

Jean Marie Berliner, PT, PhD, DPT, NCS

Assistant Professor, School of Physical Therapy, Rueckert-Hartman College for Health
Professionals

Regis University

3333 Regis Blvd

Denver, CO 80221

Office: (303)458-1811

Email: Jberliner@regis.edu

Education and Training

2013-2018	Doctor of Philosophy , Rehabilitation Science The University of Colorado Denver, Aurora, Colorado
2012-2013	Doctor of Philosophy , Ph.D. Student in Rehabilitation Science The University of Texas Medical Branch, Galveston, Texas
2008-2010	Transitional Doctor of Physical Therapy , Physical Therapy The University of Scranton, Scranton, Pennsylvania
2004-2005	Master of Physical Therapy , Physical Therapy The University of Scranton, Scranton, Pennsylvania
2000-2004	Bachelor of Science , Physical Therapy Minor: Spanish Language The University of Scranton, Scranton, Pennsylvania

Licensure Information/Registration Number

Active	Physical Therapy Colorado State License: No. 0012748
Inactive	Physical Therapy Texas State License: No. 1191730
Inactive	Physical Therapy New York State License: No. 027443-1

Certifications:

2021	American Heart Association BLS CPR Certified
2012	American Physical Therapy Association Neurologic Clinical Specialist
2012	IMPACT Neuropsychological evaluation and interpretation
2011	American Physical Therapy Association Pediatric Vestibular Competency
2011	Academy of Brain Injury Specialists Certified Brain Injury Specialist (In-active)
2011	American Physical Therapy Association Vestibular Competency
2011	Neuro IFRAH Certified Physical Therapist (In-active)

2009 American Physical Therapy Association Credentialed Clinical Instructor

Employment and Professional Research and Teaching

- 2018-Present **Affiliate Faculty**, Regis University, Denver, Colorado
- Assisted in lecture, lab, and grading responsibilities for classes including Neuroscience, Neurologic Clinical Management, Neurologic Clinical Management II, Evidence Based Practice, Movement Science, Kinesiology,
- 2018-Present **Guest Lecturer**, University of Colorado, Denver- Anschutz Medical Campus, Aurora, Colorado
- 2013-Present **Research Assistant**, University of Colorado, Denver- Anschutz Medical Campus, Aurora, Colorado
- 2013-Present **Teaching Assistant**, University of Colorado, Denver- Anschutz Medical Campus, Aurora, Colorado
- 2011-2013 **Clinical Instructor**, TIRR Memorial Hermann, Houston, Texas
- 2011-2013 **TIRR Neurologic Residency Program Faculty Member**, TIRR Memorial Hermann, Houston, Texas
- 2008-2009 **Clinical Instructor**, RUSK Rehabilitation at NYU Langone Health, New York, New York

Employment and Clinical Experience

- 2009-2014 **TIRR Memorial Hermann, Houston, Texas**
- Physical Therapist III - Supplemental**, August 2012- August 2013
- Physical Therapist III**, November 2011- August 2012
- Physical Therapist II**, November 2009- November 2011
- Evaluate the needs of patients with diverse conditions and impairments and implement comprehensive physical therapy treatment in the adult and pediatric outpatient rehabilitation setting.
 - Mentor student interns and neurologic residents, provide student and resident modules, present in-services, and conduct specialized tasks including clinical competency assessments, performance appraisals, peer interviews, and specialized treatments.
- 2007-2009 **RUSK Rehabilitation at NYU Langone Health, New York, New York**
- Senior Physical Therapist**, August 2008 – October 2009
- Staff Physical Therapist**, February 2007 – August 2008
- Evaluate the needs of patients with diverse conditions and impairments and implement comprehensive physical therapy treatment. Focus on subspecialty

areas: Inpatient Acute Care, Intensive Care Units, Chest PT, Adult Inpatient Rehabilitation, and Adult Outpatient Rehabilitation.

- Conduct specialized tasks relevant to department assignments including: instructing and supervising student interns, morning rounds, wound care rounds, aquatic therapy, and staff training.

2005-2006 **Catholic Medical Mission Board / Nuestros Pequeños Hermanos**, Tegucigalpa, Honduras

On-Site Physical Therapist Volunteer, September 2005 – December 2006

- Lived and worked on-site at an orphanage, treating children and adults on-site for a variety of orthopedic and neurological conditions. Implemented exercise programs and individualized therapies in a community geriatric facility and AIDS hospice and provided treatment on a walk-in basis at a village medical clinic and traveled to local villages to administer home-care therapy.

2002-2005 **MACKAREY & MACKAREY PHYSICAL THERAPY**, Scranton, Pennsylvania

PHYSICAL THERAPY AIDE

Peer-Reviewed Publications

1. Buard I, Lopez-Esquivel N, Schoeneberger S, **Berliner J**, Kluger B. (2020). Transcranial magnetic stimulation as a treatment for mal de débarquement syndrome: Case report and literature review. *Cognitive and Behavioral Neurology* (In press).
2. Jones W, Silkworth W, Dusto N, Pelak VS, **Berliner J**, Buard I, Kluger B. (2018). Central visual oscillopsia: Case report and review of the literature. *Cognitive and Behavioral Neurology*, 31(2), 86-95. Doi: 10.1097/WNN.0000000000000151
3. **Berliner JM**, Kluger BM, Corcos DM, Pelak VS, Gisbert R, McRae C, Atkinson CC, Schenkman M. (2018). Patient perceptions of visual, vestibular, and oculomotor deficits in people with Parkinson's disease. *Physiotherapy Theory and Practice*. 2018:1-8. doi: 10.1080/09593985.2018.1492055.
4. Buard, I., **Berliner, J. M.**, & Kluger, B. M. (2018). Low frequency repetitive transcranial magnetic stimulation: Potential role in treatment of patients with hemispheric cerebellar strokes. *Brain Stimulation: Basic, Translational, and Clinical Research in Neuromodulation*, 11(3), 653-655. doi: 10.1016/j.brs.2018.02.012.
5. Jones, W., Silkworth, W., Dusto, N., Pelak, V. S., **Berliner, J.**, Buard, I., & Kluger, B. (2018). Central visual oscillopsia: Case report and review of the literature. *Cognitive And Behavioral Neurology*, 31(2), 86-95. doi: 10.1097/WNN.0000000000000151.
6. Mañago, M.M., Schenkman, M., **Berliner, J.**, Herbert, J.R. (2016). Gaze Stabilization and dynamic visual acuity in people with multiple sclerosis. *Journal of Vestibular Research*, 26(5-6), 469-477. doi: 10.3233/VES-160593.

In-Process Publications

1. **Berliner JM**, Kluger B, Corcos D, Foster CA, Pelak VS, Sillau S, Schenkman M. (2017). Visual, Vestibular, and Oculomotor Deficits in People with Parkinson's Disease.

2. **Berliner JM**, Kluger B, Corcos D, Foster CA, Pelak VS, Sillau S, Schenkman M. (2017). Fatigue and the Relationship to Visual, Vestibular, and Oculomotor Deficits in People with Parkinson's Disease.

Peer-Reviewed Abstracts

1. **Berliner JM**, Kluger B, Corcos D, Foster CA, Pelak VS, Sillau S, Schenkman M. (2019). The Presence of Visual, Vestibular, Oculomotor, and System Integration in Parkinson's Disease. Poster Presented at APTA CSM 2019 Washington D.C.
2. **Berliner JM**, Kluger B, Corcos D, Foster CA, Pelak VS, Sillau S, Schenkman M. (2019). Are Deficits of the Visual, Vestibular, and Oculomotor Systems Related to Fatigue in Parkinson's Disease? Poster Presented at APTA CSM 2019 Washington D.C.
3. **Berliner JM**, Kluger B, Foster CA, Pelak VS, Gisbert R, Schenkman M. (2017). A Study of Patient Perceptions with Respect to Visual, Vestibular, Oculomotor Deficits, and Fatigue in People with Parkinson's Disease. Poster Presented at APTA CSM 2017 San Antonio, Texas.

Other Scholarly Work

1. **Berliner JM**. American Physical Therapy Association, Section on Neurology Physician Education Fact Sheet: *Cervicogenic Dizziness*.
2. **Berliner JM**. American Physical Therapy Association, Section on Neurology Physician Education Fact Sheet: *Visual Vertigo and Motion Sensitivity*.

Presentations & Lectures

1. "Patient Perceptions of Visual and Vestibular Deficits in Parkinson's Disease." Regis University Brown Bag Research Talk, Denver, CO, January 2019.
2. "Visual, Vestibular, and Oculomotor Symptoms in Parkinson's Disease: Are they Related to Fatigue?" Gersten Education Day, University of Colorado Denver, Anschutz Medical Campus, Aurora, CO, June 2018.
3. "Visual, Vestibular, and Oculomotor Problems People Might Experience with Parkinson's Disease" Parkinson's disease support group, Denver, CO, March 2017.
4. "Exercise and Parkinson's Disease; The Current Research" Parkinson's disease support group, Denver, CO, March 2015.
5. "Assessing Visual, Vestibular, and Oculomotor Deficits in People with Parkinson's Disease" University of Colorado Hospital, Aurora, CO, January 2015.
6. "Clinical Practice Guidelines" University of Texas Medical Branch, Galveston, TX March, 2013
7. "Vestibular Rehabilitation: Clinical Evaluation and Management" TIRR Memorial Hermann Symposium 2012, Houston, TX, August 2012.
8. "Gait Assessment and Treatment Lab for patients with Spinal Cord Injury", Lab instructor to physical therapy students from University of Texas Medical Branch and Texas Women's Universities- TIRR Memorial Hermann, Houston, TX, March 2012.
9. "Vestibular Assessment and Treatment" Lab instructor to physical therapy students from Texas Women's University- TIRR Memorial Hermann, Houston, TX, April 2012.
10. "Post-concussion Physical Therapy Management: Education Course for Memorial Hermann Athletic Trainers" TIRR Memorial Hermann, Houston, TX, December 2011.

11. "Transfers: A Student Module for Student Physical Therapists" TIRR Memorial Hermann, Houston, TX, November 2009-August 2012.
12. "Advanced Wheelchair Skills: A Student Module for Student Physical Therapists" TIRR Memorial Hermann, Houston, TX, November 2009-August 2012.
13. "Transfers Competency Assessment for Employees" TIRR Memorial Hermann, Houston, TX, November 2011-August 2012.
14. "Advanced Wheelchair Skills for the Neurologic Physical Therapy Resident" TIRR Memorial Hermann, Houston, TX, 2011-2012.
15. "Vestibular Rehabilitation: Key Information for a Medical Resident" Baylor/ University of Texas residency programs TIRR Memorial Hermann, Houston, TX, 2011-2012.
16. "The Treatment of Low Back Pain in the Neurologic Patient" TIRR Memorial Hermann, Houston, TX, Sept 2011.
17. "The Bariatric Patient: Medical Management and Physical Therapy Treatment" RUSK Rehabilitation at NYU Langone Health, New York, NY, October 2009.
18. "Spasticity Management: Physical Therapy and Pharmacologic Interventions" Rusk Rehabilitation at NYU Langone Health, New York, NY, December 2008.
19. "Volunteering as a Physical Therapist in a Developing Country: Experiences and Challenges" The University of Scranton, Scranton, PA, May 2009.
20. "Volunteering as a Physical Therapist in a Developing Country: How it Has Contributed to My Practice" Rusk Rehabilitation at NYU Langone Health, New York, NY, May 2007.

Research Activity

A Novel Approach to Fatigue in Parkinson's Disease

Davis Phinney Foundation \$42,000 Schenkman (PI)

07/01/16-07/01/18

This cross sectional study is designed to characterize impairments in a sample of individuals with PD of dynamic visual acuity, [DVA], vestibular deficits (videonystagmography, [VNG]), and visual focus in a moving environment (radial optic flow, [ROF]). We will also pilot a trial intervention for the treatment of fatigue.

Role: Co-I

A Community Exercise Program for Persons with Parkinson's Disease

YMCA of Boulder Valley \$10,000 Berliner (PI)

04/01/16-07/01/17

This study is designed to examine outcomes of a community exercise program in a naturalistic setting with regards to physical function, quality of life, and safety.

Role: PI

Fatigue in Parkinson's Disease: The Contribution of Visual, Vestibular, and Oculomotor Deficits

ProjectSPARK \$10,000 Schenkman (PI)

03/01/16-03/01/17

This cross sectional study is designed to characterize impairments in a sample of individuals with PD of dynamic visual acuity, [DVA], vestibular deficits (videonystagmography, [VNG]), and visual focus in a moving environment (radial optic flow, [ROF]).

Role: Co-I

A Study of Patient Perceptions with Respect to Visual, Vestibular, Oculomotor Deficits, and Fatigue in People with Parkinson's Disease

Non-Funded Berliner (PI)

04/20/15-05/01/16

This exploratory qualitative study is designed to understand the impact of visual, vestibular, and oculomotor deficits, as well as their potential perceived relationship to fatigue, as perceived by people who live with Parkinson's disease.

Role: PI

Professional Affiliations

2018-Present	Reviewer for the journal <i>Physiotherapy Theory and Practice</i>
2003-Present	American Physical Therapy Association Member Sections: Neurology, Geriatrics, Education, and Research
2012-Present	American Physical Therapy Association Vestibular Special Interest Group
2012-Present	American Physical Therapy Association Spinal Cord Injury Special Interest Group
2012-Present	American Physical Therapy Association Traumatic Brain Injury Special Interest Group
2010-Present	Vestibular Disorders Association
2010-Present	Brain Injury Association of America Certified Brain Injury Specialist

Service to the University

2020-Present	RHCHP Global Health Committee
2020-Present	RHCHP Coucil for Research and Scholarship
2020-Present	SoPT Research Committee

Community Service

2018-Present	Board Member: Denver Associate Board NPH USA: Develop community awareness and fundraising regarding NPH USA, a non-profit organization providing housing, food, comprehensive education, healthcare, and spiritual formation to orphaned, abandoned, and disadvantaged boys and girls in Central and South America and the Caribbean (Nuestros Pequeños Hermanos International).
2018-Present	Research Department/Volunteer: Rehabilitation Services Volunteer

Partnership- RSVP (Colorado): Providing free healthcare to un-insured individuals that suffered catastrophic injury. Researching disparity and inequity in healthcare and rehabilitation outcomes.

2011-2013 **Volunteer/Co-Founder:** Rehabilitation Services Volunteer Program- RSVP (Texas): Providing free healthcare and medical equipment to un- and under-insured individuals with physical disabilities.

2005-2006 **Physical Therapist/Volunteer:** Catholic Medical Mission Board/Nuestros Pequeños Hermanos (Honduras, Central America): Worked and lived on an orphanage that housed over 600 children. Physical Therapy responsibilities included caring for children on-site with orthopaedic and neurologic conditions, as well as early intervention and children with developmental delays, worked at on-site AIDS hospice and acute care setting, PT interventions for local community members. Served as a friend and mentor to my “hogar” or home for boys aged 11-16. Did daily chores, homework, ate meals with, and assisted with any needs the children had.

Teaching Responsibilities

DPT 701 Human Anatomy Fall Semester, Instructor

DPT 736 Neurologic Management I, Fall Semester, Instructor

DPT 704 Neuroscience, Spring Semester, Co-coordinator

DPT 737 Neurologic Management II, Spring Semester, Instructor

DPT 791 Evidence Based Practice II, Spring Semester, Instructor

DPT 707 Examination of Movement Systems II, Summer Semester, Instructor

DPT 773 Professional Issues II, Summer Semester, Instructor

DPT 790 EBP I, Summer Semester, Instructor