

PRUDENCE PLUMMER, Ph.D.

Assistant Professor
Division of Physical Therapy
The University of North Carolina at Chapel Hill
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EDUCATION / TRAINING

Postdoctoral training	University of California Los Angeles , Dept of Neurology <i>Mentor:</i> Bruce H. Dobkin, MD	2006-2008
Postdoctoral training	University of Florida , Brooks Center for Rehabilitation Studies <i>Mentors:</i> Andrea L. Behrman, PhD; Pamela W. Duncan, PhD	2004-2006
Ph.D.	La Trobe University , School of Physiotherapy <i>Thesis:</i> Physiotherapy assessment of unilateral neglect: psychometric testing and clinical decision making <i>Supervisors:</i> Meg E. Morris, PhD; Judith Dunai, PhD	2000-2004
Grad. Certificate	Swinburne University of Technology , Health Statistics	2000
BPhysio (Honors)	La Trobe University , School of Physiotherapy <i>Thesis:</i> Effect of direction of covert attentional shift of speed of response to visual stimuli within perceived three-dimensional moving objects <i>Supervisors:</i> Judith Dunai, PhD; Kerry Bennett, PhD	1996-2000

PROFESSIONAL EXPERIENCE

2013-pres	Assistant Professor , Division of Physical Therapy, The University of North Carolina at Chapel Hill
2008-2013	Assistant Professor , Dept of Physical Therapy, Northeastern University
2006-2009	Study Coordinator , SIRROWS, University of California Los Angeles
2006-2008	Postdoctoral scholar , Dept of Neurology, University of California Los Angeles
2004-2006	Postdoctoral scholar , Brooks Center for Rehabilitation Studies, University of Florida
2003-2004	Postdoctoral Research Assistant , National Stroke Research Institute, Australia
2003	Research Assistant / Physiotherapist (adult cerebral palsy), La Trobe University
2003	Research Assistant / Physiotherapist (stroke balance and falls), La Trobe University
2000-2003	Instructor (sessional), School of Physiotherapy, La Trobe University

SCHOLARLY CONTRIBUTIONS

REFEREED PUBLICATIONS

[[§]denotes significant contribution when not first or senior author; [†]denotes student author mentored by PPD]

1. **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.
2. **Plummer-D'Amato P**, Kyvelidou A[†], 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.
3. **Plummer-D'Amato P**, Brancato B[†], Dantowitz M[†], Birken S[†], Bonke C[†], Furey E[†]. 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.
4. **Plummer-D'Amato P**, Shea G[†], Dowd C[†]. Motor versus cognitive dual-task effects on obstacle negotiation in older adults. *International Journal of Therapy and Rehabilitation*. 2012;19(4):200-207.
5. **Plummer-D'Amato P**, Cohen Z[†], Dae NA[†], Lawson SE[†], Lizotte MR[†], Padilla A[†]. Effects of once weekly dual-task training in older adults: a pilot randomized controlled trial. *Geriatrics and Gerontology International*. 2012;12:622-629.
6. **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.
7. **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.
8. **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):542-9.
9. Rogalski Y, Altmann LJP, **Plummer-D'Amato P**[§], Behrman AL, Marsiske M. Discourse coherence and cognition after stroke: A dual task study. *Journal of Communication Disorders*. 2010;43:212-224.
10. Dobkin BH, **Plummer-D'Amato P**[§], 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.
11. Tabak R[†], **Plummer-D'Amato P**. Bilateral movement therapy post stroke: underlying mechanisms and review. *International Journal of Therapy and Rehabilitation*. 2010;17(1):15-21.
12. Cumming T, **Plummer-D'Amato P**[§], Linden T, Bernhardt J. Hemispatial neglect and rehabilitation in acute stroke. *Archives of Physical Medicine and Rehabilitation*. 2009;90(11):1931-1936.
13. Canavan P, Cahalin L, Harris M, Lowe S, Fitzpatrick D, **Plummer-D'Amato P**[§]. 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. **Invited**
14. 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.
15. **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.
 16. **Plummer-D'Amato P**. Focus group methodology (part two): considerations for analysis. *International Journal of Therapy and Rehabilitation*. 2008;15(3):123-129.
 17. **Plummer-D'Amato P**. Focus group methodology (part one): considerations for design. *International Journal of Therapy and Rehabilitation*. 2008;15(2):69-73.
 18. **Plummer P**, Behrman AL, Duncan PW, Spiegel 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.
 19. Martin J, **Plummer P**, Bowden M, Fulk G, Behrman A. Body weight support systems: considerations for clinicians. *Physical Therapy Reviews*. 2006;11:143-152.
 20. **Plummer P**, Morris ME, Hurworth RE, Dunai J. Characterisation of unilateral neglect by physiotherapists. *Disability and Rehabilitation*. 2006;28(9):571-577.
 21. **Plummer P**, Morris ME, Hurworth RE, Dunai J. Physiotherapy assessment of unilateral neglect: Insight into procedures and clinical reasoning. *Physiotherapy*. 2006;92:103-109.
 22. **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.
 23. **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.
 24. **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.
 25. 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.
 26. **Plummer P**, Morris ME, Dunai J. Assessment of unilateral neglect. *Physical Therapy*. 2003;83:732-740.
 27. **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.

EDITORIALS / COMMENTARIES

1. **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.
2. **Plummer-D'Amato P**. Invited commentary on Emotional support for stroke survivors: Share Your Story group. *International Journal of Therapy and Rehabilitation*. 2009;16(10):570-571.
3. **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.

4. Behrman, AL, **Plummer-D'Amato P.** "What's in a name?" Revisited. *Physical Therapy*. 2008;88(1):6-9.
5. **Plummer-D'Amato P.** Improving rehabilitation outcomes in unilateral neglect. *International Journal of Therapy and Rehabilitation*. 2007;14(4):154.

PUBLISHED ABSTRACTS

[[†] denotes student author mentored by PPD; underline denotes senior author]

1. Kyvelidou A[†], 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;93(10):e34.
2. **Plummer-D'Amato P**, Dowd C[†], Kinnard K[†], 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.
3. **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.
4. **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.
5. Alicea A[†], Buehring S[†], Lacroix W[†], Quigley K[†], Tiegen N[†], 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(Supplement 1):S54.
6. 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.
7. 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.
8. **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.
9. **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.
10. **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.
11. **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.
12. **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.

13. **Plummer P**, Morris ME, Hurworth RE, Dunai J. How do physiotherapists assess unilateral neglect? *Neurorehabilitation and Neural Repair*. 2006;20(1):181.
14. **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.

GRANTS

EXTRAMURAL

Funded

11SDG7270001 American Heart Association (Plummer-D' Amato) 07/01/2011-06/30/2015
 Scientist Development Grant
 Training dual-task walking after stroke: effects on attentional and locomotor control
 The goal of this project is to compare the effects of single-task and dual-task gait training on attention allocation and locomotor performance during dual task walking and obstacle negotiation in community-dwelling stroke survivors.
 Role: Principal Investigator
 \$308,000

INTRAMURAL

Funded

Undergraduate Research Program Grant (Faculty mentor: Plummer-D' Amato) 2011-2012
 Northeastern University
 Comparison of dual-task and single-task gait training after stroke: a case series
 Role: Principal Investigator, Faculty mentor
 \$1100

Undergraduate Research Program Grant (Faculty mentor: Plummer-D' Amato) 2010-2011
 Northeastern University
 Assessing the effects of dual task gait training on community participation after stroke
 Role: Principal Investigator, Faculty mentor
 \$2000

Undergraduate Research Program Grant (Faculty mentor: Plummer-D' Amato) 2010-2011
 Northeastern University
 Effect of cognitive-motor interference and environment on participation in community-dwelling individuals with stroke
 Role: Principal Investigator, Faculty mentor
 \$2572

Undergraduate Research Program Grant (Faculty mentor: Plummer-D' Amato) 2010-2011
 Northeastern University
 Effects of task difficulty on cognitive-motor interference
 Role: Principal Investigator, Faculty mentor
 \$2775

<p>Kenerson Faculty Scholarship Award (Plummer-D' Amato) Bouvé College of Health Sciences, Northeastern University Pilot study of dual-task gait training after stroke Role: Principal Investigator \$3000</p>	<p>2010-2011</p>
<p>Undergraduate Research Program Grant (Faculty mentor: Plummer-D' Amato) Northeastern University Evaluation of cognitive-motor interference in community-dwelling individuals with stroke Role: Principal Investigator, Faculty mentor \$1662</p>	<p>2010</p>
<p>Undergraduate Research Program Grant (Faculty mentor: Plummer-D' Amato) Northeastern University Dual task training in older adults Role: Principal Investigator, Faculty mentor \$1615</p>	<p>2010</p>
<p>Undergraduate Research Program Grant (Faculty mentor: Plummer-D' Amato) Northeastern University Pilot study of dual task gait training after stroke Role: Principal Investigator, Faculty mentor \$1000</p>	<p>2009-2010</p>
<p>Proposal Development Grant (Plummer-D' Amato) Northeastern University, Bouvé College of Health Sciences Cognitive-motor interference during gait in community-dwelling individuals with stroke Role: Principal Investigator \$5000</p>	<p>2009-2010</p>
<p>Undergraduate Research Program Grant (Faculty mentor: Plummer-D' Amato) 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 \$1000</p>	<p>2009-2010</p>
<p>Undergraduate Research Program Grant (Faculty mentor: Plummer-D' Amato) Northeastern University Interactions between cognitive processes and gait in healthy young and older adults Role: Principal Investigator, Faculty mentor \$1635</p>	<p>2008-2009</p>
<p>Postgraduate Support Grant (Plummer-D' Amato) 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 \$417</p>	<p>2002</p>

- Postgraduate Support Grant** (Plummer-D' Amato) 2001
 La Trobe University, Faculty of Health Sciences
 Physiotherapy assessment of unilateral neglect following stroke: identifying the processes
 Role: Principal Investigator
 \$492
- 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
 \$10,000
- Postgraduate Support Grant** (Plummer-D' Amato) 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
 \$500
- Publication Grant** (Plummer-D' Amato) 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
 \$430

SCIENTIFIC AND PROFESSIONAL PRESENTATIONS

INTERNATIONAL CONFERENCE PRESENTATIONS / PROCEEDINGS

[[†]denotes student author mentored by PPD; underline denotes senior author]

1. Zhaoran Zhang, **Plummer P**, Sternad D. Asymmetry in lower extremity coordination during walking in stroke patients. Program No. 649.20/SS4. 2013 Neuroscience Meeting Planner. San Diego, CA. Society for Neuroscience, 2013. Online.
2. Giesser B, Herlihy E, **Plummer-D'Amato P**, West M, Pokras N, Budovitch A, Thomas S, Guttery 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.
3. **Plummer-D'Amato P**, Altmann LJP, Reilly K. Self-selected walking speed predicts cognitive-motor interference in aging. *16th International Congress of the World Confederation of Physical Therapy*. Amsterdam, Netherlands. June 20-23, 2011. **Research report platform presentation.**
4. 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). *6th World Congress for NeuroRehabilitation*. Vienna, Austria. March 21-25, 2010.
5. Alicea A[†], Buehring S[†], Lacroix W[†], Quigley K[†], Tieggen N[†], Ahl MS, **Plummer-D'Amato P**. Age-related differences in dual task effects of spontaneous speech and executive function on gait speed. *3rd International Congress on Gait and Mental Function*. Washington, DC. February 26-28, 2010.

6. **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. *Proceedings of the 19th Conference of the International Society for Posture and Gait Research*. Bologna, Italy. June 21-25, 2009.
7. **Plummer-D'Amato P**, Dobkin BH, Nenov V, World Federation for NeuroRehabilitation. Feasibility of collaborative multi-center trials in neurorehabilitation. *5th World Congress for NeuroRehabilitation*. Brasília, Brazil. September 24-27, 2008.
8. **Plummer-D'Amato P**, Altmann L, Behrman AL, Marsiske M. Cognitive-motor interference during walking after stroke. *Proceedings of the 18th Conference of the International Society for Posture and Gait Research Conference*. Burlington, Vermont, USA. July 14-18, 2007.
9. **Plummer-D'Amato P**, Morris ME, Denisenko S. Diagnosing unilateral neglect: hypothesis generation and pattern recognition in physiotherapists' clinical reasoning. *15th International Congress of the World Confederation of Physical Therapy*. Vancouver, Canada. June 2-6, 2007. **Research report platform presentation.**
10. **Plummer-D'Amato P**, Morris ME, Denisenko S, Bilney B. A clinical glossary can improve physiotherapists' characterisation of unilateral neglect. *15th International Congress of the World Confederation of Physical Therapy*. Vancouver, Canada. June 2-6, 2007. **Special Interest platform presentation.**
11. **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. Poster presentation, *2007 International Stroke Conference*. San Francisco, California, USA. February 7-9, 2007.
12. **Plummer P**, Morris ME, Hurworth RE, Dunai J. How do physiotherapists assess unilateral neglect? Poster presentation, *4th World Congress for NeuroRehabilitation*. Hong Kong. February 12-16, 2006. **Commendation for Young Investigator Best Poster Presentation.**
13. **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. *14th International Congress of the World Confederation of Physical Therapy*. Barcelona, Spain. June 7-12, 2003. **Research report platform presentation.**
14. **Plummer P**, Morris ME, Dunai J. How do physiotherapists characterise unilateral neglect? *14th International Congress of the World Confederation of Physical Therapy*. Barcelona, Spain. June 7-12, 2003. **Research report platform presentation.**

NATIONAL CONFERENCE PRESENTATIONS / PROCEEDINGS

[[†]denotes student author mentored by PPD; underline denotes senior author]

1. 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.
2. Kyvelidou A[†], Villalobos R, Sternad D, **Plummer-D'Amato P**. Effect of dual-task gait training on obstacle negotiation after stroke: a case study. *2012 American Congress of Rehabilitation Medicine & American Society for Neurorehabilitation Joint Conference*. Vancouver, British Columbia, Canada. October 11-13, 2012.
3. **Plummer-D'Amato P**, Dowd C[†], Kinnard K[†], Villalobos R. Environmental setting influences attention allocation ability during dual-task walking after stroke: a case study. *2012 American Congress of Rehabilitation Medicine & American Society for Neurorehabilitation Joint Conference*. Vancouver, British Columbia, Canada. October 11-13, 2012.

4. **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. *2011 American Congress of Rehabilitation Medicine & American Society for Neurorehabilitation Joint Conference*. Atlanta, Georgia. October 12-15, 2011.
5. **Plummer-D'Amato P**, Dobkin B, SIRROWS Group. Multisite randomized clinical trials for neurorehabilitation: Lessons learned from the international SIRROWS trial. *2010 American Congress of Rehabilitation Medicine & American Society of Neurorehabilitation Joint Conference*. Montreal, Quebec, Canada. October 20-23, 2010. **Research report platform presentation.**
6. **Plummer-D'Amato P**, Dobkin BH, Elashoff R, SIRROWS Trialists. International Stroke Inpatient Rehabilitation Reinforcement of Walking Speed (SIRROWS). *2009 American Congress of Rehabilitation Medicine & American Society of Neurorehabilitation Joint Conference*. Denver, CO, USA. October 7-11, 2009.
7. Geisser 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. *American Academy of Neurology*. Seattle WA, USA. April 25-May 2, 2009.
8. 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.
9. **Plummer-D'Amato P**, Nenov V, Dobkin BH, World Federation for NeuroRehabilitation. Establishing a network for conducting multi-center trials of neurorehabilitation interventions. Poster presentation, *2007 American Congress of Rehabilitation Medicine & American Society of Neurorehabilitation Joint Conference*. Washington DC, USA. October 2-7, 2007.
10. **Plummer P**, Dunai J, Bennett K. A rightward attentional bias for shifting covert attention in a moving object paradigm. *28th Annual Australasia Experimental Psychology Conference*. Melbourne, Australia. April 20-22, 2001. **Research report platform presentation.**

REGIONAL CONFERENCE PRESENTATIONS / PROCEEDINGS

[[†]denotes student author mentored by PP; underline denotes senior author]

1. Kyvelidou A[†], 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.
2. Laskey S[†], Rivera P[†], Tapia R[†], Kyvelidou A[†], 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.
3. Brancato B[†], Dantowitz M[†], **Plummer-D'Amato P**. Locomotor task difficulty influences dual-task interference. *Northeastern University Research, Innovation and Scholarship Exposition*. Boston, MA. March 29, 2012.
4. Powers M[†], Stokes A[†], Vered D[†], 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.
5. Birken S[†], Bonke C[†], Furey E[†], 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.

6. Rhodes K[†], **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, 4th All School Research Consortium*. March 2009.
7. 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*. January 2008.
8. **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*. September 2005.

INVITED / PROFESSIONAL PRESENTATIONS

1. Differential Diagnosis and Rehabilitation Management of the Adult with Right Hemispheric Dysfunction. Northern California Kaiser Permanente Rehabilitation Symposium, Oakland, California, USA. May, 2009. **Invited Keynote**
2. 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**
3. 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**
4. 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.
5. The effects of moving visual stimuli on line bisection performance in stroke patients with unilateral neglect. National Stroke Research Institute, Melbourne, Australia. March 2003.

TEACHING EXPERIENCE

The University of North Carolina at Chapel Hill

2013-pre	Evidence-Based Practice 2 (course coordinator)
2014-pres	HMSC Spring Seminar (instructor)
2104-pres	Capstone (advisor)

Northeastern University, Department of Physical Therapy, Boston, MA

2012	Neurological Rehabilitation 1 Lab (lab instructor)
2010-2013	Neurological Rehabilitation 2 (course coordinator)
2010-2013	Neurological Rehabilitation 2 Lab (course coordinator)
2009-2012	Neurological Management I (guest lecturer: gait disorders in neurological populations)
2009	Neurological Management II (instructor)
2009	Neurological Management II Lab (instructor)
2008-2010	Health Care Research (recitation leader)
2008-2010	Health Care Research (guest lecturer: Evidence-based practice and systematic reviews; Statistical power)

University of Florida, Department of Physical Therapy, FL

2004-2005 Neurological Physical Therapy (guest lecturer: Locomotor Training following Stroke)

La Trobe University, School of Physiotherapy, Victoria, Australia

2000-2003 Clinical Preparation

2002-2003 Physiotherapy Skills & Anatomy

2000-2003 Professional Practice

2001-2003 Neurological Physiotherapy (guest lecturer: Unilateral neglect: physiotherapy assessment and approaches to treatment)

RESEARCH MENTORING

Faculty Mentor – Physical Therapy Graduate (PT Project)

- 2012-2013 Project: Texting and walking: effects of task prioritization and environmental setting on dual-task interference
Students: Sarah Apple
Colleen Dowd
Eliza Keith
- 2011-2012 Project: Effects of task difficulty on cognitive-motor interference
Students: Briana Brancato
Mallory Dantowitz
- 2011-2012 Project: Training dual-task walking after stroke
Students: Sarah Laskey
Patrick Rivera
Ramon Tapia
- 2010-2011 Project: Effect of cognitive-motor interference and environment on participation in community-dwelling individuals with stroke
Students: Madeline Powers
Amy Stokes
Dana Vered
- 2010-2011 Project: Effects of task difficulty on cognitive-motor interference
Students: Stephanie Birken
Christina Bonke
Erin Furey
- 2009-2010 Project: Pilot study of dual task gait training after stroke
Students: Laura Hennessy
Joy Huebner
Jacqueline Reinschmidt

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

Research Internship Supervisor

- 2008 Project: Effects of locomotor training and a progressive exercise program on
 perceived impact of MS using the Multiple Sclerosis Impact Scale
 Student: Kristen Rhodes (medical Student)
- 2007 Project: Effects of robotic assisted locomotor training in people with stroke
 Students: Daniel Kozman (medical student)
 Henrik Ullman (medical student)
- 2006 Project: Robotic-assisted locomotor training in people with multiple sclerosis and
 stroke
 Student: Diana Mok (undergraduate intern)
- 2005 Project: Duration and timing of supported treadmill training after stroke
 Student: Jennifer Corso (physical therapy intern)

COURSES UNDERTAKEN DURING POSTDOCTORAL TRAINING

- 2008 **Responsible Conduct of Research:** Plagiarism and Authorship, University of California Los Angeles
Instructor: Nancy Wayne, PhD
- 2008 **Biostatistics 100B,** University of California Los Angeles, K30 Graduate Training Program
Instructor: Catherine Sugar, PhD

- 2007 **Biostatistics 200A**, University of California Los Angeles, K30 Graduate Training Program
Instructor: John Boscardin, PhD
- 2007 **Interactive Online NIH Grant Writing Training Course**, Science Outreach Center; National Institute of General Medical Sciences
Coordinator: Margaret McConnell, University of Kentucky
- 2007 **Brain Mapping for Translational Investigators**, University of California Los Angeles, K30 Graduate Training Program
Coordinator: John Mazziotta, MD, PhD
- 2006, **NIH Grant Preparation**, University of California Los Angeles, K30 Graduate Training Program
2007 *Coordinator:* John S. Adams, MD
- 2005 **Neuroplasticity: A Foundation for Neurorehabilitation**, University of Florida
Instructors: Andrea L. Behrman, PhD, PT; David Fuller, PhD
- 2005 **Introduction and Application of Rasch Measurement**, University of Florida
Instructor: Craig A. Velozo, PhD, OTR

PROFESSIONAL SERVICE

Editorial Board Member

- 2012-pres Gerontology
2007-pres International Journal of Therapy and Rehabilitation

Ad-hoc Reviewer for Professional Journals

- 2011-pres Brain Research
2010-pres Journal of Biomechanics
2010-pres Clinical Biomechanics
2010-pres Journal of Experimental Brain Research
2010-pres Qualitative Health Research
2010-pres Journal of Motor Behavior
2008-pres Journal of Rehabilitation Research and Development
2007-pres Journal of Physiotherapy (formerly Australian Journal of Physiotherapy)
2007-pres Gait and Posture
2007-pres International Journal of Therapy and Rehabilitation
2006-pres Neurorehabilitation and Neural Repair
2004-pres Archives of Physical Medicine and Rehabilitation
2004-pres Physical Therapy
1999 Journal of Clinical and Experimental Neuropsychology

Grant Review Panels

- 2012 Reviewer, National Institute on Disability and Rehabilitation Research (NIDRR), Traumatic Brain Injury Model Systems Centers
2011 US Army Medical Research and Materiel Command (USAMRMC)
2010-pres Ad hoc member, Department of Veterans Affairs, Rehabilitation Research and Development Scientific Merit Review, Brain Injury: TBI and Stroke panel

Professional Committees

- 2013-pres Member, Early Career Networking Group, Course Planning Task Force, American Congress of Rehabilitation Medicine
- 2011-2013 Chair, Early Career Committee, American Congress of Rehabilitation Medicine
- 2010-pres Member, American Congress of Rehabilitation Medicine Stroke Networking Group Cognition Task Force
- 2010-pres Member, Clinical Trials Task Force, American Society of Neurorehabilitation
- 2010 Member, Nominating Committee, American Society of Neurorehabilitation
- 2009-2011 Member, Early Career Committee, American Congress of Rehabilitation Medicine

Thesis examination

- 2007 Doctor of Physiotherapy program, University of Melbourne, Australia

Consulting

- 2004-2005 Manuscript consultant (English grammar), Movement and Perception Laboratory, Institute of Cognitive Neuroscience, University of the Mediterranean, Marseille, France.

UNIVERSITY SERVICE

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

- 2013-pres Member, Admissions Committee, Division of Physical Therapy

Northeastern University, Boston, MA

- 2012-2013 Member, Academic Standing Committee, Department of Physical Therapy
- 2010-2012 Member, Faculty Search Committee, Department of Physical Therapy
- 2010-2012 Co-chair, Research Committee, Department of Physical Therapy
- 2009-2011 Ad hoc member, Interdisciplinary Committee, Bouvé College of Health Sciences
- 2009-2010 Member, Search Committee for Assist/Assoc/Full Professor in Movement Neuroscience, Departments of Biology and Physical Therapy
- 2008-pres Member, Research Committee, Department of Physical Therapy

University of California Los Angeles, CA

- 2007-2008 Society of Postdoctoral Scholars, Career Development Committee member

La Trobe University, Victoria, Australia

- 2001-2003 Postgraduate student coordinator, School of Physiotherapy
Organized and coordinated monthly research seminars, conference presentation rehearsals, and journal and writing groups for Faculty members, lecturers and postgraduate research students.
- 2000-2003 Human Research Ethics Committee, Faculty of Health Sciences, Postgraduate student representative

HONOURS / AWARDS / SCHOLARSHIPS

- 2011 **Faculty speaker**, Department of Physical Therapy Pinning and Hooding Ceremony
- 2011 **Excellence in Teaching Award, Nominee**, Northeastern University
- 2010-2011 **Kenerson Faculty Scholarship Award**, Bouvé College of Health Sciences, Northeastern University
Awarded to a Bouvé faculty member who has shown a commitment to improving the health of people in the urban community through interdisciplinary research and teaching activities.
- 2006 **Commendation – Young Investigator Award, Best Poster Presentation** 4th World Congress for NeuroRehabilitation, Hong Kong
- 2004 **Graduate Research Prize**, Faculty of Health Sciences, La Trobe University, Australia
Awarded annually for ‘Best’ thesis submitted for Masters by Research or Ph.D. in the Faculty of Health Sciences
- 2003 **Felice Rosemary Lloyd Trust Fund Scholarship** (\$10,000)
This scholarship is awarded to recent graduates from the School of Physiotherapy at La Trobe University or the University of Melbourne for travel to obtain specialist experience
Visits to the following laboratories in April-May 2004 were funded by this scholarship:
- Movement and Perception Laboratory, Institute of Cognitive Neuroscience, University of the Mediterranean, Marseille, France (Dr. Mireille Bonnard)
 - School of Physiotherapy, Keele University, UK (Dr. Margaret Bailey)
 - Hôpital Raymond Poincare, Garches, Paris, France (Professor Philippe Azouvi)
 - Neurology and Imaging of Cognition, University of Geneva, Geneva, Switzerland (Professor Patrik Vuilleumier)
 - Hospital of the University of Geneva (Professor Armin Schnider)
- 1999 **Research Prize**, Physiotherapy Research Foundation
This prize is awarded annually by the Physiotherapy Research Foundation (Australia) to the fourth-year undergraduate physiotherapy student who obtains the highest marks in the honours thesis
- 1999 **Research Prize**, Australian Physiotherapy Association, Victorian Branch
This prize is awarded annually to the final year student who gained the highest marks for their research (thesis)
- 1999-2003 **Australian Postgraduate Award** (Scholarship)
Awarded for pursuit of Ph.D. (3 years full time)
- 1997 **Golden Key International Honour Society**, La Trobe University chapter

PROFESSIONAL AFFILIATIONS AND MEMBERSHIPS

- 2010-pres American Society of Neurorehabilitation
- 2009-pres American Congress of Rehabilitation Medicine
- 2007-pres American Heart Association
- 2006-pres International Society for Posture and Gait Research
- 2000-2003 Cognitive Neuroscience Interest Group, University of Melbourne, Australia
- 1999-2001 Australian Physiotherapy Association