

## CURRICULUM VITAE

Bobbette Miller, PhD, DPT, NCS

Department of Rehabilitation Sciences, College of Allied Health (Office 3112)  
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### EDUCATION

2019-2024	PhD, University of Oklahoma Health Science Center, Oklahoma City, OK
2016-2017	ABPTS Board Certified Neurologic Clinical Specialist
2008-2010	Doctor of Physical Therapy, University of St. Scholastica, Duluth, MN
2004-2007	Masters of Physical Therapy, University of Wisconsin, Madison, Wisconsin
1989-1994	Bachelor of Science, Microbiology, University of Wisconsin-La Crosse, Wisconsin

### PROFESSIONAL EXPERIENCE

August 2018-present	Clinical Assistant Professor, University of Oklahoma Health Science Center, Oklahoma City, OK
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### CLINICAL EXPERIENCE

Dec 2018-present	Physical Therapist: Oklahoma Medical Research Foundation, Oklahoma City, OK
July 2021- June 2023	Physical Therapist: Oklahoma Children's Hospital, Oklahoma City, OK
June 2015-July 2018	Specialist Physical Therapist: UC Health, Loveland, CO
Feb 2015-June 2015	Physical Therapist: Orthopedic Center of the Rockies, Fort Collins, CO
Oct 2012-Feb 2015	Physical Therapist: University of Colorado Health, Loveland, CO
Aug 2011-Aug 2012	Physical Therapist: Wausau School District, Wausau, WI
Jan 2008-Dec 2011	Physical Therapist: Marshfield Clinic, Wausau, WI

### CERTIFICATION OR BOARD STATUS

2016-current	ABPTS Board Certified Neurologic Clinical Specialist
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### LICENSURE

Active	The Oklahoma State Board of Medical Examiners #5560
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## SCHOLARSHIP

### Research Funding

#### Grants Received

2019-2021	Presbyterian Health Foundation Seed Grant Functional Intermuscular Reduction in Spasticity in People with Multiple Sclerosis MS-FIRST	\$ 50,000
2023-2024	American Physical Therapy Association- Oklahoma Physical Chapter Stepping in Response to a Lateral Perturbation in People with MS	\$1,000
	<b>Grants Received Total</b>	<b>\$51,000</b>

#### Grants under review

2025-2026	Oklahoma Shared Clinical Translation Research (OSCTR) Exploring Limb Asymmetry and Cycling Modalities in Multiple Sclerosis: Unipedal vs. Bipedal Approaches	\$ 50,000
2025-2027	Department of Defense (DoD) Biomarkers to measure Fatigue and Functional Limitations in MS: BaFFL	\$250,000
	<b>Grants Received Total</b>	<b>\$300,000</b>

#### Grants Submitted, Not Funded

2022	College of Allied Health Student Grant	\$1000
2022	Presbyterian Health Foundation Seed Grant, <b>Funded</b>	\$50,000
2021	OSCTR Oklahoma Shared Clinical Translation Research L-STEP	\$75,000
2021	OCAST Forward STEP	\$100,000
2021	College of Allied Health Faculty Grant L-STEP	\$5,000
2021	Trans-Cranial Direct Stimulation in Stroke	\$100,000
2018	Tele-rehabilitation in MS	\$100,000

#### Teaching Materials Developed.

- Neuroscience, Lecture material, Rubrics, Testing material, Spring 2023
- Movement Science, S Lecture material, Rubrics, Testing material, Summer 2022
- Adults with Neurologic Conditions, Lecture material, Rubrics, Testing material, Spring 2022
- Differential Diagnosis, Lecture material, Rubrics, Testing material, Spring 2021
- Progressive Neurologic Conditions, Lecture material, Rubrics, Testing material, Fall 2020
- Progressive Neurologic Conditions, flipped classroom planning, Fall 2019
- Measurements in Clinical Practice, Lecture material, Rubrics, Testing material, Spring 2019, 2020
- Neuroanatomy, Lecture material, Spring 2019
- Movement Science I, Vestibular Content, Summer 2019, 2020

## PUBLICATIONS

### Peer Reviewed or Refereed

**Miller, B. J.**, Kolobe, T. H. A., Larson, R. D., Pribble, B. A., Pardo, G., & James, S. A. (2022). Functional intermuscular reduction in spasticity for people with multiple sclerosis. *Multiple sclerosis journal - experimental, translational and clinical*, 8(1), 20552173211061547. doi:10.1177/20552173211061547

Pribble, Brian A1; **Miller, Bobbette**; James, Shirley; Black, Chris FACSM1; Larson, Rebecca. Changes In Foot-tapping Kinematics Following Dry-needling In Persons With Multiple Sclerosis: 2432. *Medicine & Science in Sports & Exercise* 54(9S):p 455, September 2022. | DOI: 10.1249/01.mss.0000880768.96694.cd

### Abstracts

**Miller BJ**, James SA, Pardo G, Kolobe TH. Functional intermuscular reduction in spasticity in MS (MS-FIRST). Poster presented at: Great Symposium, OUHSC, March 22-25, 2020. The meeting was canceled due to the COVID-19 pandemic"

**Bobbette Miller**, Shirley James, and Thubi Kolobe Abstract scheduled for oral and poster presentation at the 2020 Allied Health Research Day April 17, 2020. The meeting was canceled due to the COVID-19 pandemic"

**Miller BJ**, James SA, Pardo G, Kolobe TH. Functional intermuscular reduction in spasticity in MS (MS-FIRST). Poster presented at: Tenth International Symposium on Gait & Balance in Multiple Sclerosis meeting; October 3, 2020; Denver, CO.

**Miller BJ**, James SA, Pardo G, Kolobe TH. Functional intermuscular reduction in spasticity in MS (MS-FIRST). American Physical Therapy Association-Combine Section February 8-26, 2021.

**Miller BJ**, James SA, Pardo G, Kolobe TH. Functional intermuscular reduction in spasticity in MS (MS-FIRST). Poster presented at: Great Symposium, OUHSC, March 22-25, 2021.

Brian A. Pribble, **Bobbette Miller**, Shirley James, Christopher Black, Rebecca Larson, Dry Needling for The Treatment of Spasticity in Persons with Multiple Sclerosis, Poster, American College of Sport's Medicine, June 1-5, 2021

Jeffries, L.M., Randall, K., James, S., Lepak, L., Cheema, C., Williams, J., **Miller, B.**, Bender, D.G. Comparison of Doctor of Physical Therapy Student Clinical readiness using two simulation methods. American Physical Therapy Association-Combine Section February, 2022

Megan Conner, Caitlin Castle, Olivia Diel, Carly Gudgel, Ashley Mayhew, Brittney Woodward, Madison Young, Shirley James, Jessica Tsotsoros, OTR, PhD, Lynn Jeffries, **Bobbette Miller**; Physiological Load and Perceived Maneuverability of Two Wheelchairs Used in Low Resource Areas. American Physical Therapy Association-Combine Section February 2024

Megan Conner, Caitlin Castle, Olivia Diel, Carly Gudgel, Ashley Mayhew, Brittney Woodward, Madison Young, Shirley James, Jessica Tsotsoros, OTR, PhD, Lynn Jeffries, **Bobbette Miller**; Physiological Load and Perceived Maneuverability of Two Wheelchairs Used in Low Resource Areas. College of Allied Health Research Day April 2024

**Miller BJ**, Larson RD, Jeffries L, Lateral Stepping in People with Multiple Sclerosis. American Physical Therapy Association-Neurologic Section Meeting, September 2024

## Scholarly work

CPG Quick Reference Guide for Clinicians. ANPT Knowledge Translation Task Force: Elizabeth Cornforth, PT, DPT, NCS; Bobbette Miller, DPT, NCS; Andrea Ecsedy, PT, DPT, NCS; Megan Greenwood, PT, DPT, MSPT, NCS, PCS; Ryan Koter, PT, DPT; Suzanne O'Neal, PT, DPT, DHSc, NCS; Katherine Sweet, PT, DPT, NCS; Daniel Miner, PT, DPT

Gait Analysis Quick Reference Guide ANPT Knowledge Translation Task Force: Elizabeth Cornforth, PT, DPT, NCS; Bobbette Miller, DPT, NCS; Andrea Ecsedy, PT, DPT, NCS; Megan Greenwood, PT, DPT, MSPT, NCS, PCS; Ryan Koter, PT, DPT; Suzanne O'Neal, PT, DPT, DHSc, NCS; Katherine Sweet, PT, DPT, NCS; Daniel Miner, PT, DPT

Clinical Effects of AFO and FES ANPT Knowledge Translation Task Force: Elizabeth Cornforth, PT, DPT, NCS; Bobbette Miller, DPT, NCS; Andrea Ecsedy, PT, DPT, NCS; Megan Greenwood, PT, DPT, MSPT, NCS, PCS; Ryan Koter, PT, DPT; Suzanne O'Neal, PT, DPT, DHSc, NCS; Katherine Sweet, PT, DPT, NCS; Daniel Miner, PT, DPT

Clinical Pearls AFO and FES ANPT Knowledge Translation Task Force: Elizabeth Cornforth, PT, DPT, NCS; Bobbette Miller, DPT, NCS; Andrea Ecsedy, PT, DPT, NCS; Megan Greenwood, PT, DPT, MSPT, NCS, PCS; Ryan Koter, PT, DPT; Suzanne O'Neal, PT, DPT, DHSc, NCS; Katherine Sweet, PT, DPT, NCS; Daniel Miner, PT, DPT

Action Statement Evidence Summary ANPT Knowledge Translation Task Force: Elizabeth Cornforth, PT, DPT, NCS; Bobbette Miller, DPT, NCS; Andrea Ecsedy, PT, DPT, NCS; Megan Greenwood, PT, DPT, MSPT, NCS, PCS; Ryan Koter, PT, DPT; Suzanne O'Neal, PT, DPT, DHSc, NCS; Katherine Sweet, PT, DPT, NCS; Daniel Miner, PT, DPT

## PRESENTATIONS

### National:

Lisa Brown, Therese Johnson, Beth Cornforth, Bobbette Miller AFO and FES Clinical Practice Guidelines. Oral Presentation Neurology Section APTA Meeting, October 14<sup>th</sup>, 2022.

### Local:

**Bobbette Miller**, Shirley James, and Thubi Kolobe Functional intermuscular reduction in spasticity in MS (MS-FIRST). Oral presentation College of Allied Health Research Day April 2, 2021.

Ashly Mc Alister, Brittany Poinson, **Bobbette Miller** Concussion Management in Pediatric Patients. Oral presentation Neurology Grand Rounds October 2022

Ashly Mc Alister, Brittany Poinson, **Bobbette Miller** Concussion Management in Pediatric Patients. Oral presentation Pediatric Grand Rounds April 2022

Megan Conner, Caitlin Castle, Olivia Diel, Carly Gudgel, Ashley Mayhew, Brittney Woodward, Madison Young, Shirley James, Jessica Tsotsoros, OTR, PhD, Lynn Jeffries, **Bobbette Miller**; Physiological Load and Perceived Maneuverability of Two Wheelchairs Used in Low Resource Areas. College of Allied Health Research Day April 2024

## TEACHING

### UNIVERSITY OF OKLAHOMA COURSES – CURRENTLY TEACHING

#### Professional Program (DPT & MOT programs):

2019-current	Movement Science I PHTH/OCTH 8393, Course Co-Instructor
2019 – current	Rehabilitation for Progressive Neurologic Conditions, PHTH/OCTH 8122, Course Coordinator
2022-current	Neurorehabilitation for Adults, PHTH/OCTH 8234, Course Coordinator
2023-current	Neuroscience AHS 8274, Course Coordinator

### UNIVERSITY OF OKLAHOMA COURSES PREVIOUSLY TAUGHT (include name(s) of programs)

#### Professional Program (DPT & MOT programs):

2018-2020	Lower Extremity Orthopedics, PHTH 8114, Lab Instructor
2019-2019	Neuroscience, AHS 8114, Course Co-Instructor
2018-2019	Clinical Reasoning, PHTH 9152, Course Co-instructor
2019-2020	Measurement in Clinical Practice, PHTH 8172, Course Instructor
2021-2021	Differential Diagnosis in Physical Therapy, PHTH 8312, Course Instructor
2021 – 2022	Community Assessment and Planning, PHTH 9132, Course Coordinator

### Academic Advising – Entry Level

Doctor of Physical Therapy, Class of 2026	7
Doctor of Physical Therapy, Class of 2025	6
Doctor of Physical Therapy, Class of 2024	10
Doctor of Physical Therapy, Class of 2023	5
<b>Total</b>	<b>28</b>

### Contributions to Continuing Education

1. Clinical Practice Guideline for the Use of Ankle Foot Orthosis and Functional Electrical Stimulation Post-Stroke, (Summer 2024), National ANPT Web-based course
2. Balance and Falls in the Elderly, (Spring 2021), OU Medical, Oklahoma City, OK
3. Vestibular Rehabilitation, (Fall 2020) “Why am I so Dizzy?”, OU Medical, Oklahoma City, OK
4. Vestibular Rehabilitation, (Summer 2019) “Why am I so Dizzy?”, Integris Baptist, Oklahoma City, OK
5. Neuroplasticity (Spring 2018), UC Health, Loveland, CO, physicians, therapists and nurses
6. Stroke Gait Rehab (Fall 2017), UC Health, Loveland, CO, physical and occupational therapists
7. Beyond BPPV (Spring 2018), University of Colorado, Denver, CO, physical therapy students
8. Vestibular Rehabilitation (Spring 2016), University of Colorado, Denver, CO, physical therapy students
9. Concussion Screening ATC (Spring 2015), Orthopedic Center of the Rockies, Loveland, CO, education to athletic trainers and physical therapists

## PROFESSIONAL SERVICE

### Department of Rehabilitation Sciences Service

2021-2022	Clinic Education, <b>Co-Director</b>
2021-current	Neuro-curriculum Task Force Professional Program, Committee Member
2021-current	Wheels- Taking students to Africa to evaluate pediatric wheelchairs, Member

### College of Allied Health Service

2023-current	College of Allied Health Curriculum Review Committee, Committee Member
2022-current	College of Allied Health Research Needs Committee, Committee Member
2021-2022	College of Allied Health Awards Committee, Committee Member

### Campus and University Service

2024-current	OUHS Awards Committee
2019-current	Empathy in Aging, College of Medicine, Team Lead for mobility
2019, 2020	Interprofessional Journal Club, member
2019, 2023	All Professions Day, Member
2019	Translating Practice into Research

### Clinical/Patient Care

2018-current	Physical Therapist, OMRF MS-Center Excellence, 825 NE 13 <sup>th</sup> Street, Oklahoma City, OK 73104
2021-2023	Physical Therapist, OU Children's Hospital, Concussion Clinic, 1200 Children's Ave, Oklahoma City, OK 73104
June 2015-July 2018	Specialist Physical Therapist: UC Health, Loveland, CO
Feb 2015-June 2015	Physical Therapist: Orthopedic Center of the Rockies, Fort Collins, CO
Oct 2012-Feb 2015	Physical Therapist: University of Colorado Health, Loveland, CO
Aug 2011-Aug 2012	Physical Therapist: Wausau School District, Wausau, WI

### Clinical Leadership

2021, 2017	Concussion program design physical therapy, OU Children's Orthopedic Center of Rockies
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### Educational Administration and Leadership

2021-current	Neuro-curriculum Task Force Professional Program, Committee Member
2019-current	Empathy in Aging, College of Medicine, Team Lead for mobility
2019, 2020	Interprofessional Journal Club, member
2019	OUHSC IEPA All Professions Day, Member

### State and National Service

2019-current	APTA, Knowledge Translation Orthotics and Neuroprosthetics, <b>Co-Chair</b>
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### Local/Regional/National/International Service

2023-current	CANDO MS, Educational Series on Falls Prevention
2021-2023	STEM Science, Technology, Engineering, Math, Oklahoma Public Schools
2017, 2019	Balance and Falls Prevention, <b>Education Leader</b>
2018-current	Living Well with MS, <b>Educational Leader</b>
2016-2019	Neurologic Music Therapy, <b>Educational Leader</b>

### Service to other organizations

2016	Guest Lecture Colorado State University, Exercise and Health Science program
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### Community Service

2017, 2019	Balance and Falls Prevention, <b>Education Leader</b>
2018-current	Living Well with MS, <b>Educational Leader</b>
2016-2019	Neurologic Music Therapy, <b>Educational Leader</b>
2016, 2017	Community Education, Core Stability for the Elderly, <b>Course Leader</b>
2016, 2017	Community Education, Couch to 5K, <b>Course Leader</b>

### ADMINISTRATION (College and University Service)

2021-2022	Co-Director of Clinical Education <ul style="list-style-type: none"><li>• Responsible for Contracting with Clinical Agreements</li><li>• Responsible for Clinical Placements</li></ul>
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### HONORS AND AWARDS

2024	Research Excellent under 7 years
2023	Teaching Excellence under five years
2022	Service Award for faculty under five years

### MEMBERSHIPS

2012-current	American Physical Therapy Association, Vestibular Special Interest Group, member
2012-current	American Physical Therapy Association, Neurology Section, member
2006-current	American Physical Therapy Association, member

## **PROFESSIONAL GROWTH AND DEVELOPMENT**

### **Continuing Education**

- Advanced Vestibular Certification Course, 2024
- Combine Section, American Physical Therapy Association, Spring 2018, 2019, 2020, 2022
- Clinical Education, Summer 2021
- International Symposium on Gait & Balance in Multiple Sclerosis meeting; Fall, 2020;
- Ethics, Summer 2019
- MS and Neuroplasticity, American Physical Therapy Association, Spring 2019
- Lee Silverman voice Training, BIG, Spring 2017
- UT Southwestern, Pathological Gait, Fall 2016, Spring 2017
- Emory Vestibular Certification, Spring 2016
- Somatosensory Reweighting, Fall 2016
- Trigger point Dry Needling level II, Fall 2015
- Traumatic Brain Injury II, Fall 2015
- Traumatic Brain Injury, Spring 2014
- Dynamic Systems approach to Neurologic Rehabilitation, Fall 2013
- Trigger Point Dry Needling level I, Fall 2011
- University of Chicago, Orthotics and Prosthetics Certification, Fall 2011
- Screening and Systems of Review, Fall 2010
- Art of the Differential Diagnosis, Summer 2010
- Evaluation of the Spine and Ribs, Winter 2009
- Align and Activate, Fall 2008
- Wheelchair Seating, Fall 2008
- Extremity MET and Mobilization, Spring 2008