

Curriculum Vitae

Rachel Reoli, PT, DPT, NCS, PhD

Assistant Professor, Department of Physical Therapy and Rehabilitation Science, University of Maryland
School of Medicine

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Contact Information

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Education

2002-2006 B.S., Neuroscience, B.S., Psychology, Allegheny College
2006-2008 Continuing Education, Montgomery College
2012-2015 DPT, The George Washington University
2017-2022 PhD, The University of Maryland School of Medicine- Thesis Advisors: Dr Amy Bastian and Dr Jill Whittall.

Post Graduate Education and Training

2015-2016 Residency, Neurologic Physical Therapy, Johns Hopkins Hospital and University of Delaware

Certifications

2010-present CPR & AED, American Heart Association
2012-present CITI Collaborative IRB Training Initiative, University of Maryland Baltimore
2012-2018 Certified Dementia Practitioner, CDP
2016-present APTA Credentialed Clinical Instructor
2016-2024 CITI Collaborative IRB Training Initiative, The Johns Hopkins Hospital
2016 ABPT, Residency and Fellowship Education Credentialed Residency Graduate
2016-2018 InStep, American Spinal Injury Association
2017-present American Board of Physical Therapy, Neurologic Certified Specialist

Medical Licensures

2015-2017 Inactive, Delaware
2015-2019 Inactive, Washington DC
2015-2019 Inactive, Virginia
2015-present Active, Maryland

Clinical Appointments

2017-2019 Physical Therapist II, The Johns Hopkins Hospital
2018-2019 Clinical Instructor, DPT, The Johns Hopkins Hospital
2019-2022 Neurology Team Coordinator, The Johns Hopkins Hospital

Academic Appointments

2022-2024 Clinical Resource Analyst, The Johns Hopkins Hospital
2022-2024 Assistant Professor, Physical Medicine and Rehabilitation, Johns Hopkins University (JHU)
2024-present Assistant Professor, Department of Physical Therapy and Rehabilitation Sciences, Doctor of Physical Therapy Program, University of Maryland Baltimore
2024-present Assistant Professor, Physical Therapy and Rehabilitation Sciences, Graduate School, University of Maryland Baltimore

Professional Society Membership

2012-2022 APTA Neuro Section Member
2012-2016 APTA DC Chapter
2012-present American Physical Therapy Association
2012-present APTA MD Chapter

Honors And Awards

2002-2006 Trustee's Award Scholarship, Allegheny College
2006 Allegheny College Alden Scholar for High Academic Achievement, Allegheny College
2006 Guy Emerson Buckingham Scholar Award in Psychology, Allegheny College
2009 Distinguished Performance Award, Kelly Services, National Institutes of Health
2013 Excellence Award, The George Washington University DPT Program
2014 Scholarship, Johns Hopkins Critical Care Rehabilitation Conference
2017 1st Place Award, Regional Fall Conference and Student Conclave Sponsored by MD & DC Chapters. How do you rehabilitate balance when vision, sensation and vestibular systems are impaired? A case study. Wood J & Reoli R
2017 1st Place Award, Johns Hopkins Clinical Research Expo. How do you rehabilitate balance when vision, sensation and vestibular systems are impaired? A case study. Wood J & Reoli R
2018 Professional Development Program, Tier III, JHH.
2019 Professional Development Program, Tier I, JHH
2024 Wadsworth Award, University of Maryland Physical Therapy and Rehabilitation Science Program

Leadership Education

2018 Johns Hopkins Manager Development Program: nine, half-day sessions designed to equip supervisors with leadership skills: Leading Self, Leading Others, and Leading Teams.
2022 Emergenetics: Moving Thinking Forward
2022 SurePeople: Prism Psychometrics

Clinical Expertise

2017-2019	Inpatient Rehabilitation Physical Therapist II 100% FTE
2019-2022	Acute Care Neurology Team Coordinator 100% FTE (50% administration, 50% clinical care)
2022-2024	Clinical Resource Analyst 100% FTE (25% patient care, 75% quality improvement/research)

Development of Clinical Programs:

2018-2022	Sheikh Khalifa Stroke Institute, planning committee, creator and presenter of educational content.
2021	Jeddah Park Rehabilitation Institute, planning committee, presented inpatient rehabilitation model.
2022-2024	Pediatric Delivery of Care Development, creator and implementor, Johns Hopkins Hospital
2022-2024	In-Room Independence Scale, Johns Hopkins Hospital Inpatient Rehabilitation Facility
2022-2024	Rehabilitation Gaming Technology Room, Johns Hopkins Hospital Comprehensive Inpatient Integrated Rehabilitation Program
2022-2024	Metric Development, Johns Hopkins Hospital Quality Improvement Team: Acute Care Service, Comprehensive Inpatient Integrated Rehabilitation Program, psychologic occupational therapy, pediatrics

Institutional Service

2017-2024	Johns Hopkins Hospital (JHH) Neurologic Residency Mentor
2019-2022	Interviewer, JHH PM&R Interview Committee
2022-2024	Research Help Member, JHH PM&R
2022-2024	Quality Improvement Member, in-patient rehabilitation, JHH PM&R
2022-2024	Quality Improvement Member, psychiatric OT & pediatrics, JHH PM&R
2024-present	Curriculum Coordinating Committee Chair, University of Maryland Baltimore (UMB)
2024-present	University of Maryland School of Medicine (UMSOM) Faculty Senate, UMB
2024-present	Data Safety and Monitoring Board, UMB
2025-present	Institutional Faculty Nominating Committee, UMB
2025-present	UMSOM PTRS Strategic Plan Working Group, UMB

National Service

2012-present	Member, American Physical Therapy Association
2023-present	Article Reviewer, F1000 Research (1x/year)
2024-present	Article Reviewer, Journal of Gerontology (1x/year)
2025-present	Article Reviewer, Physiotherapy Theory and Practice (1x/year)
2025-present	Article Reviewer, Digital Health (1x/year)
2025-present	Article Reviewer, PTJ (1x/year)
2025-present	Article Reviewer, Disability and Rehabilitation (1x/year)

Local Service

2012	Nation's Triathlon to Benefit the Leukemia & Lymphoma Society, Washington DC.
2012	Best Buddies Challenge Washington Monument 5k, Washington DC.
2012	Commitment to the Community Day: Kid's Against Hunger & Operation Smile, Washington DC.
2013	DC Falls Coalition Prevention Day, Congress Heights, Washington DC.
2013	Capitol Hill United Church Food Drive, Washington DC.
2013	Challenger's Baseball, Arlington VA.
2013	PAHO World Health Day 3k Walk for Hypertension Awareness, Washington DC.
2013	Cherry Blossom 10 miler, Washington DC.
2014	GWU Multiple Sclerosis PT Study, Washington DC.
2014	The Jackson Clinics 5k, Springfield VA.
2014	Cherry Blossom 10 miler, Washington DC.
2015	World Stroke Day Community Outreach, Baltimore MD.
2015	Columbia Turkey Chase, Columbia MD.
2015	Cherry Blossom 10 miler, Washington DC.
2016	Cherry Blossom 10 miler, Washington DC.
2017	Hackerman House Dinner, Johns Hopkins Hospital, Baltimore MD.
2017	Cherry Blossom 10 miler, Washington DC.
2018	Cherry Blossom 10 miler, Washington DC.
2023	Filbert Street Garden Volunteer, Baltimore MD.
2023	Johns Hopkins Hospital, Stroke & Amputee Run/Walk, Columbia MD.
2023	Brain Injury Awareness, Scarecrow Run, Sykesville MD.
2023	AOTA, Therapy Recruiter, Baltimore MD.
2024	Brain Injury Awareness, Scarecrow Run, Sykesville MD.
2024	APTA of MD, Speed Dating, Fall Conference, Anne Arundel MD.
2018-present	APTA Continuing Education Committee, Baltimore MD.
2025-present	APTA of MD, Vice President, Baltimore MD.

Undergraduate Student Teaching

2004-2006	Teaching Assistant, Laboratory of Neurophysiology, Allegheny College, 25 undergraduate students, 6 contact hours/week.
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Post-Graduate Teaching

Doctor of Physical Therapy Teaching

2015	Neuroscience, DPT students, 3 contact hours/week/semester, 2 semesters
2016	Grand Rounds, DPT students, 3 contact hours.
2017-2020	Research Seminar, DPT students, 1 contact hour/semester, 6 semesters.
2019	Cerebellar Lecture, Fall 2019. NM2 DPT students, 2 contact hours.
2019	Foot and Ankle, MSK DPT students, 2 contact hours.
2019	Hip, MSK DPT students, 3 contact hours.
2020	Cerebellar Exam, NM1 DPT students, 3 contact hours.
2021	Pediatric Traumatic Brain Injury. NM2 DPT students, 2 contact hours.
2021	Vestibular Exam, NM1 DPT students, three contact hours.
2024	Neuromuscular 2, 135 contact hours, Block Leader. Neuromuscular 1, 120 contact hours, Block Leader. Basic Science 2, 30 contact hours. Basic Science 1 Anatomy, 40 contact hours.

2025 Neuromuscular 2, 135 contact hours, Block Leader. Neuromuscular 1, 120 contact hours, Block Leader. Basic Science 2, 30 contact hours. Basic Science 1 Anatomy, 40 contact hours.

PhD Rehabilitation Science Graduate Student Teaching:

2024 Basal Ganglia and Cerebellum, University of Maryland Baltimore, 3 contact hours.

Medical Student Teaching:

2024 Gross Anatomy, Spine, University of Maryland, 3 contact hours

Medical Resident/Fellow Teaching

2023 Guest Lecturer, Motor Learning, 2 contact hours/year, Johns Hopkins Hospital

2024 Guest Lecturer, Cerebral Palsy, 2 contact hours/year, University of Maryland

Resident and Fellow Teaching

Neurologic Physical Therapy Residents: 1 year rotation, 3 hours/week/year contact time.

2017 Meredith Drake, DPT NCS, Level II JHH Outpatient DPT.

2017 Jonathan Wood, DPT NCS, PhD Candidate at University of Delaware.

2018 Rachael Arabian, DPT NCS, Vestibular DPT, Advent Health Celebration.

2018 Julia Falkenklaus, DPT NCS, Level II Acute Care JHH Stroke DPT.

2019 Nicole Biltz, DPT NCS, Assistant Professor, Western U Northwest.

2019 Megan Ziegler DPT NCS, DPT University of Delaware.

2020 Marielle Handley DPT NCS, DPT, New York.

2020 Casey Houlihan DPT NCS, DPT Marquette University PT Clinic.

2021 Coco Vigilar DPT, NCS, DPT, University of Southern California.

2022 Chris Fulcher DPT, University of Florida.

2023 Mariah Callas DPT, University of Pittsburgh.

2024 Marina Kissner DPT, University of Maryland.

2025 Taylor Pennel DPT, *current Kennedy Krieger Institute Resident*

2025 Elizabeth Cheung DPT, *current University of Maryland Resident*

Other Guest Lecturer Opportunities

2014 Community Outreach: Senior Fitness Model, 50 Physical and Occupational Therapists, 1 contact hour, Bayview JHH.

2014 Persistent Pain, 10 Physical Therapists, 1 contact hour, Jackson Clinics.

2016 Early Mobility After Stroke, 20 Physical and Occupational Therapists, 1 contact hour, ACS, JHH.

2016 DPT Clinical Instructor, 2 graduate students, 6 hours/week. University of Delaware, STAR Campus, Newark DE

2017 Stroke Competency for Multi-Disciplinary Teams, 50 CIIRP staff, 2 contact hours, JHH.

2017 ARAT Competency, 20 Physical and Occupational Therapists, 1 contact hour, JHH.

2017 Lessons in Interdisciplinary Communication, Daniels Class, University of Notre Dame, 50 students, 3 hours/year.

2017-2018 DPT Clinical Instructor, 1 graduate student, 8 hours/day, 12 weeks. JHH

2018 JHH, Persistent Pain, 20 Physical Therapists and Occupational Therapists, 1 contact hour, JHH.

2023 Pediatric Coma Stimulation, Virtually Lead, APTA of MD, 2 contact hours.

Grant Support

Active Grants:

2025: NIH RO1- under review

Peer-reviewed journal articles

1. **Reoli R**, Therrien A, Millar J, Hill N, Varghese R, Roemmich R, Whitall J, Bastian A, Keller J. The Berg Balance Scale is reliable and valid in the telehealth setting for patients with Parkinson's disease. *Accepted Topics in Geriatrics* 2026.
2. Marchese V, Duggal A, Sun K, Situt M, York T, **Reoli R**. Barriers to Access and Utilization of Physical Therapy for People with Sickle Cell Disease. *Accepted Journal of Acute Care Physical Therapy*.
3. Marchese V, Savage L, Martins L, Shelawala N, Huyhn A, Rudy A, **Reoli R**. The path to finding clarity in the term "intensity," a physical function intervention parameter: a systematic review. *Accepted Physical Therapy Reviews*.
4. Marchese V, Savage L, Sun K, Situt M, York T, **Reoli R**. Physical therapy is an underutilized health resource for children with pediatric cancers: facilitators for improvement. *Accepted Healthcare*.
5. Marchese V, Duggal A, Shelawala N, Sun K, Rolla K, Rudy G, Vishwasrao S, **Reoli R**. High Cost of Medical Care Compared to Physical Therapy for People with Sickle Cell Disease: A Scoping Review and Follow-up Analysis. *Journal of Health and Medical Economics*. 2025. DOI: [10.5281/zenodo.17150913](https://doi.org/10.5281/zenodo.17150913)
6. **Reoli R**, Marchese V, Kaplan K. Artificial Intelligence's Benefit in Doctor of Physical Therapy Education: Student Perceptions. *Physiotherapy Theory and Practice*. 2025. <https://doi.org/10.1080/09593985.2025.2496978>
7. Pascal K, Roemmich R, **Reoli R**. Group physical therapy improves outcomes for patients on an inpatient psychiatric pain service. *British Journal of Pain*. 2025. <https://doi.org/10.1177/20494637251343553>
8. Myer, A., Lenker H., & **Reoli, R**. The optimum frequency for physical therapy intervention in pediatric patients undergoing bone marrow transplantation in the acute care setting: a systematic review. *Rehabilitation Oncology*. 2024. DOI: <https://doi.org/10.1097/01.REO.0000000000000376>
9. Lenker H & **Reoli R**. Rehabilitation frequency for pediatric patients with burns: a scoping review. *Accepted Clinical Pediatrics* 2024. DOI: [10.1177/00099228241263778](https://doi.org/10.1177/00099228241263778)
10. **Reoli R**, Wilkins E, Klag J, Hoyer E, Lavezza A. How safe is your patient to mobilize: the John Hopkins Hospital In-room Independence Scale (IRIS). *Am J Phys Med Rehabil*. 2024. DOI: 10.1097/PHM.0000000000002407.
11. **Reoli R**, Therrien A, Millar J, Hill N, Varghese R, Roemmich R, Whitall J, Bastian A, Keller J. The Scale for Assessment and Rating of Ataxia is reliable and valid for in the telehealth setting for patients with cerebellar ataxia. *PTJ*. 2024. 104(3).
12. Walsh B, Spence T, Mack B, **Reoli R**. Identifying meaningful goals in inpatient psychiatric care: patient perspectives through the Canadian Occupational Performance

Measure. Occupational Therapy in Mental Health, 2023. DOI: [10.1080/0164212X.2023.2285315](https://doi.org/10.1080/0164212X.2023.2285315)

13. **Reoli R**, Therrien A, Cherry-Allen K, Keller J, Millar J & Bastian A. Is the Dynamic Gait Index a useful outcome to measure balance and ambulation in patient with cerebellar ataxia? *Gait Posture*. 2021, 89:200-205.
14. **Reoli R**, Cherry-Allen K, Therrien A, Keller J, Leech K, Leddy Whitt A & Bastian A. Can the ARAT be used to measure arm function in people with cerebellar ataxia? *Physical Therapy*. 2021. Feb 4, 101(2).
15. Matsumoto N, Eldridge M, Saunders R, **Reoli R**, Gothard K & Richard B. Mild perceptual categorization deficits follow bilateral removal of anterior inferior temporal cortex in rhesus monkeys. *J Neurosci*. 2016. Jan 6;36(1):43-53.
16. Jonely H, Brismee JM, Desai M & **Reoli R**. Sacroiliac joint dysfunction in a 35-year-old nulliparous female: a multimodal and multidisciplinary approach to management. *J Man Manip Ther*. 2015. Feb;23(1):20-6.

Submitted or In-Revision Peer-reviewed journal articles

1. Kaplan K, Marchese V, **Reoli R**. ChatGPT as a Tutoring Aid: A Mixed Methods Exploration of Physical Therapy Students' Experiences. *Under Review 2025*.

Major Invited Speeches

Local

1. Reoli, R. How Reliable are Our Physical Therapy Outcome Measures? Kennedy Krieger Motion Analysis Laboratory, 2019.
2. Reoli, R. Johns Hopkins Hospital Residency Graduation, Keynote Speaker. 2024.
3. Reoli, R. Neurorehabilitation and the Role of High Intensity Gait Training. UMSOM Continuing Education Programing. Keynote Speaker. 2024.

National

Speaker:

1. **Reoli, R.**, Rowland, R., Horn, L. APTA of Maryland Fall Regional Conference. Physical Therapy and Imaging. November 2025.
2. **Reoli, R.**, Marchese, T., APTA Combined Sections Meeting. Educational Session. Barriers to Access and Utilization of Physical Therapy for People with Sickle Cell Disease. February 2025.
3. **Reoli, R.**, Lenker, H., Lavezza A., Sarah M. APTA Combined Sections Meeting. Educational Session. Pediatric Delivery of Care. February 2024.

Poster:

1. 2025- ELC. ChatGPT as a Tutoring Aid: A Mixed Methods Exploration of Physical Therapy Students Experiences. Kaplan K, Marchese V, Reoli R.
2. 2025- APTA of MD Fall Regional Conference. Artificial Intelligence's Benefit in Doctor of Physical Therapy Education: Student Perceptions. Reoli R, Duggal A, Marchese V, Kaplan K
3. 2025- University of Maryland Baltimore Research Day. Effects of Gait Training on the Functional Outcome of an Individual with a Non-Traumatic Brain Injury. Liu J & Reoli R.

4. 2025- University of Maryland Baltimore Research Day. Combining HIGT with Perturbation Balance Training to Improve Walking Distance and Speed for a Patient with Chronic Incomplete Spinal Cord Injury. Beauchamp S, Dillon A, Reoli R.
5. 2022- Johns Hopkins Clinical Research Expo. Beyond the desk: enriched SLP (eSLP) cognitive training program: a novel approach to neurovascular rehabilitation. Karagiorgos E & Reoli R.
6. 2022- Johns Hopkins Clinical Research Expo. Occupational therapy outcomes in a psychiatric day hospital. Spence T, Roemmich R, Reoli R & Lehman S.
7. 2022- Johns Hopkins Clinical Research Expo. Evaluating the impact of an occupational therapy fellowship on self-perceived competence. Walsh B & Reoli R.
8. 2021- APTA Combined Sections Meeting. Rehabilitation after acoustic schwannoma resection complicated by cerebellar infarct: a patient-centered and evidence-based approach. Handley M & Reoli R.
9. 2020 APTA of MD Mini CSM. Can the ARAT be used to measure arm function in people with cerebellar ataxia? Rachel Reoli PT, DPT, Kendra Cherry-Allen PT, DPT, PhD,¹ Amanda Therrien PhD, Jennifer Keller PT, Kristan Leech PT, DPT, PhD, Abigail Leddy Whitt PT, DPT, MSCI, Amy Bastian PT, PhD
10. 2019 Johns Hopkins Clinical Research Expo. Can the ARAT be used to measure arm function in people with cerebellar ataxia? Rachel Reoli PT, DPT, Kendra Cherry-Allen PT, DPT, PhD,¹ Amanda Therrien PhD, Jennifer Keller PT, Kristan Leech PT, DPT, PhD, Abigail Leddy Whitt PT, DPT, MSCI, Amy Bastian PT, PhD
11. 2019 APTA Fall Regional Conference. Can the ARAT be used to measure arm function in people with cerebellar ataxia? Rachel Reoli PT, DPT, Kendra Cherry-Allen PT, DPT, PhD,¹ Amanda Therrien PhD, Jennifer Keller PT, Kristan Leech PT, DPT, PhD, Abigail Leddy Whitt PT, DPT, MSCI, Amy Bastian PT, PhD
12. 2018 Johns Hopkins Clinical Research Expo. To tape or not to tape? Management of clonus with kinesiology tape: a case study. Klag J & Reoli R.
13. 2018 APTA Combined Sections Meeting. How do you rehabilitate balance when vision, sensation, and vestibular systems are impaired? A case Study. Wood J & Reoli R.
14. 2017 Johns Hopkins Clinical Research Expo. How do you rehabilitate balance when vision, sensation, and vestibular systems are impaired? A case Study. Wood J & Reoli R.
15. 2017 Regional Fall Conference and Student Conclave Sponsored by MD, DC Chapters. How do you rehabilitate balance when vision, sensation, and vestibular systems are impaired? A case Study. Wood J & Reoli R.
16. 2017 APTA Combined Sections Meeting. The Effect of Sport-specific Dual Task on Gait Apraxia in an Older Athlete with Acquired Brain Injury: A Case Study. Skolky R & Reoli R.
17. 2017 APTA Combined Sections Meeting. Effect of axial weighting on functional mobility and level of assistance for a patient with cerebellar ataxia of gait due to chronic traumatic brain injury. Reoli R & French M.
18. 2017 APTA Combined Sections Meeting. Standardized Outcome Measures In the Clinic, How Standard Are You? Fitzpatrick B, Reoli R, & Reisman D.
19. 2016 Regional Fall Conference and Student Conclave Sponsored by the DC, DE, MD Chapters. Effect of axial weighting on functional mobility and level of assistance for a patient with cerebellar ataxia of gait due to chronic traumatic brain injury. Reoli R & French M.

20. 2016 Johns Hopkins Hospital Clinical Showcase. Effect of axial weighting on functional mobility and level of assistance for a patient with cerebellar ataxia of gait due to chronic traumatic brain injury. Reoli R & French M.
21. 2016 Johns Hopkins Hospital Clinical Showcase. The Effect of Sport-specific Dual Task on Gait Apraxia in an Older Athlete with Acquired Brain Injury: A Case Study. Skolky R & Reoli R.
22. 2016 Johns Hopkins Hospital Clinical Showcase. Standardized Outcome Measures In the Clinic, How Standard Are You? Fitzpatrick B, Reoli R, & Reisman D.
23. 2015 GWU Research Days. Is Ankle Dorsiflexion In Healthy Subjects Improved With Closed Chain Joint Mobilization Using A Novel Device? A Pilot Study. Reoli R, Farnsworth J, Lustig L, Jonely H & Scalzitti D.
24. 2014 AAOMPT. Chronic Sacroiliac Joint And Pelvic Girdle Dysfunction In A 35-Year-Old Nulliparous Woman Successfully Managed With Multimodal And Multidisciplinary Approach. Reoli R, Jonely H, Brismée JM & Desai MJ. PO#57.
25. 2014 GWU Research Days. Chronic Sacroiliac Joint And Pelvic Girdle Dysfunction In A 35-Year-Old Nulliparous Woman Successfully Managed With Multimodal And Multidisciplinary Approach. Reoli R, Jonely H, Brismée JM & Desai MJ.
26. 2014 GWU Research Days. Active Music Therapy for Individuals with Alzheimer's Disease and Dementia. Jorgensen B, Reoli R, Fry M, White J, & Leach S.
27. 2014 GWU Partnerships for Health. Active Music Therapy for Individuals with Alzheimer's Disease and Dementia. Jorgensen B, Reoli R, Fry M, White J, & Leach S.
28. 2007 Society for Neuroscience meeting. Turchi JN, Reoli R, Saunders RC, and Mishkin M. Neuromodulation of cognitive memory vs. habit formation. *Soc Neurosci Abstr* 33: 638.12, 2007.

International

1. **Reoli, R.,** World Summit of Pediatrics, 9th Annual Conference, Physical therapy is an underutilized health resource for children with pediatric cancers: facilitators for improvement. Vienna Austria, 2025.
2. **Reoli, R.,** Sheikh Khalifa Stroke Institute, 2nd Annual Recovery After Stroke Conference, Inpatient Rehabilitation Gaming Technology, Virtual, 2022.
3. **Reoli, R.,** Johns Hopkins Hospital: Sheikh Khalifa Stroke Institute, Motor Control; Hemiplegia; Ataxia, Virtual, 2021.