust Fund Scholarship	2003
Physiotherapy Research Foundation Research Prize (Australia)	1999
Australian Physiotherapy Association Research Prize	1999
Australian Postgraduate Award (scholarship for pursuit of PhD)	1999-2003

### Mentored Student/Postdoctoral Trainee Awards:

Jody Feld, PhD, PT, DPT, Horizon Award, The Graduate School, University of North Carolina at Chapel Hill	2020
Jody Feld, PT, DPT, Philanthropic Educational Organization (PEO) Scholar Award	2018
Jody Feld, PT, DPT, Summer Research Fellowship Award, University of North Carolina at Chapel Hill	2017
Jody Feld, PT, DPT, NCS, Student Research Ambassador Award, Department of Allied Health Sciences, University of North Carolina at Chapel Hill	2017
Jody Feld, PT, DPT, NCS, Promotion of Doctoral Studies (PODS) II Scholarship, Foundation for Physical Therapy	2017
Jody Feld, PT, DPT, NCS, Promotion of Doctoral Studies (PODS) I Scholarship, Foundation for Physical Therapy	2016
Lisa Zukowski, PhD, Postdoctoral Scholar Travel Award, University of North Carolina at Chapel Hill	2016
Lisa Zukowski, PhD, Society for Neuroscience Trainee Professional Development Award	2016
Lisa Zukowski, PhD, Postdoctoral Award for Excellence in Mentoring Undergraduates, University of North Carolina at Chapel Hill	2015

## RESEARCH GRANTS

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### EXTERNAL GRANTS

#### Current

**MS-1610-36999** (Backus, Motl) 01/02/2018-05/30/2023  
**Patient-Centered Outcomes Research Institute**  
*Comparative effectiveness of an exercise intervention delivered via telerehabilitation and conventional mode of delivery*

Role: Co-investigator (Site Principal Investigator)

### Completed

**NSF 1840131** (Fuchs, Frahm, Plummer, Williams) 08/15/2018-08/14/2021

**National Science Foundation**

*Enhancing human capabilities through virtual personal embodied assistants in self-contained eyeglasses-based AR systems*

Role: Co-Principal Investigator

**ASNR Seed Funding** (Plummer) 11/2016-11/2018

**American Society of Neurorehabilitation**

*Stakeholder engagement to inform the design of a comparative effectiveness study of treatment options for walking difficulties in multiple sclerosis*

Role: Principal Investigator

**1R56AG054797-01A1** (Franz) 9/30/2017-8/31/2018

**National Institute of Health**, National Institute on Aging

*The sensorimotor locus of balance control in elderly gait*

Role: Co-investigator

**PP-1503-03495** (Plummer) 10/01/2015-09/30/2017

**National Multiple Sclerosis Society**

*Combining dalfampridine and physical therapy for gait rehabilitation in multiple sclerosis*

Role: Principal Investigator

**1R21HD076157-01A1** (Plummer) 08/01/2014-07/31/2017

**National Institute of Health**, The Eunice Kennedy Shriver National Institute of Child Health and Human Development

*Real world assessment of dual-task performance after stroke*

Role: Principal Investigator

**11SDG7270001** (Plummer) 07/01/2011-06/30/2016

**American Heart Association**, Scientist Development Grant

*Training dual-task walking after stroke: effects on attentional and locomotor control*

Role: Principal Investigator

### **INTERNAL GRANTS**

#### Completed

**550KR191816 NC TraCS Grant** (Plummer) 11/2018-10/2019

North Carolina Translational and Clinical Sciences Institute

*Development of a discharge risk assessment for future falls and inactivity in subacute stroke*

Role: Principal Investigator

**2KR801612 NC TraCS Pilot Award** (Zukowski) 07/2016-06/2017

North Carolina Translational and Clinical Sciences Institute

*Falls in older adults: exploring interactions between gait, gaze behavior, and cognition*

Role: Co-investigator, Mentor

**2KR741503 NC TraCS Pilot Award** (Franz) 02/2016-01/2017

North Carolina Translational and Clinical Sciences Institute

*Visuomotor entrainment and the control of balance in elderly gait*

Role: Co-Investigator

**Junior Faculty Development Award** 2015

The University of North Carolina at Chapel Hill

*The effect of environment and cognitive load on gait in people with multiple sclerosis*

Role: Principal Investigator

**Undergraduate Research Program Grant** (Faculty mentor: Plummer) 2012-2013

Northeastern University

*Effects of gait and cognitive task difficulty on cognitive-motor interference in aging*

Role: Principal Investigator, Faculty mentor

**Undergraduate Research Program Grant** (Faculty mentor: Plummer) 2011-2012

Northeastern University

*Comparison of dual-task and single-task gait training after stroke: a case series*

Role: Principal Investigator, Faculty mentor

**Undergraduate Research Program Grant** (Faculty mentor: Plummer) 2010-2011

Northeastern University

*Assessing the effects of dual task gait training on community participation after stroke*

Role: Principal Investigator, Faculty mentor

**Undergraduate Research Program Grant** (Faculty mentor: Plummer) 2010-2011

Northeastern University

*Effect of cognitive-motor interference and environment on participation in community-dwelling individuals with stroke*

Role: Principal Investigator, Faculty mentor

**Undergraduate Research Program Grant** (Faculty mentor: Plummer) 2010-2011

Northeastern University

*Effects of task difficulty on cognitive-motor interference*

Role: Principal Investigator, Faculty mentor

**Kenerson Faculty Scholarship Award** (Plummer) 2010-2011

Bouvé College of Health Sciences, Northeastern University

*Pilot study of dual-task gait training after stroke*

Role: Principal Investigator

**Undergraduate Research Program Grant** (Faculty mentor: Plummer) 2010

Northeastern University

*Evaluation of cognitive-motor interference in community-dwelling individuals with stroke*

Role: Principal Investigator, Faculty mentor

**Undergraduate Research Program Grant** (Faculty mentor: Plummer) 2010

Northeastern University

*Dual task training in older adults*

Role: Principal Investigator, Faculty mentor

**Undergraduate Research Program Grant** (Faculty mentor: Plummer) 2009-2010

Northeastern University

*Pilot study of dual task gait training after stroke*

Role: Principal Investigator, Faculty mentor

- Proposal Development Grant** (Plummer) 2009-2010  
 Northeastern University, Bouvé College of Health Sciences  
*Cognitive-motor interference during gait in community-dwelling individuals with stroke*  
 Role: Principal Investigator
- Undergraduate Research Program Grant** (Faculty mentor: Plummer) 2009-2010  
 Northeastern University  
*Age-related differences in dual task effects of spontaneous speech and executive function in healthy young and older adults*  
 Role: Principal Investigator, Faculty mentor
- Undergraduate Research Program Grant** (Faculty mentor: Plummer) 2008-2009  
 Northeastern University  
*Interactions between cognitive processes and gait in healthy young and older adults*  
 Role: Principal Investigator, Faculty mentor
- Postgraduate Support Grant** (Plummer) 2002  
 La Trobe University, Faculty of Health Sciences  
*Physiotherapy assessment of unilateral neglect following stroke: the effects of structured guidelines on clinical decisions*  
 Role: Principal Investigator
- Postgraduate Support Grant** (Plummer) 2001  
 La Trobe University, Faculty of Health Sciences  
*Physiotherapy assessment of unilateral neglect following stroke: identifying the processes*  
 Role: Principal Investigator
- Faculty Research Grant** (Morris) 2002-2003  
 La Trobe University, Faculty of Health Sciences  
*Investigation of moving visual cues in patients with unilateral neglect after stroke*  
 Role: Co-Principal Investigator
- Postgraduate Support Grant** (Plummer) 2000  
 La Trobe University, Faculty of Health Sciences  
*Movement rehabilitation in stroke patients with visuospatial neglect: the effects of visual cues and active movement*  
 Role: Principal Investigator
- Publication Grant** (Plummer) 2000  
 La Trobe University, Faculty of Health Sciences  
*Physical therapy for stroke patients with unilateral neglect: the role of visual cues and limb activation strategies*  
 Role: Principal Investigator

## PUBLICATIONS

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[<sup>§</sup>denotes significant contribution when not first/senior author; <sup>†</sup>denotes student/postdoc author mentored by PP; underline denotes senior author]

### Refereed Articles

1. **Plummer P**, Feld JA, Mercer VS, Ni P. Brief composite mobility index predicts post-stroke fallers after hospital discharge. *Frontiers in Rehabilitation Sciences*. 23 September 2022. doi.org/10.3389/fresc.2022.979824
2. Feld JA<sup>†</sup>, Goode AP, Mercer VS, **Plummer P**. Utility of an obstacle-crossing test to classify future fallers and non-fallers at hospital discharge after stroke: A pilot study. *Gait & Posture*. 2022. May 31;96:179-184. doi: 10.1016/j.gaitpost.2022.05.037.
3. **Plummer P**, Markovic-Plese S, Giesser B. Dalfampridine for mobility limitations in people with multiple sclerosis may be augmented by physical therapy: a non-randomized two-group proof-of-concept pilot study. *Frontiers in Rehabilitation Sciences*. 11 January 2022. 2:795306. doi:10.3389/fresc.2021.795306.
4. Maquire R, Hynes S, Seebacher B, Block VJ, Zackowski K, Jonsdottir J, Finlayson M, **Plummer P**, Freeman J, Giesser B, von Geldern G, Ploughman M. Research interrupted: The impact of the COVID-19 pandemic on multiple sclerosis research in the field of rehabilitation and quality of life. *Multiple Sclerosis Journal: Experimental, Translational, and Clinical*. 2021, July-September, 1-6. doi: 10.1177/20552173211038030.
5. Eustis H<sup>†</sup>, **Plummer P**. Self-efficacy training as an adjunct to exercise in a person with progressive multiple sclerosis: A case report. *Physiotherapy Theory and Practice*. 2021;Jun 3:1-10. doi: 10.1080/09593985.2021.1934921.
6. Zukowski LA<sup>†</sup>, Tennant JE, Iyigun G<sup>†</sup>, Giuliani CA, **Plummer P**. Dual-tasking impacts gait, cognitive performance, and gaze behavior during walking in a real-world environment on older adult fallers and non-fallers. *Experimental Gerontology*. 2021 Jul 15;150:111342. doi: 10.1016/j.exger.2021.111342.
7. **Plummer P**, Zukowski LA<sup>†</sup>, Feld JA<sup>†</sup>, Najafi B. Cognitive-motor dual-task gait training within 3 years after stroke: A randomized controlled trial. *Physiotherapy Theory and Practice*. 2021;18:1-16. doi: 0.1080/09593985.2021.1872129.
8. Feld JA<sup>†</sup>, **Plummer P**. Patterns of cognitive-motor dual-task interference at hospital discharge post stroke. *European Journal of Physical & Rehabilitation Medicine*. 2021 Jun;57(3):327-336. doi: 10.23736/S1973-9087.20.06273-5.
9. **Plummer P**, Altmann LJP, Feld JA<sup>†</sup>, Zukowski LA<sup>†</sup>, Najafi B, Giuliani C. Attentional prioritization in dual-task walking: effects of stroke, environment, and instructed focus. *Gait & Posture*. 2020;79:3-9.
10. Zukowski LA<sup>†</sup>, Iyigun G<sup>†</sup>, Giuliani CA, **Plummer P**. Effect of the environment on gait and gaze behavior in older adult fallers compared to older adult non-fallers. *PLoS One*. 2020;15(3):e0230479.
11. Richards JT, Selgrade BP, Qiao M, **Plummer P**, Wikstrom EA, Franz JR. Time-dependent tuning of balance control and aftereffects following optical flow perturbation training in older adults. *Journal of Neuroengineering and Rehabilitation*. 2019;16(1):81. doi: 10.1186/s12984-019-0555-3.
12. Motl R, Backus D, Neal WN, Cutter G, Palmer L, McBurney R, Schmidt H, Bethoux F, Hebert J, Ng A, McCully K, **Plummer P**. Rationale and design of the STEP for MS trial: Comparative effectiveness of Supervised versus Telerehabilitation Exercise Programs for Multiple Sclerosis. *Contemporary Clinical Trials*. 2019;81:110-122.

13. Zukowski LA<sup>†</sup>, Feld JA<sup>†</sup>, Giuliani CA, **Plummer P**. Relationships between gait variability and ambulatory activity after stroke. *Topics in Stroke Rehabilitation*. 2019;26:1-6.
14. Lynall RC, Blackburn T, Guskiewicz K, Marshall SW, **Plummer P**, Mihalik JP. Functional balance assessment in recreational college-aged individuals with a concussion history. *Journal of Science and Medicine in Sport*. 2019;22(5):503-508.
15. Feld JA<sup>†</sup>, **Plummer P**. Visual scanning behavior during distracted walking in healthy young adults. *Gait & Posture*. 2019;67:219-223.
16. Thompson J, **Plummer P**, Franz JR. Age and falls history effects on antagonist leg muscle coactivation during walking with optical flow perturbations. *Clinical Biomechanics*. 2018;59:94-100.
17. **Plummer P**, Iyigun G<sup>†</sup>. Effects of physical exercise interventions on gait-related dual-task interference after stroke: a systematic review and meta-analysis. *Archives of Physical Medicine and Rehabilitation*. 2018;99:2548-2560.
18. **Plummer P**, Bohling CJ<sup>†</sup>, Nickles LE<sup>†</sup>, Williams AA<sup>†</sup>, Thomas A, Markovic-Plese S, Giesser B. Case report: Combining dalfampridine with multicomponent exercise and gait training in a person with multiple sclerosis: a case report. *International Journal of MS Care*. 2018;20:238-243.
19. Feld JA<sup>†</sup>, Zukowski LA<sup>†</sup>, Howard AG, Giuliani CA, Altmann LJP, Najafi B, **Plummer P**. Relationship between dual-task gait speed and walking activity post stroke. *Stroke*. 2018;49:1296-1298.
20. Lynall RC, Blackburn T, Guskiewicz K, Marshall SW, **Plummer P**, Mihalik JP. Reaction time and joint kinematics during functional movement in recently concussed individuals. *Archives of Physical Medicine and Rehabilitation*. 2018;49(5):880-886.
21. **Plummer P**. Focus group methodology. Part 2: Considerations for analysis. *International Journal of Therapy and Rehabilitation*. 2017;24(8):345-351. (Invited update, originally published in 2008)
22. **Plummer P**. Focus group methodology. Part 1: Design considerations. *International Journal of Therapy and Rehabilitation*. 2017;24(7):297-301. (Invited update, originally published in 2008)
23. Zukowski LA<sup>†</sup>, Martin JM<sup>†</sup>, Scronce G<sup>†</sup>, Lewek MD, **Plummer P**. The influence of cognitive load on metabolic cost of transport during over-ground walking in healthy, young adults. *European Journal of Applied Physiology*. 2017;117(4):679-686.
24. Lynall RC<sup>†</sup>, Zukowski LA<sup>†</sup>, **Plummer P**, Mihalik JP. Reliability and validity of the Protokinetics Movement Analysis Software in measuring center of pressure during walking. *Gait & Posture*. 2017;52:308-311.
25. **Plummer P**. Critical appraisal of evidence for improving gait speed in people with multiple sclerosis: dalfampridine versus gait training. *International Journal of MS Care*. 2016;18(3):105-15.
26. **Plummer P**, Eskes G. Measuring treatment effects on dual-task performance: a framework for research and clinical practice. *Frontiers in Human Neuroscience*. 2015;9:225. DOI: 10.3389/fnhum.2015.00225.
27. **Plummer P**, Grewel G, Najafi B, Ballard A<sup>†</sup>. Instructions and skill level influence reliability of dual-task performance in young adults. *Gait & Posture*. 2015;41:964-967.
28. **Plummer P**, Zukowski LA<sup>†</sup>, Giuliani C, Hall AM, Zurakowski D. Effects of physical interventions on gait-related dual-task interference in older adults: a systematic review and meta-analysis. *Gerontology*. 2015;62(1):94-117.
29. **Plummer P**, Apple S<sup>†</sup>, Dowd C<sup>†</sup>, Keith E<sup>†</sup>. Texting and walking: effect of environmental setting and task prioritization on dual-task interference in healthy young adults. *Gait & Posture*. 2015;41:46-51.



30. **Plummer P**, Villalobos RM, Vayda MS, Moser M, Johnson E. Feasibility of dual-task gait training for community-dwelling adults post-stroke: a case series. *Stroke Research and Treatment*. 2014, Article ID 538602, 12 pages, DOI: 10.1155/2014/538602.
31. **Plummer P**, Eskes G, Wallace S, Fraas M, Guiffrida C, Campbell G, Clifton K, Skidmore ER. Cognitive-motor interference during functional mobility after stroke: State of the science and implications for research. *Archives of Physical Medicine and Rehabilitation*. 2013;94:2565-2574.
32. **Plummer-D'Amato P**, Kyvelidou A<sup>†</sup>, Sternad D, Najafi B, Villalobos RM, Zurakowski D. Training dual-task walking in community-dwelling adults within 1 year of stroke: A protocol for a single-blind randomized controlled trial. *BMC Neurology*. 2012;12:129.
33. **Plummer-D'Amato P**, Brancato B<sup>†</sup>, Dantowitz M<sup>†</sup>, Birken S<sup>†</sup>, Bonke C<sup>†</sup>, Furey E<sup>†</sup>. Effects of gait and cognitive task difficulty on cognitive-motor interference in aging. *Journal of Aging Research*. 2012, Article ID 583894, 8 pages, DOI:10.1155/2012/583894.
34. **Plummer-D'Amato P**, Shea G<sup>†</sup>, Dowd C<sup>†</sup>. Motor versus cognitive dual-task effects on obstacle negotiation in older adults. *International Journal of Therapy and Rehabilitation*. 2012;19(4):200-207.
35. **Plummer-D'Amato P**, Cohen Z<sup>†</sup>, Daeae NA<sup>†</sup>, Lawson SE<sup>†</sup>, Lizotte MR<sup>†</sup>, Padilla A<sup>†</sup>. Effects of once weekly dual-task training in older adults: a pilot randomized controlled trial. *Geriatrics and Gerontology International*. 2012;12:622–629.
36. **Plummer-D'Amato P**, Altmann LJP. Relationships between motor function and gait-related dual-task interference after stroke: a pilot study. *Gait & Posture*. 2012;35:170-172.
37. **Plummer-D'Amato P**, Altmann LJP, Reilly K. Dual-task effects of spontaneous speech and executive function on gait in aging: Exaggerated effects in slow walkers. *Gait & Posture*. 2011;33:233-237.
38. Tabak R<sup>†</sup> & **Plummer-D'Amato P**. Bilateral movement therapy post stroke: underlying mechanisms and review of evidence for upper extremity rehabilitation. *International Journal of Therapy and Rehabilitation*. 2010;17(1):15-21.
39. **Plummer-D'Amato P**, Altmann LJP, Behrman AL, Marsiske M. Interference between cognition, double limb support, and swing during gait in community-dwelling individuals post stroke. *Neurorehabilitation and Neural Repair*. 2010;24(6):542-549.
40. Dobkin BH, **Plummer-D'Amato P**<sup>§</sup>, Elashoff R, Lee J, SIRROWS Group. International randomized clinical trial, Stroke Inpatient Rehabilitation with Reinforcement of Walking Speed (SIRROWS), improves outcomes. *Neurorehabilitation and Neural Repair*. 2010;24(3):235-242.
41. Rogalski Y, Altmann LJP, **Plummer-D'Amato P**<sup>§</sup>, Behrman AL, Marsiske M. Discourse coherence and cognition after stroke: A dual task study. *Journal of Communication Disorders*. 2010;43:212-224.
42. Cumming T, **Plummer-D'Amato P**<sup>§</sup>, Linden T, Bernhardt J. Hemispatial neglect and rehabilitation in acute stroke. *Archives of Physical Medicine and Rehabilitation*. 2009;9(11):1931-1936.
43. Canavan P, Cahalin L, Harris M, Lowe S, Fitzpatrick D, **Plummer-D'Amato P**<sup>§</sup>. Managing gait disorders in older persons residing in nursing homes: A review of literature. *Journal of the American Medical Directors Association*. 2009;10:230–237.
44. Newton JM, Dong Y, Hidler J, **Plummer-D'Amato P**, Marehbian J, Albisteguis-Du Bois R, Woods R, Dobkin B. Reliable assessment of lower limb motor representations with fMRI: Use of an MR compatible device for monitoring torque at ankle, knee and hip joint. *NeuroImage*. 2008;43(1):136-146.

45. **Plummer-D'Amato P**, Altmann LJP, Saracino D, Fox E, Behrman AL, Marsiske M. Interactions between cognitive tasks and gait after stroke: a dual task study. *Gait & Posture*. 2008;27:683-688.
46. **Plummer-D'Amato P**. Focus group methodology (part two): considerations for analysis. *International Journal of Therapy and Rehabilitation*. 2008;15(3):123-129.
47. **Plummer-D'Amato P**. Focus group methodology (part one): considerations for design. *International Journal of Therapy and Rehabilitation*. 2008;15(2):69-73.
48. **Plummer P**, Behrman AL, Duncan PW, Spigel P, Saracino D, Martin J, Fox, E, Thigpen M, Kautz, SA. Effects of stroke severity and training duration on locomotor recovery after stroke: a pilot study. *Neurorehabilitation and Neural Repair*. 2007;21:137-151.
49. **Plummer P**, Morris ME, Hurworth RE, Dunai J. Characterisation of unilateral neglect by physiotherapists. *Disability and Rehabilitation*. 2006;28(9):571-577.
50. **Plummer P**, Morris ME, Hurworth RE, Dunai J. Physiotherapy assessment of unilateral neglect: Insight into procedures and clinical reasoning. *Physiotherapy*. 2006;92:103-109.
51. **Plummer P**, Dunai J, & Morris ME. Understanding the effects of moving visual stimuli on unilateral neglect following stroke. *Brain and Cognition*. 2006;60:156-165.
52. Martin J, **Plummer P**, Bowden M, Fulk G, Behrman A. Body weight support systems: considerations for clinicians. *Physical Therapy Reviews*. 2006;11:143-152.
53. **Plummer P**, Morris ME, Denisenko S, Dunai J. Clinical reasoning processes in physiotherapists' assessment of unilateral neglect: part two. *International Journal of Therapy and Rehabilitation*. 2005;12:533-541.
54. **Plummer P**, Morris ME, Denisenko S, Dunai J. Clinical reasoning processes in physiotherapists' assessment of unilateral neglect: part one. *International Journal of Therapy and Rehabilitation*. 2005;12:498-504.
55. Behrman AL, Lawless AR, Davis SB, Bowden MG, Nair P, Phadke C, Hannold EM, **Plummer P**, Harkema SJ. Locomotor training progression and outcomes after incomplete spinal cord injury: Case report. *Physical Therapy*. 2005;85:1356-1371.
56. **Plummer P**, Morris ME, Dunai J. Assessment of unilateral neglect. *Physical Therapy*. 2003;83:732-740.
57. **Plummer P**, Morris M, Dunai J. Physical therapy for stroke patients with unilateral neglect: The role of visual cues and limb activation strategies. *Physical Therapy Reviews*. 2001;6:175-188.

### **Submissions Under Review**

1. **Plummer P**, Stewart A, Anderson JN. Patient and clinician perspectives of physical therapy for walking difficulties in multiple sclerosis. *Multiple Sclerosis International*. (Revision under review 17 Nov 2022).
2. Zukowski LA<sup>†</sup>, Brinkerhoff SA, Iyigun G, Roper JA, Guiliani CA, **Plummer P**. Fall history in older adults impacts acceleration profiles after a near collision with a moving pedestrian hazard. *Aging Clinical and Experimental Research*. (Revision under review 7 Jan 2023).

## Editorials, Letters, Commentaries, Critically Appraised Papers

[Prue Plummer is a Critically Appraised Paper Editor for the Journal of Physiotherapy, 2014-present]

1. **Plummer P.** Critically appraised paper: Fall prevention program delivered electronically to community-dwelling older people can reduce fall rate over 24 months. *Journal of Physiotherapy.* 2022;68(4):279.
2. **Plummer P.** Critically appraised paper: High-intensity interval training after stroke improves some aspects of physical function, but benefits are not sustained. *Journal of Physiotherapy.* 2022;68(3):204.
3. **Plummer P.** Critically appraised paper: Balance training and cognitive-behavioural therapy are most promising for reducing fatigue severity in people with multiple sclerosis. *Journal of Physiotherapy.* 2022;68(2):144.
4. **Plummer P.** Critically appraised paper: Implicit motor learning is not superior to explicit motor learning for improving gait speed in chronic stroke. *Journal of Physiotherapy.* 2021;67(4):311.
5. **Plummer P.** Critically appraised paper: Non-invasive brain stimulation does not enhance the effect of robotic-assisted upper limb training on arm motor recovery after stroke. *Journal of Physiotherapy.* 2021;67(3):218.
6. **Plummer P.** Critically appraised paper: Screening for fall risk and a targeted exercise or multifactorial intervention do not reduce fracture rate in older adults more than advice onl. *Journal of Physiotherapy.* 2021;67(2):140.
7. **Plummer P.** Critically appraised paper: A home-based standing frame program may improve motor function in people with progressive multiple sclerosis. *Journal of Physiotherapy.* 2021;67(1):65.
8. **Plummer P.** Critically appraised paper: Tailored prescription of digitally enabled rehabilitation may improve mobility, but not physical activity, in geriatric and neurological rehabilitation. *Journal of Physiotherapy.* 2020;66(4):268.
9. **Plummer P.** Critically appraised paper: Upper limb post-stroke telerehabilitation is not inferior to in-clinic rehabilitation. *Journal of Physiotherapy.* 2020;66(3):198.
10. **Plummer P.** Critically appraised paper: Combined aerobic and resistance training is superior to usual care for improving some aspects of mobility after stroke. *Journal of Physiotherapy.* 2020;66(2):131.
11. **Plummer P.** Critically appraised paper: Task-oriented gait training that focuses on the safe and correct use of a walking aid may reduce falls in people with multiple sclerosis. *Journal of Physiotherapy.* 2020;66(1):56.
12. **Plummer P.** Critically appraised paper: Unilateral neglect impairs functional recovery but evidence for upper limb interventions in patients with neglect is lacking. *Journal of Physiotherapy.* 2019;65(4):237.
13. **Plummer P.** Critically appraised paper: Group-format dual-task training reduces dual-task interference in simple mobility tasks in people with chronic stroke [synopsis]. *Journal of Physiotherapy.* 2019;65(3):173
14. **Plummer P.** Critically appraised paper: Exercise interventions improve some walking-related outcomes in people with Parkinson's disease. *Journal of Physiotherapy.* 2019;65(2):108.
15. **Plummer P.** Critically appraised paper: Multidisciplinary inpatient rehabilitation for multiple sclerosis may delay declines in health-related quality of life over 6 month. *Journal of Physiotherapy.* 2019;65(1):52.
16. **Plummer P.** Critically appraised paper: Long-term, individualised physical activity and exercise coaching does not improve maintenance of motor function after stroke. *Journal of Physiotherapy.* 2018;64(4):264.

17. **Plummer P.** Improving real-world walking habits after stroke requires behavioural change techniques, not just exercise and gait training [synopsis]. *Journal of Physiotherapy*. 2017;63(4):259.
18. **Plummer P.** Gait and balance training using virtual reality is more effective for improving gait and balance ability after stroke than conventional training without virtual reality [synopsis]. *Journal of Physiotherapy*. 2017;63(2):114.
19. **Plummer P.** Paying attention to the attentional prioritisation strategy in dual-tasking [editorial]. *International Journal of Therapy and Rehabilitation*. 2017;24(2):53.
20. **Plummer P.** Higher-dose, higher-repetition upper limb motor rehabilitation program after stroke is not superior to dose-matched or usual-dose customary occupational therapy. [synopsis]. *Journal of Physiotherapy*. 2016;62(4):226.
21. **Plummer P.** Aerobic and resistance exercise improve walking speed and endurance in people with multiple sclerosis. [synopsis]. *Journal of Physiotherapy*. 2016;62(2):113.
22. **Plummer P.** Feedback about walking activity does not increase walking activity levels during inpatient rehabilitation [synopsis]. *Journal of Physiotherapy*. 2015;61(4):223.
23. **Plummer P.** Constraint-induced movement therapy early after stroke improves rate of upper limb motor recovery but not long-term function. [synopsis]. *Journal of Physiotherapy*. 2015;61:95.
24. **Plummer P, Osborne MB.** What are we attempting to improve when we train dual-task performance? *Journal of Neurologic Physical Therapy*. 2015 Jul;39(3):154-5.
25. **Plummer-D'Amato P.** Invited commentary on Physical activity participation, functional exercise capacity and self-esteem in patients with schizophrenia. *International Journal of Therapy and Rehabilitation*. 2011;18(4):229.
26. **Plummer-D'Amato P.** Invited commentary on Emotional support for stroke survivors: a share your story group. *International Journal of Therapy and Rehabilitation*. 2009;16(10):570-571.
27. **Plummer-D'Amato P, Giesser B.** Invited commentary on Developing a self-management and exercise model for people with mild to moderate multiple Sclerosis: An interdisciplinary approach. *International Journal of Therapy and Rehabilitation*. 2009;16(1):42.
28. Behrman, AL, **Plummer-D'Amato P.** "What's in a name?" Revisited. *Physical Therapy*. 2008;88(1):6-9.
29. **Plummer-D'Amato P.** Improving rehabilitation outcomes in unilateral neglect [editorial]. *International Journal of Therapy and Rehabilitation*. 2007;14(4):100.

## REFEREED PRESENTATIONS AND ABSRACTS

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1. **Plummer P, Schliep M, Jallad L<sup>†</sup>, Black-Schaffer R.** Comparative discriminative and predictive validity of fall-risk assessment at inpatient discharge post stroke. *World Congress of Neurorehabilitation*. Vienna, Austria. December 14-17, 2022.
2. Andrew K, Costello M, Gillan E, Parlman K, **Plummer P**, Strom J, DiCarlo J, Lin D. Functional Ambulation Category (FAC) in acute stroke predicts disability at 3 months. *American Academy of Neurologic Physical Therapy*. Minneapolis, MN. October 13-15, 2022.
3. **Plummer P, Feld JA<sup>†</sup>, Mercer VS, Ni P.** Brief composite mobility index predicts post-stroke fallers after hospital discharge. *Circulation* 2021;144:A14021.
4. Feld JA<sup>†</sup>, **Plummer P.** Obstacle crossing as a risk assessment tool for future falls in subacute stroke. *Journal of Neurologic Physical Therapy* 2020;44:108. (Abstract published online at [www.JNPT.org](http://www.JNPT.org)).

5. Feld JA<sup>†</sup>, **Plummer P**. Development of a discharge risk assessment for future falls and inactivity after stroke. *World Congress of NeuroRehabilitation*. Lyon, France. October 7-10, 2020 (virtual conference).
6. **Plummer P**, Feld JA<sup>†</sup>, Zukowski LA<sup>†</sup>, Giuliani CA. Patient perception of gait-related dual-task interference after stroke. *World Congress of NeuroRehabilitation*. Lyon, France. October 7-10, 2020 (virtual conference).
7. Selgrade BP, **Plummer P**, Franz JR. Susceptibility to optical flow perturbations in older adults prevails despite cognitive distraction. *American Society of Biomechanics*. Atlanta, GA. August 4-7, 2020.
8. Backus D, Palmer L, Schmidt H, Hebert J, Bethoux F, Ng AV, **Plummer P**, McCully KK, Motl R. Methods for ensuring implementation fidelity in a multi-site exercise training trial. *American Physical Therapy Association Combined Sections Meeting*. Denver, CO. February 12-15, 2020.
9. **Plummer P**, Anderson J<sup>†</sup>, Stewart A<sup>†</sup>. On the importance of gait speed: perspectives from people with multiple sclerosis and neurologic physical therapists. *Neurorehabilitation and Neural Repair*. 2019;33(12):1067.
10. **Plummer P**, Anderson J<sup>†</sup>, Stewart A<sup>†</sup>. On the importance of gait speed: perspectives from people with multiple sclerosis and neurologic physical therapists. *International Journal of MS Care*. 2019;21(S1):97.
11. Feld JA<sup>†</sup>, Iyer NN, Keen R, **Plummer P**. Clinical utility of an attention-demanding task at hospital discharge to estimate fall risk in subacute stroke. *Journal of Neurologic Physical Therapy* 2019;43:80. (Abstract published online at [www.JNPT.org](http://www.JNPT.org)).
12. Feld JA<sup>†</sup>, **Plummer P**. Patterns of dual-task interference at hospital discharge post stroke. *International Society of Posture and Gait Research*. Edinburgh, Scotland. June 30-July 4, 2019.
13. **Plummer P**, Feld JA<sup>†</sup>, Zukowski LA<sup>†</sup>, Najafi B. Dual-task gait training is not superior to single-task gait training within 3 years of stroke: a randomized controlled trial. *International Society of Posture and Gait Research*. Edinburgh, Scotland. June 30-July 4, 2019.
14. Zukowski LA<sup>†</sup>, Giuliani CA, **Plummer P**. Cognitive load does not impact gaze behavior during walking in real-world environment in older adult fallers and non-fallers. *Society for Neuroscience*. Chicago, IL. October 19-23, 2019.
15. Richards JT, Selgrade BP, Qiao M, **Plummer P**, Wikstrom EA, Franz JR. Time-dependent tuning of balance control and aftereffects following optical flow perturbation training in older adults. *International Society of Biomechanics / American Society of Biomechanics*. Calgary, Canada. July 31-August 4, 2019.
16. **Plummer P**, Huryta W<sup>†</sup>, Reynolds J<sup>†</sup>, Markovic-Plese S, Giesser B. Dalfampridine may enhance the effects of physical therapy on gait in people with multiple sclerosis. *International Journal of MS Care*. 2018;20(S1):88-89.
17. Altmann LJP, Boyle S, Duncan C, Fechtel C, Shacklock H, Najafi B, **Plummer P**. Discourse production while walking in people with stroke: effects of age and environmental distraction. *American Speech-Language-Hearing Association*. Boston, MA. November 15-17, 2018.
18. Siengsukon C, Troshynski Brown S, **Plummer P**, Stephenson JB. Developing leaders in multiple sclerosis rehabilitation: An innovative training program embedded in entry-level DPT education. *American Physical Therapy Association Education Leadership Conference*. Jacksonville, FL. October 11-14, 2018.
19. Zukowski L<sup>†</sup>, Giuliani C, **Plummer P**. Effect of environment on gait and gaze behavior during walking in older adult fallers versus non-fallers. *42<sup>nd</sup> Annual Meeting of the American Society of Biomechanics*. Rochester, MN. August 8-11, 2018.

20. Altmann LJP, Xu J, Feld J<sup>†</sup>, Zukowski L<sup>†</sup>, Najafi B, **Plummer P**. Effects of age and stroke on sentence complexity during talking while walking: Effects of task prioritization and distraction. *Cognitive Aging*. Atlanta, GA. May 3-6, 2018.
21. Liuzzo D, **Plummer P**, Stewart J, Fritz S. Chronological age and functional measurements predict dual task cost for postural sway while using a bimanual task in healthy adults across all ages. *American Physical Therapy Association Combined Sections Meeting*. New Orleans, LA. February 21-24, 2018.
22. **Plummer P**, Rosenberg A, Anderson J<sup>†</sup>, Stewart A<sup>†</sup>, Huryta WW<sup>†</sup>, Reynolds JH<sup>†</sup>, Meyer D, Gooch K, Johnston L. Superior multiple sclerosis competencies in physical therapy students who participate in optional 2-year specialty education track. *International Journal of MS Care*. 2017;19(S1):77.
23. Scott K, Hewitt K, **Plummer P**, Lewek MD. The need for cognitive resources during a novel treadmill walking intervention post stroke. *Journal of Neurologic Physical Therapy*. 2017;41(1):78. Abstract published online at [www.jnpt.org](http://www.jnpt.org)
24. Feld JA<sup>†</sup>, Zukowski LA<sup>†</sup>, Najafi B, Altmann LJ, Giuliani CA, **Plummer P**. Can individuals with stroke flexibly prioritize attention during dual-task walking? *Journal of Neurologic Physical Therapy*. 2017;41(1):74. Abstract published online at [www.jnpt.org](http://www.jnpt.org)
25. Feld JA<sup>†</sup>, Drews A, **Plummer P**. Visual scanning behavior during attention-demanding tasks while walking in healthy young adults. *International Society of Posture and Gait Research*. Fort Lauderdale, FL. June 25-29, 2017.
26. Lynall RC, Blackburn JT, Guskiewicz KM, Marshall SW, **Plummer P**, Mihalik JP. Functional reaction time following concussion. *National Athletic Trainers' Association*. Houston, TX. June 26-29, 2017.
27. Lynall RC, Campbell KR, Blackburn JT, Guskiewicz KM, Marshall SW, **Plummer P**, Mihalik JP. Dynamic balance deficits following concussion. *64<sup>th</sup> Annual Meeting of the American College of Sports Medicine*. Denver, CO. May 30-June 3, 2017.
28. **Plummer P**, Williams AA, Bohling CJ, Nickles E, Markovic-Plese S, Skeen M, Giesser B. Combining dalfampridine with physical therapy may improve treatment effects in dalfampridine non-responders with multiple sclerosis: A case study. *Archives of Physical Medicine and Rehabilitation*. 2016;97(10):e62.
29. **Plummer P**, Rosenberg A, Reynolds JH<sup>†</sup>, Wilson W<sup>†</sup>, Williams AA<sup>†</sup>, Bohling CJ<sup>†</sup>, Meyer D, Gooch K, Johnston L. Analysis of the development of multiple sclerosis-related competencies among physical therapy students. *International Journal of MS Care*. 2016;18(S1):83.
30. Lynall RC, Blackburn JT, Guskiewicz KM, Marshall SW, **Plummer P**, Mihalik JP. Effect of visual and cognitive dual-tasks on tandem gait dynamic balance after concussion recovery. *5<sup>th</sup> International Consensus Conference on Concussion in Sport*. Berlin, Germany. October 27-28, 2016.
31. Johnston L, Rosenberg A, Meyer D, Gooch K, **Plummer P**. An innovative multiple sclerosis education program improves self-rated competencies in physical therapy students. *American Physical Therapy Association Education Leadership Conference*. Phoenix, AZ. October 7-9, 2016.
32. Feld JA<sup>†</sup>, Zukowski LA, Giuliani CA, **Plummer P**. Dual-task gait speed in the clinic is strongly related to physical activity in the community in individuals post stroke. *9<sup>th</sup> World Congress for NeuroRehabilitation*. Philadelphia, USA. May 10-13, 2016.
33. Hagel AJ, Ballard A<sup>†</sup>, Zukowski L<sup>†</sup>, **Plummer P**, Fraas M. Effect of location of stroke on dual-task interference during walking. *Archives of Physical Medicine and Rehabilitation*. 2015;96(10):e56-57.
34. Eustis HL<sup>†</sup>, **Plummer P**. Effects of an 8-week self-efficacy plus exercise intervention on physical activity endurance, quality of life, fatigue, and physical activity level in an individual with a progressive form of multiple sclerosis. *International Journal of MS Care*. 2015;17(S1):2-3.

35. **Plummer P**, Rosenberg A, Williams AA<sup>†</sup>, Bohling CJ<sup>†</sup>, Eustis HL<sup>†</sup>, Miller J<sup>†</sup>, Meyer D, Gooch K, Johnston L. Multiple sclerosis education track improves self-rated competencies in physical therapy students. *International Journal of MS Care*. 2015;17(S1):78.
36. **Plummer P**, Eskes G. How should we evaluate the effects of rehabilitation on dual-task interference? *Journal of Neurologic Physical Therapy*. 2015;39(1):75.
37. Hagel AJ, Ballard A<sup>†</sup>, Zukowski L<sup>†</sup>, **Plummer P**, Fraas M. Effect of location of stroke on dual-task interference during walking. *American Speech-Language-Hearing Association*. Denver, CO. November 12-14, 2015.
38. Phadke C, Kunji J, Gouelle A, Patterson K, **Plummer P**, Ismail F, Boulias C. Impact of spasticity and cognitive dual-task on gait variability and asymmetry in adults with neurological disorders. *Archives of Physical Medicine and Rehabilitation*. 2014;95(10):e86.
39. **Plummer P**, Rosenberg A, Eustis HL<sup>†</sup>, Miller J<sup>†</sup>, Osinski A<sup>†</sup>, Jacobs C<sup>†</sup>, Meyer D, Gooch K, Johnston L. Four-year evaluation of a multiple sclerosis educational track for physical therapy students. *International Journal of MS Care*. 2014;16(S3):86-87.
40. Jacobs C<sup>†</sup>, Osinski A<sup>†</sup>, Gooch K, **Plummer P**. What are the educational needs of people with multiple sclerosis shortly after diagnosis? *International Journal of MS Care*. 2014;16(S3):16.
41. Fraas M, Wallace SE, **Plummer P**, Eskes G, Skidmore E. Cognitive-motor interference following stroke: implications for speech-language pathologists. *American Speech-Language-Hearing Association*. Chicago, IL. November 14-16, 2013.
42. Kyvelidou A<sup>†</sup>, Villalobos R, Sternad D, **Plummer-D'Amato P**. Effect of dual-task gait training on obstacle negotiation after stroke: a case study. *Archives of Physical Medicine and Rehabilitation*. 2012;9(10):e34.
43. **Plummer-D'Amato P**, Dowd C<sup>†</sup>, Kinnard K<sup>†</sup>, Villalobos R. Environmental setting influences attention allocation ability during dual-task walking after stroke: a case study. *Archives of Physical Medicine and Rehabilitation*. 2012;93(10):e37.
44. **Plummer-D'Amato P**, Villalobos R, Vayda M, Johnson E, Moser M, Hennessy L, Huebner J, Reinschmidt J, Poulin K, Najafi B. Feasibility of training dual task walking after stroke. *Archives of Physical Medicine and Rehabilitation*. 2011;92(10):1717-1718.
45. Giesser B, Herlihy E, **Plummer-D'Amato P**, West M, Pokras N, Budovitch A, Thomas S, Guttry M, Kenton S, Gold S, Markovic D, Gornbein J, Regnaud JP, Voskuhl R, Dobkin BH. Randomized controlled trial of robotic locomotor training in persons with multiple sclerosis. *European Committee on Treatment & Research in Multiple Sclerosis*. Amsterdam, Netherlands. October 19-22, 2011.
46. **Plummer-D'Amato P**, Altmann LJP, Reilly K. Self-selected walking speed predicts cognitive-motor interference in aging. *16<sup>th</sup> International Congress of the World Confederation of Physical Therapy*. Amsterdam, Netherlands. June 20-23, 2011.
47. Powers M<sup>†</sup>, Stokes A<sup>†</sup>, Vered D<sup>†</sup>, Altmann LJP, Najafi B, **Plummer-D'Amato P**. Effect of cognitive-motor interference and environment on gait in community-dwelling individuals with stroke. *Northeastern University Research and Scholarship Exposition*. Boston, MA. April 6, 2011.
48. Birken S<sup>†</sup>, Bonke C<sup>†</sup>, Furey E<sup>†</sup>, Najafi B, **Plummer-D'Amato, P**. Effect of task difficulty on cognitive-motor interference: A pilot study. *Northeastern University Research and Scholarship Exposition*. Boston, MA. April 6, 2011.
49. **Plummer-D'Amato P**, Dobkin B, SIRROWS Group. Multisite randomized clinical trials for neurorehabilitation: Lessons learned from the international SIRROWS trial. *Archives of Physical Medicine and Rehabilitation*. 2010;91(10):e4.

50. Alicea A<sup>†</sup>, Buehring S<sup>†</sup>, Lacroix W<sup>†</sup>, Quigley K<sup>†</sup>, Tiegen N<sup>†</sup>, Ahl MS, **Plummer-D'Amato P**. Age-related differences in dual task effects of spontaneous speech and executive function on gait speed. *Parkinsonism and Related Disorders*. 2010;16(S1):S54.
51. Dobkin BH, **Plummer-D'Amato P**, Elashoff R, SIRROWS Trialists. A Multi-site Randomized Controlled Trial of Stroke Inpatient Rehabilitation Reinforcement of Walking Speed (SIRROWS). *6<sup>th</sup> World Congress for NeuroRehabilitation*. Vienna, Austria. March 21-25, 2010.
52. Dobkin BH, **Plummer-D'Amato P**. International Stroke Inpatient Rehabilitation Reinforcement of Walking Speed (SIRROWS) Trial. *Archives of Physical Medicine and Rehabilitation*. 2009;90(10):e27.
53. Giesser BG, Herlihy E, **Plummer-D'Amato P**, West M, Thomas S, Budovitch A, Pokras N, Guttry M, Regnaud JP, Voskuhl R, Gold S, Dobkin B. Locomotor training may improve cognitive performance in persons with multiple sclerosis. *Neurology*. 2009;72(11):A405.
54. **Plummer-D'Amato P**, Altmann LJP, Behrman AL, Marsiske M. Dual task effects during swing and stance phases of gait after stroke: a pilot study. *19<sup>th</sup> Conference of the International Society for Posture and Gait Research*. Bologna, Italy. June 21-25, 2009.
55. **Plummer-D'Amato P**, Dobkin BH, Nenov V, World Federation for NeuroRehabilitation. Feasibility of collaborative multi-center trials in neurorehabilitation. *Neurorehabilitation and Neural Repair*. 2008;22(5):627.
56. **Plummer-D'Amato P**, Dobkin BH, Nenov V, World Federation for NeuroRehabilitation. Feasibility of collaborative multi-center trials in neurorehabilitation. *5<sup>th</sup> World Congress for NeuroRehabilitation*. Brasília, Brazil. September 24-27, 2008.
57. Rogalski Y, Altmann LJP, **Plummer-D'Amato P**, Behrman AL, Marsiske M. Discourse coherence and cognition after stroke: a dual task study. *American Speech-Language-Hearing Association*. Chicago IL, USA. November 20-22, 2008.
58. Dobkin BH, Dong Y, Newton J, **Plummer-D'Amato P**, Thomas S, Goldfine A, Woods R. fMRI as a physiological assay of therapy-induced neuroplasticity. *University of California Los Angeles, Neurology Faculty Retreat*. Los Angeles, CA. January 2008.
59. **Plummer-D'Amato P**. Improving rehabilitation outcomes in unilateral neglect. *International Journal of Therapy and Rehabilitation*. 2007;14(4):154.
60. **Plummer-D'Amato P**, Morris ME, Denisenko S. Diagnosing unilateral neglect: hypothesis generation and pattern recognition in physiotherapists' clinical reasoning. *Physiotherapy*. 2007;93(S1):S533.
61. **Plummer-D'Amato P**, Morris ME, Denisenko S, Bilney B. A clinical glossary can improve physiotherapists' characterisation of unilateral neglect. *Physiotherapy*. 2007;93(S1):S667.
62. **Plummer-D'Amato P**, Behrman AL, Saracino D, Martin J, Fox E, Kautz SA, Duncan PW. Functionally significant recovery of walking speed after stroke in patients with moderate and severe impairment. *Stroke*. 2007;38(2):521.
63. **Plummer-D'Amato P**, Nenov V, Dobkin BH, World Federation for NeuroRehabilitation. Establishing a network for conducting multi-center trials of neurorehabilitation interventions. *Archives of Physical Medicine and Rehabilitation*. 2007;88(10):e23.
64. **Plummer-D'Amato P**, Altmann L, Behrman AL, Marsiske M. Cognitive-motor interference during walking after stroke. *18<sup>th</sup> Conference of the International Society for Posture and Gait Research Conference*. Burlington, Vermont, USA. July 14-18, 2007.
65. **Plummer P**, Morris ME, Hurworth RE, Dunai J. How do physiotherapists assess unilateral neglect? *Neurorehabilitation and Neural Repair*. 2006;20(1):181.



66. **Plummer P**, Spigel P, Saracino D, Thigpen M, Behrman AL, Kautz S, Duncan PW. Locomotor training after stroke: effects of stroke severity and training duration. *University of Florida, Neuromuscular Plasticity Symposium*. Gainesville, FL. September 2005.
67. **Plummer P**, Morris ME, Dunai J. The effects of stationary and moving visual cues on line bisection performance in people with unilateral neglect following stroke. *14<sup>th</sup> International Congress of the World Confederation of Physical Therapy*. Barcelona, Spain. June 7-12, 2003.
68. **Plummer P**, Morris ME, Dunai J. How do physiotherapists characterise unilateral neglect? *14<sup>th</sup> International Congress of the World Confederation of Physical Therapy*. Barcelona, Spain. June 7-12, 2003.
69. **Plummer P**, Dunai J, Bennett K. A rightward attentional bias for shifting covert attention in a moving object paradigm. *Australian Journal of Psychology*. 2001;53(supplement):64.

## INVITED PRESENTATIONS

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1. Zukowski LA<sup>†</sup>, Giuliani CA, **Plummer P**. Cognitive load does not impact gaze behavior during walking in a real-world environment in older adult fallers and non-fallers. *Society for Neuroscience*. Chicago, IL. October 19-23, 2019.
2. **Plummer P**. Pharmacological and physical rehabilitation of walking difficulties in multiple sclerosis. *Duke University, Department of Neurology, Duke Center for Research in Autoimmunity and Multiple Sclerosis (DREAMS)*. Durham, NC. September 4, 2018. (Invited)
3. Zukowski LA<sup>†</sup>, Feld JA<sup>†</sup>, Drews A, **Plummer P**. Dual-task speed while performing a visuospatial cognitive task is strongly related to gaze behavior during an obstacle crossing task for community-living individuals post stroke. *Society for Neuroscience*. Washington, DC. November 11-15, 2017.
4. Huryta WW<sup>†</sup>, Reynolds JH<sup>†</sup>, Markovic-Plese S, **Plummer P**. Effect of physical therapy with and without dalfampridine on gait in people with multiple sclerosis. *Human Movement Science and Biomechanics Research Symposium*. Chapel Hill, NC. March 31, 2017.
5. Feld JA<sup>†</sup>, Drews A, **Plummer P**. Visual scanning behavior during attention-demanding tasks while walking in healthy young adults. *Human Movement Science and Biomechanics Research Symposium*. Chapel Hill, NC. March 31, 2017.
6. Zukowski LA<sup>†</sup>, Feld JA<sup>†</sup>, Drews A<sup>†</sup>, Fletcher D<sup>†</sup>, Giuliani CA, **Plummer P**. Physical activity is more strongly related to gait variability while walking in a real-world environment than in a lab-based setting for community-living individuals post stroke. *Society for Neuroscience*. San Diego, CA. November 12-16, 2016.
7. Williams AA<sup>†</sup>, Bohling CJ<sup>†</sup>, Nickles E<sup>†</sup>, Markovic-Plese S, Skeen M, Giesser B, **Plummer P**. Dalfampridine combined with physical therapy may improve treatment effects in dalfampridine non-responders with multiple sclerosis: a case study. *Human Movement Science and Biomechanics Research Symposium*. Chapel Hill, NC. March 31, 2016.
8. **Plummer P**. Influence of cognitive decline on functional outcome after stroke. Presented as part of the invited symposium session 'Assessment of cognition in stroke units.' *International Stroke Conference*. Los Angeles, CA. February 17, 2016. (Invited)
9. Feld J<sup>†</sup>, Zukowski LA<sup>†</sup>, Fletcher D<sup>†</sup>, Guiliani C, **Plummer P**. Dual-task walking strongly related to physical activity in the real world in community-dwelling individuals post-stroke. *48<sup>th</sup> Annual UNC Chapel Hill School of Medicine Student Research Day*. November 30, 2015.
10. Zukowski LA<sup>†</sup>, **Plummer P**. Cognitive performance and gait task difficulty are predictors of stride variability during dual-task walking. *Society for Neuroscience*. Chicago, IL. October 17-21, 2015.

11. **Plummer P**, Apple S<sup>†</sup>, Dowd C<sup>†</sup>, Keith E<sup>†</sup>. Attentional prioritization during texting and walking. *Elon University, Department of Physical Therapy*. September 29, 2015. (Invited)
12. Ballard A<sup>†</sup>, Apple S<sup>†</sup>, Dowd C<sup>†</sup>, Keith E<sup>†</sup>, Grewal G, Najafi B, **Plummer P**. Effect of texting while walking on gait in healthy young adults. *Human Movement Sciences Research Symposium*. Chapel Hill, NC. February 22, 2014.
13. Winstein C, **Plummer P**, Dohle C, Lazar R. Barriers to multisite collaborations: A case for Common Data Elements. *American Society of Neurorehabilitation Annual Meeting*. Washington, DC. November 13, 2014.
14. Winstein C, Eskes G, **Plummer P**, Dobkin B, Dromerick A. ASNR Network for Clinical Projects Panel Discussion. *American Society of Neurorehabilitation Annual Meeting*. San Diego, CA. November 8, 2013.
15. Zhang Z, **Plummer P**, Sternad D. Asymmetry in lower extremity coordination during walking in stroke patients. *Society for Neuroscience*. Program No. 649.20/SS4. 2013 Neuroscience Meeting Planner. San Diego, CA. Society for Neuroscience, 2013. Online.
16. Kyvelidou A<sup>†</sup>, Villalobos R, Sternad D, **Plummer-D'Amato P**. The effect of dual-task gait training on obstacle negotiation after stroke: a case study. *Northeastern University Research, Innovation and Scholarship Exposition*. Boston, MA. March 29, 2012.
17. Laskey S<sup>†</sup>, Rivera P<sup>†</sup>, Tapia R<sup>†</sup>, Kyvelidou A<sup>†</sup>, Sternad D, **Plummer-D'Amato P**. Effect of dual-task gait training on attention allocation after stroke: a case report. *Northeastern University Research, Innovation and Scholarship Exposition*. Boston, MA. March 29, 2012.
18. Brancato B<sup>†</sup>, Dantowitz M<sup>†</sup>, **Plummer-D'Amato P**. Locomotor task difficulty influences dual-task interference. *Northeastern University Research, Innovation and Scholarship Exposition*. Boston, MA. March 29, 2012.
19. **Plummer-D'Amato, P**. Differential diagnosis and rehabilitation management of the adult with right hemispheric dysfunction. *Northern California Kaiser Permanente Rehabilitation Symposium*, Oakland, California, USA. May 16, 2009. (Invited Keynote)
20. Rhodes K<sup>†</sup>, **Plummer-D'Amato P**, Giesser B. Effects of locomotor training and a progressive exercise program on perceived impact of MS using the Multiple Sclerosis Impact Scale. *Rosalind Franklin University of Medicine and Science, 4<sup>th</sup> All School Research Consortium*. North Chicago, IL. March 2009.
21. **Plummer P**, Dunai J, Bennett K. Shifting covert attention within and between objects: A rightward bias in healthy subjects. *Center for Neuropsychological Studies, McKnight Brain Institute, University of Florida*, Gainesville, Florida, USA. March 2006. (Invited)
22. **Plummer P**, Duncan PW, Behrman AL. LEAPS Pilot Study Case Presentation – Training and Clinical Outcomes. University of Florida, *Brooks Center for Rehabilitation Studies, Locomotor Training and Recovery Research Retreat*, Gainesville, Florida, USA. January 2005. **Invited**
23. **Plummer P**, Morris ME, Dunai J. Assessment and characterisation of unilateral neglect: A study of Australian physiotherapists. *Université de Versailles-Saint-Quentin, Service de Rééducation Neurologique, Hôpital Raymond Poincaré*, Garches, France. May 2004.
24. **Plummer P**, Morris ME, Dunai J. The effects of moving visual stimuli on line bisection performance in stroke patients with unilateral neglect. *National Stroke Research Institute*, Melbourne, Australia. March 2003.

## EDUCATIONAL ACTIVITIES

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### COURSES TAUGHT

#### **MGH Institute of Health Professions**, Department of Physical Therapy, Boston, MA

PT 700s Neuroscience, thread instructor	2021-pres
PT 850 Capstone (project advisor)	2020-pres
PT 712 Degenerative Conditions across the Lifespan, lead instructor	2020-2021
PT 603 Fundamentals of Patient/Client Management 3, thread instructor	2020-2021
PT 602 Fundamentals of Patient/Client Management 2, thread instructor	2019-pres
PT 603 Fundamentals of Patient/Client Management 3, co-instructor	2019-2020
PT 712 Degenerative Conditions across the Lifespan, co-instructor	2019-2020
PT 700 Seminar, facilitator	2019
HP 818 IMPACT 1: Interprofessional Practice, co-instructor	2019

#### **The University of North Carolina at Chapel Hill**, Department of Allied Health Sciences, Division of Physical Therapy, Chapel Hill, NC

Research Elective (1-3 credits), Independent study project advisor	2014-2018
MS STEP UP, Director and mentor	2013-2018
Capstone (3 credits), Advisor	2013-2018
Evidence-Based Practice II (4 credits), Course director	2013-2018
PhD Doctoral Seminar (1 credit), Instructor	2013-2015

#### **Northeastern University**, Department of Physical Therapy, Boston, MA

Neurological Rehabilitation II (3 credits), Course director	2008-2013
Neurological Rehabilitation II Lab (1 credit), Course director	2008-2013
Physical Therapy Project I (3 credits), Faculty mentor/Project advisor	2008-2013
Physical Therapy Project II (3 credits), Faculty mentor/Project advisor	2008-2013
Health Care Research (3 credits), Guest lecturer and recitation leader	2008-2012
Neurological Rehabilitation I Lab (1 credit), Lab instructor	2012

#### **University of Florida**, Department of Physical Therapy, Gainesville, FL

Neurological Physical Therapy, Guest lecturer	2004-2005
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#### **La Trobe University**, School of Physiotherapy, Bundoora, Victoria, Australia

Physiotherapy Skills & Anatomy, Instructor	2002-2003
Neurological Physiotherapy, Guest lecturer	2001-2003
Clinical Preparation, Instructor	2000-2003
Professional Practice, Instructor	2000-2003

### EXTERNAL EDUCATIONAL ACTIVITIES

Developing leaders in multiple sclerosis rehabilitation: An innovative training program embedded in entry level DPT education. American Physical Therapy Association Education Leadership Conference. Jacksonville, FL. October 12, 2018.	2018
Dual-task gait training: If, who, when, how? American Physical Therapy Association Combined Sections Meeting Education Session (2-hour course), New Orleans, LA. February 22, 2018.	2018

Multiple sclerosis in the underserved: Updates in symptomology, pharmacology, and practice. Presented: Status of evidence for mobility rehabilitation in MS. American Physical Therapy Association Combined Sections Meeting Education Session (2-hour course), New Orleans, LA. February 22, 2018.	2018
Dual-task interference: Assessment and treatment, New Hanover Hospital, Wilmington, NC (4-hour course). February 27, 2016. <b>(Invited)</b>	2016
Dual-task interference: definition, measurement, and intervention. American Physical Therapy Association Combined Sections Meeting Educational Session (2-hour course), Anaheim, CA. February 19, 2016.	2016
Learn the magic behind successful careers: a course focusing on career development for early career researchers (8-hour course), Orlando, FL. November 13, 2013 (Course organizer/chair).	2013
Minimizing on-ice penalties during your early career face-off: a course on grantsmanship and career development for early career researchers (8-hour course), Vancouver, Canada. October 10, 2012 (Course organizer/chair).	2012
Evidence-based practice: key concepts for physical therapists, Spaulding Wellesley Outpatient Physical Therapy Department (1 hour course), Wellesley, MA. June 13, 2012. <b>(Invited)</b>	2012
Cognitive-motor interference during walking after stroke, New England Rehabilitation Hospital, Woburn, MA (1-hour course). November 23, 2009. <b>(Invited)</b>	2009

## MENTORING

### Postdoctoral Scholars

Megan Schliep, PhD, CCC-SLP, MPH; MGH Institute of Health Professions Current position: Assistant Professor, MGH Institute of Health Professions	2020-2021
Lisa Zukowski, PhD; University of North Carolina at Chapel Hill Current position: Assistant Professor, High Point University	2014-2017
Gozde Iyigun, PhD, MSc, BSc, Visiting Scholar; University of North Carolina at Chapel Hill Current position: Associate Professor, Eastern Mediterranean University	2016-2017
Anastasia Kyvelidou, PhD; Northeastern University Current position: Assistant Professor, Creighton University	2012-2013

### PhD Candidates (Primary Scientific Advisor)

Ehsan Sinaei, PT, PhD in Rehabilitation Sciences MGH Institute of Health Professions, Boston	2022-pres
Lina Jallad, OT, PhD in Rehabilitation Sciences MGH Institute of Health Professions, Boston	2021-pres
Jody Feld, PT, DPT, NCS, Human Movement Sciences Curriculum University of North Carolina at Chapel Hill Current position: Assistant Professor, Duke University	2015-2019

### **PhD Dissertation Committees**

Derek Liuzzo, Exercise Science-Rehabilitation Science University of South Carolina	2015-2017
Robert Lynall, Human Movement Sciences Curriculum University of North Carolina at Chapel Hill	2014-2016

### **PhD Academic Advising and Qualifying Committees**

Tabitha Kao, Academic Advisor PhD in Rehabilitation Sciences, MGH Institute of Health Professions	2021-pres
Kristin Nunn, Qualifying Exam Committee PhD in Rehabilitation Sciences, MGH Institute of Health Professions	2021
Victoria Bolowksy, Qualifying Exam Committee PhD in Rehabilitation Sciences, MGH Institute of Health Professions	2021

### **Masters Committees**

Rhiannon Smith, Speech-Language Pathology MGH Institute of Health Professions	2021-2022
Rob Cavanaugh, Speech-Language Pathology, University of North Carolina at Chapel Hill,	2014-2015

### **Faculty Mentoring**

Megan Schliep, PhD, CCC-SLP, MPH; MGH Institute of Health Professions Assistant Professor Role: K23 mentor (pending), faculty mentor	2021-pres
Donna Applebaum, PT, DPT, MS Assistant Professor, Director of Clinical Education Role: Scholarship mentor	2021-pres
Monica Arrigo, PT, DPT Instructor Role: Scholarship mentor	2021-pres
Caitlin Fitzgerald, PT, DPT Assistant Professor, Associate Director of Clinical Education Role: Scholarship mentor	2021-pres
Rania Karim, PT, DPT Assistant Professor Role: Scholarship mentor	2021-pres
Maninder Kaur, PhD, PT Instructor Role: Scholarship mentor	2021-pres
Perman Gochyyev, PhD, MGH Institute of Health Professions Assistant Professor Role: Onboarding faculty mentor	2020-2021

### **DPT Capstone Project Mentor**

#### ***MGH Institute of Health Professions, Boston, MA***

Project: Rehabilitation efficacy in different multiple sclerosis phenotypes	2021-2022
Students: Allison Lebwith, Toni Kane, Andrew Marzan, Nicole Strong	

Project:	Prediction of falls after stroke	2021-2022
Students:	JiSu Lim, Aileen Reginaldo, Erika Thorne	
Project:	Assessing visual attention during distracted walking: questions, instrumentation, and methodology	2020-2021
Students:	Alexander Chau, Brandon Hong, Melissa Gordon-Wollin	
Project:	Therapeutic effects of physical therapy in relapsing-remitting and progressive multiple sclerosis	2020-2021
Students:	Charlotte Bleiler, Danielle Muniz, Vuong Tran	

***University of North Carolina at Chapel Hill, Chapel Hill, NC***

Project:	Treatment options for walking difficulties in MS: patient and provider perspectives	2017-2018
Students:	Jessica Anderson, Andrea Stewart	
Project:	Combining dalfampridine and physical therapy for gait rehabilitation in multiple sclerosis: pilot study	2015-2017
Students:	Corinne Bohling, Ellese Nickles, Alexis Williams (2016-2017) Jessica Hancox, Whitney Wilson (2015-2016)	
Project:	Effects of an 8-week self-efficacy plus exercise intervention on physical activity, quality of life, and fatigue in an individual with progressive MS	2014-2015
Student:	Heather Eustis	
Project:	Testing the feasibility of an online wellness program for individuals with MS	2014-2015
Student:	Joseph Miller	
Project:	Wellness for people with multiple sclerosis	2013-2014
Students:	Catherine Jacobs, Audrey Osinski	

***Northeastern University, Boston, MA***

Project:	Texting and walking: effects of task prioritization and environmental setting on dual-task interference	2012-2013
Students:	Sarah Apple, Colleen Dowd, Eliza Keith	
Project:	Effects of task difficulty on cognitive-motor interference	2011-2012
Students:	Briana Brancato, Mallory Dantowitz	
Project:	Training dual-task walking after stroke	2011-2012
Students:	Sarah Laskey, Patrick Rivera, Ramon Tapia	
Project:	Effect of cognitive-motor interference and environment on participation in community-dwelling individuals with stroke	2010-2011
Students:	Madeline Powers, Amy Stokes, Dana Vered	
Project:	Effects of task difficulty on cognitive-motor interference	2010-2011
Students:	Stephanie Birken, Christina Bonke, Erin Furey	

Project:	Pilot study of dual task gait training after stroke	2009-2010
Students:	Laura Hennessy, Joy Huebner, Jacqueline Reinschmidt	
Project:	Dual task gait training in community-dwelling older adults	2009-2010
Students:	Zachary Cohen, Nadia Dae, Sarah Lawson, Marissa Lizotte, Anna Padilla	
Project:	Cognitive-motor interference during gait in community-dwelling individuals with stroke	2009-2010
Student:	Brendan Strem	
Project:	Cognitive-motor interference during walking after stroke: a longitudinal investigation	2009-2010
Student:	Jared Lewis	
Project:	Interactions between cognitive processes and gait in older adults	2008-2009
Students:	Alexandra Alicea, Steven Buehring, Whitney Lacroix, Kaitlyn Quigley, Nichole Tiegen	

### Research Internship Supervisor

Kristen Rhodes, University of California Los Angeles	2008
Daniel Kozman, University of California Los Angeles	2007
Henrik Ullman, University of California Los Angeles	2007
Diana Mok, University of California Los Angeles	2006
Jennifer Corso, University of Florida	2005

### Multiple Sclerosis Scholar Advising (*University of North Carolina at Chapel Hill*)

[Prue Plummer was program director of the Multiple Sclerosis Scholarship and Learning Track at UNC 2013-2019]

Amy Collins, Amelia Cain	2018-2019
Spencer Edgerton, Elise Widman	2017-2019
Jessica Anderson, Andrea Stewart	2016-2018
Jessica Hancox, Whitney Wilson	2015-2017
Corinne Bohling, Alexis Williams	2014-2016
Heather Eustis, Joseph Miller	2013-2015
Catherine Jacobs, Audrey Osinski	2013-2014

### PROFESSIONAL DEVELOPMENT

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Immunology, HMX Fundamentals, Harvard Medical School Fundamentals, Boston, MA (online, 10 weeks)	2021
Comprehensive Meta-Analysis, 1-week course, Michael Borenstein, San Francisco, CA	2015
Training in Grantsmanship for Rehabilitation Research (TIGRR), Intensive Grant Writing Workshop (1 week), Charleston, SC	2014
INLS 151 – Retrieving and Analyzing Information, School of Information and Library Science, University of North Carolina at Chapel Hill, Fall 2014	2014
Running Regression and ANCOVA in SPSS GLM, online workshop (5 hours), Dr. Karen Grace-Martin, The Analysis Factor	2012

Interpreting Regression Coefficients, Online Workshop (6 hours), Dr. Karen Grace-Martin, The Analysis Factor	2012
Aiming for Success! A Writing Workshop for Researchers, Tufts Clinical and Translational Science Institute	2011
Analyzing Repeated Measures Data, Online Workshop (9 hours), Dr. Karen Grace-Martin, The Analysis Factor	2011
Surviving the Great Grant Crunch: How to Thrive in the Midst of the Worst Funding Environment in Years, Teleseminar (1 hour), Dr. Morgan Giddings	2010
Assumptions of the General Linear Model and How to Check Them, Online Workshop (4 hours), Dr. Karen Grace-Martin, The Analysis Factor	2010
Survival Analysis, Online Webinar (1 hour), Dr. Karen Grace-Martin, The Analysis Factor	2010
Running Regressions and ANOVAs in SPSS GLM, Online Workshop (3 hours), Dr. Karen Grace-Martin, The Analysis Factor	2010
Calculating Power and Sample Size, Online Workshop (3 hours), Dr. Karen Grace-Martin, The Analysis Factor	2010
Missing Data: Dealing with Missing Data without Biasing your Results, Online Workshop (6 hours), Dr. Karen Grace-Martin, The Analysis Factor	2010
A Review of Logarithms for the Data Analyst, Webinar (1 hour), Dr. Karen Grace-Martin, The Analysis Factor	2010
Enhancing Rehabilitation Research in the South (ERRIS) Intensive Grant Writing Workshop (1 week), Charlottesville, VA	2010
Running Regression and ANOVA in SPSS, Online Workshop (3 hours), Dr. Karen Grace-Martin, The Analysis Factor	2009
Running Repeated Measures as a Mixed Model, Webinar (1 hour), Dr. Karen Grace-Martin, The Analysis Factor	2009
Responsible Conduct of Research: Plagiarism and Authorship, University of California Los Angeles	2008
Biostatistics 100B, University of California Los Angeles, Winter, 2008	2008
Biostatistics 200A, University of California Los Angeles, Fall 2007	2007
NIH Grant Preparation (K30 Graduate Training Program Module), University of California Los Angeles	2007
Brain Mapping for Translational Investigators (K30 Graduate Training Program Module), University of California Los Angeles	2007
Interactive Online NIH Grant Writing Training Course, Science Outreach Center, National Institute of General Medical Sciences	2007

## **PROFESSIONAL SERVICE**

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### **SERVICE TO THE DISCIPLINE / PROFESSION**

#### **National Committees**

Member, Healthcare Provider Council, National Multiple Sclerosis Society, Northeast Chapter	2021-pres
Chair, Clinical Research Network Committee, American Society of Neurorehabilitation	2018-pres
Chair, Healthcare Provider Council, National Multiple Sclerosis Society, Greater Carolinas Chapter	2019-2020
Chair, Workforce Development Committee,	2015-2020



National Multiple Sclerosis Society, Greater Carolinas Chapter Member, Healthcare Provider Council,	2015-2019
National Multiple Sclerosis Society, Greater Carolinas Chapter Member, Clinical Research Network Committee,	2010-2018
American Society of Neurorehabilitation Member, Early Career Course Planning Task Force,	2009-2016
American Congress of Rehabilitation Medicine Member, American Congress of Rehabilitation Medicine, Stroke Networking Group	2010-2015
Cognition Task Force (task force discontinued in 2015) Member, American Society of Neurorehabilitation	2014
Clinical Research Network Review Board Chair, Early Career Committee, American Congress of Rehabilitation Medicine	2011-2013
Member, Nominating Committee, American Society of Neurorehabilitation	2010-2013

### **Editorial Board Member / Editor**

Frontiers in Rehabilitation Sciences, Associate Editor, Interventions for Rehabilitation	2022-pres
Journal of Physiotherapy, Critically Appraised Paper Editor	2014-pres
Gerontology, Editorial Board	2012-pres
International Journal of Therapy and Rehabilitation, Editorial Board	2007-pres

### **Ad hoc Reviewer for Professional Journals (selected)**

Annals of Physical and Rehabilitation Medicine  
Archives of Physical Medicine and Rehabilitation  
Brain Research  
Clinical Biomechanics  
CNS Drugs  
Complementary Therapies in Clinical Practice  
Experimental Brain Research  
Frontiers in Human Neuroscience  
Gait & Posture  
Gerontology  
International Journal of Therapy and Rehabilitation  
Journal of Aging and Physical Activity  
Journal of Applied Biomechanics  
Journal of Biomechanics  
Journal of Motor Behavior  
Journal of Physiotherapy  
Journal of Rehabilitation Medicine  
Medicine & Science in Sports & Exercise  
Neuroscience and Biobehavioral Reviews  
Neurorehabilitation and Neural Repair  
Physical Therapy  
Physiotherapy Theory and Practice  
PLoS One  
Scientific Reports

### **External Thesis Examiner, Tenure/Promotion Evaluations**

University of Haifa, Israel (Promotion)	2022
University of Melbourne, Victoria, Australia (Promotion)	2020
University of Buffalo, New York, USA (Promotion with tenure)	2018
University of Melbourne, Victoria, Australia (PhD Thesis Examiner)	2007

## **SERVICE TO THE INSTITUTION**

### **Department**

Research Mentor, Department of Physical Therapy, MGH Institute of Health Professions	2021-pres
Member, Admissions Committee, Department of Physical Therapy, MGH Institute of Health Professions	2019-pres
Interim Chair, Admissions Committee, Department of Physical Therapy, MGH Institute of Health Professions	2021
Member, Research Committee, Department of Physical Therapy, MGH Institute of Health Professions	2019-2020
Chair, Education Committee, Human Movement Sciences Curriculum PhD Program, University of North Carolina at Chapel Hill	2018-2019
Reviewer, Ambassador Awards, Department of Allied Health Sciences, University of North Carolina at Chapel Hill	2017-2019
Member, Admissions Committee, Division of Physical Therapy, University of North Carolina at Chapel Hill	2013-2019
Chair, Search Committee, Division of Physical Therapy, University of North Carolina at Chapel Hill	2016-2018
Member, Education Committee, Human Movement Sciences Curriculum PhD Program, University of North Carolina at Chapel Hill	2016-2018
Reviewer, Graduate School Summer Research Fellowships, University of North Carolina at Chapel Hill	2018
Member, Search Committee (Grants and Contracts Manager), Department of Allied Health Sciences, University of North Carolina at Chapel Hill	2014
Member, Academic Standing Committee, Department of Physical Therapy, Northeastern University	2012-2013
Member, Research Committee, Department of Physical Therapy, Northeastern University	2008-2013
Member, Faculty Search Committee, Department of Physical Therapy, Northeastern University	2010-2012
Co-Chair, Research Committee, Department of Physical Therapy, Northeastern University	2010-2012
Member, Search Committee for Assoc/Full Professor in Movement Neuroscience, Departments of Biology and Physical Therapy, Northeastern University	2009-2010

### **College/School**

Member, Executive Committee, PhD in Rehabilitation Sciences, MGH Institute of Health Professions	2020-pres
Reviewer, Impact Practice Center Innovation Grants, MGH Institute of Health Professions	2022
Member, New Initiatives Committee, MGH Institute of Health Professions	2021
Reviewer, COVID-19 grants, MGH Institute of Health Professions	2020
Member, New Project Team, Digital Measure-Activity Insight, Bouvé College of Health Sciences, Northeastern University	2011-2013
Ad hoc member, Interdisciplinary Committee, Bouvé College of Health Sciences, Northeastern University	2010-2011
Event Organizer, Interdisciplinary Colloquium, Bouvé College of Health Sciences, Northeastern University	2009
Member (postgraduate student representative), Human Research Ethics Committee, Faculty of Health Sciences, La Trobe University	2000-2003

## **OTHER PROFESSIONAL SERVICE**

### **Grant Review Panels**

Ad hoc reviewer, National Institutes of Health (NIH), Musculoskeletal Rehabilitation Sciences (MRS) Study Section	2022-pres 2017-2020
Reviewer (standing member), National Multiple Sclerosis Society, Committee D (research grant program ceased during 2020-2021 pandemic)	
Reviewer, Biomedicine and Life Sciences, Israel Science Foundation	2022
Ad hoc member, Department of Veterans Affairs, Rehabilitation Research and Development Scientific Merit Review, Brain Injury: TBI and Stroke panel	2021-2022
Reviewer, National Institutes of Health (NIH), F02B-E study section (NRSA F30, F31, F32 fellowships)	2021
Ad hoc member, Department of Veterans Affairs, Rehabilitation Research and Development Scientific Merit Review, Brain Injury: TBI and Stroke panel	2017-2018
Ad hoc reviewer, National Multiple Sclerosis Society, Committee C	2018-2022
Ad hoc reviewer, Natural Sciences and Engineering Research Council of Canada (NSERC), Discovery Grants	2017
Reviewer, Department of Defense Congressionally Directed Medical Research Programs (CDMRP), various program panels for multiple sclerosis research	2015-2018
Ad hoc reviewer, National Institutes of Health (NIH), Motor Function and Speech Rehabilitation (MFSR) Study Section	2015
Reviewer, National Institute on Disability and Rehabilitation Research (NIDRR)	2015
Ad hoc member, Department of Veterans Affairs, Rehabilitation Research and Development Scientific Merit Review, Brain Injury: TBI and Stroke panel	2010-2015
Reviewer, National Institute on Disability and Rehabilitation Research (NIDRR)	2014
Reviewer, Department of Veterans Affairs, RR&D Small Projects in Rehabilitation Research (SPiRE) Award	2013
Reviewer, National Institute on Disability and Rehabilitation Research (NIDRR)	2012
Reviewer, US Army Medical Research and Materiel Command (USAMRMC)	2011

### **Site Visit Reviewer**

National Institute on Disability and Rehabilitation Research (NIDRR)	2014
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### **Advisory Boards / Consulting**

Helius Medical Technologies, MS Scientific Steering Committee	2020-2021
Nymbi Science, In., Advisory Board	2019-2020
Acorda Therapeutics, Inc., Physical Therapy in Post Stroke Advisory Board	2015
Manuscript consultant, Movement and Perception Laboratory, Institute of Cognitive Neuroscience, University of the Mediterranean, Marseille, France	2004-2005