

Curriculum Vitae

Thomas Longbottom, PT, DPT
Board Certified Neurologic Clinical Specialist
Baylor University Doctor of Physical Therapy Program

Education:

Doctor of Health Science – in progress
Concentration in Global Health
Nova Southeastern University
Ft Lauderdale, FL

Doctor of Physical Therapy
University of Montana
Missoula, MT
2011

Master of Science
Physical Therapy
Texas Woman's University
Denton, TX
1992

Bachelor of Arts
Baylor University
Waco, TX
Asian Studies
1987

Licensure:

Washington Physical Therapy License #00006243; renewal date 7/13/2022

Certification:

Specialty Certification: Neurologic Physical Therapy #42564; renewal 2023

Employment and Positions Held

Clinical Associate Professor
Baylor University
Waco, TX
08/2016-Present

Owner, Physical Therapist
Restorative Therapy Specialists, PLLC
Yakima, WA
02/2014 – 12/2016

Assistant Professor
Pacific Northwest University of Health Sciences
College of Osteopathic Medicine, Anatomy Department
Yakima, WA
11/2013 – 06/2016

Physical Therapist
Yakima Regional Medical & Cardiac Center
Yakima, WA
2008 – 02/2014

Physical Therapist
Valley Medical Center
Renton, WA
05/1998 – 05/1999

Physical Therapist
CareerStaff Unlimited, Inc.
Lynwood, WA
06/1994– 04/1998

Physical Therapist/Senior Therapist
Tarrant County Hospital District
Fort Worth, TX
08/1992 – 03/1994

Scholarship/Presentations:

Puentedura E, **Longbottom T**. Therapeutic Neuroscience Pain Education: Treating the Brain in Hip and Knee Pain Syndromes. In Hip and Knee Pain Disorders: An Evidence-Informed and Clinical-Based Approach Integrating Manual Therapy and Exercise. 2022.

Footer C & **Longbottom T**. Reimagining Neurologic Physical Therapy Education with a Hybrid Teaching and Learning Model. Platform Presentation, World Physiotherapy Congress 2021.

Gagnon K, Young B, Bachman T, **Longbottom T**, Severin R, Walker M. Doctor of Physical Therapy education in a hybrid learning environment: reimagining the possibilities and navigating a “new normal”. Physical Therapy May 2020.

Walser R, Sorrells R; Crawford B, Rhodes D, Chyn D, **Longbottom T**, Barton O. Mobility Improvement and Rehospitalization Risk Following Discharge From Skilled Nursing Facility, Topics in Geriatric Rehabilitation: April/June 2020 - Volume 36 - Issue 2 - p 132-137 doi: 10.1097/TGR.000000000000269

Walser R, Sorrells R; Crawford B, Rhodes D, Chyn D, **Longbottom T**, Barton O. Mobility Improvement and Rehospitalization Risk Following Discharge From Skilled Nursing Facility: Poster Presentation, APTA Combined Sections Meeting 2020, Denver, Colorado

Teaching Responsibilities (Current):

Baylor University, Robbins College of Health and Human Sciences, Department of Physical Therapy

2020-Present: DPT 6450 Clinical Neuroscience (Instructor of Record)
DPT 6390 Movement Science (Instructor of Record in 2020)
DPT 6320 Neuromuscular Practice I (Co-Instructor)
DPT 6340 Neuromuscular Practice II (Instructor of Record)
DPT 6410 Human Anatomy I (Co-Instructor)
DPT 6430 Human Anatomy II (Co-Instructor)
DPT 6400 Physical Therapy Fundamentals (Teaching Assistant)
DPT 6210 Therapeutic Interventions II (Teaching Assistant)
DPT 6380 Management of the Aging Adult (Teaching Assistant)

Baylor University, Robbins College of Health and Human Sciences, Health, Human Performance and Recreation

2021: HP 1420 Introduction to Human Anatomy – *online course*

AmRef International University, Bachelor of Science Physiotherapy Program, Nairobi, Kenya

2020-2021: PHT 313 Neurorehabilitation I (Co-Instructor)
PHT Neurorehabilitation II (Co-Instructor)

Teaching Responsibilities (Previous):

Baylor University, Robbins College of Health and Human Sciences, Department of Physical Therapy

2018-2019: DPT 6450 Clinical Neuroscience (Lead Faculty)
DPT 6320 Neuromuscular Practice I (Secondary Faculty)
DPT 6340 Neuromuscular Practice II (Secondary Faculty)
DPT 6410 Human Anatomy I (Secondary Faculty)
DPT 6430 Human Anatomy II (Secondary Faculty)
DPT 6400 Physical Therapy Fundamentals (Teaching Assistant)
DPT 6530 Management of Complex Patients (guided synchronous session discussion of complex neurologic patient with co-morbidities)
DPT 6331 Therapeutic Interventions I (Teaching Assistant)
DPT 6210 Therapeutic Interventions II (Teaching Assistant)
DPT 6380 Management of the Aging Adult (Teaching Assistant)

Baylor University, Robbins College of Health and Human Sciences, Health, Human Performance and Recreation

2016-2018: HED 1350 *Dimensions of Health Science Studies*
HP 1420 *Introduction to Human Anatomy*
HP 4V79 *Internship/Human Performance*

Pacific Northwest University of Health Sciences, College of Osteopathic Medicine, Department of Anatomy

2013-2016: ANAT 505 Gross Anatomy I
ANAT 506 Gross Anatomy II

Continuing Education Attended:

Educational Leadership Conference 2021

- Education Research: How to Begin Your Journey (Mini-GAMER) (preconference course)
- GRJ Forum Keynote: Cultivating the Habits at the Heart of Patient Care: Compassion, Vulnerability, and Imagination
- Education Leadership Talks, Part 1: Emerging Leaders Tackle Hot Topics in Physical Therapy Education
- Reflections of the Black Experience in the Physical Therapy Profession: Revisiting the DEI Consortium Listening Sessions of 2020
- An Exploration of Doctor of Physical Therapy Students' Belongingness in Clinical Education
- Elevating access and Success for Underrepresented Groups: Recruitment, Admissions and Retention in Physical Therapy Education
- Enhancing Student Learning of Anatomy through Problem-Based Learning: Bootcamps, Cadavers, and More!

Webinar, “Strategies for Building an Inclusive Environment in the Clinic and the Classroom”, APTA Health Policy & Administration Section, August 2021

Baylor University Department of Physical Therapy: “Basic Dry Needling: an Evidence and Anatomy Based Lab Course”, May 2021

University Partners Hybrid Faculty Summit, June 2020: lead sessions on Movement Science & Neuroscience/Neuromuscular Practice

Combined Sections Meeting 2020, American Physical Therapy Association

- Early Mobility or Early Rehabilitation: Is There a Difference After Acute Stroke?
- High-intensity Interval Training in Stroke Rehabilitation: State of the Evidence and Clinical Implications
- Rhythm and the Motor System: New opportunities for Gait Training
- Taking Physical Therapy Outdoors: Rehab in the Real World
- Does Combining Technology with Therapy Augment Clinical Efficacy? Sensors, VR, Robotics, Spinal-Stimulation: Yea or Nay?
- Standardized Task Analysis for Movement System Diagnoses: Application to Individuals with Balance Problems
- Getting Your Head Out of the Books: Collaborative and Experiential Learning Across a DPT Curriculum

World Confederation for Physical Therapy Congress 2019

- Focused Symposia:
 - Falls around the world (FS-01)
 - Diversity and Inclusion (FS-03)
 - Stroke: neuromodulation and virtual reality (FS-11)
 - Modern technology in rehabilitation (FS-12)
 - Education: research (FS-20)
 - Motor Imagery in neurorehabilitation (FS-23)
- Networking Sessions/Indaba:
 - Neuroscience (NWS-15)
 - Educators (NWS-07)
 - International Education ((IN-03)
- Platform Presentations:
 - Neurology (PL-11)
 - Neurology: stroke (PLRS-17)

EIM Hybrid Learning Summit, February 2019: Provided discussion and collaboration opportunities with several established and developing DPT programs. Identified and established best practices in accelerated hybrid DPT education.

Combined Sections Meeting 2019, American Physical Therapy Association

- Specialization Academy of Content Expert (SACE) Item Writing Workshop
- How PTs Can Support Pro Bono Global Health for Local Vulnerable Populations
- Using Movement System Diagnosis and Functional Interventions to Address Mobility
- Aerobic Exercise in Stroke Recovery: Evidence of Improved Motor Outcomes
- Anatomy from the Inside Out: A 3-Dimensional Kinesthetic Learning Method
- Light Them Up! Unplugged Teaching Tools to Facilitate Active Learning
- Global Health Catalyst Talks: The Good, the Bad, and the Ugly of Global Health Engagement
- Treating Gait Asymmetry After Stroke: Basic and Clinical Research Insight
- AFO and FES for Foot Drop in Post-Stroke Hemiplegia: Clinical Practice Guideline

- It's All in Your Head: Using Neuroanatomy to Maximize Outcomes for Stroke

Annual Conference 2018, American Association of Clinical Anatomists

- Participated in sessions on optimizing student engagement and learning in Anatomy, including the use of virtual reality and simulated dissections

Combined Sections Meeting 2018, American Physical Therapy Association

- Specialization Academy of Content Expert (SACE) Item Writing Workshop
- Quantitative Assessment of the Movement System Using Motion Capture
- 2nd Annual HPA Global Health Catalyst Talks: Global Health Engagement
- Applying the Movement System Diagnosis to Neurodegenerative Diseases
- NCS Breakfast: Move Forward and Say Yes: Utilizing Your Strengths to Build a Successful Career
- High Intensity Aerobic Exercise Enhances Function in Parkinson Disease
- Low-Cost Neuromodulatory Priming Techniques for Poststroke Motor Rehabilitation
- No Fear: Treating the Stroked Patient in the Neurological ICU with Confidence
- No Longer Lost in Translation: Closing the Know-Do Gap in Locomotor Training
- Global Health Education: What Is, What Could Be, What Should Be
- Building Partnerships in Global Health: Where to Start and How to Document Progress

Blended Learning Certification, Evidence in Motion, LLC.

- EDU 6220 Teaching Practicum in Blended Learning and Teaching, October 2017
- EDU 6210 Effective Skills in Blended Learning and Teaching, August 2017
- EDU 6110 Essentials in Blended Learning and Teaching, July 2017

Combined Sections Meeting 2017, American Physical Therapy Association

- Pusher Syndrome: Neuroscience, Evidence, Assessment, and Treatment
- Working Smarter, Not Harder: Crafting Scholarly Projects That Count
- Teaching Tips I Can Use on Monday: A Primer on Easy to Integrate Technology
- A Core Set of Outcome Measures for Neurologic Physical Therapy: A CPG
- Cognitive Impairment in PD: Understanding and Unlocking Freezing of Gait
- Mind Over Matter: Promoting Long-term Adherence to Physical Activity Post-Stroke
- Harnessing Neuroplasticity with Brain Stimulation and Rehabilitation
- Harnessed Mobility: A New Paradigm to Expand Participation Across the Lifespan
- Optimizing Motor Learning in Rehabilitation: OPTIMAL Theory and Applications

Baylor University Academy for Teaching and Learning, Seminars in Excellence in Teaching, January 2017

- What We Know About How Students Learn: Applying Memory Research to the Classroom

Webinar, Pearson Education, "Design and Assessment of an Online Human Anatomy Course", October 2017

Baylor University Academy for Teaching and Learning, Seminars in Excellence in Teaching, November 2016

Webinar, Pearson Education, "The Art of Teaching A&P: Improving Visual Literacy to Increase Learning", October 2016

Combined Sections Meeting 2016, American Physical Therapy Association

- Using Mobile Devices to Document Objective Change in Function
- Pushing the Limits: Novel Balance Approaches in Aging and Stroke

- Neurology Section Platform Presentations I: Stroke Rehabilitation and Recovery
- Optimizing Exercise Effects on Neuroplasticity to Promote Motor Rehabilitation
- The Unrelenting Misperceptions of Spasticity and Hypertonicity
- What Is Backward Disequilibrium and How Do I Treat It
- Predicting Recovery of Upper Limb Function After Stroke
- Making Real-World Arm Use Measurement a Clinical Reality in Stroke
- PTNow and MSEDGE: Using APTA's Translational Knowledge Resources to Manage the Patient with Multiple Sclerosis
- NCS Breakfast: What the World Needs Now Are Practice Leaders

Combined Sections Meeting 2015, American Physical Therapy Association

- Linking Neuroanatomy to Function in MS: Mechanisms Driving Gait Deviations
- Strategies and Benefits of Successful Implementation of a Clinical Trial into the Clinic: Using a Randomized Controlled Trial as a Model for Translational Research
- Neurology Section Moderated Platform Session I: Gait and Balance I
- Walking the Walk: Translation of Scientific Findings to Improve Locomotor Recovery Poststroke
- Free Yourself and Your Practice from Physician Referrals
- High Intensity Aerobic Exercise to Enhance Plasticity Post-Stroke
- DDSIG: Use of Mobile Health Technology to Facilitate Long-Term Engagement in Exercise in Persons with Chronic Neurological Conditions
- Knocking Out Parkinsons: A Collaborative, Community-Based Partnership

2015 Specialist Certification Examination Item Writing: An Overview

Combined Sections Meeting 2014, American Physical Therapy Association

- Anne Shumway-Cook Lecture
- Standardizing your Stroke Program
- Falls: Screenings vs Assessments Versus Outcome Measures
- Functional Electrical Stimulation in Neurorehabilitation
- Emerging Issues in Medicare and Health Care Reform, Part 2
- Neurologic Practice Issues Forum

2013 Spinal Cord Injury

Combined Sections Meeting 2012, American Physical Therapy Association

- Own Your Own Future: Is an Opportunity in Private Practice for You?
- Emerging Trends in Private Insurance and Workers' Compensation
- Defining Value in Physical Therapy Care: More Is Not Better, Less Is Not Better, Better Is Better
- Educators in Global Health: The PT-PTA Relationship During Disaster Relief Work
- Standardized Treadmill Training: Raising Expectations for Gait Training Post-Stroke
- The Art of Documentation: Effective and Clear Documentation of Nontraditional Therapeutic Activities
- The LEAPS Trial Revisited: Discussion of Research, Current Evidence, and Clinical Practice in Post-stroke Rehabilitation
- Getting Your Clients Complex Seating and Mobility Technology: Evaluation, Documentation, and Reimbursement
- Differential Diagnosis and Management of Atypical Benign Paroxysmal Positional Vertigo

Combined Sections Meeting 2011, American Physical Therapy Association

- The Brain Recovery Core: Building a Model System for Organized Stroke Rehabilitation

- StrokEDGE: Report and Recommendations from the Neurology Section Task Force on Outcome Measurement for Individuals with Stroke
- Using Virtual Reality and Games to Augment Physical Therapist Practice
- Poor Balance Control: Evaluation and Treatment Based on Contributing Systems
- Functional Electrical Stimulation and Central Nervous System Disorders: The Responses of Different Patient Populations to Peroneal Nerve FES When Used Alone or in Combination with Other Treatment Modalities
- Brain Power: Strategies to Target Brain Activation for Improved Motor Control

2010 International Seating Symposium, Vancouver, British Columbia

2009 Stroke Rehab Update: New and Effective Reimbursable Treatments Including Modified Constraint-Induced Therapy

2009 PT CPI (Clinical Performance Instrument)

Professional Service and Memberships:

Faculty, AmRef International University, Kenya: teaching *Neuromuscular Practice I & II* (Fall 2020/Spring 2021).

Participant, International Neurologic Physiotherapy Association working group advising physiotherapists in Nepal (May 2019 to present).

Baylor DPT Admissions Committee (March 2019 to present).

Baylor Crew Faculty Adviser (August 2017 to present).

Guest Instructor, The Jackson Clinics Foundation, Inc. Kenya Medical Training College, Physiotherapy program, *Neuromuscular Practice II* (August 2019).

Member of the Specialization Academy of Content Experts (SACE) as an item writer for the Neurology Specialty Council, American Board of Physical Therapy Specialties; two-year appointment (2018-2019).

Abstract Reviewer for the American Association of Clinical Anatomists 2019 Annual Meeting.

Guest Lecturer, Franklin Pierce University, *Neuroscience of Pain* (April 2019).

Reviewer, Academy of Neurologic Physical Therapy, A Clinical Practice Guideline: A Core Set of Outcome Measures for Neurologic Rehabilitation.

Instructor, Health Volunteers Overseas, Vietnam Project in Ho Chi Minh City: "Rehabilitation Following Cerebrovascular Insult".

Member, American Physical Therapy Association

Member, Washington Physical Therapy Association

Member, APTA Academy of Neurologic Physical Therapy

Member, APTA Education Section

Member, American Association of Anatomists

Member, American Association of Clinical Anatomists

Prior Student Liaison Texas Physical Therapy Association Governmental Affairs Committee

Community Service

Coach, Naches Youth Soccer Association x 8 years.

Assistant Coach: Sun City Strikers, Crossfire Yakima (Yakima Youth Soccer Association)

Treasurer, Naches Valley Men's Soccer

Previous Missions Participation:

50th Anniversary Events, Vietnam Baptist Convention, Ho Chi Minh City, Vietnam

Volunteer work, Elim Christian Center, Poland (2 separate trips organized by chaplains with USAG Schweinfurt)

Volunteer work, International Mission Board-sponsored project, Tegucigalpa, Honduras
English Bible Camp, Taiwan

Previous Volunteer, SKIFORALL Adaptive Water-Ski Program, Renton, Washington
Previous Coordinator, Head Injury Support Group, Yakima, Washington

Academic and Professional Honors and Awards:

Employee of the Year, 2009, Yakima Regional Medical & Cardiac Center
Recipient of Rehabilitation Services Administration Grant Traineeship, TWU
Award for Leadership Achievement, TWU
Recipient of Texas Woman's University PT Alumni Association Niehuss Scholarship