

Melanie Lambert, PT, DPT, DHSc, OCS
University of Colorado School of Medicine
Department of Physical Medicine and Rehabilitation
Physical Therapy Program | Hybrid Pathway
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Education:

2023	Doctor of Health Science	University of Indianapolis, Indianapolis, IN
2009	Doctor of Physical Therapy	University of Kansas MC, Kansas City, MO
2006	BS Life Science	Kansas State University, Manhattan, KS

Licensure Information:

Colorado PTL0019649

Certifications:

Board Certified Clinical Specialist, Orthopaedic Physical Therapy, American Board of Physical Therapy Specialists, 2014-2024, 2024-2034

Certification in Dry Needling, Spinal Manipulation Institute, 2018

Manual Therapy Certified (MTC), The Manual Therapy Institute, LLC, 2012

Employment and Positions Held:

2024 – Present	Clinical Assistant Professor, University of Colorado, Aurora, CO
2024 – 2026	PRN Physical Therapist, Synergy Manual Physical Therapy, Colorado Springs, CO
2019 – 2023	Assistant Professor, School of Physical Therapy, Marshall University Huntington, WV
2020 – 2023	PRN Physical Therapist, Huntington Physical Therapy Huntington, WV
2018 - 2019	Assistant Professor, Director of Clinical Education, Doctor of Physical Therapy Program, Wingate University, Wingate, NC
2013 - 2018	Center Therapy Director/Charlotte market PRN Manager/ADApt Specialist, Concentra Medical Centers, Charlotte, NC
2013 – 2013	Staff Physical Therapist, PhysioFocus Orthopedic and Sports Therapy Charlotte, NC

- 2012 – 2013 Staff Physical Therapist, Carolinas Rehabilitation University
Charlotte, NC
- 2009 – 2012 Lead Physical Therapist/Clinic Manager, Preferred Physical Therapy,
Kansas City, KS

Scholarly Agenda

My scholarly agenda encompasses two arms in education and orthopedic physical therapy. Within education my scholarship goals are to identify effective mechanisms of professional development, driving evidence based practice in curricular tools to foster learner success. My goals in orthopedic physical therapy serve to elucidate the relationship between movement and clinical reasoning in orthopedic clinical practice, advancing education, research, and practice in the skillful collection and application of movement data.

Peer Reviewed Publications:

1. Tyrell CM, Riley N, Judd DL, Hedman LD, Kleinschmidt L, Doyle L, Lambert M, Quinn L. A Framework for the Movement Analysis of Tasks: An Update from the Academy of Neurologic Physical Therapy's Movement System Taskforce. *J Neurol Phys Ther.* 2025 (Dec). DOI: 10.1097/NPT.0000000000000542
2. Lambert MD, Mehta SP. Analyzing Psychometric Properties of the Societal Outreach Scale in Entry-Level Doctor of Physical Therapy Students. *Physiotherapy Canada.* 2024 (Oct) (aop): e20240011.
3. Mehta SP, Bourassa M, Oliashirazi A, Lambert MD, Smith SG. Feasibility of the Good Life with Arthritis Program in People with Knee Osteoarthritis in the Appalachian Region of the United States. *Osteoarthritis and Cartilage.* 2024;32:S532.
4. Mehta SP, Lambert MD. Psychometric Properties of the Compassion Scale and Societal Outreach Scale in Examining Professionalism Traits in Physical Therapy Students. *Archives of Physical Medicine and Rehabilitation.* 2024; 104(4): e123-e124. DOI: 10.1016/j.apmr.2024.02.348
5. Lambert MD, Mehta SP, Nelson S, Northup J, Sowers K. Development of Professional Competencies through Service Learning: An Exploratory Study. *Crit Rev Phys Reh Medic.* 2022;34(3):31-40. DOI: 10.1615/CritRevPhysRehabilMed.2022044494

Peer Reviewed Scientific and Professional Presentations:

1. Liang, H, Lambert MD. Integrating Artificial Intelligence Applications into Physical Therapy Education: Enhancing Movement Analysis Skills. APTA CSM 2026: Anaheim, CA. (poster)
2. Liang, H, Ferguson, C, McComas, S, Gahm, B, Lambert, M, & Leigh, S. Assessing Knee Proprioception Deficits in Individuals with a History of a Knee Injury. The 47th American Society of Biomechanics annual meeting, Pittsburgh, PA, August 13-16, 2025. (poster)
3. Lambert M. The Implicit Medium of Movement: Examining Expert Orthopedic Clinicians Use of Movement in Clinical Decision Making. APTA CSM 2025: Houston, TX. (platform presentation)

4. Lambert M, Mehta S. Does Professional Development Last? A Longitudinal Investigation into the Development of Professional Values through Service-Learning. ATPA CSM 2025: Houston, TX. (poster)
5. Mehta S, Lambert M. Psychometric Properties of Compassion Scale and Societal Outreach Scale in Examining Professionalism Traits in Physical Therapy Students. American College of Rehabilitative Medicine 2023 Annual Conference: Atlanta, GA. (poster)
6. Lambert M, Bliss R. The COVID-19 Classroom: Impacts on Teaching and Program Response
ACAPT ELC 2023: Philadelphia, PA. (poster)
7. Lambert M, Bliss R, Bridges J, Johnson K. Changes in DPT Student Professional Behaviors during COVID: Analysis of a National Survey. APTA CSM: San Diego, CA. (poster)
8. Abraham N, Lemasters A, Tarr P, Mehta S, Lambert M. Utilizing the Societal Outreach Scale to Assess the Development of Professional Competencies through Service Learning. APTA CSM: San Diego, CA. (poster)
9. Stephens L, Lambert M. Skill and Behavior Development within Pro Bono Service: A Qualitative Report. ACAPT ELC 2022; Milwaukee, WI. (poster)
10. Lambert M, Mehta S, Sowers K, Nelson S, Northup J. Development of Professional Competencies through Service Learning: An Exploratory Study. APTA CSM 2022; San Antonio, TX. (poster)
11. Lambert M. Health Literacy in Physical Therapy Students: Exploring Changes in Self-Efficacy Following an Active Learning Strategy. WVPTA Virtual Conference 2020. (poster)
12. Lambert M, Bliss R. Reflection in Clinical Education: Exploring Continued Student Ability Following Didactic Reflective Intervention. APTA CSM 2020; Denver, CO. (poster)

Current/Active Research Activity:

Lambert M (PI). Changes in Knee Proprioception with the use of Visual and Auditory Feedback. 2023 – Present

Lambert M (PI). Development of Professional Competencies through Service Learning: A Longitudinal Investigation. 2023 – Present

Lambert M (PI). The Role of Movement in Clinical Reasoning: Exploring the Practice of Expert Orthopedic Physical Therapists. Funded \$250, University of Indianapolis, Department of Interprofessional Health & Aging Studies. 2022 – Present

Lambert M (PI). Observational Movement Analysis in Orthopedic Physical Therapy: Exploring Differences in Student and Clinician Performance. 2022 - Present

Membership in Scientific/Professional Organizations:

2007 – Present	American Physical Therapy Association
2024 - Present	APTA Colorado
2019 – 2024	APTA West Virginia Elected member of Nominating Committee, 2022 - 2023 Appointed Chair of Public Relations Committee, 2020 - 2021
2010 - Present	Academy of Orthopaedic Physical Therapy, APTA
2018 - Present	APTA Academy of Education
2021 - Present	American Academy of Sports Physical Therapy
2023 - Present	APTA Academy of Research
2021 – 2022	APTA Academy of Leadership and Innovation

Consultative and Advisory Positions Held:

Marshall University Mechanical Engineering Department: Student Capstone Project

1. Erin Borders, Samantha Saunders. Design of a mechanical knee device for proprioceptive training of the knee. 2022-2023

Marshall University School of Physical Therapy: Doctoral Student Capstone Project

1. Cameron Ferguson, Bre Gahm, Sydney Wellman. Changes in knee proprioception with use of visual and auditory feedback. 2023 – present.
2. Brianna Hash, Madison May, Jansen Wolfe. Observational Movement Analysis amongst DPT Students: Measuring Growth across the Curriculum. 2022 – 2023.
3. Nicole Abraham, Alexis Lemasters, Paige Tarr. Utilizing the Societal Outreach Scale to Assess the Development of Professional Competencies through Service Learning. 2021-2023.
4. Sydney Nelson, Jessica Northup, Kaylee Sowers. Development of Professional Competencies through Service Learning: An Exploratory Study. 2020 – 2022.

Evidence in Motion Orthopedic Residency: Clinic Mentor

- Paityn Werner; Huntington Physical Therapy; 2023
- Sarah Williams; Huntington Physical Therapy; 2021 - 2022
- Keenan Meredith; Huntington Physical Therapy; 2020 – 2022

Community Service:

Dance Week: Injury Prevention & Maximizing Pillar Strength

Huntington Dance Theatre, Huntington, WV.

July 17 & 19, 2023

MUVIT Pro Bono Clinic

Marshall University, Faculty Coordinator, volunteer

Fall 2020 – Current

Marshall Medical Outreach

Marshall University, Faculty Coordinator

April 2021 - Current

WV Minority Health Fair

Marshall University, Faculty Representative

October 2021, 2022

Huntington Walk to End Alzheimer's
Marshall University, Faculty Representative, volunteer
October 2019, October 2021

A.D. Lewis Community Health Fair
Marshall University, Faculty Representative
June 19, 2021

Marshall Green and White Day
Faculty Representative, volunteer
Feb 17, 2020

Marshall University Health and Wellness Fair
Faculty Representative
Oct 10, 2019

Project 658: Medical Outreach
Wingate University, Faculty Representative, volunteer
Dec 2018 – May 2019

A Heart for Monroe: Medical Bus
Wingate University, Faculty Representative, volunteer
April 13, 2019

Community Health Services of Union County
Pro-Bono Physical Therapist
Sep 2018 – May 2019

Christmas Bureau of Union County
Wingate University, volunteer
December 2018

Services to the University/College/School on Committees/Councils/Commissions:

University of Colorado:

2026 – Present Search Committee
2024 – Present Curriculum Committee

Marshall University:

2019 – 2021 Annual Evaluation Committee

Marshall University College of Health Professions:

2021 – 2023 College of Health Professions IPE/IPP Committee
2022 – 2023 Center for Wellness of the Arts Committee

Marshall University School of Physical Therapy

2020 – 2023 Chair: Service Learning Committee
2023 – 2023 Chair: Search Committee
2019 – 2023 Curriculum Committee
2020 – 2023 Administrative Committee
2019 – 2022 Admissions Committee

Honors and Awards:

Daniel Fund Ethics Fellow (\$5,000)
University of Colorado Colorado Springs, 2025-2026

Pickens-Queen Teacher Award – Nominee
Marshall University, October 2023

Research Committee Award (\$250)
Marshall University, May 2023

Imaging SIG Infographic Contest (\$500)
Academy of Orthopaedic Physical Therapy, APTA, July 2021

Continuing Education Attended:

2025 Combined Sections Meeting, American Physical Therapy Association, Houston, TX
Education Sessions Attended,

- Strategies to Enhance Belonging in Hybrid Physical Therapy Education from Students to Faculty
- Beyond the Usual Suspects: Emerging Topics in Extra-Articular Hip and Pelvic Region pain in Athletes
- Biomechanics Matters 3.0: Focus on Movement

2023 Education Leadership Conference, American Physical Therapy Association, Philadelphia, PA

Education Sessions Attended,

- Hybrid Education is not Accelerated Education: Opportunities, Challenges, and Outcomes in Full-Length Hybrid DPT Education
- Benchmarking the Hybrid DPT Student Experience: Results of a Multi-Institutional Survey

- An Innovative Approach to Competency-Based Curricular Revision for the Master Adaptive Learner
- 2023 iPED Conference on Teaching and Learning. Marshall University. Huntington, WV
Education Sessions Attended,
- Increasing Student Engagement and Agency with Flexible Assignments
 - Bridging the Gap: Creating a Sense of Belongingness in the Online Classroom
 - Just Asking Students How they are doing: Developing Checking-in Activities in the Online Classroom
 - The Value of Competency-Based Learning in a Traditional Classroom
- 2023 Higher Ed Peer Reviewer Course. Quality Matters. Virtual.
- 2023 Combined Sections Meeting, American Physical Therapy Association, San Deigo, CA
Education Sessions Attended,
- A Blueprint for Teaching and Learning Clinical Reasoning: Implementation from the Classroom to the Clinic
 - Translating Biomechanics to the Clinic: What Should Clinicians Make of all this Data?
 - Sports Medicine Secrets: Analysis of Common Functional Movements in Professional Sports
 - When the Hamstring is Attached to the Spine and the Brain
- 2022 Sports Connect, American Academy of Sports Physical Therapy, Indianapolis, IN
Education Sessions Attended,
- Articular Cartilage: Rehab Pears & Return to Sport
 - Save the Meniscus!
 - Get a load of this! Applying lower extremity loads across the continuum of lower extremity rehab
- 2022 Combined Sections Meeting, American Physical Therapy Association, virtual
Education Sessions Attended,
- Reporting Standards for Qualitative and Mixed Methods Research in Physical Therapy
 - Assessing Student & Clinician DEI Competence: Does Diversity + Equity Training = Inclusive Patient Clinical Practice?
 - Physical Therapy Education through the Lens of the Master Adaptive Learner
 - The 4-Element Movement System Model to Guide Physical Therapy Education, Practice, and Research
- 2022 Movement System Impairment Syndromes of the Shoulder and Cervical Spine: Fundamental Concepts and Application – A Hybrid Course. Washington University in St. Louis.
- 2021 Good Life with Osteoarthritis in Denmark (GLA:D™). Virtual Certification Training. GLA:D™ Canada.
- 2021 APTA West Virginia Annual Conference, Roanoke, WV.
Education Sessions Attended,

- Motor Control and Learning: Applications to Physical Therapy Practice
 - Preparing for the COVID-19 Rehab Wave: Learn to Surf, not Drown
- 2021 Combined Sections Meeting, American Physical Therapy Association, virtual.
Education Sessions Attended,
- Educating for Professionalism – The Science of Caring. The Art of Healing.
 - Hip-Related Groin Pain: Can Movement Advance our Knowledge Beyond the Consensus?
 - Technology Innovation in PT to Improve the Human Experience
 - Advanced Rehabilitation to Optimize Return to Sport Outcomes after ACL Reconstruction
- 2020 APTA West Virginia Annual Conference, virtual.
Education Sessions Attended,
- Gait and Balance Assessments: Why is it important to have a “spring in your step” whether you are 5 or 75
- 2020 Independently Applying the QM Rubric (APPQMR). Quality Matters. Virtual.
- 2020 Combined Sections Meeting, American Physical Therapy Association, Denver, CO.
Education Sessions Attended,
- Movement System Based Treatment Approach for the Hip Joint
 - Sports Medicine Secrets: Evidence Based Lower Extremity Sports Movement Analysis
 - Muscle Degeneration of the Rotator Cuff: Scientific Advances to Guide Surgery and Rehabilitation
- 2019 iPED Conference on Teaching and Learning. Marshall University. Huntington, WV
Education Sessions Attended,
- Be the Spark: The Value of Community-Based Learning for Communities, Scholars, and Students
 - Community Engagement: Impact of Reflection on Student Learning
 - Using Clinical Education to Fulfill Community Needs
- 2019 Combined Sections Meeting, American Physical Therapy Association, Washington, DC.
Education Sessions Attended,
- Exploring Signature Pedagogy in Physical Therapy: Concepts and Cases
 - How PTs Can Support Pro Bono Global Health for Local Vulnerable Populations
 - Pain Talks: Conversations with Pain Science Leaders on the Future of the Field
 - Sports Medicine Secrets: Ankle and Foot Strength, Mobility, and Coordination Deficits
- 2018 Your Leadership Mindset: Think Big, Act Boldly. ACAPT Leadership Academy. Jacksonville, FL.
- 2018 Education Leadership Conference, APTA Academy of Education & the American Council of Academic Physical Therapy. Jacksonville, FL.
- Engaging, Inspiring and Developing Physical Therapist Students
 - Making Waves: Podcasts as a vehicle for teaching, learning, and Leading

2018 DN-2: Dry Needling for Lumbopelvic & Lower Extremity Conditions. Spinal Manipulation Institute, Charlotte, NC.

2017 DN-1: Dry Needling for Craniofacial, Cervicothoracic & Upper Extremity Conditions. Spinal Manipulation Institute. Charlotte, NC.

Current Teaching Responsibilities for the Hybrid Pathway:

Year 1 Teaching Responsibilities

Summer

- DPTR 5201 Examination & Evaluation I (Year 1, Semester 1): Course Coordinator/Instructor
- DPTR 5211 Foundations of Intervention I (Year 1, Semester 1): Course Coordinator/Instructor

Fall

- DPTR 5202 Examination & Evaluation II (Year 1, Semester 2): Course Coordinator/Instructor
- DPTR 5212 Foundations of Intervention II (Year 1, Semester 2): Course Coordinator/Instructor

Spring

- DPTR 5731 Health Care Delivery I (Year 1, Semester 3): Course Coordinator/ Instructor