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ED	TIC	AT	ON
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1985-1989	University of Connecticut, Storrs, Connecticut School of Allied Health B.S. in Physical Therapy
1991-1993	Teachers College, Columbia University, NY, NY Department of Movement Sciences M.A. in Motor Learning
1993-1994	Teachers College, Columbia University, NY, NY Department of Movement Sciences Ed.M. in Motor Learning
1994-1996	Teachers College, Columbia University, NY, NY Department of Movement Sciences Ed.D. in Movement Sciences

ACADEMIC APPOINTMENTS

ACADEMIC ATTO	INTIMENTS
01/22-present	Professor of Movement Sciences and Education and Kinesiology
09/20-present	Chair, Department of Biobehavioral Sciences
09/19-present	Director, Program in Motor Learning and Control
09/15-present	Associate Professor of Movement Sciences and Education and Kinesiology
•	Department of Biobehavioral Sciences; received tenure May 2018
	Teachers College, Columbia University, New York, NY
01/16-present	Adjunct Associate Professor of Rehabilitation and Regenerative Medicine (Physical Therapy)
	Columbia University Irving Medical Center, New York, NY
09/19-present	Honorary Senior Research Fellow
09/16-08/19	Senior Research Fellow
	Cardiff University Center for Trials Research, Cardiff, UK
09/12-08/16	Senior Research Fellow
	School of Healthcare Sciences
	Cardiff University, Cardiff, UK
10/07-08/12	Honorary Research Fellow
	School of Healthcare Studies
	Cardiff University, Cardiff, UK
00/00 05/02	According Durchasses
09/00-05/03	Associate Professor
01/06-08/00	Assistant Professor
	Physical Therapy Program
	New York Medical College, Valhalla, NY

PROFESSIONAL POSITIONS

09/97-05/03	Director of Physical Therapy Services, Early Intervention & Adult Developmental
	Disability Programs, Westchester Institute for Human Development, Valhalla, NY
06/95-08/95	Physical Therapist, Nantucket Cottage Hospital, Nantucket, MA
09/92-12/96	Private practitioner/physical therapist, pediatric and adult neurological practice,
	Advanced Therapy Associates, NY and CT
09/94-08/95	Master's Program Coordinator, Program in Motor Learning, Teachers College,
	Columbia University, NY, NY
09/93-05/95	Instructor, Motor Learning, Teachers College, Columbia University, NY, NY
09/92-08/94	Coordinator, Clinical Traineeship Program, Teachers College, Columbia University,
	NY, NY
06/93-05/94	Rehabilitation Services Coordinator, Samuel L. Bailey Huntington's Disease Family
	Service Center, Cooper Hospital, Camden, NJ
09/91-05/93	Physical Therapy Clinical Trainee, Teachers College, Columbia University, JFK
	Hartwyck Nursing Home & Rehabilitation Center, Huntington's Disease Unit,
	Plainfield, NJ and The Shield Institute, Flushing, NY
09/90-08/91	Staff Physical Therapist, Kessler Institute for Rehabilitation, Saddle Brook, NJ
10/89-09/90	Staff Physical Therapist, Neurological Rehabilitation Institute, New Haven, CT

PROFESSIONAL LICENSES

Physical therapist license in New York, USA Physiotherapy HPC Registration, England

PUBLICATIONS (PEER-REVIEWED JOURNALS)

Complete List of Published Works in Google Scholar:

https://scholar.google.com/citations?user=hkdE-dIAAAAJ&hl=en&oi=ao 3140 citations; H-index: 31; i10index 57 (accessed September 9, 2024)

- 1. Toomer-Mensah N, O'Neil M, Blacutt M, **Quinn L**. Measuring Physical Activity in Children Who Do Not Walk and With Cerebral Palsy: An Exploratory Case Series. *Pediatr Phys Ther*. 2024 May 16. doi: 10.1097/PEP.000000000001113. Epub ahead of print. PMID: 38758603.
- 2. Kipnis D, Lin M, Pacheco A, Mensah N, Gu Y, Macpherson CE, Kempner K, Parker A, Coley RB, Coley D, Shah H, **Quinn L**. Identifying Barriers and Facilitators to Accessing Care for Historically Marginalized Communities Affected by Parkinson Disease: A Qualitative Study. J Racial Ethn Health Disparities. 2024 May 8. doi: 10.1007/s40615-024-02011-2. Epub ahead of print. PMID: 38717675.
- 3. Li H, Desai R, Quiles N, **Quinn L**, Friel C. Characterizing Heart Rate Variability Response to Maximal Exercise Testing in People with Huntington's Disease. J Huntingtons Dis. 2024;13(1):67-76. doi: 10.3233/JHD-230593. PMID: 38489192.
- 4. Borders JC, Lowell ER, Huber JE, **Quinn L**, Michelle S Troche. A Preliminary Study of Voluntary Cough Motor Performance and Learning With Skill Training and Biofeedback. J Speech Lang Hear Res. 2024 May 7;67(5):1299-1323. doi: 10.1044/2024_JSLHR-23-00516. Epub 2024 Apr 1. PMID: 38557139.
- 5. Kipnis D, Pacheco A, Delfing D, Toomer-Mensah N, Macpherson CE, Rieger J, Parker A, Coley RB, Coley D, Shah H, **Quinn L**. Community-based participatory research approach to address healthcare disparities

- confronting members of the Black Diaspora with Parkinson's disease. *Parkinsonism and Related Disorders*. 2023 Dec 9;119:105936. doi: 10.1016/j.parkreldis.2023.105936. Epub ahead of print. PMID: 38145610.
- 6. Németh AH, Antoniades CA, Dukart J, Minnerop M, Rentz C, Schuman BJ, van de Warrenburg B, Willemse I, Bertini E, Gupta AS, de Mello Monteiro CB, Almoajil H, **Quinn L**, Perlman SB, Horak F, Ilg W, Traschütz A, Vogel AP, Dawes H; AGI Digital-Motor Biomarkers Working Group. Using Smartphone Sensors for Ataxia Trials: Consensus Guidance by the Ataxia Global Initiative Working Group on Digital-Motor Biomarkers. *Cerebellum*. 2023 Nov 28. doi: 10.1007/s12311-023-01608-3. Epub ahead of print. PMID: 38015365.
- Pacheco A, van Schaik T, Paleyes N, Blacutt M, Vega J, Schreier A, Zhang H, Macpherson C, Desai R, Jancke G, Quinn L. A Wearable Vibratory Device (The Emma Watch) to Address Action Tremor in Parkinson Disease: Pilot Feasibility Study. *JMIR Biomedical Engineering* 2023;8:e40433 <u>URL://https://biomedeng.jmir.org/2023/1/e40433</u>. DOI: 10.2196/40433
- 8. Metelski N, Gu Y, **Quinn L**, Friel KM, Gordon AM. Safety and efficacy of non-invasive brain stimulation for the upper extremities in children with cerebral palsy: A systematic review. *Developmental Medicine and Child Neurology*. 2023 Aug 1. doi: 10.1111/dmcn.15720. Epub ahead of print. PMID: 37528530.
- 9. Desai R, Martelli D, Alomar JA, Agrawal S, **Quinn L**, Bishop L. Validity and reliability of inertial measurement units for gait assessment within a post stroke population. *Topics in Stroke Rehabilitation*. 2023 Aug 6:1-9. doi: 10.1080/10749357.2023.2240584. Epub ahead of print. PMID: 37545107.
- 10. Barbuto S, Lee S, Stein J, Kuo SH, **Quinn L**, Spinner M, Derovanessian T, Stern Y. Physical Activity and Fitness Levels of Individuals with Ataxia: A Cross-Sectional Study. *Archives of Physical Medicine and Rehabilitation*. 2023 Jun 26:S0003-9993(23)00364-7. doi: 10.1016/j.apmr.2023.06.007. Epub ahead of print. PMID: 37380120.
- 11. Shih HS, **Quinn L**, Morgan-Jones P, Long K, Schreier AR, Friel CP. Wearable activity monitors to support physical activity interventions in neurodegenerative disease: a feasibility study. *Neurodegenerative Disease Management*. 2023 Jun;13(3):177-189. doi: 10.2217/nmt-2022-0028. Epub 2023 Jun 15. PMID: 37317956.
- 12. Kipnis D, Kruusamäe H, King M, Schreier A, **Quinn L**, Shih H-J (2023): Dance interventions for individuals post-stroke a scoping review. *Topics in Stroke Rehabilitation*. 30:8, 768-785.
- 13. Macpherson CE, Bartsch B, King M, Satchidanand A, Kuo SH and **Quinn L**. Telehealth delivery of a high-intensity motor priming intervention in cerebellar ataxia: a single case experimental design. *Physical Therapy and Rehabilitation*. 2023; 10:1.http://dx.doi.org/10.7243/2055-2386-10-1
- 14. Fritz NE, Kegelmeyer DA, Rao AK, **Quinn L**, Kloos AD. Clinical Decision Trees to Guide Physical Therapy Management of Persons with Huntington's Disease. *Journal of Huntington's Disease*. 2022;11(4):435-453. doi: 10.3233/JHD-220549. PMID: 36155527.
- Shih S, Macpherson C, King M, Delaney E, Yu G, Long K, Reid J, Fineman J, Yu G, Rieger J, Satchidanand A, Shah H, Alcalay R, Quinn L. Physical Activity Coaching via Telehealth for People with Parkinson Disease A Cohort Study. *Journal of Neurolic Physical Therapy*. 2022 Oct 1;46(4):240-250. doi: 10.1097/NPT.000000000000010. Epub 2022 Sep 1. PMID: 36170256.
- Fritz NE, Kegelmeyer D, Rao A, Quinn L, Nance MA, Kloos A. Coordination of Care Among Physical Therapists and Neurologists in Huntington Disease. *Neurology Clinical Practice*. Aug 2022. 10.1212/CPJ.0000000000200073; DOI: 10.1212/CPJ.000000000200073

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- 18. Desai R, Blacutt M, Youdan G, Fritz N, Muratori L, Hausdorff J, Busse M, **Quinn L**. Postural control and gait measures derived from wearable inertial measurement unit devices in Huntington's disease: recommendations for clinical outcomes. *Clinical Biomechanics*. 2022 Jun;96:105658. doi: 10.1016/j.clinbiomech.2022.105658. Epub 2022 Apr 26. PMID: 35588586.
- 19. Duff S, Miller A, **Quinn L**, Youdan G, Bishop L, Ruthrauff H, Wade E. Quantifying intra and interlimb use during unimanual and bimanual tasks in persons with hemiparesis post-stroke. *Journal of NeuroEngingeering and Rehabilitation*. 2022. 10.1186/s12984-022-01020-8
- 20. Atkins KJ, Friel CP, Andrews SC, Chong TT, Stout JC, Quinn L. A qualitative examination of apathy and physical activity in Huntington's and Parkinson's disease. Neurodegener Dis Manag. 2022 Jun;12(3):129-139. doi: 10.2217/nmt-2021-0047. Epub 2022 Apr 12. PMID: 35412856.
- 21. Geller D, Nilsen DM, Quinn L, Van Lew S, Bayona C, Gillen G. Home mirror therapy: a randomized controlled pilot study comparing unimanual and bimanual mirror therapy for improved arm and hand function post-stroke. Disabil Rehabil. 2022 Nov;44(22):6766-6774. doi: 10.1080/09638288.2021.1973121. Epub 2021 Sep 19. PMID: 34538193.
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- 23. **Quinn L**, Riley N, Tyrell CM, Judd DL, Gill-Body KM, Hedman LD, Packel A, Brown DA, Nabar N, Scheets P. A Framework for Movement Analysis of Tasks: Recommendations From the Academy of Neurologic Physical Therapy's Movement System Task Force. *Physical Therapy*. 2021 Sep 1;101(9):pzab154. doi: 10.1093/ptj/pzab154. PMID: 34160044.
- Gill-Body KM, Hedman LD, Plummer L, Wolf L, Hanke T, Quinn L, Riley N, Kaufman R, Verma A, Quiben M, Scheets P. Movement System Diagnoses for Balance Dysfunction: Recommendations From the Academy of Neurologic Physical Therapy's Movement System Task Force. *Physical Therapy* 2021 Sep 1;101(9):pzab153. doi: 10.1093/ptj/pzab153. PMID: 34160028.
- 25. Keren K, Busse M, Fritz N, Muratori L, Gazit E, Hillel I, Scheinowitz M, Gurevich T, Inbar N, Omer N, Hausdorff, **Quinn L**. Quantification of daily-living gait quantity and quality using a wrist-worn accelerometer in Huntington's Disease. *Frontiers in Neurology*. 2021; 12:719442. doi: 10.3389/fneuur.2021.719442.
- 26. Casterano L, Nathason, R, Bassile C, **Quinn L**. Neurological Complications in COVID-19: A Single Case Study of Rehabilitation Treatment. *International Journal of Therapy and Rehabilitation*. 2021. https://doi.org/10.12968/ijtr.2020.0140.
- 27. Desai R, Fritz N, Muratori L, Hausdorff J, Busse ME, **Quinn L**. Evaluation of gait initiation parameters using inertial sensors in Huntington's Disease: insights into anticipatory postural adjustments and cognitive interference. *Gait and Posture*. 2021; 87:117-122.
- 28. **Quinn L**, Macpherson C, Long K, Shah H. Promoting Physical Activity via Telehealth in People With Parkinson Disease: The Path Forward After the COVID-19 Pandemic? *Physical Therapy*. 2020;100(10):1730-1736.

- 29. Harris EC, Earhart GM, Leventhal D, **Quinn L**, Mazzoni P. A walking dance to improve gait speed for people with Parkinson disease: a pilot study. *Neurodegenerative Disease Management*. Published Online: 3 Sep 2020. Doi: 10.2217/nmt-2020-0028.
- 30. Bishop L, Omofuma I, Stein J, Agrawal S, **Quinn L**. Treadmill-Based Locomotor Training With Robotic Pelvic Assist and Visual Feedback: A Feasibility Study. *Journal of Neurologic Physical Therapy*. 2020 Jul;44(3):205-213. doi: 10.1097/NPT.0000000000000317. PMID: 32516301.
- 31. McConlogue Ferro A, **Quinn L.** A structured goal-setting process to promote functional and measurable goals in school-based physical therapy: a knowledge translation study. *Pediatric Physical Therapy*. 2020; 32:211-217.
- 32. **Quinn L**, Kegelmeyer D, Kloos A, Rao AK, Busse M, Fritz NE. Clinical recommendations to guide physical therapy practice for Huntington disease. *Neurology*. 2020; 94(5):217-228.
- 33. Hamana K, **Quinn L**, Gambling T, Busse M. An exploration of physical activity. Experiences throughout the Huntington's disease journey: supporting development of theoretically underpinned complex interventions. *Disability and Rehabilitation*. 2019; 7:1-11.
- 34. Playle R, Dimitropoulou P, Kelson M, **Quinn L**, Busse M. Exercise Interventions in Huntington's disease: An Individual Patient Data Meta-Analysis. *Movement Disorders Clinical Practice*. 2019; 6(7): 567–575.
- 35. Drew CJ, **Quinn L**, Hamana K, Williams-Thomas R, Marsh L, Dimitropoulou P, Playle R, Griffin B, Kelson M, Schubert R, Muratori L, Reilmann R, Rosser A, Busse M. Physical Activity and Exercise outcomes in Huntington's Disease (PACE-HD): Protocol for a 12-month trial within cohort evaluation of a physical activity intervention in people with Huntington's Disease. *Physical Therapy*. 2019; 99(9):1201-1210.
- 36. Rodrigues FB, **Quinn L**, Wild EJ. Huntington's Disease Clinical Trials Corner January 2019. *Journal of Huntington's Disease*. 2019: 8; 115–125.
- 37. McIsaac TL, Fritz NE, **Quinn L**, Muratori LM. Cognitive-motor interference in neurodegenerative disease: a narrative review and implications for clinical management. *Frontiers in Psychology*. 2018 Oct 29;9:2061. doi: 10.3389/fpsyg.2018.02061
- 38. Miller A, Duff SV, **Quinn L**, Bishop L, Youdan G, Ruthrauff H, Wade E. Development of sensor-based measures of upper extremity interlimb coordination. *Conference Proceedings IEEE Engineering in Medicine and Biology Society*. 2018:3160-3164. doi: 10.1109/EMBC.2018.8512903.
- 39. Mestre T, Busse M, Davis A, **Quinn L**, Rodrigues F, Burgunder JM, Carlozzi N, Walker F, Ho A, Sampaio C, Goetz C, Cubo E, Martinez-Martin P, Stebbins G. Rating scales and performance measures for assessment of functional ability in Huntington disease. *Movement Disorders Clinical Practice*. 2018; 5(4): 361-72.
- 40. Steventon J, Collett J, Furby H, Ralph J, Hamana K, Foster C, O'Callaghan P, Rosser A, Murphy K, **Quinn L,** Busse M, Dawes H. Alterations in the metabolic and cardiorespiratory response to exercise in Huntington's Disease. *Parkinsonsim and Related Disorders*. 2018 Apr 14. pii: S1353-8020(18)30202-5.
- 41. Mestre TA, Carlozzi NE, Ho AK, Burgunder JM, Walker F, Davis AM, Busse M, **Quinn L**, Rodrigues FB, Sampaio C,. Goetz CG, Cubo E, Martinez-Martin P, Stebbins GT, and Members of the MDS Committee on Rating Scales Development. Quality of Life in Huntington's Disease: Critique and Recommendations for Measures Assessing Patient Health-Related Quality of Life and Caregiver Quality of Life. *Movement Disorders*. 2018;33(5):742-749.

- 42. Hedman L, **Quinn L**, Gill-Body K, Brown D, Quiben M, Riley N & Scheets P. Movement System Diagnoses The Path Forward: A White Paper. Recommendations from the Academy of Neurologic Physical Therapy Movement System Task Force. *Journal of Neurologic Physical Therapy*. 2018, 42(2):110-117.
- 43. Fritz N, Rao A, Kegelmeyer D, Kloos A, Busse M, Hartel L, Carrier J, **Quinn L**. Physical therapy and exercise interventions in Huntington's disease: a mixed methods systematic review. *Journal of Huntington's Disease*. 2017;6(3):217-235.
- 44. Bishop L, Khan M, Martelli D, **Quinn L**, Stein J, Agrawal S. The exploration of two training paradigms using forced induced weight shifting with the tethered pelvic assist device to reduce asymmetry in individuals post stroke: case reports. *American Journal of Physical Medicine and Rehabilitation*. 2017; 96(10 Suppl 1):S135-S140.
- 45. **Quinn L**, Busse M, Fritz N, Kegelmeyer, D, Kloos A, Rao A. Physical therapy and exercise interventions in Huntington's disease: a mixed methods systematic review protocol. *Joanna Briggs Institute Database of Systematic Reviews and Implementation Reports*. 2017; 15(7):1783-1799.
- 46. Busse M, Quinn L, Drew C, Kelson M, Trubey R, McEwan K, Jones C, Townson J, Dawes H, Tudor-Edwards R, Rosser A, Hood K. Physical activity self-management and coaching compared to social interaction in Huntington's disease: results from the ENGAGE-HD randomized, controlled, pilot feasibility trial. *Physical Therapy*. 2017; 97(6): 625-39.
- 47. Fritz N, Busse M, Jones K, Khalil H, **Quinn L**. A classification system to guide physical therapy management in Huntington's disease: a case series. *Journal of Neurologic Physical Therapy*. 2017; 14:156-63.
- 48. **Quinn L**, Morgan D. From disease to health: physical therapy health promotion practices for secondary prevention in adult and pediatric neurologic populations. *Journal of Neurologic Physical Therapy*. 2017 41 Suppl 3 Supplement, IV STEP Special Issue:S46-S54.
- 49. Khalil H, Busse M, **Quinn L**, Nazzal M, Batyha W, Khazaaleh S, Alomari MA. A pilot study of a minimally supervised home exercise and walking program for people with Parkinson's disease in Jordan. *Neurodegenerative Disease Management*. 2017;7(1):73-84.
- 50. Drew C, Poile V, Trubey R, Watson G, Kelson M, Townson J, Rosser A, Hood K, **Quinn L**, Busse M. Integrating technology into complex intervention trial processes: a case study. *Trials*. 2016; 17(1):551.
- 51. **Quinn L**, Hamana K, Kelson M, Dawes H, Collett J, Townson J, Roos R, van der Plas AA, Reilmann R, Frich JC, Rickards H, Rosser A, Busse M. A randomized, controlled trial of a multi-modal exercise intervention in Huntington's disease. *Parkinsonism and Related Disorders*. 2016; 31:46-52.
- 52. Fritz N, Hamana K, Kelson M, Rosser A, Busse M, **Quinn L**. Motor-cognitive dual-task deficits in individuals with early-mid stage Huntington disease. *Gait and Posture*. 2016;49:283-289.
- 53. Jones C, Busse M, **Quinn L**, Dawes H, Drew C, Kelson M, Hood K, Rosser A, Edwards RT. The societal cost of Huntington's disease: are we underestimating the burden? *European Journal of Neurology*. 2016;23(10):1588-90.
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- 59. Busse M, **Quinn L,** Khalil H, McEwan K. Optimizing mobility measures in Huntington's disease. *Journal of Huntington's Disease*. 2014;3(2):175-88.
- 60. Busse M, **Quinn L,** DeBono K, Jones K, Collett J, Playle R, Keely M, Simpson S, Backx K, Wasley D, Dawes H, Rosser A. A Randomized Feasibility Study of a 12-week Community-based Exercise Program in people with Huntington's disease. *Journal of Neurologic Physical Therapy*. 2013; 37(4):149-58.
- 61. **Quinn L**, Rosser A, Busse M. Critical Features in the Development of Exercise-based interventions for people with Huntington's disease. *European Neurological Review*. 2013; 8(1):10–3.
- 62. **Quinn L**, Busse M, Dal Bello-Haas V. Management of upper extremity dysfunction in people with Parkinson disease and Huntington disease: facilitating outcomes across the disease lifespan. *Journal of Hand Therapy*. 2013;26(2):148-54.
- 63. Muratori LM, Lamberg EM, **Quinn L**, Duff SV. Applying principles of motor learning and control to upper extremity rehabilitation. *Journal of Hand Therapy*. 2013;26(2):94-102.
- 64. **Quinn L,** Khalil H, Dawes H, Fritz NE, Kegelmeyer D, Kloos AD, Gillard JW, Busse M. Reliability and minimal detectable change of physical performance measures in individuals with pre-manifest and manifest Huntington's disease. *Physical Therapy*. 2013;93(7):942-56.
- 65. Khalil H, **Quinn L**, van Deursen R, Dawes H, Playle R, Rosser A, Busse M. What effect does a structure home-based exercise programme have on people with Huntington's disease? A randomized, controlled pilot study. *Clinical Rehabilitation*. 2013;27(7):646-58.
- 66. Busse M, Khalil H, Brooks S, **Quinn L**, Rosser A. Practice, Progress and Future directions for Physical Therapies in Huntington's Disease. *Journal of Huntington's Disease* (Invited Review). 2012;1(2):175–85.
- 67. **Quinn L**, Busse M on behalf of the members of the European Huntington's Disease Network Physiotherapy Working Group. Development of physiotherapy guidance and treatment-based classifications for people with Huntington's Disease. *Neurodegenerative Disease Management*. 2012;2(1):21-31.
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- 71. McConlogue A, **Quinn L.** Analysis of physical therapy goals in a school-based setting: a pilot study. *Physical and Occupational Therapy in Pediatrics*. 2009;29(2):156-71.
- 72. Farrell A, O'Sullivan C, **Quinn L**. Parent perspectives on early childhood assessment: a focus group inquiry. *Early Childhood Services*. 2009;3:61-76.
- 73. Busse ME, Khalil H, **Quinn L**, Rosser AE. Physical therapy intervention for people with Huntington's Disease. *Physical Therapy*. 2008;88(7):820-31.
- 74. Rao AK, **Quinn L**, Marder KS. Reliability of spatiotemporal gait outcome measures in Huntington's disease. *Movement Disorders*. 2005;20(8):1033-7.
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- 78. **Quinn L**, Gordon AM, Reilmann R, Marder K. Altered movement trajectories and force control during object transport in Huntington's disease. *Movement Disorders*. 2001;16(3):469-480.
- 79. Gordon A, **Quinn L**, Reilmann R, Marder K. Coordination of prehensile forces in Huntington's Disease. *Experimental Neurology*. 2000;163(1):136-48.
- 80. Gordon J, **Quinn L**. Guide to physical therapist practice: a critical appraisal. *Neurology Report*. 1999;23(30):122-128.
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PUBLICATIONS (BOOKS, CHAPTERS, AND OTHER PEER-REVIEWED)

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- 2. Busse M, **Quinn L**, Inbar N, Marsden J. Inherited Neurological Conditions. In: Lennon S, G. Ramdharry, G. Verheyden. *Physical Management for Neurological Conditions*. 5th Ed. London: Elsevier Publishers. 2023.

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- 7. **Quinn L**, Shuler A on behalf of Physiotherapy Working Group. Huntington's disease late stage. PT Now, Clinical Cases. Published June 17, 2016. http://ptnow.org/clinical-cases-detail/huntington-disease-late-stage
- 8. **Quinn L**, Gordon J. *Documentation for Rehabilitation: A Guide to Clinical Decision Making in Physical Therapy*, 3rd ed. Philadelphia, PA: Elsevier; 2016.
- 9. Busse ME, **Quinn L**, Quarrell OWJ. Physiotherapy in Huntington's disease. In Stokes and Stack (Eds). *Physical Management in Neurological Rehabilitation*, 3rd ed. London: Elsevier; 2011.
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- 11. **Quinn L**, Dal Bello-Haas V. Progressive Central Nervous System Disorders. In: Cameron MH, Monroe L, eds. *Physical Rehabilitation Evidence-Based Examination, Evaluation, and Intervention*. Philadelphia, PA: WB Saunders; 2006.
- 12. **Quinn L**, Gordon J. Functional Outcomes Documentation for Rehabilitation. 1st ed. Philadelphia, PA: W.B. Saunders; 2003.
- 13. Duff S, **Quinn L**. Motor learning and motor control. In Cech D, Martin S, eds. *Functional movement development across the life span*, 2nd ed. Philadelphia, PA: W.B. Saunders; 2002: 86-117.

PUBLICATIONS (NON-PEER-REVIEWED BOOKS, ARTICLES, LETTERS, MONOGRAPHS)

- Hedman LD, Gill-Body KM, Plummer L, Quinn L, Riley N, Tyrell CM, On "Concerns on the Science and Practice of a Movement System." Joyce CT, Beneciuk JM, George SZ. *Phys Ther*. 2023;103:pzad087. https://doi.org/10.1093/ptj/pzad087, *Physical Therapy*, Volume 104, Issue 5, May 2024, pzae022, https://doi.org/10.1093/ptj/pzae022
- 2. Dolhun R, **Quinn L**, Macpherson C, Long K. Make your move: Exercise for brain health and life with Parkinson's disease. Michael J. Fox Foundation. https://viewer.joomag.com/exercise-guide/0272799001706805200?short&
- 3. PD Movers: We Keep Moving. Co-author of storybook is a compilation of narratives of African American and Black individuals and caregivers who are living and thriving with Parkinson's disease, 2022.
 - $\underline{https://www.neurology.columbia.edu/patient-care/specialties/movement-disorders/pd-movers-we-keep-moving-storybook}$

- 4. Fritz N, Busse M, Muratori L, Rao A, Kloos A, Kegelmeyer D, **Quinn L**. Response to: An MDS Evidence-Based Review on Treatments for Huntington's Disease. *Movement Disorders*, 2022. https://doiorg.ezproxy.cul.columbia.edu/10.1002/mds.29059
- Macpherson C, Shih HJS, Pacheco A, Magill R, Quinn L. On "Updates in Motor Learning: Implications for Physical Therapist Practice and Education." Leech KA, Roemmich RT, Gordon J, Reisman DS, Cherry-Allen KM. Phys Ther. 2022; 1093:pzab250, Physical Therapy, 2022;, pzac083, https://doiorg.ezproxy.cul.columbia.edu/10.1093/ptj/pzac083
- 6. Hedman L, Gill-Body KM, **Quinn L**, Hanke T, Judd DL, Plummer L, Quiben M, Riley N, Scheets PL, Tyrell CM, Wolf L. On "Reflections on the Wisdom of Profession-Specific Diagnostic Labels." Jette AM. *Phys Ther*. 2021; 101:pzab139. https://doi.org/10.1093/ptj/pzab139, *Physical Therapy*, Volume 102, Issue 1, January 2022, pzab237, https://doi.org/10.1093/ptj/pzab237
- 7. McConlogue Ferro A, **Quinn L**, Gayner-Wood K, Barry A. Dancers Realize Excellence through Arts and Movement (DREAM): An Inclusive Dance Program to Promote Participation in Children with Developmental Disabilities. *The Kennedy Center VSA Intersections: Arts and Special Education Exemplary Programs and Approaches*. Vol. 4, 2018.
- 8. Gordon AM, **Quinn L**, Kaminski T, Magill, R. In Memoriam: Antoinette M. Gentile (1936 2016). *Journal of Motor Behavior*. 2016; 48(6): 479-481.
- 9. Busse ME, Stack E, **Quinn L**. Ask the experts: Physiotherapy for Huntington's disease and Parkinson's disease: where are we now? *Neurodegenerative Disease Management*. 2013; 3(3):1-4.
- 10. **Quinn L**, Busse M on behalf of the European Huntington's Disease Network Physiotherapy Working Group. Physiotherapy Guidance Document. *European Huntington's Disease Network*; 2009.
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- 12. **Quinn** L & Morris ME. Guest Editor's note: Neurodegenerative diseases: Spanning the Continuum. *Neurology Report*. 2002; 26(3): 114.

SCIENTIFIC PAPER AND POSTER PRESENTATIONS

- 1. Pacheco, A., Kipnis, D., Kipnis, Delfing, D., Toomer-Mensah, N., Macpherson, C. E., Rieger, J., Parker, A., Coley, R. B., Coley, D., Shah, H., & Quinn, L. Community-based participatory research approach to address healthcare disparities confronting members of the Black Diaspora with Parkinson's disease. International Association of Parkinsonism and Related Disorders World Congress. [abstract]. May 2024.
- 2. Alomar J, Yu T, Li H, Delfing D, Yu G, Wani D, **Quinn** L. Development of the Floor Sitting Rising Movement Observation Tool. Combined Sections Meeting Poster Presentation, February 15, 2024.
- 3. Wani D, Lin M, Macpherson C, Campbell M, Ravikumar T, Muratori M, Fritz N, **Quinn L**. Utility of Instrumental Timed Up and Go Test to estimate disease severity in Huntington disease. Combined Sections Meeting Poster Presentation, February 15, 2024.
- 4. Kaplan M, Wani D, Holmqvist S, **Quinn L**. Exploring Cognitive Outcomes in the Physical Activity and Exercise Trial (PACE-HD). International Neuropsychological Society Conference, February 15, 2024.

- 5. Drew C, Haman K, Williams-Thomas R, Wani D, Busse M, **Quinn L**. Exploring outcomes of long-term Physical Activity and Exercise in people with Huntington's Disease (PACE-HD): A Process Evaluation of the Study Design and Intervention. Huntington Study Group Annual Meeting, November 2-4, 2023.
- 6. Shah H, Coley B, Coley D, Coplin C, Delaney E, Dillard V, Haye L, Huckabee A, Huckabee R, Kipnis D, Lin M, Macpherson C, Mensah N, Pacheco A, Parker A, Peacher-Ransom, Pearson R, Ransom R, Smith K, **Quinn** L. Using Story to Raise Awareness, Reach and Connect African American and Black individuals affected by Parkinson's disease. World Parkinson's Congress, July 2023.
- 7. Sevitz, JS, **Quinn, L,** Dakin, AE, Lowell, ER, Elkarif, SP, MacPherson, CE, Troche, MS. Patient-reported experience of an interdisciplinary telehealth model to rehabilitate airway protection in neurodegenerative disease. Poster Presentation at Dysphagia Research Society. March 2023. San Francisco, CA.
- 8. Macpherson C, Bartsch B, King M, Kuo, S-H, **Quinn L**. Engage-Ataxia: Preliminary results after 1 year from a physical activity coaching intervention in individuals newly diagnosed with ataxia. International Congress of Ataxia Research. Annual meeting 2022, Dallas, TX.
- 9. Macpherson C, Bartsch B, King M, Kuo, S-H, **Quinn L**. Telehealth High Intensity Interval Training prior to Balance in Cerebellar Ataxia: A Case Series. International Congress of Ataxia Research. Annual meeting 2022, Dallas, TX.
- 10. Muratori L, **Quinn L**, Fritz N, Cruickshank T. EHDN physiotherapy working group: understanding the perspectives of the HD community regarding the presentation and dissemination of the physiotherapy practice guidelines. Journal of Neurology, Neurosurgery & Psychiatry 93 (Suppl 1), 2022, A72-A72.
- 11. Drew C, Hamana K, Williams-Thomas R, Playle R, Busse M, **Quinn L**. Exploring the acceptability and key components for success of a 12 month physical activity intervention in early to mid-stage Huntington's disease. Journal of Neurology, Neurosurgery & Psychiatry 93 (Suppl 1), 2022, A100-A100.
- 12. Agarwal V, Kloos A, Ekwall C, Filip M, Delgado V, Sia T, Fritz N, **Quinn L** on behalf of the Members of the European Huntington's Disease Network Physiotherapy Working Group, HD specialist Clinic Workstream. Translating Physiotherapy Guidelines for Huntington's Disease in clinical specialist and outpatient settings. Journal of Neurology, Neurosurgery & Psychiatry 93 (Suppl 1), 2022, A72-A72.
- 13. Fritz NE, Kegelmeyer DA, Rao AK, **Quinn L**, Nance M, Kloos A. Coordination of Care among Physical Therapists and Neurologists in Huntington's Disease. Journal of Neurology, Neurosurgery & Psychiatry 93 (Suppl 1), 2022, A71-A71.
- 14. Kegelmeyer DA, Kloos AD, Rao AK, **Quinn L**, Fritz NE. Knowledge Translation of a Clinical Practice Guideline for Physical Therapy Management of Persons with Huntington's Disease. Journal of Neurology, Neurosurgery & Psychiatry 93 (Suppl 1), 2022, A71-A72.
- 15. Schreier AR, King M, Leventhal D, Kelly MP, **Quinn L**, Shih HJS. Dance for PD- Towards a Unified Language for Dance Educators and Rehabilitation Professionals. *International Association for Dance Medicine and Science*. Limerick, IE, 2022.
- 16. Shih HJS, Morgan-Jones P, Long K, Schreier A, **Quinn L**, Friel C. Wearable activity monitors as part of physical activity intervention for people with neurodegenerative diseases: opportunities and considerations. *American Society of Neurorehabilitation*. St. Louis, MO, March 30-April 2, 2022.
- 17. **Quinn L,** Shih HJS, Playle R, Taiyari K, Williams-Thomas R, Muratori L, Friel C, Morgan-Jones P, Rosser A, Busse M. Consultative Coaching Model for Long-Term Exercise Engagement in People with Huntington's

- Disease. Platform presentation. Combined Sections Meeting, American Physical Therapy Association. San Antonio, TX, February 2-5, 2022.
- 18. Macpherson CE, Bartsch B, King M, Kuo SH, **Quinn L**. Telehealth High Intensity Interval Training prior to Balance in Cerebellar Ataxia: A Case Series. Combined Sections Meeting, American Physical Therapy Association. San Antonio, TX, February 2-5, 2022.
- 19. Fineman J, Macpherson CE, Shih H-J, **Quinn L**. Development of the Physical Therapy Brief Telehealth Battery for Parkinson's Disease. Combined Sections meeting, American Physical Therapy Association, February 2-5, 2022.
- 20. Kloos AD, Kegelmeyer DA, Rao A, **Quinn L,** Fritz NE. Knowledge translation of a clinical practice guideline for physical therapy management of persons with Huntington's disease. *J Huntington Dis.* 2021; S10: S1-S41.
- 21. **Quinn L**, Playle R, Drew C, Taiyari K, Williams-Thomas R, Muratori L, Friel C, Morgan-Jones P, Shih H-J, Hamana K, Griffin B, Kelson M, Schubert R, Rosser A, Busse, M. Exploring outcomes of long-term **P**hysical **AC**tivity and Exercise in people with **H**untington's **D**isease. Huntington Study Group Annual Meeting, November 4-6, 2021.
- 22. **Quinn L**, Shih H-J, Playle R, Drew C, Taiyari K, Williams-Thomas R, Muratori L, Friel C, Morgan-Jones P, Rosser A, Busse M, on behalf of the PACE-HD Trial Management Group and PACE HD site principal investigators. Consultative Coaching Model for Long-Term Exercise Engagement in People with Huntington's Disease. Combined Sections meeting, American Physical Therapy Association, February 4, 2022.
- 23. Shih HJS, Rieger J, Satchidanand A, Macpherson C, King M, Yu G, Fineman J, Shah HG, Alcalay RN, Quinn L. (2021) Engage-PD: Which Patients Benefit Most from a Telehealth Physical Activity Coaching Program for Parkinson's Disease? Academy of Neurologic Physical Therapy Virtual Conference. October 2021.
- 24. Macpherson C, King M, Shih, H, Rieger J, Fineman J, Reid J, acheco A, Shah H, Alcalay R, **Quinn L**. Engage-PD: a physical activity coaching program via telehealth for people with Parkinson's disease preliminary results a year after inception. Movement Disorders Society Annual Meeting, September 2021.
- 25. Kipnis D, Shah H, **Quinn L**. Yoga for Functional Neurologic Disorder. American College of Sports Medicine New York Chapter Meeting, poster presentation April 10, 2021
- 26. Kegelmeyer D, Fritz N, **Quinn L**, Rao A, Busse M, Kloos A and members of the Huntington Study Group Rehabilitation Therapists Working Group. Clinical Practice Guidelines for Physical Therapy for Huntington Disease. Neurotherapeutics (2020) 17:S3, https://doi.org/10.1007/s13311-020-00945-z
- 27. Desai R, Blacutt M, Fritz N, Muratori L, **Quinn L**. Postural control measures derived from wearable IMU devices in Huntington's disease: recommendations for clinical outcomes. Neurotherapeutics (2020) 17:S28, https://doi.org/10.1007/s13311-020-00945-z
- 28. Atkins K, Friel C, Andrews S, Chong T, Stout J, **Quinn L**. A qualitative examination of apathy and physical activity in Huntington's disease. Neurotherapeutics (2020) 17:S30, https://doi.org/10.1007/s13311-020-00945-z
- 29. **Quinn L,** Taiyari K, Drew CJG, Williams-Thomas R, Playle R, Busse M, on behalf of the PACE-HD trial management group. Exploring factors associated with physical fitness in people with Huntington's disease: results from the PACE-HD baseline analysis. Neurotherapeutics (2020) 17:S31, https://doi.org/10.1007/s13311-020-00945-z

- 30. **Quinn L**, Macpherson C, Long K, King M, Shah H. Rapid implementation of a physical activity coaching program via telehealth for people with Parkinson's disease. Movement Disorders Society, Annual Conference poster presentation, September 2020.
- 31. Miller A, **Quinn L**, Duff SV, Wade E, "Comparison of Machine Learning approaches for Classifying Upper Extremity Tasks in Individuals Post-Stroke," *2020 42nd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC)*, Montreal, QC, Canada, 2020, pp. 4330-4336, doi: 10.1109/EMBC44109.2020.9176331.
- 32. Fineman J, McIsaac T, Kaminski T, Busse M, **Quinn L.** Dual Task Performance and prioritization in Parkinson's disease: comparison of a seated vs upright assessment. American Physical Therapy Association Combined Section Meeting, February 2020.
- 33. Desai R, **Quinn L**. Cognitive interference of gait initiation in Huntington's Disease. Neurotherapeutics. 2019. https://doi.org/10.1007/s13311-019-00788-3
- 34. **Quinn L**, Youdan G, Muratori L, Li X, Fritz N. Dual-Task Performance During Standing Balance and Walking in Persons with Huntington's Disease. Neurotherapeutics. 2019. https://doi.org/10.1007/s13311-019-00788-3
- 35. Drew C, Handley O, Townhill J, Williams-Thomas R, Busse M, **Quinn L.** Use of the Enroll-HD Observational Study as a Platform for Enriching Data Collection in a 12-month Nested Randomized Controlled Feasibility Study of a Physical Activity Intervention in People with Huntington's Disease (PACE-HD). Neurotherapeutics. 2019. https://doi.org/10.1007/s13311-019-00788-3
- 36. Williams-Thomas R, Drew C, Fernandez F, Taiyari K, Playle R, Gilling M, **Quinn L**, Busse M. Piloting Data Linkage with the Enroll-HD Dataset: Linking Between Enroll-HD and PACE-HD. Neurotherapeutics. 2019. https://doi.org/10.1007/s13311-019-00788-3
- 37. Rao A, Youdan G, Li X, Friaz N, Muratori L, Inbar N, Gurevich T, Hausdorff J, Poile V, Marder K, Busse M, **Quinn L.** Falls and Life-space Mobility in Huntington Disease. Neurotherapeutics. 2019. https://doi.org/10.1007/s13311-019-00788-3
- 38. Duff SV, Miller A, **Quinn L**, Bishop L, Youdan G, Ruthrauff H, Espnoza-Wade E. Quantifying Interlimb Coordination in Persons with Hemiparesis. Platform presentation, Combined Section Meeting, American Physical Therapy Association. Washington DC. January 24, 2019
- 39. Fineman J, McIssac T, Kaminski T, **Quinn L**. Dual task performance and prioritization in Parkinson's disease: a pilot study using a novel assessment with increasing complexity. Academy of Neurologic Physical Therapy 2019 Combined Section Meeting Poster Presentations. Journal of Neurologic Physical Therapy. 43(1): 69-81.
- 40. Miller A, Duff SV, **Quinn L**, Bishop L, Youdan G, Ruthrauff H, Wade E. Quantitative Assessment of Interlimb Coordination in Persons with Hemiparesis. Progress in Clinical Motor Control I: Neurorehabilitation. Pennsylvania State University. State College, PA. July 23-25, 2018.
- 41. Miller A, Duff SV, **Quinn L**, Bishop L, Youdan G, Ruthrauff H, Wade E. Development of Sensor–Based Measures of Upper Extremity Interlimb Coordination. 40th International IEEE Engineering in Medicine and Biology Conference, (EMBC), Honolulu, HI, July, 2018.
- 42. Duff SV, Miller A, **Quinn L**, Bishop L, Youdan G, Ruthrauff H, Wade E. A Novel Method for Quantifying Interlimb Coordination in Persons with Hemiparesis Post-Stroke. Poster presentation at the American Society of Neurorehabilitation (ASNR) Annual Conference, San Diego, CA. November 2018.

- 43. Hamana K, Gambling T, **Quinn L**, Busse M. Development of theoretically underpinned physical activity interventions for Huntington's disease. *J Neurol Neurosurg Psychiatry*. 2018; 89(S1): A101.
- 44. Youdan G. Fritz N, Muratori L, Busse M, **Quinn L**. Gait and balance dual task performance in Huntington's disease. Neurotherapeutics. 2018; 15(4):1168–1214.
- 45. Poile V, Youdan G, Sheeran L, **Quinn L**, Busse M and the iWEAR-HD study management group F64 Wearable technologies for assessment of physical activity in hd: preliminary analysis of movement variability and wear time. J Neurol Neurosurg Psychiatry 2018;89:A62.
- 46. **Quinn L**, Marder K, Caciula M, Friel C, Busse M. Feasibility and acceptability of implementing a clinic-based physical activity coaching intervention in people with premanifest and early stage HD. Neurotherapeutics. 2018; 15(1): 233–269.
- 47. Busse M, **Quinn L**, Drew C et al. A randomised controlled feasibility trial of a physical activity behaviour change intervention compared to social interaction in Huntington's disease. J Neurol Neurosurg Psychiatry. 2016; 87:Suppl 1, A105.
- 48. Busse M, **Quinn L**, Trubey R. Facilitating Physical Activity Behaviour Change In Neurodegenerative Diseases: Lessons From A Huntington's Disease Intervention Trial. Poster presentation at Academies of Pediatric and Neurologic Physical Therapy IV STEP conference, Columbus, Ohio, July 2016.
- 49. McConologue A, **Quinn L**. Dancers Realize Excellence through Arts and Movement (DREAM): An inclusive dance program to promote participation in children with developmental disabilities Poster presentation at Academies of Pediatric and Neurologic Physical Therapy IV STEP conference, Columbus, Ohio, July 2016.
- 50. Inbar I, **Quinn L**, Hamana K, Busse M. Functional screening for Huntington's disease: a phased approach. J Neurol Neurosurg Psychiatry. 2016; 87:Suppl 1, A74.
- 51. **Quinn L**, Hamana K, Kelson M, Dawes H, Collett J, Townson J, Roos R... Busse M. Multimodal exercise improves fitness and motor function in people with Huntington Disease: results from a randomized, feasibility trial. Neurotherapeutics. 2015; 13(1):248-249.
- 52. **Quinn L**, Debono K, Dawes H et al. Task-specific Training In Huntington's Disease: A Randomised, Controlled Feasibility Trial J Neurol Neurosurg Psychiatry 2014;85:Suppl 1 A66-A67.
- 53. Jones K, Debono K, **Quinn L** et al. Physiotherapy Task Orientated Approach: A Case Report. J Neurol Neurosurg Psychiatry 2014; 85:Suppl 1, A68.
- 54. Busse M, **Quinn L** et al. A randomized feasibility study of a 12-week exercise programme in Huntington's disease (HD). Journal of Neurology, Neurosurgery & Psychiatry. 2012; 83(S1), pp. A58-A59, 2012.
- 55. Debono K, Wasley D, Riley J, Enright S, Collett J, Dawes H, **Quinn L**, Busse M. Perspectives of participating in a 12-week exercise programme for people with early-mid stage Huntington's disease. Journal of Neurology, Neurosurgery & Psychiatry. 2012; 83(S1), pp. A59, 2012.
- 56. Debono K, Wasley D, Riley J, Enright S, Collett J, Dawes H, **Quinn L**, Busse M. Perspectives of participating in a 12-week exercise programme for people with early-mid stage Huntington's disease. Journal of Neurology, neurosurgery & Psychiatry. 2012; 83(S1), pp. A59.
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- 59. Khalil H, van Deursen R, **Quinn L**, Rosser A, Busse M. Clinical measurement of sit to stand performance in people with Huntington's disease: reliability and validity for 30 seconds chair sit to stand test. Journal of Neurology, Neurosurgery and Psychiatry. 2010; 88:1.
- 60. Busse M, **Quinn L**, Dawes H, Sackley C & Rosser A. Physiotherapy led exercise for people with Huntington's Disease. Dementias & Neurodegenerative Diseases Research Network Meeting, November 2008.
- 61. **Quinn L**, Busse M, Rosser A. Reliability, validity and minimal detectable change of physiotherapy outcomes measures for people with Huntington's Disease. Dementias & Neurodegenerative Diseases Research Network Meeting, November 2008.
- 62. Reilmann R, Kirsten F, Henningsen H, **Quinn L**, Marder K, Gordon AM. Quantitative neurophysiological analysis of chorea in Huntington's Disease. Society for Neuroscience. 2001; 66:1.
- 63. Reilmann R, Kirsten F, Henningsen H, **Quinn L**, Marder K, Gordon AM Variability of isometric grip forces in Huntington's Disease: a Correlation with cognitive deficits. J Neural Transm. 2001; 108:30.
- 64. Reilmann R, Kirsten F, Henningsen H, **Quinn L**, Marder K, Gordon AM. An objective, quantitative, neurophysiological method to assess involuntary choreatic movements in Huntington's Disease. J Neural Transm. 2001; 108:30.
- 65. Reilmann R, Kirsten F, Henningsen H, **Quinn L**, Marder K, Gordon AM. Objective assessment of progression in Huntington's disease a three-year follow-up study. J Neural Transm. 2001; 108:30-31
- 66. **Quinn L**, Gordon J. Functional Outcomes Documentation. Poster presented at Combined Sections Meeting. New Orleans, LA:1999.
- 67. Farrell A, **Quinn L**, O'Sullivan C. What really matters to families: parent focus groups as a study of practice in early intervention. Society for Research in Child Development Biennial meeting. Albuquerque, NM:1999.
- 68. **Quinn L,** Gordon AM, Reilmann R, Marder K. Effect of object weight on reaching and grasping in Huntington's Disease. Movement disorders. 1998; 13, Supplement 2, 156.
- 69. Reilmann R, **Quinn L**, Marker K, Gordon AM. Coordination of manipulative forces in Huntington's Disease. Movement disorders. 1998; 13, Supplement 2, 156.
- 70. Moskowitz CB, **Quinn L**, Francis K, Schwartz R. Clinical characteristics of adults with Huntington's Disease at Summer Camp. Annals of Neurology (suppl). 1998.
- 71. Dorcy R, **Quinn L**, Stolove R, LaColla J. Perceived risk of falling in nursing home residents: validity of a new instrument. Empire State Physical Therapy, Poster presentation. 1998.
- 72. **Quinn L**, Dorcy R, Budney V, LaCola J, Brand L, Chau E, Stolove R. Perceived risk of falling in nursing home elderly. Issues in Aging, 1998; 21(1):28-29.
- 73. Hamel V, Kaminski T, **Quinn L**, Flanagan R. Effects of trunk support on multijoint arm movements in Huntington's Disease. Society for Neuroscience. 1995.

- 74. **Quinn L**, Hamel V, Flanagan, JR, Kaminski T. Control of multijoint arm movements in Huntington's Disease. Society for Neuroscience. 1994.
- 75. **Quinn L**. Analysis of multijoint arm movements in Huntington's Disease. Neurology Report. Combined Sections meeting poster presentation. 1994.

INVITED PRESENTATIONS - NATIONAL AND INTERNATIONAL

- 1. How Do You Increase Physical Activity? the Dose, Discussion and Debate. Combined Sections Meeting, American Physical Therapy Association. Co-presentation with Miriam Rafferty, Kristin Hohl, and Darcy Reisman. Boston, MA, February 17, 2024
- 2. Motor Learning: What Is It and How to Integrate into Swallowing Management. Co-presentation with Michelle Troche, PhD, SLP-CCC, American Speech Language Association Annual Meeting. Boston, MA. November 17, 2023
- 3. MDS AOS (Asia and Oceana Regions) Multidisciplinary Rehabilitation Care in Movement Disorders: Exercise and skill training in people with Parkinson's Disease: Neuroplasticity and recommendations for exercise and training. Online course invited faculty. November 3-4, 2023.
- 4. Academy of Pediatric Physical Therapy. Pediatric Research Summit 6. Invited Moderator for 3-day summit. Washington, DC, October 19-21, 2023.
- 5. New York Physical Therapy Association Research Keynote. Physical Activity and Exercise as Modifiers of Neurodegenerative Disease. Saratoga Springs, NY, October 7, 2023.
- 6. A motor control framework for analysis of tasks across patient populations. Co-presentation with Dana Judd, Nora Riley and Christine Tyrell. Combined Sections Meeting, American Physical Therapy Association. San Antonio, TX, February 4, 2022
- 7. Enhancing Swallowing Outcomes Using Motor Learning Principles: A Guide for SLP. American Speech-Language-Hearing Association Annual Meeting. Washington DC, November 18, 2021
- 8. Knowledge Translation of a Clinical Practice Guideline for PT Management of Persons with Huntington's Disease. Co-presentation with Nora Fritz, Ashwini Rao, Deb Kegelmeyer and Anne Kloos. Academy of Neurologic Physical Therapy Annual Conference (Virtual) October 1-3, 2021
- 9. Moving Forward with the Movement System. Co-presentation with Kathy Gill-Body, Lois Hedman and Nora Riley. Academy of Neurologic Physical Therapy Annual Conference (Virtual) October 1-3, 2021
- 10. Physical therapy interventions to facilitate exercise uptake in early-stage Parkinson's disease: in-person and remote delivery. Co-presentation with Miriam Rafferty. Academy of Neurologic Physical Therapy Annual Conference. (Virtual), October 1-3, 2021
- 11. Bringing the Multidisciplinary Rehabilitation Team Together via Telehealth. Movement Disorders Society Congress 2021. Invited Speaker. (Virtual) September 20, 2021
- 12. Management Strategies in Parkinson's Disease: Implementation of Telehealth-Delivered Physical Therapy. MDS-AOS 4th Allied Health Course: Rehabilitation for Parkinson's Disease and Other Movement Disorders. Invited Speaker. (Virtual) July 25, 2021
- 13. Physical Therapy and Exercise for Neuroacanthocytosis Syndromes. 10th International Meeting on Neuroacanthocytosis Syndromes. Invited Speaker. (Virtual), March 11, 2021

- 14. Effective goal setting for optimal outcomes. Chicago Community School District 200. Invited speaker with Agnes McConlogue Ferro, half-day course. Chicago, IL (Virtual), February 26, 2021
- 15. Effective goal setting for optimal outcomes. Naperville203 School District. Invited speaker with Agnes McConlogue Ferro, 2-hour conference, (Virtual), February 22, 2021
- 16. Promoting High-Quality Evidence-Based Practice in Rare Neurodegenerative Diseases: Huntington's Disease as a Model. Combined Sections meeting of the American Physical Therapy Association (Virtual) February 23, 2021
- 17. Physical and occupational therapy in Huntington's disease: promoting evidence-based interventions and new models of care. Huntington Study Group, invited speaker for plenary session (Virtual), October 30, 2020
- 18. The Use of Physical Activity Monitors to Measure & Promote Exercise in Parkinson's & Huntington's Disease. 5th annual IMPACCT: mHealth in Clinical trials conference (held remotely due to COVID-19), August 5, 2020
- 19. The Promises & Perils of Telehealth. American Physical Therapy Association, Rothstein Roundtable Invited Speaker (held remotely due to COVID-19). June 11, 2020
- 20. "P" for Participation: Lessons Learned from Dancers Realize Excellence Through Arts and Movement (DREAM), an Inclusive and Collaborative Dance Program. Academy of Pediatric Physical Therapy, Anaheim, CA. November 16, 2019
- 21. Using Augmented Reality in Rehabilitation to Optimize Gait Training in People with Parkinson's Disease. American Congress of Rehabilitation Medicine, Chicago, IL. November 6, 2019
- 22. American College of Rehabilitation Medicine Early Career Development Course: Promoting Your Science to Secure Collaborators, Funding & Tenure/Promotion. Panelist. American Congress of Rehabilitation Medicine, Chicago, IL, November 5, 2019
- 23. A forum on movement system diagnoses for balance dysfunction. American Physical Therapy Association Combined Section Meeting. Washington DC, January 26, 2019
- 24. Physical Therapy Guidelines. Huntington Disease Study Group Annual Meeting, Houston, TX, November 8, 2018
- 25. Coaches and Partners: New Roles for Therapists in Physical Activity and Lifestyle Management. Invited Keynote Speaker, Ahart Leadership Series, Bellarmine University, Louisville, KY, April 4, 2017
- 26. Can exercise and physical therapy alter disease progression in Huntington's Disease? Community Talk, Norton Healthcare, Louisville, KY, April 3, 2017
- 27. Movement system Diagnosis in Neurologic Physical Therapy: Where are we? American Physical Therapy Association Combined Sections Meeting, Nashville, TN, February 17, 2017
- 28. Can Exercise and Physical Therapy Alter Disease Progression in Huntington's Disease? European Huntington's Disease Network Bi-annual Plenary Meeting, Plenary Speaker, September 16, 2016
- 29. From Disease to Health: Physical Therapy Health Promotion Practices for Prevention in Adult Neurologic Populations. IV STEP meeting, American Physical Therapy Association, Academies of Pediatric and Neurologic Physical Therapy, Plenary Speaker, July 17, 2016

- 30. Goals that Drive Intervention: what is relevant and realistic in the school setting? Therapy in the Schools conference, Education Resources. 2-part lecture and workshop with Agnes McConlogue, MA, PT. Framingham, MA, November 21, 2014
- 31. Task-Related Training in Huntington's Disease (TRAIN-HD). Dissemination Event, Cardiff, UK, March 7, 2014
- 32. Task-oriented training implications for neurological rehabilitation. Wales Association of Chartered Physiotherapists Interested in Neurology. One-day course, Cardiff, Wales, February 5, 2012
- 33. Physiotherapy and occupational therapy in Huntington's Disease. Huntington's Disease Association Study Day, Liverpool, England, November 30, 2011
- 34. Physiotherapy in Huntington's Disease. Huntington's Disease Study Day, Huntington's Disease Association, London, England, November 29, 2005
- 35. A model for task-oriented intervention in neurologic rehabilitation: promoting transfer and functional carryover. Speaker with James E. Gordon, EdD, PT, American Physical Therapy Association, Combined Sections Meeting, San Antonio, TX, February 16, 2001
- 36. Physical Therapy for all. Invited speaker for one-day course on Huntington's Disease, Great Barrington, MA, July 31, 1999
- 37. Function-oriented model of rehabilitation: applications for physical therapists. Speaker for two-day conference, RehabExcel, Santa Barbara, CA, October 1997
- 38. Function-oriented model of rehabilitation: applications for physical therapists. Speaker for two-day conference, RehabExcel, Dallas, TX, September 1997
- 39. Function-oriented model of rehabilitation: applications for the rehabilitation team. Speaker for two-day conference, RehabExcel, Orlando, FL, July 1997
- 40. Current issues in neurologic physical therapy. Speaker for two-day conference, Detroit, MI, June 1997.
- 41. Seeing beyond chorea: analysis of motor control deficits in Huntington's Disease. Invited Speaker, Annual Conference in the Movement Sciences, Teachers College, Columbia University, New York, NY, April 1997
- 42. Function-oriented model of rehabilitation: applications for physical therapists. Speaker for two-day conference, RehabExcel, Orlando, FL, February 1997
- 43. Motor Learning and Motor Control: Applications for Clinical Practice in Adult Rehabilitation. Speaker for two-day conference, RehabExcel, Miami, FL, March 1996
- 44. An overview of motor control and motor learning: implications for clinical practice in pediatrics. Speaker for one-day conference, Cerebral Palsy of North Jersey, Fairfield, NJ, March 1996
- 45. Motor Learning and Motor Control: Applications for Clinical Practice in Adult Rehabilitation. Speaker for two-day conference, RehabExcel, Richmond, VA, October 1995
- 46. Motor Learning and Motor Control: Applications for Clinical Practice in Adult Rehabilitation Speaker for two-day conference, RehabExcel, Detroit, MI, September 1995

- 47. Outpatient physical and occupational therapy. Second Interdisciplinary Conference on Caring for People with Huntington's Disease, Atlanta, GA, October 1994
- 48. Motor Learning and Motor Control: Applications for Clinical Practice in Adult Rehabilitation. Speaker for two-day conference, Baylor Rehabilitation Center, Dallas, TX, June 1994
- 49. Seeing beyond chorea: the role of physical therapy in the treatment of Huntington's Disease. Platform presentation, Combined Sections Meeting, American Physical Therapy Association, February 1994.

WEBINARS AND PODCASTS

- New Year! New Moves! Explore Exercise for Life with Parkinson's. Panelist for Michael J Fox Foundation Webinar. January 18, 2024. https://www.michaeljfox.org/webinar/new-year-new-moves-explore-exercise-life-parkinsons
- 2. Best practice physiotherapy for people with Huntington's disease. Speaker. Arcademy Rehab Center, Sydney, Australia, June 24, 2023.
- 3. Physiotherapy Clinical Guidelines for Huntington's Disease: Clinical and Research Implications. Speaker for Webinar: How to Optimize Physiotherapy in Residential Care: Insights from the EHDN Physiotherapy Working Group. May 25, 2023.
- 4. Get Moving: Exercising for a Healthy Brain. Panelist for Michael J Fox Foundation Webinar. May 18, 2023. https://www.michaeljfox.org/podcast/get-moving-exercising-healthy-brain-webinar-audio
- 5. Dr. Gilbert Hosts: PD in the Black and African American Community. March 22, 2023. https://www.youtube.com/watch?v=8KsPlfD8ajw&list=PLWc6Kqj5B4-KcMCUzYjoQAmhbIA1Chcv1&index=1
- 6. DD SIG: CSM 2022 Platform Award: Consultative Coaching Model for Long-Term Exercise Engagement in People with Huntington's Disease with Lori Quinn. 4D: Deep Dive into Degenerative Diseases. May 26, 2022. https://www.neuropt.org/special-interest-groups/degenerative-diseases/podcasts
- 7. How to Live Well and Thrive with Parkinson's Disease. Webinar presented by Columbia University Irving Medical Center and Neurorehabilitation Research Lab. October 19-21, 2021. https://www.youtube.com/watch?v=-cIxKpPpc0I.
- 8. HD Physical Therapy Panel: Teva Pharmaceuticals

https://vimeo.com/617815309/9d0ac8b8cb

https://vimeo.com/617813379/c92764ca6a

https://vimeo.com/617809151/b983f1f708

https://vimeo.com/617812732/2fbda1dbae

https://vimeo.com/617807827/a62389ebff

https://vimeo.com/617816320/d2aa68b3ee

https://vimeo.com/617802796/33b2703d6d

- 9. Physical Therapy in HD. Help4HD Podcast. December 22, 2021 https://podcasts.apple.com/podcast/id475556127?ls=1&mt=2
- 10. Whose Movement is it anyway? Fitness for Consumption. Think Fit Be Fit Podcast. November 25, 2021 https://thinkfitbefit.libsyn.com/whose-movement-is-it-anyway-dr-lori-quinn-part-1

- 11. Whose Movement is it anyway? Fitness for Consumption. Think Fit Be Fit Podcast. December 3, 2020 https://thinkfitbefit.libsyn.com/whose-movement-is-it-anyway-part-2
- 12. Huntington's Disease and Exercise. Huntington's Disease Society of America Webinar. April 23, 2020. https://www.youtube.com/watch?v=OcCYpa8t-c8&list=PLLQmMRDsNEY1qLyfXqSbkvFxz5NYHIJt_&index=3&t=0s
- 13. Rehabilitation for people with Huntington's Disease. 4D: Deep Dive into Degenerative Diseases. March 5, 2020.

https://www.neuropt.org/special-interest-groups/degenerative-diseases/podcasts

- 14. Physical Therapy's Role in Huntington's Disease. HD Insights Podcast. February 27, 2020 https://huntingtonstudygroup.org/hd-insights-podcast/
- 15. Task Analysis in Physical Therapy. Invited Webinar for Academy of Neurologic Physical Therapy. May 13, 2019.

https://www.anptsynapsecenter.com/public/course-detail/?id=122

- 16. Defensible Documentation: A framework for physical therapy documentation. Invited webinar for American Physical Therapy Association. February 6, 2018.
 http://learningcenter.apta.org/Student/MyCourse.aspx?id=8fd1b5bb-9103-4499-88cd-cc422208739c&ProgramID=dcca7f06-4cd9-4530-b9d3-4ef7d2717b5d
- 17. Exercise for the body and brain: the benefits of physical activity in Huntington's disease. Invited webinar for Huntington's Disease Society of America, May 24, 2018. https://www.youtube.com/watch?v=PgVUoMMKKMY
- 18. Physical Therapy Management of Individuals with Early to Mid-Stage Huntington's Disease. Invited webinar for Huntington's Disease Society of America, April 12, 2016. https://hdsa.org/healthcare-professionals-resources/pt-continuing-education/pt-module-3-physical-therapy-management-of-individuals-in-early-to-middle-stages-of-hd/

INVITED PRESENTATIONS – LOCAL

- 1. Exercise and Brain Health. Seniors Get Fit at the Armory. May 2, 2023
- 2. Exercise and Brain Health. Washington Heights/Inwood YMCA. April 11, 2023
- 3. Neurorehabilitation in Parkinson's Disease. New York-Presbyterian's 2023 Annual Parkinson's Disease Symposium. April 4, 2023
- 4. Evidence-based strategies for promoting exercise uptake in Parkinson's disease. Mid-Hudson Parkinson's Disease Support Group, March 25, 2022 (virtual)
- 5. The Latest Science on Parkinsonism and Movement. 3rd Annual Older Adult Falls Prevention Symposium. New York Presbyterian/Weill Cornell Medicine & Carter-Burden Network. September 22, 2021 (virtual)
- 6. Physical therapy for Huntington's disease. Huntington Disease Society of America Tennessee Chapter. June 8, 2021 (virtual)
- 7. Physical activity coaching for people with Parkinson's Disease. Shaker's Anonymous Support Group, Greenwich, CT. April 13, 2021 (virtual)

- 8. Dementia with Lewy-Body, Living with Lewy Body Dementia Seminar Series, Columbia University, February 11, 2021 (virtual)
- 9. Brain health: What is it and how do we maintain it? Washington Heights/Inwood YMCA Coffee Chat, January 14, 2021 (virtual)
- 10. Brain health: What is it and how do we maintain it? Brain Health Series, Columbia University, December 2, 2020 (virtual)
- 11. Engage-PD Conference. Columbia University Irving Medical Center, June 26, 2020 (virtual)
- 12. Brain Health and Movement. Central Harlem Senior Center, NY, NY, March 4, 2020
- 13. Movement and the Brain. YMCA of Inwood and Washington Heights, NY, NY, April 24, 2019
- 14. Getting ready to get ready for clinical trials. Huntington's Disease Society of America, Connecticut Chapter 7th Annual HD Education Conference, Norwich, CT, March 30, 2019
- 15. Exercise and Physical Therapy for Parkinson's Disease. Parkinson's Disease Support Group, Washington Heights, NY, November 27, 2018
- 16. Exercise and Physical Therapy in Huntington's Disease. HD Family Day, Columbia University, NY, NY. October 28, 2017
- 17. Dancing Your Way to Mobility: Integrating Dance and Rehabilitation in Parkinson's Disease. Teachers College, Columbia University Academic Festival, April 8, 2017.
- 18. Teaching the brain new tricks: altering disease progression in basal ganglia disorders. Ann Gentile Memorial conference, Teachers College, Columbia University, November 6, 2016
- 19. Exercise and Physical Therapy in Huntington's Disease. Invited presentation, Archeare at Ferneliff Nursing Home, March 15, 2016
- 20. Occupational and physical therapy in Huntington's disease. Family Education day, Terence Cardinal Cooke Health Care Center, NY, NY, October 4, 2015
- 21. The Role of Physical Activity and Exercise in Huntington's Disease. Sussex Health Care Huntington's Disease Conference, Horsham, England, October 9, 2013
- 22. Physiotherapy and Exercise in Huntington's Disease. South Coast DenNDRoN Study Day. Basingstoke, England, November 9, 2012
- 23. Physiotherapy in Huntington's Disease. Young Person's Conference, Huntington Disease Association, Telford, England, February 27, 2010
- 24. Balance and gait in Progressive Supranuclear Palsy. PSP Study day, Cardiff, UK, September 16, 2009
- 25. Physiotherapy in Huntington's Disease. Huntington's Disease Support Group, London, UK, November 21, 2008
- 26. Rehabilitation strategies for Huntington's Disease. Speaker for evening course, New York Presbyterian/New York State Psychiatric Institute New York, NY, November 12, 1999

- 27. Motor control issues in spasticity management. Speaker for ½ day course on Spasticity Management, Isabella Geriatric Center, New York, NY, October 26, 1999
- 28. Documenting Functional Outcomes. Speaker for Inservice Training, St. Joseph's Hospital, Yonkers, NY, June 17, 1998
- 29. Documenting Functional Outcomes. Speaker for Continuing Education Program for Health Star Network, Phelps Hospital & White Plains Hospital, May 28 & 30, 1998.
- 30. Facilitating skill acquisition. Speaker for Continuing Education Program, New York Medical College, Valhalla, NY, November 1997
- 31. Documenting Functional Outcomes. Speaker for Continuing Education Program, New York Medical College, Valhalla, NY, May 1997
- 32. Functional Outcomes Documentation. Speaker for half-day conference, Connecticut Association for Home Care Therapists' Special Interest Group, Wallingford, CT, December 1996
- 33. Conceptual models for therapeutic practice. Invited respondent, Teachers College, Columbia University, New York, NY, April 1996
- 34. Skill Acquisition Conference. Group Discussion Leader for 2-day conference, Teachers College, Columbia University, New York, NY, April 1993
- 35. Workshop in Motor Learning and Control. Conference Coordinator & Group Discussion Leader, Teachers College, Columbia University, New York, NY, October 1992

HONORS AND AWARDS

- 1. American Physical Therapy Association, Academy of Neurologic Physical Therapy Degenerative Diseases SIG Research Award. February 16, 2024.
- 2. Honoree, Parkinson's Mind and Body Inaugural Gala, Greenwich, CT. October 5, 2023.
- 3. Degenerative Diseases Special Interest Group Best Platform Presentation. **Quinn L**, Shih HJS, Playle R, Taiyari K, Williams-Thomas R, Muratori L, Friel C, Morgan-Jones P, Rosser A, Busse M. Consultative Coaching Model for Long-Term Exercise Engagement in People with Huntington's Disease. Platform presentation. Combined Sections Meeting, American Physical Therapy Association. San Antonio, TX, February 2-5, 2022.
- 4. Catherine Worthingham Fellow, American Physical Therapy Association. May 20, 2021.
- 5. Best case study presentation. Kipnis D, Shah H, **Quinn L**. *Yoga for Functional Neurologic Disorder*. *Greater New York American College of Sports Medicine Conference*, poster presentation. April 10, 2021.
- 6. Ahart Leadership Award, Keynote speaker 2017, Bellarmine University, Louisville, KY, April 4, 2017.
- 7. Training in Grantsmanship for Rehabilitation Research (TIGRR) Award, 2016.

8. Golden Synapse Award, Journal of Neurologic Physical Therapy. Most outstanding paper in 2013 for: Busse M, **Quinn L**, DeBono K et al. A Randomized Feasibility Study of a 12-week Community-based Exercise Program in people with Huntington's disease. Journal of Neurologic Physical Therapy 2013;37(4):149-58.

PRESS

- 1. PD Movers: We Keep Moving Highlights the Lived Experiences of Black and African American Families Navigating Parkinson's Disease. Michael J. Fox Foundation. February 7, 2023. https://www.michaeljfox.org/news/pd-movers-we-keep-moving-highlights-lived-experiences-black-and-african-american-families
- 2. This Project is Helping Black and African American Communities Cope with Parkinson's Disease. January 2023. https://www.tc.columbia.edu/articles/2023/january/this-project-is-helping-black-patients-cope-with-parkinsons-disease/
- 3. Coached exercise via telehealth shows promise in Parkinson's disease. Parkinson's News Today. August 5, 2020.
 - $\frac{https://parkinsonsnewstoday.com/2020/08/05/coached-telehealth-exercise-program-shows-promise-in-parkinsons-group/$
- 4. The Power of Ping Pong Over Parkinson's Disease. China Daily.com, October 2019 http://www.chinadaily.com.cn/global/2019-10/30/content 37519408.htm
- 5. Looking at Physical Therapy Holistically. PT in Motion, July 2019 http://www.apta.org/PTinMotion/2019/7/Feature/PTHolistically/
- 6. Teachers College Interview, Neurorehabilitation Research Lab, November 2018 https://www.youtube.com/watch?v=maoUMNvaORY
- 7. Summary of systematic review of physical activity and exercise in Huntington's disease, February 2018 https://huntingtonsdiseasenews.com/2018/02/01/physical-activity-helps-huntingtons-disease-patients-study-finds/

GRANTS AND FUNDING

Current Support

Private Donation, Neurorehabilitation Research Lab

My lab is currently funded by a private donor to support our student-led research \$40,000-80,000 annually since 2017.

Qatar University, Qatar

Khalil (PI)

01/01/24-12/31/26

Engage- Qatar PD: The development and evaluation of a remote physical activity coaching intervention to promote engagement in physical activity for people with Parkinson's disease in Qatar. \$80,000. Role: consultant

Teachers College, Columbia University

Moya-Gale (PI)

03/01/24-02/28/25

Examining the Relationship between Speech, Social Connectedness, Physical Activity, and Cardiovascular Health in Women with Parkinson's Disease: A Pilot Case-Control Study. \$11,400.

Role: co-I

Development and Validation of a Balance Outcome Measure for Huntington's disease (BALANCE-HD). Goal: To develop a disease-specific balance measure for individuals with Huntington's disease. \$100,000.

Role: co-PI

AOTF/MJFF21LONG. Occupational Therapy Foundation

& Michael J. Fox Foundation for Parkinson's Research Long (PI)

07/01/21-06/30/24

Pre-Active PD: a randomized control trial pilot study to improve self-management of PA routines in adults with early-stage Parkinson's disease. Goal: To evaluate a Phase II randomized controlled trial of a physical activity coaching intervention delivered by occupational therapists. \$100,000

Role: co-I

Previous Support (2017-2023)

PF-CG-COE-967425 Parkinson's Foundation

Quinn (PI)

07/01/22-06/30/23

Promoting physical activity engagement for people with early-stage Parkinson's disease (Engage-PD)

Goal: Evaluate implementation of knowledge translation study of a clinic-based physical activity coaching program in individuals with early-stage Parkinson's disease. \$15,000.

Role: PI

PF-CORE-856919 Parkinson's Foundation

Quinn (PI)

07/01/21-06/30/22

Promoting physical activity engagement for people with early stage Parkinson's disease (Engage-PD)

Goal: Evaluate implementation of knowledge translation study of a clinic-based physical activity coaching program in individuals with early stage Parkinson's Disease. \$22,000.

Role: PI

Provost's Investment Fund, Teachers College

Quinn & Troche (co-PIs)

07/01/21-06/30/22

Improving Accessibility to Multi-Disciplinary Clinical Care for Parkinson's Disease via a Telehealth Model Goal: Our long-term goal of this line of research is to improve the morbidity and mortality of persons with PD by enhancing the accessibility and quality of multi-disciplinary care available to persons with PD. \$20,000

Role: co-PI

Academy of Pediatric Physical Therapy

Mensah (PI)

01/01/21-06/30/22

Measuring Physical Activity in Non-Ambulatory Youth with CP, GMFCS IV-V During Daily Routines

Goal: Mentored Research grant for doctoral student Dr. Nia Mensah. Study will evaluate physical activity using wearable monitoring and video analysis in children with cerebral palsy who are non-ambulatory. \$10,000

Role: Co-I/Mentor

Jacques and Gloria Gossweiler Foundation

Quinn, Busse (PIs)

09/01/17-12/31/21

Physical Activity and Exercise Intervention in Huntington's Disease (PACE-HD).

Goal: Evaluate a within-cohort randomized control trial of a 12-month exercise intervention in HD, comparing a supported and structured aerobic exercise training program to activity as usual. £178,410

Role: Co-PI

Parkinson's Disease Foundation Access to Care Grant Quinn (PI)

01/01/20-03/31/21

Promoting physical activity engagement for people with early stage Parkinson's disease (Engage-PD).

Goal: Additional travel support for Parkinson's Foundation funded Engage-PD program. \$5,000

Role: PI

Columbia University Irving Institute for Translational Science Shah (PI)

07/01/20-06/30/21

Development of a Culturally Appropriate Instrument to Address Racial Disparities in Engagement of Ethnic Minorities with Parkinson's Disease Specialists in the Washington Heights/Inwood and Harlem Neighborhoods in NYC.

Goal: To develop an instrument to understand barriers to specialist care using a community-based participatory research approach. \$40,000

Role: Co-PI

PF CGP 2056, Parkinson's Foundation

Quinn (PI)

07/01/20-06/30/21

Promoting physical activity engagement for people with early stage Parkinson's disease (Engage-PD)

Goal: Evaluate implementation of knowledge translation study of a clinic-based physical activity coaching program in individuals with early stage PD. \$18,000

Role: PI

PF-CGP 19168, Parkinson's Foundation

Ouinn (PI)

05/01/19-06/30/20

Promoting physical activity engagement for people with early stage Parkinson's disease (Engage-PD)

Goal: Evaluate implementation of knowledge translation study of implementing a clinic-based physical activity coaching program in individuals with early stage PD. \$25,000

Role: PI

Cardiff University

Quinn, Busse (PIs)

01/01/17-03/01/19

Integrating wearable technologies to quantify meaningful activity in Huntington Disease(iWear)

Goal: Evaluate the reliability and validity of physical activity monitors and inertial sensors for mobility assessment in HD. \$40,000

Role: Co-PI

Teachers College, Columbia University

Quinn (PI)

09/01/17-09/01/19

Feasibility and acceptability of implementing a physical activity coaching intervention in people with early stage PD. (PRE-ACTIVE PD)

Goal: Evaluate the feasibility and acceptability of the Engage-PD intervention in individuals with early stage PD, and using the data to make relevant adaptations to prepare for a Phase II evaluation. Peer-reviewed, competitive internal grant. \$20,000

Role: PI

Huntington's Study Group

Quinn (PI)

03/01/17-03/01/18

Feasibility and acceptability of implementing a clinic-based physical activity coaching intervention in people with pre-manifest and early stage HD (PRE-ACTIVE HD)

Goal: Explore the feasibility and acceptability of the Engage-HD intervention in individuals with pre-manifest and early stage HD, and using the data will make relevant adaptations to prepare for a Phase II evaluation. \$10,000 Role: PI

National Institute of Social Care & Health Research

Busse (PI)

01/01/13-12/31/17

Move to Exercise: Home based exercise for people with Huntington's Disease (Engage-HD)

Goal: Evaluate the feasibility and efficacy of a randomized controlled trial of home-based, behavioral change intervention to promote physical activity in people with HD. £687,362

Role: Co-investigator

Teachers College, Columbia University

Troche, Quinn (Co-PIs)

03/01/16-08/31/17

Clinical Research Initiative in Rehabilitation for Neurodegenerative Diseases

Goal: To support development of neurodegenerative diseases research program evaluating gait, posture and swallowing impairments. Peer-reviewed, competitive internal grant. \$20,000

Role: Co-PI

Jacques and Gloria Gossweiler Foundation

Quinn (PI)

09/01/13-05/31/17

Exercise Rehabilitation Trial in Huntington's Disease (ExeRT-HD)

Randomized controlled trial of combined aerobic and strengthening program for individuals with HD.

Goal: To evaluate the feasibility and efficacy of a randomized controlled trial of a aerobic and strengthening exercise program in people with HD. £410,000

Role: PI

2016 and earlier

Columbia University Irving Institute (CaMPR) award (Phase I) Vanegas-Arroyave (PI)

2016-2017

Deep Brain Stimulation Therapy for Autism with Self-Injurious Behavior. \$15,000.

Role: Co-I

American Society for Neurorehabilitation

Duff (PI)

2016-2017

Assessment of Interlimb Coordination in Adults with Hemiplegia. \$5,000.

Role: Co-I

APTA Academy of Hand and Upper Extremity Physical Therapy

Leslie Harris Lindsey Grant for Research in the Hand and

Upper Quadrant award. Duff (PI)

2016-2017

Assessment of Interlimb Coordination in Children and Adults with Hemiplegia. \$4,970.

Role: Co-I

Huntington's Disease Association (UK)

Quinn, Busse (Co-PIs)

2012-2013

TRAIN-HD: Task-related activities in Huntington's Disease. £92,000.

Role:Co-PI

Welsh Assembly Government, Research Funding Scheme (UK) Busse (PI)

2009-2010

Can community supported exercise benefit subjective wellbeing, physical activity levels and abilities in people with Huntington's disease? A randomized feasibility study and process evaluation. £153,934.

Role: Co-I

European Huntington's Disease Association (UK)

Quinn, Busse (PIs)

2009-2011

Reliability and minimal detectable change in physiotherapy-related outcome measures for people with Huntington's Disease. £36,000.

Role: Co-PI

Chief Medical Officers for Wales Research Budget (UK)

Busse (PI)

2007-2008

Development and evaluation of a DVD resource for people with a neurodegenerative disease who may be at risk of falls. £9.938.

Role: Co-I

GRANTS IN REVIEW/SUBMITTING

- 1. Digital **Measures** for Clinical Trial **END**-points in Huntington's Disease (MEND-HD). Food and Drug Administration. Co-Principal Investigator. Submitted May 2024.
- 2. New York Health Foundation. Collaboration with Faith-Based Organizations to Support Brain Health in the Black/African American Communities in New York City (PI). Submitted May 2024.
- 3. Promoting exercise engagement through consultative physical therapy in people with Parkinson's Disease (CONSULT-PD). Eunice Kennedy Shriver National Institute of Child Health and Human Development. National Institutes of Health. Principal Investigator. Scored 32; New Submission planned for October 2024

MEMBERSHIP IN SCIENTIFIC/PROFESSIONAL SOCIETIES

- 1. World Federation of Neurorehabilitation, 2022-present
- 2. American Society of Neurorehabilitation (ASNR), 2018-present
- 3. Huntington Study Group (HSG), 2014-present Co-Chair, Digital Markers Working Group, 2019-present Member, Rehabilitation therapists Working Group 2015-present
- 4. Movement Disorders Society, Health Professionals Special Interest Group, 2013-present

- Chartered Society of Physiotherapists (CSP), 2008-present
 Member, Association of Chartered Physiotherapists interested in Neurology (ACPIN) 2008-present
- 6. European Huntington's Disease Network, 2007-present Member, Physiotherapy Working Group 2008-present
- 7. American Physical Therapy Association, 1988-present Member - New York Chapter; Sections on Neurology (1988-present), and Research (2014-present) Degenerative Diseases Special Interest Group, Neurology Section, 1999-present

LEADERSHIP AND ADVISORY POSITIONS

- 1. Huntington Disease Center of Excellence, Co-Chair, Digital Markers Working Group, 2019-present
- 2. APTA Neurology Section Task Analysis Task Force Leader, 2017-present
- 3. Consulting physical therapist, Huntington's Disease Center of Excellence, New York State Psychiatric Institute, Columbia University, NY, NY, September 2014-present
- 4. Spark Therapeutics. Natural History Study Advisory Board. April 2021
- 5. APTA Neurology Section Task Force on the Human Movement System, 2015-present
- 6. APTA Task Force on the Human Movement System, 2015-2018
- 7. Movement Disorders Society Task Force on Review of Huntington's Disease Functional and Quality of Life Rating Scales, 2015-2017
- 8. Teva pharmaceuticals consultant. Developed standard operating procedures for an international pharma company that has been used to support outcome measure training in two 50 site phase III drug trials in HD. The procedures have been developed under license from Cardiff University based on the Cardiff Physiotherapy Group's research into outcome measures, 2013-4
- 9. National Institute for Neurological Disorders and Stroke, Common Data Elements for Huntington's Disease, Functional Outcomes Task Force, 2011-12
- 10. European Huntington's Disease Network, Co-Lead Facilitator, Physiotherapy Working Group 2008-2014
- 11. Consultant, Laurel Lake Nursing Home, Huntington's Disease Unit, 2000-2003
- 12. Consultant, Terrence Cardinal Cooke Nursing Home, Huntington's Disease Unit 2000-2003, 2015-2017
- 13. American Physical Therapy Association, Degenerative Diseases Special Interest Group, Neurology Section, Founder and Chairperson, 1999-2003
- 14. Consulting physical therapist, Huntington's Disease Center of Excellence, New York State Psychiatric Institute, Columbia University, NY, NY,1996-2003

REVIEW ACTIVITIES

Editorial Boards

- 1. Journal of Neurologic Physical Therapy
 - Deputy Editor, 2024-present
 - Editor-in-Chief, elected, term beginning January 2025
- 2. Physical Therapy Journal
 - Associate Editor, 2024-present
 - Editorial Board Member, 2017-present
- 3. Journal of Huntington's Disease, Associate Editor, 2017-present

Ad hoc journal review activities

- 1. Journal of Neurologic Physical Therapy, 2000-present
- 2. Pediatric Physical Therapy, 2000-present
- 3. Movement Disorders, 2017- present
- 4. Medicine & Science in Sports & Exercise, 2017-present
- 5. BMC Neurology, 2017-present
- 6. Journal of Motor Learning and Development, 2020-present
- 7. BMC Health Services Research, 2022-present

8. Physical Therapy Journal, 2007-2017

External Grant Activities

- 1. National Institutes of Health, National Institutes of Neurological Disorders and Stroke. ZNS1 SRB-E 11R, Community Engaged Health Equity Research in Neuroscience Initiative Study Group, July 2024
- 2. Michael J Fox Foundation, Spring 2024 RFA: Freezing of Gait Program, 2024
- 3. Department of Veteran's Administration, Investigator-Initiated Research Program of VA's rehabilitation research and development, 2024
- 4. National Institutes of Health, RO3 applications PA21-221, 2023
- 5. National Institutes of Health, Fellowships: Risks, Prevention and Health Behavior, 2019
- 6. Irving Institute, Columbia University. Pilot Award Reviewer, 2015

TEACHING

- 1. Teachers College, Columbia University, NY, NY (2015-present). Full-time faculty in Movement Sciences program
 - BBSR 5504: Research Training Seminar
 - BBSR 5582: Research Design in Movement Sciences
 - BBSR 6563: Advanced Topics Seminars
 - BBSR 5505: Bases of Motor Control
 - BBSR 5057: Movement Disorders
- 2. Guest lecturer, Marist College, Poughkeepsie, NY (2019-present). Annual one day lecture on Huntington's Disease
- 3. Cardiff University, Cardiff, UK (2008-2013). Lecturer on topics of motor learning and motor control, and neuroplasticity
- 4. New York Medical College (1997-2005), Full-time faculty in graduate physical therapy program with problem-based learning teaching framework. Responsible for all pediatric and adult neurologic rehabilitation curriculum.
 - Acute Care Conditions
 - Chronic Care Conditions (including Pediatrics)
 - Neuroscience lecturer (basal ganglia, cerebellum, motor control)
 - Documentation and clinical decision making
- 5. Teachers College, Columbia University (1993-1995). Instructor in Motor Learning Program for Clinical Seminar Courses, integrating clinical practice in physical/occupational therapy with motor learning and motor control theories.
- 6. Guest Lecturer (1997-2003): Adelphi University, Garden City, NY; UMDNJ/Kean College, Newark, NJ; Hahnemann University, Philadelphia, PA

ADVISING AND MENTORING

Post-Doctoral Trainees

1. 2022-2023 Dipti Wani, PhD

Teachers College, Columbia University

Post-doctoral projects: Physical Activity Coaching via Telehealth for People with Parkinson Disease - A Cohort Study; Reliability and inherent variability of self-report physical activity measures among people with Parkinson disease; Floorstand transfer in people with Parkinson's disease

2. 2020-2022 Steffi Shih, PhD

Teachers College, Columbia University

Post-doctoral projects: Physical Activity Coaching via Telehealth for People with Parkinson Disease - A Cohort Study; Wearable activity monitors to support physical activity interventions in neurodegenerative disease: a feasibility study;

Dance interventions for individuals post-stroke - a scoping review.

Completed Doctoral Students (Sponsor)

1. 2019-2024 Chelsea Macpherson, PT, PhD

Teachers College, Columbia University

Role: Sponsor

Dissertation: Priming Motor Learning through Exercise in People with

Spinocerebellar Ataxia (PRIME-Ataxia)

2. 2017-2023 Nia Mensah, PT, PhD

Teachers College, Columbia University

Role: Sponsor

Dissertation: EngageCP: Defining and Measuring Physical Activity in Children

with Cerebral Palsy who are non-ambulatory at GMFCS levels IV & V

3. 2017-2021 Radhika Desai, PhD

Teachers College, Columbia University

Role: Sponsor

Dissertation: Neurophysiological Correlates of gait initiation in Huntington's and.

Parkinson's disease

4. 2016-2020 Nicholas Lee Parker, EdD

Teachers College, Columbia University

Role: Sponsor

Dissertation: The Effects of Attentional Focus on Novice and Expert Dynamic

Indoor Rowing Performance

5. 2016-2019 Katrina Long, EdD

Teachers College, Columbia University

Role: Sponsor

Dissertation: Pre-active PD: a therapist delivered physical activity behavior

change program for people with early stage Parkinson's disease

6. 2016-2019 Julie Fineman, EdD

Teachers College, Columbia University

Role: Sponsor

Dissertation: Dual task performance and prioritization in Parkinson's disease and

healthy elderly individuals: analysis of a novel assessment with increasing

complexity

7. 2015-2018 Lauri Bishop, PhD

Teachers College, Columbia University

Role: Sponsor

Dissertation: The Integration of Principles of Motor Learning to Reduce Gait Asymmetry Using a Novel Robotic Device in Individuals Chronically Post-Stroke

Current Doctoral Students

2024-present
 2024-present
 2023-present
 2023-present
 2022-present
 2022-present
 2020-present
 2020-present
 2019-present
 Alissa Pacheco

Dissertation Committees

1. Avery Dakin, PhD, 2024

Role: Defense Moderator

Dissertation: Varying Resistive Load and Time-Under-Tension During EMST to Examine Respiratory

Kinematics, Submental Excitation, Effort, and Specificity

2. Lorenzo Casertano, EdD, 2024

Role: Defense Moderator

Dissertation: The Effect of Early Rehabilitation and Multimodal Stimulation on Recovery in Patients with

Disorders of Consciousness and Cognitive Motor Dissociation

3. Grace Gerard, EdD, 2023

Role: Second Reader

Dissertation: Bimanual Coordination in Children with Bilateral Cerebral Palsy

4. James Borders, PhD, 2023 Role: Defense Moderator

Dissertation: Maximizing Cough Motor Learning with Skill Training in Parkinson's Disease

5. Haimei Sun, PhD, 2022

Role: Outside Reader

Dissertation: Using Eye Tracking to Investigate Reading Task Complexity Effects on L2 Learners' Content

Learning and Language Use

6. Laura Johanson, PhD, 2021

Role: Third Reader/Chair

Dissertation: Psychological Resilience as a protective factor for the motor system in multiple sclerosis

7. Julia Guzman, EdD, 2021

Role: Second Reader

Dissertation: Telewrite: A new telehealth-based assessment to evaluate the handwiriting skills of children in

first through third grade

8. Rand Hidayah, PhD, Columbia University, 2021

Role: Outside examiner

Dissertation: Modular Cable-driven Leg Exoskeleton Designs for Movement Adaptation with Visual Feedback

9. James Curtis, 2021

Role: Second Reader

Dissertation: Mechanisms of Respiratory-Swallow Coordination and the Effects of Skill Training on

Swallowing Rehabilitation in Parkinson's Disease

10. Ashley Goodwin, PhD, 2021

Role: Third Reader/Chair

Dissertation: Oxygen Uptake Kinetics in Skeletal Muscle Using Near-Infrared Spectroscopy (NIRS): Evaluating Healthy Responses of Muscle Deoxygenation

11. Kate Nealon, PhD, 2021

Role: Examiner

Dissertation: reliability of perceptual measureemtn of Apraxia of Speech characteristics

12. Role:Bhavini Surana, EdD, 2021

Role: Second Reader

Dissertation: Development of Segmental Intensive Trunk Training (SITT) for Children with Cerebral Palsy GMFCS IV-V

13. Katherine Newhouse, EdD, 2020

Role: Outside Reader

Dissertation: Small spaces, big moments: understanding the spatialized lived experiences of youth and adults in restricted educational programs

14. Pablo Rodriguez

Role: Outside Reader

Dissertation: Music Teaching Strategies for Students with Low Vision, Inclding Blindness

15. Ernest Byers. 2019

Role: Outside Reader

Dissertation: Leadership, Action Logics and Application of Lean in an Organizational Health Care Setting

16. Mark Louie

Role: Third reader/Chair

Dissertation: Exploring the Relationship Between Resistance Training and Resilience in Black/African American Men with Depressive Symptoms

17. Trevor Lee Miller, PhD, 2019

Role: Second Reader

Dissertation: Transfer and Generalization of Learned Manipulation between Unimanual and Bimanual Tasks

18. Daniel Geller, EdD, 2018

Role: Second Reader

Dissertation: Home mirror therapy: a randomized control study comparing unimanual and bimanual mirror therapy for improved arm and hand function post-stroke

19. Alexis Sidiropolous, PhD, 2018

Role: Third reader/Chair

Dissertation: The Influence of Upper Extremity Intensive Motor Learning Intervention on Inter-Limb Coordination in Children with Unilateral Spastic Cerebral Palsy

20. Shorhreh Anand, EdD, 2017

Role: Outside Reader

Dissertation: Learning to be involved: what does it mean for scleroderma patients?

21. Franchino Porcuincula, EdD, 2017

Role: Second Reader

Disseration: Relationship of postural control and gait in Huntington's Disease

22. Lisa Vernale, EdD, 2016

Role: Outside Reader

Dissertation: The Design, Implementation and Evaluation of an E-Health Video for Women Under Age Forty Not Eligible for Mammograms: Predictors of a High Rating of the Video

23. Chaviva Wolff, EdD, 2016

Role: Third Reader/Chair

Dissertation: Effect of alternating inter-manual training on hand shaping during grasp in children with unilateral spastic cerebral palsy

24. Norberto Quiles, EdD, 2016

Role: Chair

Dissertation: Physical Activity and Post-Exercise Cardioautonomic Function in People Living with HIV

Masters Student Advisement

1. Darbe Schlosser, Teachers College, Columbia University, 2021-2024

- 2. Taewook Yu, Teachers College, Columbia University, 2021-2024
- 3. Yihao Dong, Teachers College, Columbia University, 2021-2023
- 4. Miguel Blacutt, Advanced Master's Degree, Teachers College, Columbia University 2019-2021
- 5. Lorenzo Casertano, Teachers College, Columbia University 2019-2021
- 6. Ashrita Satchidanand, Teachers College, Columbia University 2019-2021
- 7. James Allen, Teachers College, Columbia University, 2019-2021
- 8. Haoyu Li, Teachers College, Columbia University, 2018-2021
- 9. Sophie Needleman, Teachers College, Columbia University, 2017-2020
- 10. Allegra Romita, Teachers College, Columbia University, 2017-2020
- 11. Gregory Youdan, Teachers College, Columbia University, 2016-2020
- 12. Danit Mark, Teachers College, Columbia University, 2017-2019
- 13. Talita Campos, Teachers College, Columbia University, 2018-2019
- 14. Shreya Jain, Teachers College, Columbia University, 2017-2019

Undergraduate and other Student Advisement (supervised internships in Neurorehabilitation Research Lab)

- 1. Fatima Awad, Barnard College, 2023-2024
- 2. Marina Kaplan, Columbia University STAR U PROGRAM, Summer 2023
- 3. Michelle Lin, Barnard College, 2021-2023
- 4. Maya Campbell, Barnard College, 2022-2023
- 5. Abigail Schreier, Barnard College, 2019-2021
- 6. Jamie Rieger, Barnard College, 2019-2021
- 7. Sam Landa, Columbia University, 2018-2020
- 8. Elizabeth McAneny, Barnard College, 2017-2018

COMMITTEES

Teachers College, Columbia University

1. 2024-present	Policy Review Committee
2. 2023-2024	Affirmative Action committee
3. 2022-2023	Research Advisory Committee
4. 2019-2020	Institutional Review Board
5. 2018-2020	Doctoral Dissertation Grant Review committee
6. 2018-2020	Dean's grant proposal
7. 2016-2018	Diversity committee