# Educational Background

May 2025 **Ph.D. in Human Movement Science**

University of North Carolina at Chapel Hill

School of Medicine

*Dissertation: From Fear to Physical Function: Investigating Cognitive-Affective-Motor Responses after ACL Reconstruction*

2021 – 2022 (Transferred) **Ph.D. in Athletic Injury and Rehabilitation**

Michigan State University

May 2018 **M.S. in Exercise Science**

Auburn University

*Concentrations: Exercise Physiology & Motor Control*

May 2016 **B.S. in Athletic Training**

Texas State University at San Marcos

*Minor: Psychology*

*Honors: Magna Cum Laude*

# Professional, Research, and Training Experience

2024 – Present **Graduate Research Consultant**, UNC Chapel Hill

2022 – Present **Graduate Research Assistant**, UNC Chapel Hill

2022 – Present **Graduate Teaching Assistant**, UNC Chapel Hill

2021 – 2022 **Graduate Research Assistant**, Michigan State University

2021 – 2022 **Graduate Teaching Assistant**, Michigan State University

2019 – 2021 **Occupational Health Athletic Trainer**, ATI Worksite Solutions, AlloSource, Colorado

2019 – 2020 **Adjunct Instructor**, Tennessee State University

2018 – 2019 **Outreach Athletic Trainer**, Benchmark Physical Therapy

2016 – 2018 **Head Athletic Trainer**, USA Team Handball

2010 – 2016 **Nurse Clerk**, Corridor Primary Care Pediatrics

## University of north carolina at chapel hill

### MOTION Science Institute, Graduate Research Assistant

Fall 2022 – Spring 2025 *Training/Skills*: Vicon, visual 3D, Delsys Trigno EMG, Tobii eye tracking, Adobe Creative Cloud (Premiere Pro for motor event coding in video data), Unity virtual reality, OpenCap, Loadsols, head mounted IMUs, SPSS, STATA, R, Clinical Assessment Tools, Patient Reported Outcome Measures

### Psychology of Sport Injury (PSI) Laboratory, Graduate Research Assistant

Fall 2022 – Fall 2024 *Training/Skills*: clinical trial registration and documentation (K23AR079056, NCT05527171 & NCT05949177), REDCap instrumentation creation, collection and automation, mobile eye tracking, neurocognitive hop task design, force sensing insoles, virtual reality interventions and assessments, upper extremity reaction time assessments, isokinetic and isometric strength testing (Humac), Microsoft BI dashboard generation, stimulus presentation code (Python), and lab streaming layer.

### Cassidy Plasticity Laboratory Research Rotation

Spring 2023 – Present *Training/Skills*: EEG processing (MATLAB), event related potential (ERP) processing (Python and MATLAB), EEG spectra analysis, scalp topography, ERP analysis, mobile EEG collection (Brain Products), high density EEG collection (Geodesics).

## Reproducible rehabiliation (reprorehab) (NIH NICHD/NCMRR R25HD105583)

September 2023 – April 2024 *Training/Skills*: Microsoft Excel Visual Basic for Applications [intermediate], MATLAB [intermediate], R [intermediate], Python [intermediate], Github [beginner], complex data sets, data processing automation, data visualization, data intake, data management, data storage, and data analysis.

## Michigan State University

### Behavioral Research & Athletic Injury Neuroscience (BRAIN) Laboratory Graduate Research Assistant

Fall 2021 – Spring 2022. *Training/Skills*: EEG collection (NeuroScan), neurocognitive assessments (Senaptec, FitLight), psychological outcomes, database creation and management (REDCap, Excel)

### Athletic Injury and Rehabilitation (AIR) Laboratory Graduate Research Assistant

Fall 2021 – Summer 2022. *Training/Skills*: return to activity assessments for patients post-ACL reconstruction including collection of kinematic and kinetic data (Vicon Motion Systems, AMTI force plates, Motion Monitor), and strength (Biodex).

## Auburn University

### Pediatric Movement and Physical Activity Laboratory Volunteer

Spring 2017 – Spring 2019. *Training/Skills*: concussion assessment (SCAT5 and BESS testing), participant baseline testing, fMRI safety screening.

### Sports Medicine and Movement Laboratory Volunteer

Fall 2016 – Fall 2017. *Training/Skills*: MotionMonitor, force plate and EMG collection, whole body biomechanics.

# Scholarship

## Peer-Reviewed Journal Articles (in print or accepted)

\*ACL Reconstruction Rehabilitation Outcomes Workgroup (ARROW). Citation included if I made contributions to the manuscript.

1. Roman DP, Ulman S, Butler L, **ARROW**, et al. Age and Sex Differences in Anterior Cruciate Ligament–Return to Sport after Injury Subscale Scores of Emotion, Risk Appraisal, and Confidence After ACL Reconstruction. Orthopaedic Journal of Sports Medicine. 2025;13(7). <https://doi.org/10.1177/23259671251356273>
2. Weaver AP, Kuenze CM, Roman D, **ARROW**, Thompson X. Isokinetic Knee Strength and Patient-Reported Outcomes Differ Between Graft Types in Adolescents After Anterior Cruciate Ligament Reconstruction: A Multicenter Study. Orthopaedic Journal of Sports Medicine. 2025. <https://doi.org/10.1177/23259671251334143>
3. Turner JA, **Reiche ET**, Hartshorne MT, Blodgett JM, Lee CC, Padua DA. Open Source, Open Science: Development of OpenLESS as the Automated Landing Error Scoring System. *J Athl Train*. 2025. <https://doi.org/10.4085/1062-6050-0666.24>
4. Cherelstein RE, Ulman S, Kuenze CM, Harkey MS; ARROW, Butler LS. Greater changes in self-reported activity level are associated with decreased quality of life in patients following an anterior cruciate ligament reconstruction. *Phys Ther Sport*. 2024. <https://doi.org/10.1016/j.ptsp.2024.04.002>
5. Harkey MS, Driban JB, Baez SE, Genoese FM, **Reiche E**, Collins K, Walaszek M, Triplett A, Wilcox CL, Schorfhaar A, Shingles M, Joseph S, Kuenze C. Persistent Early Knee Osteoarthritis Symptoms in the First Two Years After ACL Reconstruction. *J Athl Train*. 2024. <https://doi.org/10.4085/1062-6050-0470.23>
6. Brinkman C, **Reiche E**, Baez S. Athletic Trainers' Perceptions of Implementing Psychological Strategies for Patient Management: A Systematic Review. *J Athl Train*. 2024. <https://doi.org/10.4085/1062-6050-0705.23>
7. Baez SE, Genoese FM, **Reiche ET**, Harkey MS, Kuenze C, Moser J, Pietrosimone B. Feasibility of Mobile Application-Delivered Mindfulness Meditation for Individuals After Anterior Cruciate Ligament Reconstruction. *Intl J Athl Ther Train*. 2024. <https://doi.org/10.1123/ijatt.2023-0004>
8. Brinkman CA, **Reiche E**, Genoese F, Hoch JM, Baez SE. No association between injury-related fear and isokinetic quadriceps strength in individuals with history of anterior cruciate ligament reconstruction. *J Sport Rehab*. 2024. <https://doi.org/10.1123/jsr.2023-0308>
9. Genoese FM, Walaszek MC, Collins KA, **Reiche ET**, Triplett A, Harkey MS, Kuenze CM, Baez SE. Lower extremity visuomotor reaction time is not different between males and females following ACL reconstruction. *Intl J Athl Ther Train*. 2024. <https://doi.org/10.1123/ijatt.2023-0099>
10. **Reiche ET**, Collins KA, Genoese FM, Walaszek M, Triplett AN, Kuenze C, Harkey M, Baez SE. Lower Extremity Reaction Time in Individuals With Contact Versus Noncontact Anterior Cruciate Ligament Injuries After Reconstruction. *J Athl Train*. 2024. <https://doi.org/10.4085/1062-6050-0428.22>
11. **Reiche ET**, Lam K, Genoese FM, Baez SE. Integrating Mindfulness to Reduce Injury Rates in Athletes: A Critically Appraised Topic. *Intl J Athl Ther Train*. 2024. <https://doi.org/10.1123/ijatt.2022-0138>
12. Feiss R, Lutz M, **Reiche E**, Moody J, Pangelinan M. A systematic review of the effectiveness of concussion education programs for coaches and parents of youth athletes. *Int J Environ Res Public Health*. 2020. <https://doi.org/10.3390/ijerph17082665>
13. Feiss R, Dolinger SB, Merritt M, **Reiche E**, Martin K, Yanes JA, Thomas CM, Pangelinan M. A systematic review and meta-analysis of school-based stress, anxiety, and depression prevention programs for adolescents. *J Youth Asolesc*. 2019. <https://doi.org/10.1007%2Fs10964-019-01085-0>

## abstracts (in print or accepted)

\*ACL Reconstruction Rehabilitation Outcomes Workgroup (ARROW). Citation included if I made contributions to the abstract.

1. Armitano-Lago, C., **Reiche, ET**., Ricca, B., Willoughby, D., Kiefer, A. W. (2025). Topological approach to profiling on-court maladaptive gait dynamics following anterior cruciate ligament reconstruction. Annual International Society for Chaos Theory and Psychology in Life Sciences. Colorado Springs, CO, USA. August 2025.
2. Sorboro AA, **Reiche ET**, Kiefer AW. Impact of Anxiety and Depression on Gaze Behaviors in Patients after Anterior Cruciate Ligament Reconstruction. Celebration of Undergraduate Research Symposia. April 2025.
3. Liu M, **Reiche ET**, Kiefer AW. Fixation Duration and Location for Successful and Unsuccessful Single Leg Hop Performance in Individuals after ACL Reconstruction. Celebration of Undergraduate Research Symposia. April 2025.
4. **Reiche ET**, Willoughby DE, Armitano-Lago C. Relationship Between Single Leg Hop Distance And Psychological Readiness During A Neurocognitive Task Following ACL Reconstruction. Accepted for Poster Presentation at the 2025 American College of Sports Medicine Annual Meeting. Atlanta, GA.
5. Weaver A, Thompson XD, **ARROW**, Kuenze C. Isokinetic Knee Strength and Patient Reported Outcome Measures Differ Between ACL Reconstruction Graft Types in Adolescents: A Multi-Center Study by the ARROW Group. Accepted for Poster Presentation at the 2025 Pediatric Research in Sport Medicine Annual Meeting. Columbus, OH.
6. Walaszek MC, **ARROW**, Kuenze C. Characteristics of Adolescent and Young Adults with Anterior Cruciate Ligament Reconstruction Based on Childhood Opportunity Index. Accepted for Poster Presentation at the 2025 Pediatric Research in Sport Medicine Annual Meeting. Columbus, OH.
7. Butler L, Ulman S, Roman D, Walker C, Douthit T, Kuenze C, **ARROW**, Baez S. The Relationship Between Physical Activity Level and Psychological Readiness to Return to Sport after Anterior Cruciate Ligament Reconstruction. Accepted for Poster Presentation at the 2025 Pediatric Research in Sport Medicine Annual Meeting. Columbus, OH.
8. Butler L, Ulman S, Roman D, Walker C, Douthit T, Kuenze C, **ARROW**, Baez S. The Relationship Between Psychological Readiness to Return to Sport and Kinesiophobia in Adolescent and Young Adult Athletes after Anterior Cruciate Ligament Reconstruction. Accepted for Poster Presentation at the 2025 Pediatric Research in Sport Medicine Annual Meeting. Columbus, OH.
9. Kuenze C, Walaszek MC, **ARROW**, Baez S. Childhood Opportunity Does Not Influence ACL-RSI Scores Across the First Year After ACL Reconstruction: An ARROW Study. Accepted for Podium Presentation at the 2025 Pediatric Research in Sport Medicine Annual Meeting. Columbus, OH.
10. Roman DP, Ulman S, Butler L, Walker C, Douthit T, Kuenze C, **ARROW**, Baez S. Age and Sex Differences in ACL-RSI Subscale Scores of Emotion, Risk-Appraisal, and Confidence after ACL Reconstruction. Accepted for Poster Presentation at the 2025 Pediatric Research in Sport Medicine Annual Meeting. Columbus, OH.
11. Butler L, Ulman S, Roman D, Walker C, Douthit T, Kuenze C, **ARROW**, Baez S. Physical Activity Predicts Psychological Readiness to Return to Sport After Anterior Cruciate Ligament Reconstruction. Accepted for Poster Presentation at the 2025 APT Combined Sections Meeting. Houston, TX.
12. Roman DP, Ulman S, Butler L, Walker C, Douthit T, Kuenze C, **ARROW**, Baez S. Age and Sex Differences in ACL-RSI Subscale Scores of Emotion, Risk-Appraisal and Confidence after ACLR. Accepted for Poster Presentation at the 2025 APT Combined Sections Meeting. Houston, TX.
13. Weaver AP. Thompson X, **ARROW**, Kuenze C. Isokinetic Knee Strength and Patient Reported Outcomes Differ between ACL Reconstruction Graft Types in Adolescents. Accepted for Platform Presentation at the 2025 APT Combined Sections Meeting. Houston, TX.
14. Butler L, Ulman S, Roman D, Walker C, Douthit T, Kuenze C, **ARROW**, Baez S. The Relationship Between Psychological Readiness to Return to Sport and Kinesiophobia in Adolescents and Young Adults after Anterior Cruciate Ligament Reconstruction. Accepted for Poster Presentation at the 2025 APT Combined Sections Meeting. Houston, TX.
15. Abbey-Bada M, **Reiche ET**, Baez SE. Application of Theory for Patients Returning from ACLR: An Integrated Approach to Stress and Injury and Attention Control using the Default Mode Network. Accepted at the Association for Applied Sport Psychology Annual Conference. Las Vegas, NV. October 2024.
16. **Reiche ET**, Genoese FM, Coffman CA, Pontifex MA, Baez SE. Self-Reported Knee Symptoms Influence Emotional Responses Post-ACL Reconstruction. National Athletic Trainers’ Association Clinical Symposia. New Orleans, LA. June 2024.
17. Genoese FM, **Reiche ET**, Harkey MS, Baez SE. Constructs of pain catastrophizing are associated with knee pain severity in individuals with ACL reconstruction. Accepted as podium presentation at the National Athletic Trainers’ Association Clinical Symposia. New Orleans, LA. June 2024.
18. **Reiche ET**, Genoese FM, Brinkman CA, Baez SE. Multiple Object Tracking and Knee Symptoms in Healthy Controls and Individuals With ACL Reconstruction. American College of Sports Medicine Annual Meeting. Boston, MA. May 2024.
19. Baez SE, **Reiche ET**, Genoese FM. No Sex Differences in Kinesiophobia in Individuals with a History of ACL Reconstruction. American College of Sports Medicine Annual Meeting. Boston, MA. May 2024.
20. Wade Z, **Reiche ET**, Brinkman C, Baez SE. No Relationship Between Single Leg Hop Performance and Changes in Activity Level Following ACL Reconstruction. UNC Chapel Hill Celebration of Undergraduate Research. April 2024.
21. Laws M, Brinkman CA, **Reiche ET**, Baez SE. Virtual Reality Mindfulness Meditation to Improve Patient-Reported Outcomes Following Anterior Cruciate Ligament Reconstruction: A Case Report. UNC Chapel Hill Celebration of Undergraduate Research. April 2024.
22. Bright J, **Reiche ET**, Brinkman CA, Baez SE. No Difference in Kinesiophobia in Individuals with Contact or Non-Contact Mechanisms of ACL Injury. UNC Chapel Hill Celebration of Undergraduate Research. April 2024.
23. Walaszek MC, Collins K, Genoese F, **Reiche E**, Baez S, Harkey M, Kuenze C. Vertical Ground Reaction Force Symmetry during a Drop Vertical Jump Task is Associated with Patient-Reported Function after Anterior Cruciate Ligament Reconstruction. Accepted as poster at the 2023 American Society of Biomechanics Annual Meeting. August 2023.
24. Baez SE, **Reiche ET**, Genoese FM. Simple reaction time is associated with self-reported knee function in individuals after anterior cruciate ligament reconstruction. National Athletic Trainers Association 2023 Clinical Symposia & AT Expo. June 2023. Indianapolis, IN.
25. **Reiche ET**, Genoese FM, Collins KA, Walaszek MC, Harkey MS, Kuenze C, Baez SE. Kinesiophobia is associated with lower extremity perceptual-motor function after ACL reconstruction. National Athletic Trainers Association 2023 Clinical Symposia & AT Expo. June 2023. Indianapolis, IN.
26. Brinkman CA, **Reiche ET**, Genoese FM, Hoch JM, Baez SE. No association between injury-related fear and isokinetic quadriceps strength in individuals with a history of anterior cruciate ligament reconstruction. National Athletic Trainers Association 2023 Clinical Symposia & AT Expo. June 2023. Indianapolis, IN.
27. **Reiche ET**, Chandler MC, Coffman CA, Pontifex MB, Baez SE. No difference in emotional response between threatening sport and non-sport images in individuals following ACL reconstruction. Accepted as Rapid-Fire Platform Presentation at American College of Sports Medicine 69th Annual Meeting. May 2023.
28. Genoese FM, **Reiche ET**, Harkey MS, Baez SE. No differences in lower extremity visuomotor reaction time between individuals with and without ACL reconstruction. Accepted as poster presentation at the American College of Sports Medicine 69th Annual Meeting. May 2023.
29. Baez SE, Genoese FM, **Reiche ET**, Brinkman CA, Pietrosimone B. Differences in physical activity between individuals with high and low kinesiophobia after ACL reconstruction. Accepted as poster presentation at the American College of Sports Medicine 69th Annual Meeting. May 2023.
30. Onuoha C, **Reiche ET**, Brinkman CA, Baez SE. Higher Peak Isokinetic Knee Flexion Torque is Associated with Higher Kinesiophobia post-Anterior Cruciate Ligament Reconstruction. UNC Chapel Hill Celebration of Undergraduate Research. April 2023.
31. Wade Z, Brinkman CA, **Reiche ET**, Baez SE. Higher Confidence is Associated with Higher Peak Isometric Extension Torque in Individuals with a History of Anterior Cruciate Ligament Reconstruction. UNC Chapel Hill Celebration of Undergraduate Research. April 2023.
32. Laws M, **Reiche ET**, Brinkman CA, Baez SE. The Relationship Between Upper Extremity Perceptual-Motor Function and Time Since Surgery in Individuals After Anterior Cruciate Ligament Reconstruction. UNC Chapel Hill Celebration of Undergraduate Research. April 2023.
33. **Reiche ET**, Genoese FM, Harkey MS, Collins K, Walaszek M, Triplett A, Kuenze CM, Baez. No differences in lower extremity visuomotor reaction time between patients with contact and non-contact ACL injuries. National Athletic Trainers Association 2022 Clinical Symposia. June 2022. Philadelphia, PA
34. Kuenze C, Collins K, Walaszek MC, Genoese F, **Reiche ET**, Triplett AN, Harkey MS, Wilcox CL, Schorfhaar A, Shingles M, Joseph S, Baez SE. Adolescents and adults experience different psychological response to injury five months after ACL reconstruction. National Athletic Trainers Association 2022 Clinical Symposia. June 2022. Philadelphia, PA
35. Kuenze C, Collins K, Hart JM, Grindstaff TL, Baez SE, Walaszek M, Triplett AN, Lisee C, Birchmeier T, Genoese F, **Reiche ET**, Harkey MS. Adults are more likely than adolescents to report early knee OA symptoms 6 months after anterior cruciate ligament reconstruction. Osteoarthritis Research Society International World Congress on Osteoarthritis. April 2022.
36. Harkey MS, Baez SE, Genoese FM, **Reiche ET**, Collins K, Walaszek M, Triplett A, Wilcox CL, Schorfhaar A, Shingles M, Joseph S, Kuenze C. Longitudinal change in the prevalence of early knee osteoarthritis symptoms across various time-periods after anterior cruciate ligament reconstruction. Osteoarthritis Research Society International World Congress on Osteoarthritis. April 2022.
37. **Reiche ET**, Collins KA, Genoese FM, Walaszek MC, Triplett AN, Harkey MS, Kuenze CM, Baez SE. Elevated injury-related fear is associated with greater knee abduction angle during jump-landing in individuals with ACL reconstruction. ACL Research Retreat IX: The Pediatric Athlete. March 2022. High Point, NC.

## Manuscripts and abstracts submitted for review

1. **Reiche ET**, Shick MC, DelBiondo GM, Baez SE, Spang JT. Kinesiophobia in Patients with a History of ACL Reconstruction: A Clinical Review. Submitted to Sports Medicine. August 2024.
2. Baez SE, Brinkman CA, **Reiche ET**, Genoese FM, Spang JT, Jochimsen K. Difference in Daily Steps between Individuals with High and Low Kinesiophobia after ACL Reconstruction. Submitted to Clinical Journal of Sports Medicine, June 2024.
3. Baez SE, **Reiche ET**, Genoese FM, Collins KA, Walaszek MC, Triplett A, Harkey M, Kuenze C. Adults Experience Worse Psychological Readiness but Not Worse Injury-Related Fear when Compared to Adolescents with ACL Reconstruction. Submitted to Physical Therapy in Sport, June 2024.
4. Weaver A, Roman D, Kuenze C, **ARROW**, Thompson X. Isokinetic Knee Strength and Patient Reported Outcome Measures Differ between Graft Types in Adolescents with ACL Reconstruction: A Multi-Center Study. Submitted to Orthopedic Journal of Sports Medicine, September 2024.
5. Baez SE, Brinkman C, **Reiche ET**, Genoese F, Spang J, Jochimsen KN. Differences In Daily Steps Between Individuals with High and Low Kinesiophobia After ACL Reconstruction. Submitted to Clinical Journal of Sports Medicine. February 2024.
6. Genoese FM, **Reiche ET**, Harkey MS, Baez SE. No relationship between upper and lower extremity visuomotor reaction time in individuals with anterior cruciate ligament reconstruction. Submitted to Perceptual and Motor Skills. January 2023.

## Other media contributions

1. [Perceptual-Motor Function](https://eocampaign1.com/web-version?p=e4dbb51e-2c43-11f0-ae89-977c65ea0389&pt=campaign&t=1748897238&s=98bdf88cf085762cf1e216ae2c9b36b208257c676a0a79a8befdd0d0988c64f0), NATA Foundation Research to Clinical Practice. Primary Contributor, reviewed by NATA Foundation Educational Resources Committee and NATA Foundation Board. June 2025.
2. [ACL and Return to Play](https://www.natafoundation.org/wp-content/uploads/Feb-2024-RTCP_ACL-Return-to-Play.pdf), NATA Foundation Research to Clinical Practice. Primary Contributor, reviewed by NATA Foundation Educational Resources Committee and NATA Foundation Board. February 2024.
3. [Transgender Patient Care](https://www.natafoundation.org/wp-content/uploads/June-RTCP.pdf), NATA Foundation Research to Clinical Practice. Primary Contributor, reviewed by NATA Foundation Educational Resources Committee and NATA Foundation Board. June 2023.
4. [The ACL Injury Puzzle: Rethinking Athlete-Centered Care](https://simplifaster.com/articles/acl-injury-athlete-centered-care/), SimpliFaster Blog, reviewed by Rachel MacAulay (Editor) and Nathan Huffstutter (Managing Editor). October 2023.
5. [Sudden Cardiac Arrest](https://www.natafoundation.org/wp-content/uploads/RTCP-SCA_Feb23.pdf), NATA Foundation Research to Clinical Practice. Primary Contributor, reviewed by NATA Foundation Educational Resources Committee and NATA Foundation Board. February 2023.

## Manuscripts and abstracts in preparation

1. Bulter L, Martinex A, Wright M, Roman D, Kuenze C, **ARROW**, Ulman S. Association Between BMI Change and Patient-Reported Outcomes After ACL Reconstruction.
2. Cherelstein RE, Kuenze CM, DeFronda SF, **ARROW**, Chang ES. Quadriceps versus Bone-Patellar Tendon-Bone Autograft Outcomes in Young Patients: an ARROW Study.
3. **Reiche ET,** Nelson B, Diekfuss J. Evaluating the Psychometric properties of the ACL-RSI and TSK-11 in Individuals after ACL Reconstruction.
4. **Reiche ET**, Coffman CA, Genoese FM, Pontifex MA. Understanding Emotional Responses in Individuals after Anterior Cruciate Ligament Reconstruction: An EEG Paradigm Validation Study.
5. **Reiche ET**, Kiefer A. Cognitive-Affective-Motor Theory Paper and Conceptual Model.
6. Butler L, Baez S, Walker C, Roman D, Douthit T, Kuenze C, **ARROW**, Ulman S. The Relationship Between Psychological Readiness to Return to Sport and Kinesiophobia in Teens and Young Adults After Anterior Cruciate Ligament Reconstruction.
7. Roman D, Ulman S, Butler L, Walker C, Douthit T, Kuenze C, **ARROW**, Baez S. Age and Sex Differences in ACL-RSI Subscale Scores of Emotions, Risk-Appraisal, and Confidence after ACL Reconstruction. Submitting to AJSM.
8. Butler L, Baez S, Walker C, Roman D, Douthit T, Kuenze C, **ARROW**, Ulman S. Physical Activity and Psychological Readiness to Return to Sport After Anterior Cruciate Ligament Reconstruction.

# Professional Presentations

## Peer-reviewed Presentations

1. **Reiche ET**\*, Wender C\*, Gao Z, Janszen E. Exercising in Mixed Reality: Research, Clinical, and Industry Perspectives. Accepted Symposia at American College of Sports Medicine. May 2024.
2. **Reiche ET** and Genoese FM. Think Fast! Incorporating Perceptual-Motor Functioning into Rehabilitation After ACL Reconstruction. Accepted as Learning Lab, National Athletic Trainers Association (NATA) 74th Clinical Symposia AT Expo. June 2023. Indianapolis, IN.

## Guest Lecturer

1. Cognitive, Affective, Motor Considerations after Injury. Enhancing Performance and Wellness (KINES 670). Department of Kinesiology, University of Wisconsin Madison. (Fall 2024).
2. Psychology of Sport Injury. Sport and Exercise Psychology (EXSS 181). Department of Exercise and Sport Science, UNC Chapel Hill (Spring 2024).
3. Motor Learning, Biopsychosocial Aspects of Sport Injury (EXSS 581). Department of Exercise and Sport Science, UNC Chapel Hill (Spring 2024).
4. Secondary Assessment in Emergency Care. Emergency Care of Athletic Injuries and Illnesses (EXSS 288). Department of Exercise and Sport Science, UNC Chapel Hill (Summer I 2023).
5. Psychology of Sport Injury. Sport and Exercise Psychology (EXSS 181). Department of Exercise and Sport Science, UNC Chapel Hill (Spring 2023).
6. Fitness and Injury Prevention. Fundamentals of Sports Medicine (EXSS 265). Department of Exercise and Sport Science, UNC Chapel Hill (Spring 2023).
7. LGBTQ Care in Athletic Training. General Medical Conditions for Athletic Trainers (KIN 838). Department of Kinesiology, Michigan State University (Spring 2022).

# Funding

## funded Awards

1. Athletic Trainers' Osteoarthritis Consortium (ATOAC) Annual Meeting Student Travel Award. $200. April 2024.
2. NATA Research and Education Foundation: “Biopsychosocial Assessments of Kinesiophobia and Functional Outcomes Post-ACL Reconstruction,” $2,500. February 2024.
3. Principal Investigator, Mid Atlantic Athletic Trainers Association III Research and Grant Award Program: “Examination of perceptual functioning in patients post-ACL reconstruction,” $600.00. September 2022.
4. Student Recipient, Michigan State University, Kinesiology Graduate Student Travel Fund, Presenting “No differences in lower extremity visuomotor reaction time between patients with contact and non-contact ACL injuries,” $400. March 2022.
5. Equity Fellow, Michigan State University, College of Education: Event Series for Kinesiology Graduate Students, Faculty and Staff. Topics included disability and sport/physical activity, gender and sexuality, and underrepresentation of racial and ethnic groups. The purpose of this panel was for the committee to enact changes in classrooms, research and other realms of personal and professional life. $2,000. January 2022.

## In progress/pending Grants and awards

1. Joint coordination and kinematic features in individuals after ACL Reconstruction.

## Unfunded Awards

1. June C Allcott Fellowship. The University of North Carolina at Chapel Hill School of Medicine Department of Health Sciences. June 2024.
2. Charles M. Tipton Student Research Award through the American College of Sports Medicine. “Multiple Object Tracking and Knee Symptoms in Healthy Controls and Individuals with ACLR." $2,335. April 2024.
3. American Society of Neurorehabilitation Diversity Travel Fellowship Program. $3,000. February 2024.
4. Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship to Promote Diversity in Health-Related Research (Parent F31-Diversity) Resubmission: “Predicting Clinical Outcomes Using Psychophysiological Assessments after ACL Reconstruction,” $85,113. December 2023.
5. Philanthropic Education Organization (P.E.O.) Scholar Award. $20,000. October 2023.
6. Principal Investigator, De Luca Foundation Rethink EMG Challenge: “Relationship between fear response, lower extremity reaction time, and muscle inhibition after anterior cruciate ligament reconstruction,” $30,000. November 2021

# Teaching Experience

## Instructor of Record

Spring 2025 UNC, EXSS 275L: Human Anatomy Laboratory (2 Sections)

Fall 2024 UNC, EXSS 275L: Human Anatomy Laboratory (2 Sections)

Summer 2024 UNC, EXSS 275L: Human Anatomy Laboratory

Fall 2023 UNC, EXSS 275L: Human Anatomy Laboratory

Summer 2023 UNC, EXSS 275L: Human Anatomy Laboratory

Spring 2023 UNC, EXSS 275L: Human Anatomy Laboratory

Spring 2022 MSU, KIN 127: Taping and Bracing in Athletic Injury

Fall 2021 MSU, KIN 125: First Aid and Personal Safety

Fall 2019 Tennessee State University, HPSS 3190: Adult Fitness

## Graduate teaching assistant

Spring 2025 UNC, IDST 125: The Art and Science of Expertise

Fall 2022 UNC, EXSS 181: Exercise and Sport Psychology

Spring 2022 MSU, KIN 837: Upper Body Therapeutic Interventions

# Mentorship

Spring 2024 – Present Mia Liu, UNC, Undergraduate in Exercise and Sport Science

Spring 2024 – Present Allyson Sorboro, Undergraduate in Exercise and Sport Science

Fall 2024 – Present Wyatt Lefer, UNC, Undergraduate in Exercise and Sport Science

Spring 2023 – Present Rebekah Siekierski, UNC, Undergraduate in Human Development

Fall 2022 – Present Chiebuka Onuoha, UNC, Undergraduate in Neuroscience

Spring 2024 – Fall 2024 Heidi Lane, UNC, Undergraduate in Exercise and Sport Science

Spring 2023 – Fall 2024 Mia Laws, Undergraduate in Exercise and Sport Science

Spring 2023 – Sp. 2024 Sarah Axtell, UNC, Undergraduate, Honors Thesis Committee

Fall 2022 – Fall 2024 Zoe Wade, UNC, Undergraduate in Exercise and Sport Science

Fall 2022 – Spring 2024 T’era Brown, UNC, MS in Athletic Training, Thesis Committee

Fall 2021 – Spring 2022 Kayla Ford, Michigan State University, MS in Sport Psychology

Fall 2021 – Spring 2022 Kevin Lam, Michigan State University, MS in Athletic Training

# Service

## Manuscript Journal Reviewer

June 2024 – Present Sport Health

June 2023 – Present Journal of Orthopaedic Research

May 2023 – Present International Journal of Athletic Therapy and Training

Feb. 2023 – Present Journal of Athletic Training

Dec. 2021 – Present Measurement in Physical Education and Exercise Science

May 2022 – Present Journal of Sports Rehabilitation

## Convention Program Reviewer

2023 – Present Southeast American College of Sports Medicine Convention

2022 – Present National Athletic Trainers’ Association Annual Meeting

## Graduate student organzations

Sp. 2024 – Present Graduate and Professional Student Government (GPSG) Vice President of Advocacy and Governmental Affairs

*Roles*: Co-Chair Student Advisory Committee to the Chancellor, Chair Graduate and Professional Student Advisory Committee to the Dean of the College of Arts and Sciences, Chair Graduate and Professional Student Advisory Committee to the Provost, Faculty Council Liaison

Sp. 2023 – Sp. 2024 GPSG Director of Advocacy

*Roles*: Carolina Women’s Center Board, Digital Accessibility Liaison, Graduate Student Bill of Rights Author

Fall 2022 – Sp. 2024 Human Movement Science Culture Committee Student Member

Fall 2022 – Sp. 2023 Human Movement Science Research Symposium Abstract Chair

Fall 2021 – Sp. 2022 MSU Kinesiology Graduate Student Organization (KGSO) Diversity, Equity, and Inclusion Committee Chair

Fall 2021 – Sp. 2022 MSU KGSO Research Development Committee Member

Fall 2021 – Sp. 2022 MSU KGSO Teaching Development Committee Member

## External organizations

July 2020 – Present NATA Foundation Educational Resources Committee

Sp. 2020 – 2021 Rocky Mountain Athletic Trainers Association Core Values Working Group

Fall 2018 – 2019 Southeast Athletic Trainer’s Association LGBTQ Advisory Committee

# Memberships

2022 – Present Mid-Atlantic Athletic Trainers’ Association (MAATA)

2019 – Present National Strength and Conditioning Association (NSCA) Member (ID: 001061242)

2019 – Present NSCA Certified Strength and Conditioning Specialist (Board Certification #: 7248246073)

2016 – Present Certified Athletic Trainer (Board Certification #: 2000024541)

2016 – Present American Red Cross CPR/AED for the Professional Rescuer

2013 – Present National Athletic Training Association (NATA)

2021 – 2024 American Red Cross First Aid/CPR/AED Instructor

Fall 2018 – 2020 NATA Leadership Development Academy

Spring 2014 Alpha Chi Honor Society

Fall 2013 – 2016 International Dean’s List Society

# Honors and Awards

2025 Dean’s Distinguished Dissertation Award Nominee

2022 Equity Fellow, Michigan State University, College of Education

June 2022 National Athletic Trainers’ Association Foundation Scholarship

Fall 2021 Michigan State University Distinguished Fellowship Nominee

2016 – 2018 Kenny Howard Athletic Training Graduate Student Fellowship

2015 – 2016 Texas Health Ben Hogan Sports Medicine Scholarship

2013 – 2016 Texas State University Dean’s List

2013 – 2016 Texas State Athletic Training Scholarship

2012 – 2016 Texas State Achievement Scholarship

2012 Salutatorian, San Marcos High School, Texas