TEXAS STATE VITA

I. Academic/Professional Background

A. Name: Erin Lally Title: Assistant Professor

B. Educational Background

Degree	*Year*	*University*	*Major*	*Thesis/Dissertation*
Ph.D.	2023	University of Wisconsin-Milwaukee	Health Sciences	Using Music to Modify Step-rate and Running Biomechanics in Healthy Runners
M.S.	2016	Illinois State University	Athletic Training	Range of Motion and Plantar Foot Pressure in Those With and Without a Lateral Hip Shift During an Overhead Squat
B.S.	2010	Illinois State University	Athletic Training	NA

C. University Experience

Position	**University**	**Dates**
Assistant Professor	Texas State University	8/23-Present
Teaching Assistant and Lecturer	University of Wisconsin-Milwaukee	8/18 - 5/23
Clinical Education Coordinator and Instructor	Colorado Mesa University	8/16 - 5/18
Teaching Assistant	Illinois State University	8/14-05/16

D. Relevant Professional Experience

Position	**Employer**	**Dates**
Athletic Trainer, PRN	ATI Physical Therapy	8/18 - 9/20
Assistant Athletic Trainer	Lincoln College	10/14 - 5/16
Graduate Assistant Athletic Trainer	Illinois State University	8/14-5/16

E. Other Professional Credentials (licensure, certification, etc.)

Adult Mental Health First Aid certified
Athletic Training Licensure, States of Texas, AT9569
CPR and AED certified rescuer
BOC Certified Athletic Trainer, 2000016536
National Provider ID, 1770238032
Certified Graston Technique Clinician

CAATE approved preceptor
ORCID iD, 0009-0009-4578-0411

II. TEACHING

A. Teaching Honors and Awards:

"What the Best College Professors Do" recognition, University of Wisconsin-Milwaukee Occupational Therapy MS Program, May 2023

B. Courses Taught:

MS Level Courses, Texas State University

AT5300: Musculoskeletal Assessment of the Lower Extremity
AT5343: Interdisciplinary Approach in Athletic Training
AT5399: Thesis (graduate)

BS Level Courses, Texas State University

AT3312: Clinical Assessment II (hybrid)
AT4313: Therapeutic Interventions (hybrid)
AT4313: Therapeutic Interventions (online)

BS Level Courses, University of Wisconsin-Milwaukee

CHS 100: College of Health Sciences Freshman Seminar
KIN 320: Undergraduate Biomechanics Lab
KIN 325: Anatomical Kinesiology Cadaver Lab
KIN 235: Intro to Nutrition for Health Professionals
NUTR 241: Why We Eat What We Eat: An Ecological Approach
KIN 400: Ethics in the Health Professions
KINE 240: Introduction to Clinical Athletic Training
KINE 253: Clinical Experiences in Athletic Training I
KINE 368: Clinical Experiences in Athletic Training II
KINE 367: Clinical Experiences in Athletic Training III
KINE 378: Clinical Experiences in Athletic Training IIII
KINE 370: Biomechanics (lecture and lab)
KINE 309: Anatomical Kinesiology
KINE 487: Structured Research Honors

MS Level Courses, University of Wisconsin-Milwaukee

ATRAIN 725: Gross Anatomical Kinesiology Cadaver Lab (MSAT, DPT, OT Program)
ATRAIN747: Clinical Examination and Diagnosis of Lower Extremity in Athletic Training (MSAT Program)
ATRAIN757: Foundations of Therapeutic Interventions in Athletic Training (MSAT Program)
OCCTHPY 704: Musculoskeletal and Biomechanical Analysis and Occupational Function
ATRAIN 748 Clinical Exam and Diagnosis of the Head and Spine in Athletic Training
ATRAIN 787: Clinical Education in Athletic Training III

ATRAIN 708: Clinical Gait Analysis

C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):

Alvarado J, Blakley A, Lally EM, Koldenhoven RM. Clinically accessible gait training strategies for individuals with chronic ankle instability: A pilot study. Aug 2025-present, Texas State University, Member

Delgado M, Llanas E, Koldenhoven RM, Lally EM. Validity and reliability of 2-dimensional joint angle analysis during running and walking. Aug 2025-present, Texas State University, Chair

Horwath Z, Rodriguez L, Lally EM. Music genre preference for exercisers. May 2023-present, Texas State University, Chair

Rodriguez L, Horwath Z, Lally EM. Listening habits for activities of daily living compared to listening habits for exercise. May 2023- present, Texas State University, Chair

Leal B, Berumen B, Lally EM. Common musculoskeletal conditions in Latino farm workers. May 2023- present, Texas State University, Chair

Beck J, Miller KC, Lally EM, Koldenhoven RM, Uriegas NA, Valadez SG. Using ice packing with body bags to treat hyperthermia. May 2023- May 2025, Texas State University, Member

Valadez SG, Beck J, Lally EM, Koldenhoven RM, Uriegas NA, Miller KC. The relationship between gait biomechanics and body temperature. May 2023- May 2025, Texas State University, Member

Hanson J, Koldenhoven RM, Lally EM. Sound-Based Interventions and Their Impact on Lower Extremity Biomechanics in Parkinson's and Alzheimer's Patients: a systematic review. Dec 2024-Dec 2025, Texas State University, Co-chair

Thapa A, Panhan AC, Lally EM, Kim J. Music Enhances Motor Cortex Excitability in Physically Active Individuals. Nov 2023-Dec 2025, Texas State University, Member

Johnson D, Maldonado R, Lally EM. Does dynamic movement assessment predict anterior cruciate ligament rupture? Aug 2023- April 2025, Texas State University, Chair

Waller, S, Lally EM, Koldenhoven Rolfe, RM. Effects of visual biofeedback gait training during walking on running gait biomechanics in individuals with chronic ankle instability. Aug 2023- May 2023, Texas State University, Member

Jensen A, Wagner K, Nelson S, Sever M, Lally EM, Determining Validity of Using Inertial Measurement Units to Calculate Ground Reaction Force. 2021-2022, University of Wisconsin-Milwaukee, Member

LeClair, D, Lally EM, Does gait retraining with forefoot strike improve runner's biomechanics and patellofemoral pain symptoms more than increasing cadence? 2019, University of Wisconsin-Milwaukee, Member

D. Courses Prepared and Curriculum Development:

Prepared:

AT5300: Musculoskeletal Assessment of the Lower Extremity
AT5343: Interdisciplinary Approach to Athletic Training
AT3312: Clinical Assessment II
AT4313: Therapeutic Interventions

Developed

KIN 320: Undergraduate Biomechanics Lecture and Lab
KINE 309: Anatomical Kinesiology
KINE 487: Structured Research Honors

Co-authored

ATRAIN 708: Clinical Gait Analysis
ATRAIN 725: Gross Anatomical Kinesiology Cadaver Lab
ATRAIN747: Clinical Examination and Diagnosis of Lower Extremity in Athletic Training
OCCTHPY 704: Musculoskeletal and Biomechanical Analysis and Occupational Function

E. Teaching Grants and Contracts

1. Funded External Teaching Grants and Contracts: NA

2. Submitted, but not Funded, External Teaching Grants and Contracts: NA

3. Funded Internal Teaching Grants and Contracts: NA

4. Submitted, but not Funded, Internal Teaching Grants and Contracts: NA

F. Other: NA

G. Teaching Professional Development Activities Attended

Teaching with Care: Understanding Student Mental Health in the Classroom | Texas State University | 2025

Effectively Supporting Students Who Are Neurodivergent in the Classroom | Texas State University | 2025

H5P Workshop | Texas State University | 2025

AI in Academia Dialogue | Texas State University | 2024

Providing Effective Feedback on Graduate Student Writing | Texas State University | 2024

STEP Program Session: Annual Performance Review and Faculty Qualifications | Texas State University | 2023

Jazzing Up Canvas | Texas State University | 2023

STEP Program Session: Career-Life Integration | Texas State University | 2023

Anti-racism & Allyship for Rehab and Movement Professionals Live Webinar | 2020

Teaching and Cultural Competence, Becoming Self-aware: an Exploration of Culture to Support Students Workshop | Milwaukee, Wisconsin | 2020

What's the Big Deal about Academic Freedom? Webinar | Milwaukee, Wisconsin | 2019

Diversity and Inclusivity Webinar | Milwaukee, Wisconsin | 2019

Communicating Your Work to an Outside Audience | Milwaukee, Wisconsin | 2018

University of Wisconsin Milwaukee Center for Excellent in Teaching and Learning: Professional Development Workshop | Milwaukee, Wisconsin | 2018

Illinois State Teaching and Learning Center: Instructional Design for Future Faculty Workshop | Normal, Illinois | 2016

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press):

1. Books:

a. Scholarly Monographs: NA

b. Textbooks: NA

c. Edited Books: NA

d. Chapters in Books: NA

e. Creative Books: NA

2. Articles:

a. Refereed Journal Articles:
* indicates student author

Miller KC, Beck JL, Valadez SG, Koldenhoven RM, Uriegas NA, **Lally EM**. Using ice packing and the Polar Life Pod to treat severe hyperthermia. *Am J Emerg Med.* 2025;99:201-206. doi:10.1016/j.ajem.2025.09.038

Lally EM, Ericksen HM, Azen R, Huddelston W, Earl-Boehm JE. In-field Gait Retraining Adherence Improves with Music Auditory Cueing. *J Sport Sci.* 2025;1–11. doi:10.1080/02640414.2025.2568250.

Lally EM, Ericksen HM, Azen R, Huddelston W, Earl-Boehm JE. Running Step-rate Can be Increased with Both Music and Metronome Auditory Cueing. (published online ahead of print). *J Sport Rehabil.* 2025. https://doi.org/10.1123/jsr.2024-0392.

*Johnson D, Maldonado R, **Lally EM**. Movement Assessment as Predictors for Initial Anterior Cruciate Ligament Injury: A Critically Appraised Topic. (published online ahead of print) *J Sport Rehabil*. 2025.https://doi:10.1123/jsr.2024-0362

Miller KC, Koldenhoven Rolfe R, **Lally EM.** Validity of Common Body Temperature Sites and Gait Parameters during a Heat Tolerance Test. *Temperature.* 2025;1–14. https://doi.org/10.1080/23328940.2025.2493456

*Mach M, **Lally EM**, Ericksen HM, Earl-Boehm JE. Foot-Placed Inertial Measurement Units are Valid Against Shank-Placed Units When Measuring Temporospatial Running Variables. (published online ahead of print). *J Sport Rehabil.* 2025. https://doi.org/10.1123/jsr.2024-0258

Ericksen HM, **Lally EM,** Earl-Boehm JE. External focus instruction is no better than internal focus instruction on jump-landing biomechanics in healthy females. *J Athl Train.* 2024;59(1):45-52. https://doi:10.4085/1062-6050-0154.23.

Lally EM, Ericksen HM, Mach M, Earl-Boehm J. Movement quality assessment of Army Reserve Officers' Training Corps cadets: A report of validity and normative data. *Mil Med.* 2024;189(11-12):e2537-e2544. https://doi:10.1093/milmed/usae266.

Earl-Boehm JE, Mach MS, **Lally EM,** O'Connor M, Ericksen HM. Reliability and construct validity of the Single-Leg Landing Error Scoring System (SL-LESS) in physically active females. *J Sports Med Allied Health Sci.* 2023;9(1):Article 2. https://doi:10.25035/jsmahs.09.01.02.

Lally EM, Thorpe J, Ericksen HM, Earl-Boehm JE. Reliability and criterion validity of two-dimensional movement assessments in those with patellofemoral pain. *Phys Ther Sport.* 2022;58:134-140. https://doi:10.1016/j.ptsp.2022.10.008.

Lally EM, Ericksen HM, Earl-Boehm JE. Measurement properties of clinically accessible movement assessment tools for analyzing jump-landings: A systematic review. *J Sport Rehabil.* 2022;31(4):476-489. https://doi:10.1123/jsr.2021-0287.

Lally EM, Ericksen HM, Earl-Boehm JE. Measurement properties of clinically accessible movement assessment tools for analyzing single-leg squats and step-downs: A systematic review. *J Sport Rehabil.* 2022;31(4):465-475. https://doi:10.1123/jsr.2021-0288.

b. Non-refereed Articles: NA

3. Conference Proceedings:

a. Refereed Conference Proceedings: NA

b. Non-refereed: NA

4. Abstracts:
* indicates student author

Ericksen HM, **Lally EM**, Earl-Boehm JE. Reliability of 2D Motion Assessment in Army Reserve Officers' Training Corps Cadets. Submitted to National Athletic Trainers' Association, Orlando, FL. *J Athl Train.* 2025.

Lally EM, Ericksen HM, Earl-Boehm JE. Effects of Self-administered Gait Retraining on Running Biomechanics and Compliance. *J Athl Train.* 2024

Earl-Boehm JE, Reckelberg R, Mach M, Stone B, **Lally EM**, Hanson A, Ericksen H. Biomechanical Analysis of The Army Combat Fitness Test Standing Power Throw. *J Athl Train.* 2024

Lally EM, Ericksen HM, Earl-Boehm JE. Using Music to Modify Step-rate and Running Biomechanics in Healthy Runners. *J Athl Train.* 2023

Lally EM, Ericksen HM, Earl-Boehm JE. Both Music & Metronome Cue Can Increase Step-rate and Decrease Tibial Acceleration During Running. *J Athl Train.* 2023

Lally EM, Begalle R, Selkow N. Plantar Foot Pressures in those with and without a Lateral Hip Shift During an Overhead Squat. *J Athl Train.* 2017

5. Reports: NA

6. Book Reviews: NA

7. Essays: NA

8. Poems: NA

9. Short Stories: NA

10. Other Works in Print: NA

B. Works Not in Print:

1. Papers Presented at Professional Meetings:
* indicates student author

2. Invited Talks, Lectures, and Presentations:

* indicates student author

Lally EM, Ericksen HM, Earl-Boehm JE. Comparison of music and metronome step-rate gait retraining on running biomechanics and running exertion. 8th Annual International Patellofemoral Pain Research Retreat, International Patellofemoral Pain Research Network; Oct 2025; Boston, MA.

*Horwath Z, Rodriguez L, Bender S, Miller K, Paulson, G, **Lally EM**. Music Genre Preferences of U.S. Exercisers: Applications for Health Promotion. Texas Society for Public Health Education Conference, Texas Society for Public Health Education; Sept 2025; San Marcos, TX.

Lally EM. Music is Sports Medicine, National Athletic Trainers' Association Interactive Lecture, National Athletic Trainers' Association; June 2025; Orlando, FL.

Lally EM. Sound of Movement: Leveraging Music for Movement Reeducation. South Padre Athletic Trainers' Association Oral Lecture, South Padre Athletic Trainers' Association; June 2025; South Padre, TX.

*Thapa A, Panhan AC, **Lally EM**, Kim J. Music Enhances Motor Cortex Excitability in Physically Active Individuals, Texas American College of Sport Medicine Annual Meeting, Texas American College of Sport Medicine, Waco, TX. 2025

Lally EM, Ericksen HM, Earl-Boehm JE. Effects of self-administered gait retraining on running biomechanics and compliance. National Athletic Trainers' Association Annual Clinical Symposia Poster Presentation, National Athletic Trainers' Association; June 2024; New Orleans, LA.

Lally EM. Music is sports medicine. South Padre Athletic Trainers' Association Oral Lecture, South Padre Athletic Trainers' Association; June 2024; South Padre, TX.

Lally EM, Ericksen HM, Earl-Boehm JE. Both music and metronome cues can increase step-rate and decrease tibial acceleration during running. National Athletic Trainers' Association Annual Clinical Symposia Oral Presentation, National Athletic Trainers' Association; June 2023; Indianapolis, IN.

Lally EM, Ericksen HM, Earl-Boehm JE. Using music to modify step-rate and running biomechanics in healthy runners. Wisconsin Athletic Trainers' Association Annual Clinical Symposium Oral Presentation, Wisconsin Athletic Trainers' Association; April 2023; Steven's Point, WI.

Lally EM, Ericksen HM, Earl-Boehm JE. Increased step-rate and decreased tibial acceleration during running can be acquired and maintained using both music and metronome cues. Great Lakes Athletic Trainers' Association Annual Clinical Symposium Oral Presentation, Great Lakes Athletic Trainers' Association; March 2023; Wheaton, IL.

*Mach MS, Ericksen HM, **Lally EM,** Earl-Boehm JE. Reliability and construct validity of the single-leg landing error scoring system (SL-LESS) in physically active females.

American College of Sports Medicine Annual Meeting and World Congress Conference Poster Presentation, American College of Sports Medicine; July 2022; San Diego, CA.

Lally EM, Thorpe J, Ericksen HM, Earl-Boehm JE. Reliability and criterion validity of hip and knee frontal plane projection angles and dynamic valgus index in those with patellofemoral pain. Great Lakes Athletic Trainers' Association Annual Clinical Symposium Oral Presentation, Great Lakes Athletic Trainers' Association; March 2022; Wheaton, IL.

Ericksen HM, **Lally EM,** Earl-Boehm JE. Investigating the effect of external focus instruction versus internal focus instruction and a control on jump-landing biomechanics in healthy females. Great Lakes Athletic Trainers' Association Annual Clinical Symposium Oral Presentation, Great Lakes Athletic Trainers' Association; March 2022; Wheaton, IL.

Lally EM, Thorpe JL, Ericksen HM, Earl-Boehm JE. Reliability and criterion validity of two-dimensional movement assessments in those with patellofemoral pain. UWM Partners for Health Spring Research Symposium Oral Presentation, University Wisconsin-Milwaukee, May 2022; Milwaukee, WI.

Thorpe JL, Arvinen-Barrow M, Bazett-Jones DM, Huddleston WE, **Lally EM**, Earl-Boehm JE. The use of a squat retraining intervention for patellofemoral pain. Wisconsin Athletic Trainers' Association Annual Clinical Symposium Oral Presentation, Wisconsin Athletic Trainers' Association; April 2022; Steven's Point, WI.

*Huddleston W, Earl-Boehm JE, **Lally EM,** Jensen A, Wagner K, Nelson S, Sever M. Determining validity of using inertial measurement units to calculate ground reaction force. UWM Partners for Health Spring Research Symposium Oral Presentation, University of Wisconsin-Milwaukee, May 2022; Milwaukee, WI.

Lally EM, Ericksen HM, Earl-Boehm JE. Systematic review of the reliability and validity of clinically relevant movement assessment tools: Rubric and 2D video analysis of single-leg squats and step-down tasks. UWM Partners for Health Spring Virtual Research Symposium Oral Presentation, University of Wisconsin-Milwaukee, May 2021; Milwaukee, WI.

Lally EM, Earl-Boehm JE, Ericksen HM. Investigating the effect of external focus instruction versus internal focus instruction and a control on jump-landing biomechanics in healthy females. UWM Partners for Health Spring Research Symposium Poster Presentation; University of Wisconsin-Milwaukee, May 2019; Milwaukee, WI.

Lally EM, Begalle R, Selkow N. Plantar foot pressures in those with and without a lateral hip shift during an overhead squat. National Athletic Trainers' Association Annual Clinical Symposia Oral Presentation, National Athletic Trainers' Association; June 2017; Houston, TX.

Lally EM, Begalle R, Selkow N. Plantar foot pressures in those with and without a lateral hip shift during an overhead squat. Rocky Mountain Athletic Trainers' Association

Annual Clinical Symposia Oral Presentation, Rocky Mountain Athletic Trainers' Association; March 2017; Westminster, CO.

3. Consultancies: NA

4. Workshops: NA

5. Other Works not in Print:

a. Works "submitted" or "under review":
* indicates student author

Lally EM, Ericksen HM, Azen R, Huddleston W, Earl-Boehm JE. Comparison of music- and metronome-based step-rate gait retraining on running biomechanics and running exertion. *J Athl Train.* Under review; 2026.

Zimmermann JM, Bender SH, **Lally EM.** The feasibility of a modified Aquaticity Assessment Test (AAT). *J Bodyw Mov Ther.* Under review; 2026.

Ericksen HM, Lally EM, Mach MS, Reckelberg R, Earl-Boehm JE. A modified DIME intervention in Army Reserve Officers' Training Corps cadets. *Phys Ther Sport.* Under review; 2026.

Abstract submissions under review:

b. Works "in progress":
* indicates student author

Waller S*, **Lally EM**, Koldenhoven RM. Effects of visual biofeedback gait training during walking on running gait biomechanics in individuals with chronic ankle instability. In preparation; 2026.

Kim J, Thapa A, **Lally EM**. Enhanced cortical excitability of the lower extremity by music listening regardless of music preference. *Hum Mov Sci.* In preparation; 2026.

Lally EM, Horwath Z*, Rodriguez L*, Bender S, Miller K, Paulson G. Exercisers' perceptions of music, movement, and performance: insights for biomechanical interventions. *Psychol Music.* In preparation; 2026.

Koldenhoven RM and **Lally EM.** Gait training improved ankle biomechanics and plantar pressure using internal and external focus verbal. In preparation; 2026.

Z Horwath*, L Rodriguez*, **Lally EM**. Music genre preference for exercisers. In manuscript preparation; 2026

L Rodriguez*, Z Horwath*, **Lally EM.** The association between listening habits during activities of daily living and listening habits during exercise. In manuscript preparation; 2026

Lally EM & Koldenhoven RM. The effects of music on running and walking biomechanics. In data collection; 2026

Berumen-Flucker B, Leal B*, **Lally EM.** Common musculoskeletal conditions in Latino farm workers: a systematic review. In preparation; 2026.

Lally EM, Beck J, Valadez S, Uriegas N, Miller KC, Koldenhoven RM. Gait parameters during high intensity exercise in the heat. *Clin Biomech.* In preparation; 2026.

c. Other Works Not in Print: NA

C. Scholarly / Creative Grants and Contracts:

1. Funded External Grants and Contracts:

Lally EM, Ericksen HM, Earl-Boehm JE. Using Music to Modify Step-rate and Running Biomechanics in Healthy Runners: during the acquisition phase of motor learning. Wisconsin Athletic Trainers' Association Doctoral Student Research Award. $2,000. 2022-2023. Completed

Lally EM, Ericksen HM, Earl-Boehm JE. Using Music to Modify Step-rate and Running Biomechanics in Healthy Runners: a self-administered gait retraining program. Great Lakes Athletic Trainers' Association Doctoral Student Research Award. $2,500. 2022-2023. Completed

2. Submitted, but not Funded, External Grants and Contracts: NA

Lally EM and Koldenhoven R. A comparison of running biomechanics and patient outcomes in runners with patellofemoral pain receiving music-based gait retraining, metronome-based gait retraining, and a control group. National Athletic Trainers' Association General Grant. $50,000. Aug 2025. Not Funded.

Koldenhoven R and **Lally EM**. Clinical Based Gait Training Strategies for Individuals with Chronic Ankle Instability. National Athletic Trainers' Association General Grant. $50,000. Feb 2025. Not Funded.

Dejong Lempke AF, Hermansen J, Koldenhoven RM, Casa D, Perera R, Miller K, **Lally EM,** Szymanski M, Huggins R, Butler C. Environmental Influences on Running Biomechanics and Physiological Adaptations During Military Fitness Testing (EnviRunMent). Department of Defense. $2,821,374.00. March 2025. Not Funded.

Lally EM, Koldenhoven RM, Uriegas, N. The effects of increasing running step-rate on biomechanics and performance in runners with patellofemoral pain. Wu

Tsai Human Performance Alliance External Agility Project. $200,000. Nov 2024. Not Funded.

Berumen-Flucker B and **Lally EM**. Musculoskeletal wellness training for agricultural workers. U.S. Department of Labor, Occupational Safety and Health Administration, Susan Harwood Grant Award. $80,000. June 2024. Not Funded.

Dejong Lempke AF, Hermansen J, Koldenhoven RM, Casa D, Perera R, Miller K, **Lally EM**, Szymanski M, Huggins R, Butler C. Environmental influences on running biomechanics and physiological adaptations during military fitness testing (EnviRunMent). Department of Defense. $2,821,374. March 2024. Not Funded.

Koldenhoven RM and **Lally EM**. Clinical-based gait training strategies for individuals with chronic ankle instability. National Athletic Trainers' Association General Grant. $50,000. Feb 2024. Not Funded.

External grants in preparation for submission/under review:

Dejong Lempke AF, Hermansen J, Koldenhoven RM, Casa D, Perera R, Miller K, **Lally EM**, Szymanski M, Huggins R, Butler C. Environmental Influences on Running Biomechanics and Physiological Adaptations During Military Fitness Testing (EnviRunMent). National Institute of Health R01. $1,762,690.00. Submitted Oct 2025.

Kim J and **Lally EM.** Neuro-biomechanical approach to the effects of transcranial direct current stimulation on knee pain and knee osteoarthritis. National Institute of Health R15, HEAL Initiative: Pain Research Enhancement Program (PREP). $300,000. Submitted Oct 2025**.**

3. Funded Internal Grants and Contracts:

Lally EM and Koldenhoven R. Impacts of music-based gait retraining and metronome-based gait retraining in runners with patellofemoral pain. Texas State Research Enhancement Program Grant. $24,000. 2026, Funded.

Rolfe Koldenhoven R and **Lally EM**. Clinical Based Gait Training Strategies for Individuals with Chronic Ankle Instability: A Pilot Study. Texas State Research Enhancement Program Grant. $16,000. 2023. Completed.

4. Submitted, but not Funded, Internal Grants and Contracts: NA

D. Scholarly / Creative Fellowships, Awards, Honors:
* indicates student author

*Second Place Poster Presentation Winner in Master Student Category | Texas American College of Sport Medicine Annual Conference | 2025

Presenter: Anupama Thapa, Music Enhances Motor Cortex Excitability in Physically Active Individuals

Podium Presentation Finalist and Third Place Award Winner | UWM Partners for Health Spring Research Symposium | 2023

Most Innovative Data Collection Methods | UWM Partners for Health Spring Virtual Research Symposium | 2022

Outstanding Scientific Significance and Impact | UWM Partners for Health Spring Virtual Research Symposium | 2022

Best Graphic Design | UWM Partners for Health Spring Virtual Research Symposium | 2021

Outstanding Overall Video Presentation | UWM Partners for Health Spring Virtual Research Symposium | 2021

E. Scholarly / Creative Professional Development Activities Attended:

GrantReady Program Participant | Texas State College of Education | Sept 2025- current

Mentor Program | National Athletic Trainers' Association | June 2025- current

Research Enhancement Program Informational Meeting | Texas State University | 2025

The Grant Writer's Guide to the Galaxy: Foundations for Grant Writing | Texas State University | 2025

Faculty Focus Session, Promotion to Professor: Advice for Associate Professors | Texas State University | 2025

Research GPS: Charting Your Course Through Managing Awards | Texas State University | 2025

Research GPS: Charting Your Course Through Submitting Proposals | Texas State University | 2025

Accelerating Research Innovation | Texas State University | 2024

Data Visualization in SPSS Workshop | Texas State University | 2024

AI in Academia Dialogue | Texas State University | 2024

Mastering the Art of Survey Design! Building Block for Effective Research | Texas State University | 2024

Career Counseling with Dr. Jose Hinestroza | Texas State University | 2023

STEP Program Session: Finding Funding for Scholarship | Texas State University | 2023

Research Enhancement Program Informational Meeting | Texas State University | 2023

External Stakeholders Clinical Biomechanics Tour | Texas State University | 2023

F. Media Recognition:

IV. SERVICE

A. Institutional

1. University:

Texas State Bobcat Rise Classroom Etiquette Seminar Organizer/ Participant | Aug 2025
Faculty Judge, Texas State Graduate Student Research Conference | April 2025
Texas State Undergraduate Research Faculty Reviewer | March 2025
Texas State Bobcat Rise Classroom Etiquette Seminar Organizer/ Participant | Aug 2024
Faculty Judge, Texas State Graduate Student Research Conference | March 2024

2. College:

Texas State College of Education Scholarship Committee Member | Aug 2023-Current
Texas State College of Education Research Enhancement Project Grant Alternate Reviewer | Oct 2024
University of Wisconsin Milwaukee, Kinesiology Graduate Association Officer, Sept 2020 – Sept 2022
Colorado Mesa University Search Committee Chair, Physician's Assistant Program Clinical Admissions Coordinator | May 2017

3. Department/School:

Member, Dept. of Health and Human Performance Technology Committee | Sept 2025- current
Member, Texas State MSAT Hooding Ceremony Committee | Jan 2025- Current
Volunteer, Texas State Athletic Training Program High School Visitation. | Nov 2024
Member, Texas State Department of HHP Purchasing/Admin Assistant Search Committee | Sept 2024- Current
Member, Texas State Department of Health and Human Performance Scholarship Committee| Aug 2023- Current
Volunteer, Texas State Athletic Training Student Injury Clinic. | Aug 2023-Current
Texas State Summer Camp Seminar Lecture, Splinting and Bracing | June 2024
Member, MSAT Admission Committee | Oct 2023- May 2024
Volunteer Faculty Judge, Dept of Health and Human Performance Scholar's Day Presentations | March 2024
Volunteer, Texas State Athletic Training Program High School Visitation. | Oct 2023
Volunteer, External Stakeholders Clinical Biomechanics and Exercise Physiology Tour | Sept 2023
Chair, Colorado Mesa University Search Committee, Athletic Training Program Clinical Education Coordinator | May 2018

Member, Colorado Mesa University Search Committee, Internship in Athletic Training | Nov 2017
Faculty Advisor, Colorado Mesa University, Athletic Training Club | Aug 2016 – May 2018

B. Professional:

Reviewer, Journal of Orthopaedic Surgery and Research Journal | Aug 2025- Current
Reviewer, BMC Sport Science Medicine and Rehabilitation | Oct 2025- Current
Reviewer, PT in Sport Journal | April 2025- Current
Participant, National Athletic Trainers' Association Mentor Program | June 2025- current
Reviewer, International Society of Biomechanics Student Grant Proposals| March 2025
Member, International Women in Biomechanics Social Media Committee | Aug 2024- Current
Co-Chair, South Padre Island Conference Planning Committee | July 2024- Current
Reviewer, Sports Health: A multidisciplinary approach Journal | Dec 2023 - Current
Reviewer, Journal of Athletic Training | March 2022 – Current
Reviewer, Clinical Practice for Athletic Training Journal | March 2022 – Current
Reviewer, National Athletic Training Association Convention Project Proposal | 2023
Guest Speaker, Concordia University: Athletic Training Biomechanists | 2023
Guest Speaker, Franklin College: Gait Retraining Biomechanics | 2023
Guest Speaker, Boise State University: Research in Clinical Biomechanics | 2023
Volunteer, International Patellofemoral Research Retreat Convention | 2019
Moderator, National Athletic Trainers' Association Convention | 2018
Guest Speaker, Franklin College: Gait Retraining Biomechanics | 2022
Guest Speaker, Illinois State University: Gait Biomechanics | 2022
Guest Speaker, Franklin College: Pain Science in Relation to Athletic Training | 2021

C. Community:

Volunteer, Holiday Head Start Angel Tree, San Marcos, TX | 2023
Volunteer, Holiday Head Start Angel Tree, San Marcos, TX | 2024

D. Organization Memberships:

Professional member of National Athletic Trainers' Association
Professional member of Southwest Athletic Trainers' Association
Professional member of Valley Athletic Trainers' Association
Professional member of International Women in Biomechanics Organization
Professional member of National Association for Kinesiology in Higher Education
Professional member of International Society of Biomechanics

E. Service Honors and Awards: NA

F. Service Grants and Contracts:

1. Funded External Service Grants and Contracts: NA

2. Submitted, but not Funded, External Service Grants and Contracts: NA

3. Funded Internal Service Grants and Contracts: NA

4. Submitted, but not Funded, Internal Service Grants and Contracts: NA

G. Service Professional Development Activities Attended: NA