

## Curriculum Vitae

# Mark A. Merrick, PhD, AT, ATC, FNATA, FNAP

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## Education

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### *Doctor of Philosophy, The University of Toledo, 1997*

Health & Physical Educ. (Exercise Physiology) with Minors in Human Anatomy and Research Design/Statistics

Dissertation: *A Biochemical Exploration of the Magnitude of Secondary Injury in Skeletal Muscle*

### *Master of Arts, Indiana State University, 1992*

Athletic Training (post-professional master's degree program)

Thesis: *Effects of Ice and Compression on Intramuscular Temperatures at Various Depths*

### *Bachelor of Education, The University of Toledo, 1991*

Exercise Science with specialization in Athletic Training (NATA approved curriculum)

## Certifications & Licenses

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*Certified Athletic Trainer (ATC®), Board of Certification for the Athletic Trainer. (Certification# 119202524)*

*Licensed Athletic Trainer, State of Ohio (License# AT000933)*

*NPPES National Provider Identifier (NPI# 1194162305)*

## Professional Experience

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### *Dean and Professor*

#### **College of Health and Human Services**

**THE UNIVERSITY OF TOLEDO, Toledo Ohio**

**2020 – Present**

I serve my alma mater with vision-aligned, people-focused leadership for a college of 3 interdisciplinary departments and 125 faculty with a \$30M budget and enrolling over 1600 students across 37 degree and certificate programs with 16 different accreditors. Our wide-ranging mix of programs shares a common ethos of making a difference for others and ranges from patient care programs such as athletic training, physical and occupational therapy, speech-language pathology, and respiratory care, to criminal justice and paralegal, to school psychology and counselor education to public health and social work. My college includes programs housed on both the university's main campus and our nearby health sciences campus where my college is part of our academic medical center.

As Dean, I've led our people in overcoming challenges from my first day on the job in summer 2020. We faced a \$2.1M budget reduction, vacancies in 3 of 4 chair positions, budget-related sweeping of 13 open faculty and staff lines, staff furloughs, and implementing our COVID shift to hybrid delivery modes. I rallied our college and together we quickly addressed each of these in to allow for short-term operational viability. Next, I led a faculty-inclusive restructuring of the college to its current 3-department form and worked to transform our culture through championing our vision, communicating frequently and transparently, and fostering shared problem solving. Like many universities, we are engaged in budget restructuring, comprehensive program prioritization and organizational transformation. I've partnered with our faculty on a data-informed transformation of our program portfolio to reflect the changing environment in higher education. We shuttered programs with waning relevance, moved others fully-online to capitalize on opportunity, and simultaneously launched a carefully crafted Health Sciences major to meet the demand for pre-health professions students. I am now leading the college through updating its strategic plan, creating its first patterns of administration manual, and developing a unified faculty workload document that included 4-rounds

of faculty feedback and revision. I'm also leading our college through implementation of a hybrid incentive-based-budgeting/RCM approach. I've worked to grow scholarship and extramural funding in the college including facilitating creation of a new multi-college Health Equity Research Center. I currently lead our university's multi-college \$2.1M Great Minds Fellowship grant and I am Toledo's lead in a partnership with Bowling Green State University to pursue and additional \$2M multi-institution grant for Behavioral Health Workforce Development (pending).

I work with university advancement on innovative fund-raising to support specific needs of our programs. Following multiple years without a development officer, I've worked to personally rebuild relationships with alumni and donors and engage our programs in friend-raising and identifying partnership opportunities. We are seeing results ranging from successful, small-scale, crowd-sourced campaigns to creation of endowed scholarships, to a soon-to-be-unveiled naming-level gift for a teaching lab that came from a previously disaffected donor. I actively work with our programs to help them understand the 'life cycle' of a donor and to build enduring relationships with stakeholders who give their time, talent, treasure, and connections to benefit our students, faculty, and community.

While I am experienced and effective in tackling thorny issues, my passion lies in inspiring a vision and fostering a culture of transparency, trust, and inclusive decision making. I love helping our people find and embrace their "Why". I understand that our college's success and my success as a leader is defined by the success of our people. Beyond the confines of my own college, I am committed to innovative and effective cross-college collaborations. I partner closely with the Deans of Medicine, Nursing, and Pharmacy on initiatives including a robust interprofessional educational program; with the Dean of Education on a college-experience program for individuals on the autism spectrum; and with the Dean of Natural Science and Mathematics on a data science program and potential creation of a joint forensic science major. I was also deeply involved in crafting the university's new 2023 Strategic Plan, including chairing the creation of its mission, vision, and values.

### *Founding Director & Associate Professor with Tenure*

#### **Athletic Training Division, School of Health & Rehabilitation Sciences, College of Medicine**

#### **THE OHIO STATE UNIVERSITY, Columbus Ohio**

**2000-2020** (Assistant Professor (2000-06), Associate Professor with Tenure (2006-2020))

I was recruited and served for 20 years as the Founding Director of Ohio State University's newly created Athletic Training Division, one of the first in the nation to be housed in a College of Medicine. As the sole faculty member in the first year of the program, I designed and implemented Ohio State's initial Bachelor of Science in Athletic Training program by building and maintaining invested relationships with multiple, diverse, and strongly entrenched stakeholders across the university and within the community. Under my leadership, the division grew to include 15 members and its BSAT degree program became a national leader. I was responsible for vision, leadership, planning, staffing, scheduling, curriculum, budget, facilities, development/fund raising, recruitment, outreach, and engagement. I led the division through the transition from Academic Quarters to Academic Semesters (2010- 2012) as well as through initial accreditation (2003) and continuing re-accreditations (2008, 2018). Our 2018 re-accreditation report had no non-compliance citations and the program's success included a ten-year first attempt pass rate on the national board exam of 99% with over 200 students passing on their first attempt over that span, the most in the country. In 2019, I created an international student exchange program with the University of Camilo José Cela in Madrid Spain, making Ohio State one of the first AT programs to have a global outreach. Beyond the AT Division, I was instrumental in creating the school's first Doctoral Program, helped lead efforts to create and implement the school's interprofessional education program, helped lead unification of individual program handbooks into a consolidated school-wide student handbook with updated and strengthened policies, and designed a core curriculum for all students in the School of HRS based on IOM, IPEC, and ACGME core competencies for healthcare providers.

### *Graduate Program Director & Assistant Professor*

#### **Athletic Training Department, School of Health & Human Performance**

#### **INDIANA STATE UNIVERSITY, Terre Haute Indiana**

**1999-2000**

In my second year at Indiana State, I was asked to assume leadership of the NATA Approved graduate athletic training program. I re-structured the clinical experiences and updated the graduate curriculum and content. I also continued to coordinate student recruitment and oversaw numerous graduate research projects and where several students won national research presentation awards. I also held dual appointment in the Dept. of Life Sciences.

### *Undergraduate Program Director & Assistant Professor*

**Athletic Training Department, School of Health & Human Performance  
INDIANA STATE UNIVERSITY, Terre Haute Indiana  
1998-1999**

I was recruited to become the Program Director of CAAHEP accredited undergraduate athletic training program. I re-designed the entry-level curriculum to reflect the changes in the 2000 JRC-AT standards & guidelines. I taught and advised students in both the Undergraduate and Graduate AT curricula, coordinated student recruitment, served on departmental, school, and university committees, and as the Faculty Advisor of the Student Athletic Trainers' Association. I also was a Program Consultant for other universities seeking CAAHEP Accreditation.

### *Assistant Professor*

**Office of Health, Physical Education, and Sport Studies  
XAVIER UNIVERSITY, Cincinnati Ohio  
1997-1998**

In my first faculty appointment, I served as the director of the Human Performance Laboratory in addition to teaching courses in the athletic training and general departmental curricula and advising students. I wrote significant sections of the program's initial CAAHEP accreditation self-study, created a set of clinical practica assessing students' clinical skill development, served as recruiting coordinator for the Athletic Training program, and developed the internet Websites for the department and the athletic training curriculum. I also served as exercise physiology consultant to Xavier intercollegiate athletics program.

### *Doctoral Graduate Teaching Assistant*

**Department of Health Promotion and Human Performance  
THE UNIVERSITY OF TOLEDO, Toledo Ohio  
1994-1997**

My assistantship was to serve as the assistant to the curriculum director in administering the accredited undergraduate athletic training program under both CAHEA and then CAAHEP accreditation. I assisted in creating the CAAHEP accreditation self-study and planning of the accreditation site-visit for the undergraduate Athletic Training program. I also directed the modular-format clinical competencies assessment program for athletic training students, taught full courses in the athletic training and general departmental curricula, and created the Athletic Training program's first-ever internet Website.

### *Certified Athletic Trainer*

**Professional Sports Care Inc., Brookfield Connecticut  
1992-1994**

I was an Athletic Trainer seeing patients in the clinic in the morning and providing Athletic Training services to contracted high schools in the afternoon/evening including a large suburban high school (Newtown High School) and later at a private preparatory boarding school (The Canterbury School). I also served as the Director of clinical employee training for the Brookfield office of this chain of clinics and coordinator of isokinetic testing for the five offices in the greater Danbury area. I conducted numerous seminars on isokinetic patient testing and interpretation for PSC employees, authored employee training manual and isokinetic testing manual.

### *Graduate Research & Teaching Assistant*

**Department of Physical Education, School of Health Promotion and Human Performance  
INDIANA STATE UNIVERSITY, Terre Haute Indiana  
1991-1992**

Graduate research assistant in the Sports Injury Research Laboratory and the Athletic Training program and Physical Education department. I collected data, assisted with data analysis for faculty research projects on cryotherapy and isokinetics, and assisted graduate students with research equipment and methods for their projects. I also wrote computer programs for laboratory tasks and assisted with clinical skills laboratories for athletic training courses.

## *Teaching & Mentoring*

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*Full University Courses Taught (excludes guest lectures, independent studies, thesis, and dissertation research)*

### **The University of Toledo (during current appointment as Professor & Dean)**

- ATTR 6730 - Optimization of Performance and Wellness (in Athletic Training)
- EXSC 2560 – Human Anatomy & Physiology 1
- EXSC 2580 – Human Pathophysiology for Health Care
- EXSC 3200 – Advanced Human Anatomy (undergraduate cadaver dissection)
- EXSC 3650 – Foundations of Sports Medicine
- EXSC 6720 – Advanced Clinical Anatomy (graduate cadaver dissection)

### **The Ohio State University (Assistant Professor 2000 – 2006, Associate Professor 2006 - 2020)**

- ATH TRNG 303 – Basic Athletic Training
- ATH TRNG 350 – Managing Risks, Emergencies & Patient Care in the Pre-Season (Developed as a new course)
- ATH TRNG 430 – Experience in Athletic Training I
- ATH TRNG 540 – Care of Medical Emergencies, Trauma, and Disease (Developed as a new course)
- ATH TRNG 550 – Athletic Training Biomechanics (Developed as a new course)
- ATH TRNG 610 – Therapeutic Modalities (Developed as a new course)
- ATH TRNG 620 – Pathophysiology & Pharmacology (Developed as a new course)
- ATH TRNG 631 – Experience in Athletic Training VIII: General Medical (Developed as a new course)
- ATH TRNG 661 – Survey of Sports Medicine (Developed as a new course)
- ATH TRNG 2000 – Basic Athletic Training
- ATH TRNG 2200 – Foundations of Athletic Training Diagnosis (Developed as a new course)
- ATH TRNG 3089 – Managing Risks, Emergencies, & Patient Care in the Preseason (Developed as a new course)
- ATHTRNG 3100 – Athletic Training Skills Assessment II: Upper Extremity (Developed as a new course)
- ATH TRNG 3110 – Athletic Training Skills Assessment III: General Medical (Developed as a new course)
- ATH TRNG 3500 – Athletic Training Therapeutic Modalities (Developed as a new course)
- ATH TRNG 3800 - Care of Medical Emergencies, Trauma, and Disease (Developed as a new course)
- Allied Medicine 890 – PhD Advanced Topics Seminar: Injury, Inflammation, Repair & Regeneration (Developed as a new course)
- Allied Medicine 890 – PhD Advanced Topics Seminar: Skeletal Muscle Development & Plasticity (Developed as a new course)
- Allied Medicine 895.01 – PhD Research Seminar: Journal Writing, Publishing, & Reviewing (Developed as a new course)
- Allied Medicine 895.01 – PhD Research Seminar: Human and Animal Subjects Protections in Research (Developed as a new course)
- Allied Medicine 890 – PhD Advanced Topics Seminar: Therapeutic Modalities (Developed as a new course)
- HTHRHSC 5550 – Survey of Sports Medicine (Developed as a new course)

### **Indiana State University (Assistant Professor)**

- ATTR 675 - Graduate Therapeutic Modalities
- ATTR 472 - Therapeutic Modalities
- ATTR 459 - Athletic Training Internship
- ATTR 385 - Foundations of Conditioning

- ATTR 363 - Lower Extremity Injury Evaluation
- ATTR 210 – Foundations of Analysis of Human Movement

#### **Xavier University (Assistant Professor)**

- EDAT 492 - Senior Seminar in Athletic Training
- EDPE 386 / 387 - Clinical Kinesiology and lab
- EDHE 375 - Nutrition for Sport
- EDAT 350 - Athletic Training Practicum III
- EDAT 342 - Therapeutic Modalities & Rehabilitation
- EDAT 323 - Recognition & Evaluation of Athletic Injuries
- EDPE 267 - Physiology of Exercise
- EDAT 250 - Athletic Training Practicum II

#### **The University of Toledo (Doctoral Graduate Assistant)**

- PED 492 - Practicum in Athletic Training
- PED 467 - Rehabilitation for Athletic Trainers (Developed as a new course)
- PED 459 - Therapeutic Modalities for Athletic Trainers
- PED 352L - Applied Exercise Physiology Lab
- PED 255 - Fundamentals of Athletic Training
- PED 252L - Anatomy & Physiology II Lab
- PED 251 - Human Anatomy (lecture & lab)
- PED 111 - Introduction to Clinical Athletic Training

#### ***Undergraduate Honors Thesis Committees***

##### **Chairperson / Advisor**

1. Pullins, T (2021-2023). Developing a resources toolkit for first-generation student success.
2. Boes L (2019-2020). Exploring the impact of evacuating air from ice bags on tissue cooling parameters.
3. Hageman J (2005-2006). The role of elevation in retarding edema formation with acute ankle sprains.
4. Seamon C. (2003 – 2004). A Comparison of Intramuscular Temperature of the Thigh using the Grimm CRYOpress™ and Game Ready™ Injury Treatment System.
5. Siegel R. (2003 – 2004). An examination of the effects of cryotherapy on a functional agility task.
6. Strang A. (2002 – 2003). Capsular temperatures during prophylactic cryotherapy of the glenohumeral joint.
7. Mihalyov M, Roethmeier J. (1998 – 1999). The effects of commercial gel-pads on intramuscular temperature changes during ultrasound

#### ***Masters Theses and Projects***

##### **Chairperson / Advisor**

1. Abrams S (2013 – 2015) Clinical Practice Guideline: Diagnosis and Management of Suprascapular Neuropathy in the Athlete
2. Hite C (2012-13). Graduate Assistant Athletic Trainer On-Boarding and Orientation Process and Materials
3. Nelson D (2012-13) Post-Certification Options in Collegiate Athletic Training: An In-Depth Guide To Gaining A Graduate Assistantship
4. Miehl A (2011-12) Administrative Policies and Procedures for Athletics Department Summer Camps Coordinators
5. Heuer G (2010-2011) Intravenous Hydration Therapy Training for Athletic Trainers
6. Brummett (Daniels) K (2009-2010). Clinical Efficacy of Thermal Ultrasound following Ankle Pathology.

7. Schweim J (2008-2009). Functional screening as a prediction of injury in Division 1 football players.
8. Frank P (2007-2008). Employee Training for Athletics Department Summer Camps.
9. Dunlavy T (2006-2007). The role of Pain During the Inflammatory Response
10. Eugene E (2006-2007). A comparison study between male and female division I athletes assessing identity
11. Ludwig D (2006-2007). Relationship between Spondylolysis and Multifidus Cross Sectional Area
12. Omiatsek G (2006-2007). Glenohumeral internal rotation deficits and total motion changes in patients with impingement pathology in the dominant shoulder.
13. Pester B (2004 – 2005). A comparison of temperature and relative humidity measurements with three different instruments across a single football season.
14. Kopischke C. (2003 – 2004). The validity relative humidity measurements made with a digital psychrometer.
15. Brazier J. (2002 – 2003). Athlete perceptions of efficacy and relative safety provided by hockey helmets.
16. Larva J. (2002 – 2003). A comparison of methods of emergency facemask removal with the new Riddell Revolution football helmet
17. Bernard C. (2001 – 2002). A comparison of different ultrasound devices on IM temperature increases
18. Crumley M, Nowak P. (1999 - 2000). Comparison of ultrasound v. active exercise in improving range of motion
19. Serwa J, Rancourt L. (1999 – 2000). The effects of Flex-Wrap and varying amounts of pressure on skin surface and intramuscular temperature
20. Denisco F, Pickard T, Manzo G. (1998 - 1999). The effect of exercising in a hot environment on power output following short-term creatine supplementation in collegiate football players
21. Fahey S, Smith M. (1998 - 1999). A comparison of hydrocortisone cream to hydrocortisone powder in increasing intramuscular temperature during phonophoresis treatments
22. Shoger M, Nishi Y. (1998 - 1999). The effects of Kinesiotape® on pain and inflammation induced by Delayed Onset Muscle Soreness
23. Stoeve N, Brown S. (1998 - 1999). The relationship of tissue temperature to range of motion change following ultrasound

#### **Committee Member**

1. Gaul S (2010-2011). The Use of Functional Assessment Tests to Predict Injury and Performance in a Cohort of Collegiate Athletes: a Retrospective Analysis
2. Bakshi V (2008-2009). Therapeutic Modality Theory and Physiology
3. Stobierski J. (2005-2006). Intra and Inter instrument Reliability and Validity of Relative Humidity Measurements made with manual and digital hygrometers
4. Robinson L. (2001 – 2002). The effects of aquatic and terrestrial plyometric training on selected indicators of muscle damage.
5. Burns B. (2000 – 2001). Comparison of knowledge and perceptions regarding ergogenic aid use by NCAA Division I Athletic Trainers and Student Athletes.
6. Carollo J. (2000 – 2001). OSHA Standards education and work place injuries in Veterinary Students.
7. Bloomquist C. (1999 – 2000). Trends and use of herbal supplements in an athletic population.
8. Coehlo M. (1999 - 2000). The effect of BackPlaster counter-irritant compress on pain and functional losses associated with delayed onset muscle soreness
9. Dorrough J, Orton K. (1999 - 2000). Decreasing rearfoot velocity: a comparison of prophylactic ankle braces.
10. Fukunaga S. (1999 – 2000). Effects of controlled breathing on hip range of motion change with stretching.
11. Hayes B. (1999-2000). Temperature differences at the same tissue depth using 1MHz vs. 3MHz ultrasound.
12. Heller E. (1999 – 2000). Student athletes' perceptions of care from student vs. certified athletic trainers.
13. Hoppel K, Huck B. (1999 – 2000). The effects of cryostretch and DOMS on H-reflex in the triceps surae.
14. Jamison C. (1999 – 2000). Rewarming effects on intramuscular temperature during active exercise following cryotherapy.

15. Laramée M, De La Garza B, Brooks J. (1999 – 2000). The effects of long-term ankle bracing on strength and H-reflex response of the soleus.
16. Leonard J. (1999 - 2000). Varying ultrasound parameters and their effects on tissue temperature
17. Lin H-H. (1999 - 2000). Comparison of the effects of a hot-pack, ultrasound, and hot-pack combined with ultrasound on stretching of the triceps surae.
18. Livecchi N. (1999 - 2000). Effects of pragmatic and didactic teaching styles on learning success of undergraduate allied health students.
19. Ognibene N. (1999 - 2000). The effect of Breathe-right® nasal strips on oxygen consumption, heart rate, and perceived exertion in subjects with clinically diagnosed nasal obstruction.
20. Otte J. (1999 - 2000). The effect of subcutaneous adipose thickness on the cryotherapy duration required to reach a therapeutic intramuscular temperature.
21. Stone M. (1999 - 2000). The effect of bromalaine, ibuprofen, and chemozyne on recovery from Delayed Onset Muscle Soreness.
22. Tsukahara M. (1999 – 2000). The use of imagery during cryotherapy on pain perception
23. Jutte L. (1998 -1999). Comparison of deep tissue temperature & skin surface temperature during ice application
24. Selseth A, Muir M. (1998 - 1999). An EMG analysis of concentric and eccentric muscle contraction during the lateral step-up exercise.
25. Sweeney K. (1998 - 1999). Therapeutic Magnets do not affect tissue temperature
26. Rizzo C, Anderson M, Glover T. (1997 - 1998). Creatine monohydrate supplementation has no effect on the incidence of skeletal muscle cramping induced through electrically assisted maximal voluntary contractions

### *Doctoral Dissertation Committees*

#### **Chairperson**

1. Martin, K (2011-13) The role of cryotherapy in ameliorating systemic inflammation and delayed onset muscle soreness following eccentric exercise

#### **Committee Member**

1. Dashottar, A (2010 -2012). Identification of measures of humeral retroversion, posterior capsule and posterior muscles of the shoulder joint.
2. Szucs, K (2007-2009). Three-Dimensional Clavicle Motion and Shoulder Kinematics: A Possible Key Link in Subacromial Impingement Syndrome.
3. McBrier NM. (2002 – 2005). Influence of post-injury ultrasound treatments on skeletal muscle satellite cell activation and differentiation.
4. Markert CD. (2002 – 2004). Non-Thermal Ultrasound and Exercise in Skeletal Muscle Regeneration.
5. Wilkin L. (2000 – 2002). Influence of therapeutic ultrasound on skeletal muscle regeneration following blunt contusion.

### *Doctoral Candidacy Committees*

#### **Chairperson**

1. Beauregard, T (2019-20)
2. Martin, K (2011)

#### **Committee Member**

1. Miller, M (2015)
2. Chen, C (2012)
3. Dashottar, A (2009)
4. Szucs, K (2007)
5. McBrier, N (2004)

*Doctor of Physical Therapy Exam Committee*

1. Brinker, R (2012)
2. Kaptein, M (2012)
3. Sheaffer, S (2012)
4. Smith, N (2012)
5. Smith, E (2012)
6. Titus, S (2012)
7. Trabold, L (2012)
8. Whalen, C (2012)
9. Zihlman, W (2012)

*Graduate School Representative for Doctoral Oral Exam in other departments*

1. Coutts, S (2019), Business Administration & Finance
2. Kim, E (2018), Comparative Veterinary Medicine
3. Smith, A (2017), Business Administration
4. Victoron, A (2016), Integrated Biomedical Graduate Program (MD,PhD program)
5. Petrie, C (2014), Nuclear Engineering
6. Smith, B (2013), Linguistics
7. McClory, S (2012). Integrated Biomedical Graduate Program (MD,PhD program)
8. Kumari, V (2011). Pharmacy
9. Koukis, S, (2010). Education: Teaching & Learning
10. Jonghyun, S (2009). Nutritional Biochemistry
11. Hong, T (2008). Chemistry
12. Shaffer, L (2007). Veterinary Preventive Medicine
13. Hurh, E (2005). Pharmacy
14. Subramaniam, S (2005). Biophysics

*Invited Symposium / Plenary Presentations*

1. **Merrick MA.** Exploring the Role of Health Professional Students and Trainees as Members of the Health Workforce: What are the External Factors Decision-Makers Need to Consider? National Academies of Science, Engineering and Medicine Global Forum on Innovation in Health Professions Education. Washington DC, November 2021.
2. Patel E, Taylor LA, Johnson H, Thomas JS, **Merrick MA.** Exploring the Role of Health Professional Students and Trainees as Members of the Health Workforce: Perspectives of Leaders Who Did Not Remove Learners from the Clinical Environment. National Academies of Science, Engineering and Medicine Global Forum on Innovation in Health Professions Education. Washington DC, October 2021.
3. **Merrick MA.** The Future of Athletic Training in Health Care. Indiana State University Doctor of Athletic Training Focused Intensive Learning Seminar. Terre Haute, IN, December 2019
4. **Merrick MA.** Rethinking Acute Injury – The End of the Ice Age? Indiana State University Doctor of Athletic Training Focused Intensive Learning Seminar. Terre Haute, IN, December 2019
5. **Merrick MA.** Identifying and Integrating the Building Blocks of your Framework. CAATE Accreditation Conference. Atlanta, GA, October 2019.
6. Sauers E, **Merrick MA,** Derringer K, Ingersoll C, Pecha F, Long B. CAATE Commission Open Forum. CAATE Accreditation Conference. Atlanta, GA, October 2019
7. **Merrick MA.** Degree Change and Implications for the Future. National Athletic Trainers' Association Annual Meeting & AT Expo. Las Vegas, NV, June 2019.



8. **Merrick MA.** The Future of Athletic Training and the Role of the New Educational Standards in Achieving It. Ohio Athletic Trainers Association Annual Symposium May 2019
9. **Merrick MA.** CAATE Accreditation Update. Mid-American Athletic Trainers Association Annual Meeting. Tulsa OK, Scheduled for March 2019
10. Taylor L, **Merrick MA**, Derringer K, Herzog V. CAATE 2020 Standards. CAATE Accreditation Conference. Tampa, FL, October 2018.
11. Taylor L, Sauers E, **Merrick MA**, Derringer K, Herzog V, CAATE Commission Open Forum. CAATE Accreditation Conference. Tampa, FL, October 2018.
12. **Merrick MA**, The Future of the Athletic Training Profession: Overcoming our self-imposed barriers. Michigan State University Athletic Training Education Endowment Lecture Series. East Lansing, MI, October 2018.
13. **Merrick MA.** Quit Saying “ATs Can’t \_\_\_!” Overcoming our barriers to practice advancement. South Padre Athletic Training Symposium. South Padre Island TX, June 2018
14. **Merrick MA**, Accreditation and Quality Assurance. Mid-Atlantic Athletic Trainers Association Annual Meeting. Ocean City MD, May 2018
15. **Merrick MA.** New Accreditation Standards & Curricular Changes. Ohio Athletic Trainers Association Annual Symposium. Dublin OH May 2018
16. **Merrick MA**, Accreditation and Quality Assurance. Mid-American Athletic Trainers Association Annual Meeting. Omaha NE, March 2018
17. **Merrick MA**, Interprofessional and Interdisciplinary Care Teams in Health Care – Aligning our Identity. Tennessee Athletic Trainers Society Annual Meeting. Nashville, TN, January 2018.
18. **Merrick MA**, Aligning Athletic Training Education with Mainstream Healthcare. Ohio Athletic Trainers Association Student Symposium. Columbus, OH, January 2018.
19. **Merrick MA**, CAATE Commission Open Forum. CAATE Accreditation Conference. Tampa, FL, October 2017.
20. **Merrick MA**, Taylor L. Open Forum on Proposed Professional Standards. National Athletic Trainers’ Association Annual Meeting & AT Expo. Houston, TX, June 2017.
21. **Merrick MA.** Beyond Cold! – Whole Body Cryotherapy Chambers, Fad or Future? South Padre Athletic Training Symposium. South Padre Island TX, June 2017.
22. **Merrick MA.** Whole Body Cryotherapy: An American Perspective. FIFA: The Future of Football Medicine Conference, Barcelona, Spain, May 2017.
23. **Merrick MA.** The Evolving Landscape of Athletic Training Education. Penn State University Athletic Training Program Colloquium, State College, PA, March 2017
24. **Merrick MA**, Is it the End of the ICE Age? A critical examination of acute musculoskeletal injury management. Penn State University Department of Kinesiology Colloquium, State College, PA, March 2017
25. **Merrick MA.** Shaping the Future of Athletic Training Education. Rocky Mountain Athletic Trainers’ Association (NATA District VII) Annual Meeting. Westminster, CO, March 2017
26. **Merrick MA.** Athletic Training Education Student Open Forum. Rocky Mountain Athletic Trainers’ Association (NATA District VII) Annual Meeting. Westminster, CO, March 2017
27. **Merrick MA.** Shaping the Future of Athletic Training Education. Great Lakes Athletic Trainers’ Association (NATA District IV) Annual Meeting. Wheeling, IL, March 2017
28. **Merrick MA.** Shaping the Future of Athletic Training Education. Athletic Training Educators’ Conference. Dallas, TX, February 2017.
29. **Merrick MA.** Shaping the Future of Athletic Training Education. National Athletic Trainers’ Association Joint Committee Members Meeting. Dallas, TX, January 2017.
30. **Merrick MA.** Shaping the Future of Athletic Training Education. Eastern Athletic Trainers’ Association (NATA Districts I & II) Annual Meeting. Philadelphia, PA, January 2017
31. **Merrick MA**, Beyond the Professional Degree: President’s Update. CAATE Accreditation Conference. Tampa, FL, October 2016.
32. **Merrick MA**, CAATE Commission Open Forum. CAATE Accreditation Conference. Tampa, FL, October 2016.

33. **Merrick MA**, Kluchurosky L, Matney M. Interprofessional Education & Practice and Interdisciplinary Care Teams in Healthcare. National Athletic Trainers' Association Annual Meeting & AT Expo. Baltimore, MD, June 2016.
34. **Merrick MA**. EBP: - The End of the ICE Age? An examination of the hype, evidence, and underlying physiology of acute injury management. South Padre Athletic Training Symposium. South Padre Island TX, June 2016
35. **Merrick MA**. Keynote Address – Where are We Going and How Will We Get There? South Padre Athletic Training Symposium. South Padre Island TX, June 2016
36. **Merrick MA**. Changes to the Athletic Training Professional Knowledge and Curriculum Models. Ohio Athletic Trainers Association Annual Symposium. Dublin OH May 2016
37. **Merrick MA**. Setting, implementing, and acting on a bright-line outcome standard for program pass rates on a national board exam. Global Forum on Innovation in Health Professions Education, National Academy of Medicine. Washington D.C., April 2016.
38. **Merrick MA**. Athletic Training Education and Accreditation. Presentation to the Chinese General Administration for Sport Culture (GASC), Boston, March 2016
39. **Merrick MA**, Voll C, Sexton P. Roundtable Discussion on the Future of the Athletic Training Profession. Great Lakes Athletic Trainers Association Annual Symposium. Wheeling, IL, March 2016
40. **Merrick MA**. Moving Beyond the Degree: A CAATE Update. Great Lakes Athletic Trainers Association Annual Symposium. Wheeling, IL, March 2016
41. **Merrick MA**. Therapeutic Interventions Roundtable. SEATA Student & Educators Symposium. Atlanta GA, February 2016.
42. **Merrick MA**. The Professional Degree: What's Next? – CAATE Update. CAATE Athletic Training Accreditation National Conference. Tampa FL, October 2015.
43. **Merrick MA**, Sauers E. The Future of Doctoral Post-Professional Education in Athletic Training: The CAATE Perspective. Athletic Training Doctoral Education Summit. Moscow, ID, August 2015.
44. **Merrick MA**. Roundtable Discussion of Issues in Athletic Training. Southwest Athletic Trainers' Association (NATA District 6), Houston, TX, July 2015.
45. **Merrick MA**. Update on Athletic Training Accreditation: Regulatory Implications. AT Board of Certification Regulatory Conference. Omaha, NE, July 2015.
46. Thornton J, Sailor S, Laursen RM, **Merrick MA**, McGowen S, Floyd RT. Open Forum on the Athletic Training Professional Degree Change. National Athletic Trainers' Association Annual Meeting & AT Expo. St. Louis, MO, June 2015.
47. Sauers E, **Merrick MA**. Partnering to assure quality in educational programs internationally. World Federation of Athletic Training and Therapy 2015 World Congress. St. Louis, MO, June 2015
48. Laursen RM, **Merrick MA**. The future of Athletic Training Education and its impact on clinical practice in the collegiate setting. College Athletic Trainers Society Annual Meeting. St. Louis, MO, June 2015.
49. **Merrick MA**, Rochester J, Andre P, Deranek J. Panel Discussion: The Appropriate Professional Degree for Athletic Training. Michigan Athletic Trainers Society Annual Symposium. Ypsilanti, MI, June 2015.
50. **Merrick MA**. Evidence Based Management of the Exercising Diabetic Patient. South Padre Athletic Training Symposium. South Padre Island TX, June 2015
51. **Merrick MA**. Peer-to-Peer Discussion: The Appropriate Professional Degree for Athletic Training – Who Do We Want To Be? Ohio Athletic Trainers Association Annual Symposium. Cincinnati OH, May 2015.
52. **Merrick MA**. A Conversation About the Athletic Training Degree Debate. University of Toledo College of Health Sciences – Athletic Training Faculty Invited Lecture. Toledo, OH April 2015.
53. Laursen RM, **Merrick MA**. Developing Synergy Between Academic Faculty, Clinical Faculty and Preceptors. Great Lakes Athletic Trainers Association Annual Symposium. Wheeling, IL, March 2015.
54. Laursen RM, **Merrick MA**, Sauers E, Cuppett M, Taylor L. CAATE: Assuring and Enhancing Quality Education in Athletic Training. National Athletic Trainers Association AT Educators' Conference. Dallas, TX, February 2015.
55. **Merrick MA**, Hudson M. Ethical Standards in Athletic Training Education. CAATE Athletic Training Accreditation National Conference. Tampa FL, October 2014.

56. **Merrick MA.** Cold Sprays and Vapocoolants in Athletic Training: What Was Old is New Again. National Athletic Trainers Association Annual Meeting and Clinical Expo. Indianapolis, IN June 2014.
57. **Merrick MA.** Applying Evidence Based Practice to Differential Diagnosis of Shoulder Pathology. South Padre Athletic Training Symposium. South Padre Island TX, June 2014.
58. **Merrick MA.** Understanding, Diagnosing and Managing Dermatological Pathology in the Athlete. South Padre Athletic Training Symposium. South Padre Island TX, June 2013.
59. **Merrick MA.** The Appropriate Professional Degree for Athletic Training. Ohio Athletic Training Association. Dublin, OH, May 2013.
60. **Merrick MA.** Biorepositories: Lessons from The Immortal Life of Henrietta Lacks. Ohio State University Center for Clinical & Translational Science Fellows Workshop. Columbus, OH, September 2012.
61. **Merrick MA.** Understanding, Diagnosing and Managing Rhabdomyolysis in the Athlete. South Padre Athletic Training Symposium. South Padre Island TX, June 2012.
62. **Merrick MA.** New Roles for the Athletic Trainer and Coach in Preventing and Managing Sudden Cardiac Death Events. Connor Senn Symposium on Sudden Cardiac Death in the Athlete. Ohio State University, Columbus OH, May 2012.
63. **Merrick MA.** The Traumatic Abdomen in Sports. South Padre Athletic Training Symposium. South Padre Island TX, June 2011.
64. **Merrick MA.** Pelotonia 2010: Understanding The Physiological Why And How Of Cycling Training. Ohio State University Sports Medicine Center Pelotonia Lecture Series. Columbus, OH July 2010.
65. **Merrick MA.** Inflammation in Context: Should We Try to Arrest It or Promote it? South Padre Athletic Training Symposium. South Padre Island TX, June 2010.
66. **Merrick MA.** Inflammation in Context: Should We Try to Arrest It or Promote it? Ohio Physical Therapy Association Spring Symposium. Columbus OH, March 2010.
67. **Merrick MA.** Bracing the Buckeyes: What we use, why we use it, and what the literature says about it. Ohio Chapter Meeting, American Association of Orthotists & Prosthetists. Columbus, OH, October 2009.
68. **Merrick MA.** Secondary Injury Following Musculoskeletal Trauma – A Window of Opportunity. School of Allied Medical Professions Grand Rounds, The Ohio State University, Columbus, OH, October 2009.
69. **Merrick MA, Dolan M, Butterfield T.** CEC Committee Invited Lecture - Managing Musculoskeletal Inflammation: Current Understanding and Evidence Based Practice. NATA Annual Meeting and Clinical Symposium, San Antonio, TXO, June 2009.
70. **Merrick MA.** Cryotherapy: Science, Guesses and Myths. Department of Physical Medicine and Rehabilitation Grand Rounds, The Ohio State University, Columbus, OH, July 2008
71. **Merrick MA.** Special Interest Group Symposium – Therapeutic Modalities. NATA Annual Meeting and Clinical Symposium, St. Louis, MO, June 2008
72. **Merrick MA.** The Narrow Road & Athletic Training at a Large Public University. Athletic Training Lecture Series, Cedarville University, Cedarville, OH. October 2007.
73. **Merrick MA.** Electrical Stimulation: The Past, the Future, Science and Outcomes. Ohio Chapter Meeting, American Association of Orthotists & Prosthetists. Columbus, OH, October 2007.
74. **Merrick MA.** Wolves in Sheep's Clothing: Hidden Medical Emergencies and How to Uncover Them. South Padre Athletic Training Symposium. South Padre Island TX, June 2007.
75. Lissner LS, **Merrick MA.** Technical Standards for Clinical & Applied Programs: Understanding the ADA & Bringing Your Program into Compliance. Ohio State University Continuing Educ. Seminar. Columbus, OH, February 2007.
76. **Merrick MA.** Journal of Athletic Training Reviewers Workshop: Designing, Registering, and Publishing Clinical Trials. NATA Annual Meeting and Clinical Symposium, Atlanta, GA, June 2006.
77. **Merrick MA.** Evidence Based Modality Applications: Advances in Cryotherapy. NATA Annual Meeting and Clinical Symposium, Indianapolis, IN, June 2005.
78. **Merrick MA, Dolan M.** Special Interest Group Symposium – Therapeutic Modalities. NATA Annual Meeting and Clinical Symposium, Indianapolis, IN, June 2005.

79. **Merrick MA.** Electrical Stimulation: From Hieroglyphics & Voodoo to Science and Outcomes. South Padre Athletic Training Symposium. South Padre Island, TX, June 2005.
80. **Merrick MA.** Grant Writing in Academia: Writing grants to the NATA Research & Education Foundation. OATA Annual Meeting and Clinical Symposium. Canton, OH April 2005.
81. **Merrick MA.** Acute Injury Pathophysiology-the Clock is Ticking. GLATA (NATA District 4) Annual Meeting and Clinical Symposium. Toledo, OH, March 2005.
82. **Merrick MA, Kimmel C.** Debate: Should Athletic Training Educators be Clinically Active. NATA Annual Meeting and Clinical Symposium. Baltimore, MD, June 2004.
83. **Merrick MA.** Therapeutic Ultrasound: Looking for the needle in the haystack. South Padre Athletic Training Symposium. South Padre Island, TX, June 2004.
84. **Merrick MA.** College and university athletic training issues. OATA Annual Meeting, Dayton, OH, April 2004.
85. **Merrick MA, Knight KL.** Special Interest Group Symposium – Therapeutic Modalities. NATA Annual Meeting and Clinical Symposium, St. Louis, MO, June 2003.
86. **Merrick MA.** Secondary Cell Death: Hypoxia is Just the Beginning. NATA Annual Meeting and Clinical Symposium, St. Louis, MO, June 2003.
87. **Merrick MA.** I Can't Believe We Don't Know That! – The Current State of Injury Management Research. Penn State University Kinesiology Department Colloquium, State College, PA, March 2003.
88. **Merrick MA.** Inflammation and Secondary Tissue Damage. Penn State University Athletic Training Conference, State College, PA, March 2003.
89. **Merrick MA.** NATA Foundation Research Proposal Construction. 4<sup>th</sup> Athletic Training Educators Conference, Houston, TX, January 2003.
90. **Merrick MA.** The Changing Guidelines for Athletic Training Curriculum Programs: Impact on Athletic Health Care. 3<sup>rd</sup> College & High School Athlete Sports Medicine Conference, Columbus, OH, July 2002.
91. **Merrick MA.** The Thrower's Shoulder with Instability: Can it be Managed Conservatively. 3<sup>rd</sup> College & High School Athlete Sports Medicine Conference, Columbus, OH, July 2002.
92. **Merrick MA, Draper DO.** Special Interests Group Symposium – Therapeutic Modalities. NATA Annual Meeting and Clinical Symposium, Dallas, TX, June 2002.
93. **Merrick MA.** Cryotherapy & Acute Trauma: A Research Update. OATA Annual Meeting, Cincinnati, May 2002.
94. **Merrick MA.** The role of the clinical instructor and clinical supervisor in affiliated athletic training education settings. Greater Columbus Athletic Trainers Society Meeting, Columbus, OH, November 2001
95. **Merrick MA.** Special Nutritional Concerns of the Aging Athlete. Indiana Athletic Trainers' Association Annual Meeting. Indianapolis, October 1999.
96. **Merrick MA.** Contemporary Perspectives on Cryotherapy: New Developments you need to know about our most often used tool. Mid-America Athletic Trainers Assoc. (NATA District 5) Annual Meeting & Symposium, Sioux Falls SD, March 1999.
97. **Lamb D, Merrick MA, Ambrose J.** Socratic Debate on Creatine Monohydrate Supplementation. Midwest ACSM Meeting, Cleveland, October 1998
98. **Merrick MA.** Athletic Trainers and Bloodborne Pathogens, complying with OSHA guidelines. Address at the Greater Cincinnati Athletic Trainers' Association Spring Meeting, April 1998
99. **Merrick MA.** Current trends and research in Creatine Monohydrate Supplementation. Address at the Greater Cincinnati Athletic Trainers' Association fall meeting, October 1997

#### *Other Invited Lectures and Talks*

1. **Merrick MA.** *Human Muscle Anatomy and Physiology.* Invited presentation for AP Human Anatomy Course at Monclova Christian Academy, Monclova OH. October 2021.
2. **Merrick MA.** *Athletic Training Practice in an IPP World.* Invited lecture for ATTR 6150 Foundations of Athletic Training Practice. June 2021.
3. **Merrick MA.** *Athletic Training Practice in an IPP World.* Invited lecture for ATTR 6040 Clinical Applications in Athletic Training IV. February 2021

4. **Merrick MA.** *Conducting Industry-Partnered Research: experiences and tips.* invited lecture for HTHRHSC 7100 Doctoral Seminar in Health and Rehabilitation Sciences Course. October 2019
5. **Merrick MA.** *Preparing for and managing emergencies in athletic health care.* invited lecture for PHYS THER 8612 Advanced Topics in Physical Therapy Course. September 2019
6. **Merrick MA.** *Assessment: Are Your Students Truly Prepared? Do You Know?.* invited lecture for HTHRHSC 7250 Teaching and Curriculum in Health and Rehabilitation Sciences. March 2019
7. **Merrick MA.** *Preparing for and managing emergencies in athletic health care.* invited lecture for PHYS THER 8612 Advanced Topics in Physical Therapy Course. October 2018
8. **Merrick MA.** *Embracing and Implementing a Core Curriculum for the School of Health and Rehabilitation Sciences: Aligning with IOM, IPEC, ACGME and the big picture.* Ohio State University School of Health and Rehabilitation Sciences Executive Committee Retreat. Columbus, OH December 2017.
9. **Merrick MA.** *Preparing for and managing emergencies in athletic health care.* invited lecture for PHYS THER 8612 Advanced Topics in Physical Therapy Course. October 2017
10. **Merrick MA.** *Preparing for and managing emergencies in athletic health care.* invited lecture for PHYS THER 8612 Advanced Topics in Physical Therapy Course. October 2016
11. **Merrick MA.** *Preparing for and managing emergencies in athletic health care.* invited lecture for PHYS THER 8612 Advanced Topics in Physical Therapy Course. October 2015
12. **Merrick MA,** Meadows S. Overview and IRB Review Issues with Multi-site Research. Invited talk in workshop titled *Human Subjects Research with External Collaborators: Overview of Operational Best Practices, Regulatory Requirements, and Available Resources for Managing Collaborative Research.* Ohio State University Office of Responsible Research Practices. Columbus, OH, September 2015.
13. Zadnik K, **Merrick MA,** Raasch T, Clark J. Mock IRB Review and Discussion. Ohio State University Center for Clinical & Translational Science Investigator Training Workshop. Columbus, OH, September 2014
14. **Merrick MA.** *Preparing for and managing emergencies in athletic health care.* invited lecture for PHYS THER 8612 Advanced Topics in Physical Therapy Course. January 2014.
15. Zadnik K, **Merrick MA,** Raasch T, Clark J. Mock IRB Review and Discussion. Ohio State University Center for Clinical & Translational Science Investigator Training Workshop. Columbus, OH, September 2013
16. **Merrick MA.** *Cryotherapy and Ultrasound in rehabilitation.* invited lecture for OCCTHER 6251 Advanced Topics Physical Agents Modalities Course. April 2013.
17. Zadnik K, **Merrick MA,** Clark J, McClintock A. Mock IRB Review and Discussion. Ohio State University Center for Clinical & Translational Science Investigator Training Workshop. Columbus, OH, February 2013
18. **Merrick MA.** *Preparing for and managing emergencies in athletic health care.* invited lecture for PHYS THER 8612 Advanced Topics in Physical Therapy Course. January 2013.
19. **Merrick MA.** *Bioethics of research biorepositories: Lessons from The Immortal Life of Henrietta Lacks.* Invited lecture for Optometry 7800 Special Topics in Optometry course, October 2012.
20. **Merrick MA.** *Preparing for and managing emergencies in athletic health care.* invited lecture for PHYS THER 825 Advanced Topics in Physical Therapy Course. January 2012.
21. **Merrick MA.** *Keeping them in the fight: Identifying and Managing Musculoskeletal Injuries in Fire Fighters and SWAT personnel.* Truro Fire Department EMS In-service, November 2011
22. **Merrick MA.** *Dying to Win – Understanding, Recognizing, and Managing Sudden Death in the Athlete.* Ohio State University Parents & Family Weekend Program, October 2011.
23. **Merrick MA.** *Growing Together: Imagine a World...Without Concussions in Sports.* Buckeye Middle School Outreach & Engagement Program, Columbus, OH, October 2011.
24. **Merrick MA.** *Preparing for and managing emergencies in athletic health care.* invited lecture for PHYS THER 825 Advanced Topics in Physical Therapy Course. January 2011.
25. **Merrick MA.** *Beyond Ohio State: The future of the Athletic Training profession & how you fit in.* invited lecture for ATH TRNG 640 Senior Seminar Course. March 2010.

26. **Merrick MA.** *Pharmacodynamics & Drug Receptors.* Invited lecture for NURSING N706: Advanced Pharmacology in Advanced Nursing Practice Course. January 2010.
27. **Merrick MA.** *Preparing for and managing emergencies in athletic health care.* invited lecture for PHYS THER 825 Advanced Topics in Physical Therapy Course. January 2010.
28. **Merrick MA.** *Beyond Ohio State: The future of the Athletic Training profession & how you fit in.* invited lecture for ATH TRNG 640 Senior Seminar Course. March 2009.
29. **Merrick MA.** *Preparing for and managing emergencies in athletic health care.* invited lecture for PHYS THER 825 Advanced Topics in Physical Therapy Course. January 2009.
30. **Merrick MA.** *Beyond Ohio State: The future of the Athletic Training profession & how you fit in.* invited lecture for ATH TRNG 640 Senior Seminar Course. March 2008.
31. **Merrick MA,** Hoberty P. *Navigating the waters through IRB approval.* School of Allied Medical Professions Faculty Affairs Committee Brown-Bag Seminar. The Ohio State University, Columbus, OH March 2007.
32. **Merrick MA,** *Therapeutic Modalities in Rehabilitation.* The Ohio State University Student Athletic Training Camp, Columbus, OH, June 2005
33. **Merrick MA,** *Neurological Evaluation of the Lower Extremity.* The Ohio State University Student Athletic Training Camp, Columbus, OH, June 2003
34. **Merrick MA,** *Choosing an Educational Program in Athletic Training.* The Ohio State University Student Athletic Training Camp, Columbus, OH, June 2003
35. **Merrick MA.** Preventing Injuries When Starting An Exercise Program. City of Gahanna Division of Parks & Recreation. Gahanna, OH, April 2003
36. **Merrick MA,** Davis WR. *Sprains, Strains, & Touchdowns – a behind the scenes look at sports medicine and intercollegiate athletics.* The Ohio State University Winter College, Naples FL, March 2003.
37. **Merrick MA,** Goodwin B, Rocks J. *The role of the clinical instructor and clinical supervisor in affiliated athletic training education settings.* Greater Columbus Athletic Trainers Society Monthly Meeting, Columbus, OH, November 2001.
38. **Merrick MA.** *Seeing with your fingers: The role of surface anatomy and palpation in injury evaluation.* The Ohio State University Student Athletic Training Camp. Columbus, OH, June 2001.
39. **Merrick MA.** *Professional Education for Athletic Trainers and the future of Athletic Training Practice.* The Ohio State University Student Athletic Training Camp, Columbus, OH, June 2001.
40. **Merrick MA.** *Athletic Training and Physical Therapy: Implications for future professional relationships and professional practice.* The Ohio State University Physical Therapy Club. Columbus, OH, February 2001.
41. **Merrick MA.** *Minority Students in Sports Medicine: Opportunities, Pitfalls, and Advising Strategies.* Minority Advising Program (MAP) Staff Retreat, The Ohio State University, Columbus, OH January 2001.
42. **Merrick MA.** *Athletes are Patients Too.* The Ohio State University Honors & Scholars Fall Symposium, November 2000.
43. **Merrick MA.** *The need for Certified Athletic Trainers in the secondary school setting.* Address to the Lakota School District, West Chester OH, May 1998
44. **Merrick MA.** *Professional Issues affecting the future of Athletic Training.* The University of Toledo Student Athletic Trainer Camp, June 1997
45. **Merrick MA.** *The Future of Athletic Training and its implications for Physical Therapists.* The University of Toledo Physical Therapy Club. January 1997
46. **Merrick MA.** *Professional Issues affecting the future of Athletic Training.* The University of Toledo Student Athletic Trainer Camp, June 1996
47. **Merrick MA.** *Professional Issues affecting the future of Athletic Training.* The University of Toledo Student Athletic Trainer Camp, June 1995
48. **Merrick MA.** *The role of intermittent isokinetic testing in documenting patient progress toward discharge.* Professional Sports Care, Danbury CT, March 1994

49. **Merrick MA.** Strategies to minimize legal liability in secondary school athletic programs. Greater Danbury High School Athletic Directors Meeting. Danbury CT, August 1993

## Scholarship

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### Invited Book Chapters

1. Merrick MA. Therapeutic Modalities as an Adjunct to Rehabilitation. In Andrews G, Harrelson G, Wilk K, eds. Physical Rehabilitation of the Injured Athlete, 4<sup>rd</sup> ed. Philadelphia: Elsevier/W.B. Saunders; 2012. Pp 104-231.
2. Merrick MA. The Physiologic Basis for Physical Agents. In Magee DJ, Zachasewski JE, Quillen WS, eds. Musculoskeletal Rehabilitation: Vol. II – Scientific Foundations and Principles of Practice in Musculoskeletal Rehabilitation. Philadelphia: Elsevier - Saunders; 2007. pp. 238 - 254.
3. Merrick MA. Therapeutic Modalities as an Adjunct to Rehabilitation. In Andrews G, Harrelson G, Wilk K, eds. Physical Rehabilitation of the Injured Athlete, 3<sup>rd</sup> ed. Philadelphia: W.B. Saunders; 2003. pp. 51 – 98.

### Monographs & Proceedings

1. **Merrick MA.** Setting, implementing, and acting on a bright-line outcome standard for program pass rates on a national board exam. In, *Exploring the Role of Accreditation in Enhancing Quality and Innovation in Health Professions Education: Proceedings of a Workshop*. Global Forum on Innovation in Health Professions Education, National Academies of Science, Engineering & Medicine, Washington DC. April 2016.
2. Richardson R, Herzog V, **Merrick MA**, Parsons J, Thornton J, Starkey C, Voll C, Yan V, Henning J, Brown S. Professional Education in Athletic Training: An Examination of the Professional Degree Level. National Athletic Trainers Association. December 2013.

### Published Manuscripts – Google Scholar data as of 9/2023, h-index = 22, i10-index = 26, citations = 3451

1. Beauregard TA, Valle J, Whitney L, **Merrick MA**, Moody V. Rapid Facial Cooling for Combat Sports: A Comparison of Materials and Methods for Cooling Facial Tissues in 60 seconds or Less. *J Sport Rehabil.* 2020; 30(2):177-181.
2. Gillette C, **Merrick M.** The Effect of ICE on Intramuscular Tissue Temperatures. *J Sport Rehabil.* 2018; 27(6): 526-529.
3. Lee K, Onate J, McCann S, Hunt T, Turner W, **Merrick MA.** The Effectiveness of Cervical Strengthening on Decreasing Neck Injury Risk in Wrestling. *J Sport Rehabil.* 2017; 26(4): 306-310.
4. Chang S, Si T, Zhang S. **Merrick MA**, Cohn DE, Xu RX. Ultrasound mediated destruction of multifunctional microbubbles for image guided delivery of oxygen and drugs. *Ultrasonics Sonochemistry* 2016;28:31-38.
5. **Merrick MA.** Cold water immersion to improve postexercise recovery: a meta-analysis. *Clin J Sport Med.* 2013 May;23(3):242-3.
6. **Merrick MA**, McBrier NM. Progression of Secondary Injury Following Musculoskeletal Trauma – A Window of Opportunity?. *J Sport Rehabil.* 2010; 19:380-388.
7. **Merrick MA**, Introduction to This Special Issue on Clinical and Translational Science. *J Sport Rehabil.* 2010; 19:357-358.
8. McBrier NM, Lekan JM, Druhan LJ, Devor ST, **Merrick MA.** Therapeutic Ultrasound Decreases Mechano-Growth Factor Ribonucleic Acid Expression after Muscle Contusion Injury. *Arch Phys Med Rehabil.* 2007; 88:936-40.
9. Cordova ML, Dorrough J, Kious K, Ingersoll CD, **Merrick MA.** Prophylactic Ankle Bracing Reduces Rearfoot Motion During Sudden Inversion. *Scand j Med Sci Sports.* 2007; 17(3):216-222.
10. **Merrick MA.** I Can't Believe We Don't Know That! (Invited Editorial). *J Athletic Training.* 2006;41(3):231.
11. Butterfield TA, Best TM, **Merrick MA.** The Dual Role of Neutrophils and Macrophages in Inflammation: A Critical Balance Between Tissue Damage and Repair. *J Athletic Training.* 2006;41(4):457-465.
  - Runner-up award: 2006 *Journal of Athletic Training* Clint Thompson Outstanding Non-Research Manuscript Award
12. Markert CD, **Merrick MA**, Kirby TE, Devor ST. Non-Thermal Ultrasound and Exercise in Skeletal Muscle Regeneration. *Arch Phys Med Rehabil.* 2005;86:1304-1310.
13. **Merrick MA.** New Requirements for Registering Clinical Trials (Invited Editorial). *J Athletic Training.* 2005;40(1):8.

14. Livecchi NM, **Merrick MA**, Ingersoll CD, Stemmans CL. Pre-athletic training students perform better on written tests with teacher-centered instructions. *J Allied Health*. 2004;33:200-204.
15. Hayes BT, **Merrick MA**, Sandrey MA, Cordova ML. Three MHz Ultrasound heats deeper into tissues than originally theorized. *J Athletic Training*, 2004;39(3):223-229.
16. Leonard JL, **Merrick MA**, Ingersoll CD, Cordova ML. A Comparison of Intramuscular Temperatures During 10-Minute 1.0-MHz Ultrasound Treatments at Different Intensities. *J Sport Rehabil*. 2004;13(3):244-254.
17. Burns RD, Schiller MR, **Merrick MA**, Wolf KN. Intercollegiate student athlete use of nutritional supplements and the role of athletic trainers and dietitians in nutrition counseling. *J Am Diet Assoc*. 2004;104(2):246-9.
18. Wilkin LD, **Merrick MA**, Kirby TE, Devor ST. Influence of therapeutic ultrasound on skeletal muscle regeneration following blunt contusion. *Int J Sports Med*. 2004;25(1):73-77.
19. Robinson LE, Devor ST, **Merrick MA**, Buckworth J. The effects of land versus aquatic Plyometrics on power, torque, velocity, and muscle soreness in women. *J Strength Conditioning Res*. 2004;18(1):84-91.
20. **Merrick MA**, Bernard KD, Devor ST, Williams JM. Identical 3MHz ultrasound treatments with different devices produce different intramuscular temperatures. *J Orthop Sports Phys Ther*. 2003; 33:379-385.
21. **Merrick MA**, Jutte LS, Smith M. Cold modalities with different thermodynamic properties produce different surface and intramuscular temperatures. *J Athletic Training*. 2003;38:28-33.
  - 2<sup>nd</sup> Runner-up award: 2003 *Journal of Athletic Training* Kenneth Knight Outstanding Research Manuscript Award
22. Stone MB, **Merrick MA**, Ingersoll CD, Edwards JE. Preliminary comparison of bromelain and ibuprofen for delayed onset muscle soreness management. *Clin J Sports Med*. 2002; 12:373-378.
23. Otte JW, **Merrick MA**, Ingersoll CD, Cordova ML. Subcutaneous adipose tissue thickness alters cooling time during cryotherapy. *Arch Phys Med Rehabil*. 2002; 83:1501-1505.
24. **Merrick MA**. Secondary injury after musculoskeletal trauma – A Review and Update. *Journal of Athletic Training*. 2002; 37:209-217.
  - Winner: 2002 *Journal of Athletic Training* Clint Thompson Outstanding Non-Research Manuscript Award.
25. Livecchi NM, Armstrong CW, Cordova ML, **Merrick MA**, Rankin JM. Vastus lateralis and vastus medialis obliquus activity during a straight leg raise and knee extension with lateral rotation of the hip. *Journal of Sport Rehabilitation*. 2002; 11:120-126.
26. **Merrick MA**, Mihalyov MR, Rothemeier JL, Cordova ML, Ingersoll CD. A comparison of intramuscular temperatures during ultrasound treatments with coupling gel or gel pads. *J Orthop Sports Phys Ther*. 2002; 32:216-220.
27. **Merrick MA**. Does DMSO have a place in Sports Medicine? *Athletic Therapy Today*. 2002; 7(2):42-43.
28. **Merrick MA**. Does 1 MHz Ultrasound Really Work? *Athletic Therapy Today*. 2001; 6(6):48-49.
29. **Merrick MA**. Updates in managing the Diabetic Athlete. *Athletic Therapy Today*. 2001; 6(5):40-41.
30. Ognibene N, **Merrick MA**, Ingersoll CD. Intra- and intersession reliability of acoustic rhinometry in measuring nasal cross-sectional area. *Ear, Nose, and Throat Journal*. 2001;80:536-540.
31. **Merrick MA**. Cardiovascular Pathologies: To Screen or Not To Screen *Athletic Therapy Today*. 2001;6(4):28-29.
32. Jutte LS, **Merrick MA**, Ingersoll CD, Edwards J. The relationship between intramuscular temperature, skin temperature, and adipose thickness during cryotherapy and rewarming. *Archives of Physical Medicine and Rehabilitation*. 2001;82:845-50.
33. **Merrick MA**. Osteoporosis and the Female Athlete. *Athletic Therapy Today*. 2001; 6(3):42-43.
34. **Merrick MA**. Do Nasal Dilator Strips Help Athletes? *Athletic Therapy Today*. 2001; 6(2):42-43.
35. Sweeney KB, **Merrick MA**, Ingersoll CD, Swez JA. Therapeutic Magnets do not affect tissue temperatures. *Journal of Athletic Training*. 2001;36:27-31.
36. **Merrick MA**. Do You Diathermy? *Athletic Therapy Today*. 2001; 6(1):55-56.
37. **Merrick MA**, Rankin JM, Andres FA, Hinman CL. A preliminary examination of cryotherapy and secondary injury in skeletal muscle. In Mosby-Year Book of Sports Medicine. 2000.



38. **Merrick MA**. Do Ankle Bracing and Taping Work?. *Athletic Therapy Today*.2000; 5(6);40-41.
39. **Merrick MA**. Do Patellofemoral Braces Work?. *Athletic Therapy Today*.2000; 5(5):34-35.
40. **Merrick MA**. What we (don't) know about preventing muscle injuries. *Athletic Therapy Today*. 2000; 5(4):44-45.
41. Selseth A, Dayton M, Cordova ML, **Merrick MA**, Ingersoll CD. Quadriceps concentric EMG activity is greater than eccentric EMG activity during the lateral step-up exercise. *J. of Sport Rehabilitation*. 2000; 9(2):124-134.
42. **Merrick MA**. Ultrasound and Range of Motion Examined. *Athletic Therapy Today*. 2000; 5(3):48-49.
43. **Merrick MA**. Do Glucosamine & Chondroitin Sulfate Supplements really work? *Athletic Therapy Today*. 2000;5(2):46-47.
44. **Merrick MA**. Does Phonophoresis Work? *Athletic Therapy Today*. 2000;5(1):46-47.
45. **Merrick MA**, Rankin JM, Andres FA, Hinman CL. A preliminary examination of cryotherapy and secondary injury in skeletal muscle. *Med Sci Sports Exerc*. 1999;31:1516-1521.
  - Selected for inclusion in the 2000 Mosby-Year Book of Sports Medicine
46. **Merrick MA**. Unconventional Modalities: Therapeutic Magnets. *Athletic Therapy Today*. 1999;4(6):55-56.
47. **Merrick MA**. Unconventional Modalities: Microcurrent. *Athletic Therapy Today*. 1999;4(5):53-54
48. **Merrick MA**. Unconventional Modalities: Hyperbaric Oxygen. *Athletic Therapy Today*. 1999;4(4):58-59.
49. **Merrick MA**. What the Research Tells Us About Overtraining? *Athletic Therapy Today*. 1999;4(3):14-15.
50. **Merrick MA**. Creatine Supplements: Do They Work? Are They Safe? *Athletic Therapy Today*. 1999;4(1):59-60.
51. **Merrick MA**, Knight KL, Ingersoll CD, Potteiger JA. The effects of ice & compression wraps on intramuscular temperatures at various depths. In Mosby-Year Book of Sports Medicine. 1994.
52. **Merrick MA**, Knight KL, Ingersoll CD, Potteiger JA. The effects of ice & compression wraps on intramuscular temperatures at various depths. *Journal of Athletic Training*. 1993; 28:236-245.
  - Winner: 1993 *Journal of Athletic Training* Outstanding Research Article Award
  - Selected for inclusion in the 1994 *Mosby-Year Book of Sports Medicine*.
53. Ingersoll CD, Knight KL, **Merrick MA**. Sensory perception of the foot and ankle following therapeutic applications of heat and cold. *Journal of Athletic Training*. 1992; 27:231-234.

#### *Manuscripts Currently in Review or Development*

1. Beauregard TA, Quatman-Yates CC, **Merrick MA**. Current Practices in Acute Musculoskeletal Injury Care: A National Survey of Athletic Trainers. – Data collection complete, abstract presented, manuscript in review.
2. **Merrick MA**, Beauregard TA. Temperature Effects of a Novel Iceless Cryotherapy/Thermotherapy Device in Humans. – Data collection complete, abstract presented and manuscript in development.
3. Friedman KM, **Merrick MA**. Technical Communication – The importance of calibrating thermocouple probes and thermocouple thermometers to ensure validity in invasive temperature research. – in development
4. Friedman KM, **Merrick MA**. Surface, subcutaneous and intramuscular temperature responses of Gebauer PainEase vapocoolant applied to the human forearm. – in development
5. **Merrick MA**, Friedman KM. Surface, subcutaneous and intramuscular temperature responses of Gebauer Ethyl Chloride vapocoolant applied to the human forearm. – in development

#### *Published Abstracts*

1. Beauregard TA, Quatman-Yates CC, **Merrick MA**. Current Practices in Acute Musculoskeletal Injury Care: A National Survey of Athletic Trainers. *Journal of Athletic Training* 2021; 56:S-156.
2. Beauregard TA, **Merrick MA**. Current Practices in Acute Musculoskeletal Injury Care: A National Survey of Athletic Trainers. *Journal of Athletic Training* 2020; 55; S-109.
3. **Merrick MA**, Beauregard TA. Temperature Effects of a Novel Iceless Cryotherapy/Thermotherapy Device in Humans. *Journal of Athletic Training*. 2019; 54; S-313.
4. Gillette C, **Merrick M**. The Effect Of Elevation On Intramuscular Tissue Temperature. Book of Abstracts of the Annual Congress of the European College of Sport Sciences. 2016:35.

5. **Merrick MA**, Friedman KM. Comparing Surface, Subcutaneous and Intramuscular Temperature Effects of Gebauer PainEase® and Ethyl Chloride Topical Vapocoolant Products in Human Subjects. *Journal of Athletic Training*. 2014; 48
6. **Merrick MA**, Martin KM. Cold Perception, Surface, Subcutaneous and Intramuscular Temperatures Produced by Gebauer Pain Ease® topical vapocoolant spray. *Journal of Athletic Training*. 2012; 47; S-91.
7. Martin KM, **Merrick MA**. Cold Perception, Surface, Subcutaneous and Intramuscular Temperatures Produced by Gebauer Ethyl Chloride topical vapocoolant spray. *Journal of Athletic Training*. 2012; 47; S-92.
8. McBrier NM, Lekan JM, Druhan LJ, Devor ST, **Merrick MA**. Therapeutic Ultrasound Decreases Mechano-Growth Factor Ribonucleic Acid Expression after Muscle Contusion Injury. *Med Sci Sports Exerc.*: 2007; 39(5 suppl):2816
9. Pester BW, **Merrick MA**, Harris LL, Varekojis SL Validity Of Ambient Temperature and Relative Humidity Measurements Made With A Skyscan™ Thermal Indicator and a Digital Hygrometer Compared To A Sling Psychrometer. *Journal of Athletic Training*. 2006; 41; S-101.
10. McBrier NM, Drunhan LJ, **Merrick MA**, Devor ST. Influence of post-injury ultrasound treatments on muscle specific insulin-like growth factor (MGF). *Med Sci Sports Exerc.*: 2006; 38(5 suppl):2834.
11. Kopischke CA, **Merrick MA**, Harris LL, Clutter JE. Validity of Relative Humidity Measurements Made with a Digital Psychrometer. *Journal of Athletic Training*. 2005; 40:S-44.
12. McBrier NM, **Merrick MA**, Devor ST. The Effects of Ultrasound Delivery Method and Energy Transfer on Skeletal Muscle Regeneration. *Journal of Athletic Training*. 2005; 40:S-50.
13. Seamon CL, **Merrick MA**. A Comparison of Intramuscular Temperature of the Thigh during Treatments with the Grimm CRYOpress and the Game Ready Accelerated Recovery System. *Journal of Athletic Training*. 2005; 40:S-99.
14. **Merrick MA**. Loss of Mitochondrial Oxidative Function Following Blunt Injury in Skeletal Muscle. *Journal of Athletic Training*, 2004;39:S-33.
15. Strang AJ, **Merrick MA**. In vivo Exploration of Glenohumeral Pericapsular Temperature During Cryotherapy. *Journal of Athletic Training*, 2004; 39:S-91.
16. Bernard KD, **Merrick MA**, Devor ST, Williams JM. Identical 3MHz Ultrasound Treatments with Different Devices Produce Different Intramuscular Temperatures. *Journal of Athletic Training*, 2003; 38:S-47.
17. Robinson LE, Devor ST, **Merrick MA**, Buckworth J. Effects of Land Versus Aquatic Plyometrics on Power, Torque, Velocity, and Muscle Soreness in Women. *Medicine & Science in Sports & Exercise*, 2003;35(5):S471.
18. Burns RD, Schiller MR, **Merrick MA**, Wolf KN. Student-athlete perceptions about nutritional supplements and the role of Certified Athletic Trainers in nutritional counseling. *Journal of Athletic Training*, 2002; 37:S-83.
19. Bloomquist CS, Ingersoll CD, Cordova ML, **Merrick MA**. Certified Athletic Trainers' perception, knowledge, and opinion of performance-enhancing supplementation in track and field student-athletes. *Journal of Athletic Training*, 2001; 36:S-84.
20. Brooks J, De La Garza B, Laramie M, Cordova ML, Ingersoll CD, **Merrick MA**. Effect of 5-week ankle brace use on peroneus longus H-reflex and eversion strength. *Journal of Athletic Training*, 2001; 36:S-51.
21. Coehlo MC, **Merrick MA**, Ingersoll CD, Cordova ML. Effects of Backplaster applications on selected variables following delayed onset muscle soreness. *Journal of Athletic Training*, 2001; 36:S-44.
22. Crumley ML, Nowak PA, **Merrick MA**, Ingersoll CD, Stemmans CL. Do ultrasound, active warm-up, and passive motion differ on their ability to cause temperature and range of motion changes? *Journal of Athletic Training*, 2001; 36:S-92.
23. Dorrough JL, Orton KL, Cordova ML, Ingersoll CD, **Merrick MA**. Effects of ankle bracing on rearfoot motion during sudden inversion. *Journal of Athletic Training*, 2001; 36:S-51.
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25. Hayes BT, Sandrey MA, **Merrick MA**, Cordova ML. The differences between 1 MHz and 3 MHz ultrasound in the heating of subcutaneous tissues. *Journal of Athletic Training*, 2001; 36:S-92.
26. Jamison CA, **Merrick MA**, Ingersoll CD, Cordova ML. The effects of post cryotherapy exercise on surface and capsular temperature. *Journal of Athletic Training*, 2001; 36:S-91.

27. Leonard JL, **Merrick MA**, Ingersoll CD, Cordova ML. A comparison of ultrasound intensities on a 10 minute 1.0 MHz ultrasound treatment. *Journal of Athletic Training*, 2001; 36:S-91.
28. Livecchi NM, Stemmans CL, **Merrick MA**, Ingersoll CD. Teacher-centered instruction improves written test performance compared to student-centered instruction but not practical test performance for pre-athletic training majors. *Journal of Athletic Training*, 2001; 36:S-47.
29. Ognibene NE, Ingersoll CD, **Merrick MA**, Edwards JE. Effects of the BreatheRight Strip on nasal cross sectional area, inspiratory volume, heart rate, and ratings of perceived exertion in subjects with self-reported nasal breathing abnormalities. *Journal of Athletic Training*, 2001; 36:S-88.
30. Otte JW, **Merrick MA**, Ingersoll CD, Cordova ML. Subcutaneous adipose tissue thickness changes cooling time during cryotherapy. *Journal of Athletic Training*, 2001; 36:S-91.
31. Serwa J, Rancourt L, **Merrick MA**, Cordova ML, Ingersoll CD. Effect of varying application pressures on skin surface and intramuscular temperatures during cryotherapy. *Journal of Athletic Training*, 2001; 36:S-90.
32. Stone MB, **Merrick MA**, Ingersoll CD, Edwards JE. Ibuprofen and bromelain do not resolve pain or muscle dysfunction following delayed onset muscle soreness. *Medicine & Science in Sports & Exercise*, 2001;33(5):S123
33. Tsukahara M, Ingersoll CD, **Merrick MA**, Ziegler KB. Imagery does not reduce pain during cryotherapy in normal subjects. *Journal of Athletic Training*, 2001; 36:S-44.
34. DeNisco FS, Pickard TM, Manzo GD, **Merrick MA**, Edwards JE, Ingersoll CD. The effect of exercising in a hot environment on power output following short-term creatine supplementation in collegiate football players. *J Athl Training*, 2000; 35:S-87.
35. Fahey S, Smith M, **Merrick MA**, Ingersoll CD, Sandrey MA. A comparison of hydrocortisone cream to powder in increasing intramuscular tissue temperature during phonophoresis treatments. *Journal of Athletic Training*, 2000; 35:S-47.
36. Jutte LS, **Merrick MA**, Ingersoll CD, Edwards JE. The relationship between intramuscular temperature, skin interface temperature, and skin fold measurements during and after cryotherapy. *Journal of Athletic Training*, 2000; 35:S-45.
37. Livecchi NM, Armstrong CW, Cordova ML, **Merrick MA**. Vastus medialis obliques activity during a straight leg raise and knee extension with lateral rotation of the hip. *Journal of Athletic Training*, 2000; 35:S-32.
38. **Merrick MA**, Jutte LS, Smith ME. Intramuscular temperatures during cryotherapy with three different cold modalities. *Journal of Athletic Training*, 2000; 35:S-45.
39. Mihalyov MR, Roethmeier JL, **Merrick MA**, Cordova ML, Ingersoll CD. Intramuscular temperature does not differ between direct ultrasound application and application with commercial gel pads. *Journal of Athletic Training*, 2000; 35:S-47.
40. Shoger M, Nishi Y, **Merrick MA**, Ingersoll CD, Edwards JE. Kinesiotape® does not reduce the pain or swelling associated with delayed onset muscle soreness. *Journal of Athletic Training*, 2000; 35:S-44.
41. Sweeney KB, **Merrick MA**, Ingersoll CD, Swez JA. Therapeutic magnets do not affect tissue temperatures. *Journal of Athletic Training*, 2000; 35:S-43.
42. Rizzo CS, Glover TA, Anderson MJ, Edwards JE, Ingersoll CD, **Merrick MA**. Creatine monohydrate supplementation has no effect on the incidence of skeletal muscle cramping induced through electrically assisted maximal voluntary contractions. *Journal of Athletic Training*, 1999; 34:S-33.
43. **Merrick MA**, Rankin JM, Andres FA, Hinman CL. Cryotherapy inhibits secondary injury in skeletal muscle. *Journal of Athletic Training*, 1998; 33:S-44.
44. **Merrick MA**, Knight KL, Ingersoll CD, Potteiger JA. The effects of ice and compression wraps on intramuscular temperatures at various depths. *Journal of Athletic Training*, 1993; 28:156.
45. Ingersoll CD, Knight KL, **Merrick MA**. Sensory perception following therapeutic applications of heat and cold. *Med Sci Sports Exer*, 1992; 24:471.

#### *Original Research Presentations / Free Communications (Podium & Posters)*

1. Beauregard TA, Quatman-Yates CC, **Merrick MA**. Current Practices in Acute Musculoskeletal Injury Care: A National Survey of Athletic Trainers NATA National Meeting and Clinical Symposium, (virtual) June 2021.

2. Beauregard TA, **Merrick MA**. Current Practices in Acute Musculoskeletal Injury Care: A National Survey of Athletic Trainers. NATA National Meeting and Clinical Symposium, (virtual) June 2020.
3. Beauregard TA, **Merrick MA**. Current Practices in Acute Musculoskeletal Injury Care: A National Survey of Athletic Trainers. Ohio Athletic Trainers Association Meeting and Symposium (Digital). May 2020.
4. Beauregard TA, **Merrick MA**. Current Practices in Acute Musculoskeletal Injury Care: A National Survey of Athletic Trainers. Ohio State University College of Medicine Trainee Research Day Symposium. Columbus, OH April 2020.
5. Beauregard TA, **Merrick MA**. Current Practices in Acute Musculoskeletal Injury Care: A National Survey of Athletic Trainers. Ohio State University Hayes Graduate Research Forum. Columbus, OH March 2020.
6. **Merrick MA**, Beauregard TA. Temperature Effects of a Novel Iceless Cryotherapy/Thermotherapy Device in Humans. NATA National Meeting and Clinical Symposium, Las Vegas NV, June 2019.
7. Gillette C, **Merrick M**. The Effect Of Elevation On Intramuscular Tissue Temperature. Presented at the 21<sup>st</sup> Annual Congress of the European College of Sport Sciences, Vienna, July 2016.
8. **Merrick MA**, Friedman KM. Comparing Surface, Subcutaneous and Intramuscular Temperature Effects of Gebauer PainEase® and Ethyl Chloride Topical Vapocoolant Products in Human Subjects. Presented at the NATA National Meeting and Clinical Symposium, Indianapolis IN, June 2014.
9. **Merrick MA**, Martin KM. Cold Perception, Surface, Subcutaneous and Intramuscular Temperatures Produced by Gebauer Pain Ease® topical vapocoolant spray. Presented at the NATA National Meeting and Clinical Symposium, St. Louis, MO, June 2012.
10. Martin KM, **Merrick MA**. Cold Perception, Surface, Subcutaneous and Intramuscular Temperatures Produced by Gebauer Ethyl Chloride topical vapocoolant spray. Presented at the NATA National Meeting and Clinical Symposium, St. Louis, MO, June 2012.
11. Martin K, **Merrick MA**. Surface, Subcutaneous and Intramuscular Effects of Gebauer Topical PainEase® and Ethyl Chloride Vapocoolant Product in Human Subjects. Presented at the Ohio Athletic Trainers Association Meeting, May 2012.
12. Martin K, **Merrick MA**. Surface, Subcutaneous and Intramuscular Effects of Gebauer Topical PainEase® and Ethyl Chloride Vapocoolant Product in Human Subjects. Presented at the OSU Medical Center Research Trainee Day, April 2012.
13. Martin K, **Merrick MA**. Surface, Subcutaneous and Intramuscular Effects of Gebauer Topical PainEase® Vapocoolant Product in Human Subjects. Presented at the OSU Medical Center Research Trainee Day, April 2011.
14. Martin K, **Merrick MA**. Surface, Subcutaneous and Intramuscular Effects of Gebauer Topical PainEase® Vapocoolant Product in Human Subjects. Presented at the Ohio Athletic Trainers Association Meeting, May 2011.
15. McBrier NM, Lekan JM, Druhan LJ, Devor ST, **Merrick MA**. Therapeutic Ultrasound Decreases Mechano-Growth Factor Ribonucleic Acid Expression after Muscle Contusion Injury. Presented at the ACSM National Meeting, June 2007.
16. Pester BW, **Merrick MA**, Harris LL, Varekojis SL. Validity Of Ambient Temperature and Relative Humidity Measurements Made With A Skyscan™ Thermal Indicator and a Digital Hygrometer Compared To A Sling Psychrometer. Presented at the NATA National Meeting and Clinical Symposium, June 2006.
17. McBrier NM, Drunhan LJ, **Merrick MA**, Devor ST. Influence of post-injury ultrasound treatments on muscle specific insulin-like growth factor (MGF). Presented at the ACSM National Meeting, June 2006.
18. Kopischke CA, **Merrick MA**, Harris LL, Clutter JE. Validity of Relative Humidity Measurements Made with a Digital Psychrometer. Presented at the NATA Annual Meeting and Clinical Symposium, June 2005. – (*Runner-up, NATA Foundation Student Research Awards*).
19. McBrier NM, **Merrick MA**, Devor ST. The Effects of Ultrasound Delivery Method and Energy Transfer on Skeletal Muscle Regeneration. Presented at the NATA Annual Meeting and Clinical Symposium, June 2005.
20. Seamon CL, **Merrick MA**. A Comparison of Intramuscular Temperature of the Thigh during Treatments with the Grimm CRYOpress and the Game Ready Accelerated Recovery System. Presented at the NATA Annual Meeting and Clinical Symposium, June 2005. – (*Winner, NATA Foundation Student Research Awards*).
21. **Merrick MA**. Loss of Mitochondrial Oxidative Function Following Blunt Injury in Skeletal Muscle. Presented at the NATA Annual Meeting and Clinical Symposium, June 2004.

22. Strang AJ, **Merrick MA**. In vivo Exploration of Glenohumeral Pericapsular Temperature During Cryotherapy. Presented at the NATA Annual Meeting and Clinical Symposium, June 2004. – (*Runner-up, NATA Foundation Student Research Awards*).
23. Bernard KD, **Merrick MA**, Devor ST, Williams JM. *Identical 3MHz Ultrasound Treatments with Different Devices Produce Different Intramuscular Temperatures*. Presented at the NATA Annual Meeting and Clinical Symposium, June 2003.
24. Robinson LE, Devor ST, **Merrick MA**, Buckworth J. *Effects of Land Versus Aquatic Plyometrics on Power, Torque, Velocity, and Muscle Soreness in Women*. Presented at the ACSM annual meeting, May 2003.
25. Burns RD, Schiller MR, **Merrick MA**, Wolf KN. *Student-athlete perceptions about nutritional supplements and the role of Certified Athletic Trainers in nutritional counseling*. Presented at the NATA Annual Meeting and Clinical Symposium, June 2002
26. Bloomquist CS, Ingersoll CD, Cordova ML, **Merrick MA**. *Certified Athletic Trainers' Perception, Knowledge, And Opinion Of Performance-Enhancement Supplementation In Track And Field Student-Athletes*. Presented at the NATA Annual Meeting and Clinical Symposium, June 2001
27. Brooks J, De La Garza B, Laramie M, Cordova ML, Ingersoll CD, **Merrick MA**. *Effect Of 5-Week Ankle Brace Use On Peroneus Longus H-Reflex And Eversion Strength*. Presented at the NATA Annual Meeting and Clinical Symposium, June 2001
28. Coehlo MC, **Merrick MA**, Ingersoll CD, Cordova ML. *Effects Of Backplaster Application On Selected Variables Following Delayed Onset Muscle Soreness*. Presented at the NATA Annual Meeting and Clinical Symposium, June 2001
29. Crumley ML, Nowak PA, **Merrick MA**, Ingersoll CD, Stemmans CL. *Do Ultrasound, Active Warm-Up And Passive Motion Differ On Their Ability To Cause Temperature And Range Of Motion Changes?* Presented at the NATA Annual Meeting and Clinical Symposium, June 2001
30. Dorrough JL, Orton KL, Cordova ML, Ingersoll CD, **Merrick MA**. *Effects Of Ankle Bracing On Rearfoot Motion During Sudden Inversion*. Presented at the NATA Annual Meeting and Clinical Symposium, June 2001
31. Fukunaga S, Ingersoll CD, **Merrick MA**, Edwards JE. *Flexibility and Pain Associated With A Stretching Maneuver Are Unchanged When Using Controlled Breathing Techniques*. Presented at the NATA Annual Meeting & Clinical Symposium, June 2001
32. Hayes BT, **Merrick MA**, Cordova ML Sandrey MA. *The Differences Between 1 Mhz & 3 Mhz Ultrasound In The Heating Of Subcutaneous Tissue*. Presented at the NATA Annual Meeting and Clinical Symposium, June 2001
33. Jamison CA, **Merrick MA**, Ingersoll CD, Cordova ML. *The Effects Of Post Cryotherapy Exercise On Surface And Capsular Temperature*. Presented at the NATA Annual Meeting and Clinical Symposium, June 2001
34. Leonard JL, **Merrick MA**, Ingersoll CD, Cordova ML. *A Comparison Of Ultrasound Intensities On A 10 Minute 1.0 Mhz Ultrasound Treatment*. Presented at the NATA Annual Meeting and Clinical Symposium, June 2001
35. Livecchi NM, Stemmans CL, **Merrick MA**, Ingersoll CD. *Teacher-Centered Instruction Improves Written Test Performance Compared To Student-Centered Instruction But Not Practical Test Performance For Pre-Athletic Training Majors*. Presented at the NATA Annual Meeting and Clinical Symposium, June 2001
36. Ognibene NE, Ingersoll CD, **Merrick MA**, Edwards JE. *Effects Of The Breathe Right® Strip On Nasal Cross Sectional Area, Inspiratory Volume, Heart Rate & Ratings Of Perceived Exertion In Subjects With Self-Reported Nasal Breathing Abnormalities*. Presented at the NATA Annual Meeting and Clinical Symposium, June 2001
37. Otte JW, **Merrick MA**, Ingersoll CD, Cordova ML. *Subcutaneous Adipose Tissue Thickness Changes Cooling Time During Cryotherapy*. Presented at the NATA Annual Meeting and Clinical Symposium, June 2001 (*Student Poster Contest Winner*)
38. Serwa J, Rancourt L, **Merrick MA**, Cordova ML, Ingersoll CD. *Effect Of Varying Application Pressures On Skin Surface And Intramuscular Temperatures During Cryotherapy*. Presented at the NATA Annual Meeting and Clinical Symposium, June 2001 (*Student Poster Contest Runner-up*)
39. Stone MB, **Merrick MA**, Ingersoll CD, Edwards JE. *Ibuprofen And Bromelain Do Not Resolve Pain Or Muscle Dysfunction Following Delayed Onset Muscle Soreness*. Presented at the ACSM Annual Meeting, June 2001
40. Tsukahara M, Ingersoll CD, **Merrick MA**. *The use of imagery during cryotherapy on pain perception*. Presented at the ACSM Annual Meeting, June 2001

41. DeNisco FS, Pickard TM, Manzo GD, **Merrick MA**, Edwards JE, Ingersoll CD. *The effect of exercising in a hot environment on power output following short-term creatine supplementation in collegiate football players*. NATA Annual Meeting and Clinical Symposium, Nashville, June 2000.
42. Fahey S, Smith M, **Merrick MA**, Ingersoll CD, Sandrey MA. *A comparison of hydrocortisone cream to hydrocortisone powder in increasing intramuscular tissue temperature during phonophoresis treatments*. NATA Annual Meeting and Clinical Symposium, Nashville, June 2000. (Student Poster Contest Runner-up)
43. Jutte LS, **Merrick MA**, Ingersoll CD, Edwards JE. *The relationship between intramuscular temperature, skin interface temperature, and skin fold measurements during and after cryotherapy*. NATA Annual Meeting and Clinical Symposium, Nashville, June 2000.
44. Livecchi NM, Armstrong CW, Cordova ML, **Merrick MA**. *Vastus medialis obliques activity during a straight leg raise and knee extension with lateral rotation of the hip*. NATA Annual Meeting and Clinical Symposium, Nashville, June 2000.
45. **Merrick MA**, Jutte LS, Smith ME. *Intramuscular temperatures during cryotherapy with three different cold modalities*. NATA Annual Meeting and Clinical Symposium, Nashville, June 2000.
46. Mihalyov MR, Roethmeier JL, **Merrick MA**, Cordova ML, Ingersoll CD. *Intramuscular temperature does not differ between direct ultrasound application and application with commercial gel pads*. NATA Annual Meeting and Clinical Symposium, Nashville, June 2000.
47. Shoger M, Nishi Y, **Merrick MA**, Ingersoll CD, Edwards JE. *Kinesiotape® does not reduce pain or swelling with delayed onset muscle soreness*. NATA Annual Meeting & Clinical Symposium, Nashville, June 2000.
48. Selseth A, Dayton M, Cordova ML, **Merrick MA**, Ingersoll CD. *An EMG analysis of concentric and eccentric muscle contraction during the lateral step-up exercise*. NATA Annual Meeting and Clinical Symposium, Nashville, June 2000.
49. Sweeney KB, **Merrick MA**, Ingersoll CD, Swez JA. *Therapeutic magnets do not affect tissue temperatures*. NATA Annual Meeting and Clinical Symposium, Nashville, June 2000.
50. Rizzo CS, Glover TA, Anderson MJ, Edwards JE, Ingersoll CD, **Merrick MA**. *Creatine monohydrate supplementation has no effect on the incidence of skeletal muscle cramping induced through electrically assisted maximal voluntary contractions*. NATA Annual Meeting & Clinical Symposium, Kansas City, June 1999.
51. **Merrick MA**. *Clinical perspectives and physiological explanations of the use of static, flexible magnets in physical medicine*. Presented to the Electromagnetic Field Research Study Group, Terre Haute Center for Medical Education, Indiana University School of Medicine, October 1998
52. **Merrick MA**, Rankin JM, Andres FA, Hinman CL. *Cryotherapy inhibits secondary injury in skeletal muscle*. Presented (poster) during free-communications at the 49<sup>th</sup> NATA Annual Meeting & Clinical Symposium, Baltimore, June 1998. (Research Poster Contest Runner-up)
53. **Merrick MA**. *A biochemical exploration of secondary injury in skeletal muscle*. Presented at Xavier University Junior Faculty Research Forum. Cincinnati, March 1998.
54. **Merrick MA**. *The effects of ice & elastic wraps on intratissue temperatures at various depths*. Presented (oral) during free-communications at the NATA Annual Meeting & Clinical Symposium, Kansas City, June 1993.
55. Ingersoll CD, Knight KL, **Merrick MA**. *Sensory perception following therapeutic applications of heat and cold*. Presented during free communications at the American College of Sports Medicine Annual Meeting, June 1992.

#### *Extramural Grants & Contracts - Funded*

- Great Minds Fellowship Program. Up to \$2,126,719\*. Ohio Departments of Medicaid (ODM), Mental Health and Addiction Services (OhioMHAS) and Higher Education (ODHE), 2023-2025. (UToledo Coordinator for this State funded initiative). \*final award amount will depend on the number of students who participate
- Merrick MA. Temperatures produced by Therm-X cold/hot therapy device – FDA safety data. \$12,248.84. Zenith Technical Innovations, 2018 (contract)
- Merrick MA. Temperatures produced by Gebauer Vapocoolant Products in Human Subjects. \$41,147. Gebauer Co, 2010 (contract)
- Markert CD, Devor ST, Merrick MA. Exercise and therapeutic ultrasound in muscle regeneration. \$3,835, American College of Sports Medicine, 2003 (Competitive, Published Arch Phys Med Rehabil 2005;86:1304-1310).

- Livecchi NM, Devor ST, Merrick MA. The effects of ultrasound delivery method and energy transfer on skeletal muscle regeneration. \$2,500, National Athletic Trainers' Association – Research and Education Foundation Doctoral Grant, 2003 (Competitive, Results presented summer 2005).
- Merrick MA. An examination of mitochondrial function following crush injury. - \$47,625, National Athletic Trainers' Association – Research and Education Foundation, 2000, (Competitive, Published J Sport Rehabil. 2010; 19:380-388)
- Merrick MA. Intramuscular temperature changes produced by three modes of cryotherapy. \$600, Wet-Cold Peak Performance, 2000, (Non-Competitive, Published J Athl Training 2003;38:28-33)

#### *Additional Extramural Grants Submitted*

- Batey BM, **Merrick MA**, University of Toledo and Bowling Green State University Collaboration - Behavioral Health Workforce Expansion Program. \$2.0M, Ohio Dept. of Higher Education, 2023 (Competitive, In-Review).
- Devor ST, McBrier NM, **Merrick MA**,. *The effects of ultrasound on satellite cell activation and differentiation*. \$32,325 National Athletic Trainers' Association – Research and Education Foundation, 2004 (Competitive, Not Funded)
- Devor ST, **Merrick MA**. *Rehabilitative influence of therapeutic ultrasound treatment on cellular markers of skeletal muscle regeneration following blunt contusion injury*. \$56,525, National Athletic Trainers' Association – Research and Education Foundation, 2001, (Competitive, Not Funded)

## *Professional Leadership & Service*

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### *Journal Editorships and Editorial Boards*

#### **Journal of Athletic Training**

- Associate Editor, 2004 – 2015
- NATA Journal Committee 2004 – 2015
- Editorial board 1992 – present

#### **Journal of Sport Rehabilitation**

- Editorial Board 1999 – 2021
- Theme issue editor – Clinical and Translational Science, 2010

#### **Athletic Therapy Today**

- Editorial board 1998 – 2002
- Research Digest Column Editor, 1998 – 2002

### *Journals & Textbook Manuscript Reviewer*

- Journal Reviewer, Clinical Journal of Sports Medicine, 2013 - present
- Journal Reviewer, Scandinavian Journal of Medicine and Science in Sports, 2009
- Journal Reviewer, Physiotherapy Theory and Practice, 2008 - present
- Journal Reviewer, Sports Medicine, 2007
- Journal Review, Athletic Training Education Journal, 2007
- Journal Reviewer, Neuroscience Letters, 2004
- Journal Reviewer, Archives of Physical Medicine & Rehabilitation, 2003 - present
- Journal Reviewer, Cytokine, 2002
- Journal Reviewer, Medicine & Science in Sports and Exercise, 2002 - present
- Journal Reviewer, British Journal of Sports Medicine, 2002, 2007
- Journal Reviewer, International Journal of Sports Medicine, 2001 - present

- Journal Reviewer, Journal of Orthopedic & Sports Physical Therapy, 2000 – present
- Textbook Reviewer, Slack Incorporated, 2000, 2001
- Textbook Reviewer, F.A. Davis Publishers, 1999 – 2003, 2006
- Journal Reviewer, The Journal of Athletic Training, 1991 – 1992

### *National & Regional Service Activities*

#### **COMMISSION ON ACCREDITATION OF ATHLETIC TRAINING EDUCATION (CAATE) [& predecessors CAAHEP, JRC-AT]**

The Commission is the sole specialty educational accreditor in the field of Athletic Training and has been awarded recognition by the Council for Higher Education Accreditation (CHEA). The CAATE oversaw the accreditation of over 400 Professional Degree, Post-Professional Degree, and Residency non-degree programs at the time of my Presidency.

##### ***Past-President (2017-2018)***

In the official roll of Past-President, I served on the Commission's Executive Committee, advised the current President, and represented the Commission at NATA District meetings presentations and committee meetings. I continued to promote and develop the programs instituted during my Presidency, particularly the internationalization of Athletic Training education and the implementation of both the Master's degree change and the new 2020 Accreditation Standards for Professional Programs. I also continued to work to connect Athletic Training education to the education of other health providers through the Global Forum on Innovation in Health Professions Education through the National Academies of Science, Engineering, and Medicine.

##### ***President (2015-2017)***

The Commission President is elected by vote of the Board of Directors (Commissioners) and at the time of my Presidency, the position was for a 2-year, non-renewable term. The President serves as the Chairperson of the Commissions Board of Directors, conducting the Board's meetings and votes and implementing its decisions. The President also serves as Chair of the Executive Committee, which oversees daily operation of the Commission, its financial affairs and legal status in conjunction with the Executive Director. During my term as President, the CAATE achieved several milestones and I worked closely with the Presidents of the other Athletic Training Strategic Alliance members to strengthen the Alliance and work to promote the future of the profession and to help define the practice of Athletic Training. While I was President, the CAATE became a recognized accreditor by CHEA at the conclusion of a multi-year process initiated by the prior President (Mark Laursen) and I worked to re-structure the commissions committees. With the decision to move the Athletic Training Professional degree to the master's degree level just as I started my term, I oversaw the implementation of this decision including its timeline and incremental steps. Chief among these was vision and oversight of the new Professional Accreditation Standard development process (for the CAATE 2020 Standards) that included incorporation of educational competencies into the standards for the first time and connected them to the IOM Core Competencies for Health Care Providers. I provided a detailed charge to Standard's Committee Chair (Sara Brown) and worked with the committee and Board to oversee the development process and open-comment periods. I served as the public face of the Commission during the tumultuous period of degree transition and standards open comment and led public open forums at the CAATE Accreditation Conference, NATA Educators Conference, and NATA Annual Meetings. I was the liaison between the Board and the Standards and Curricular Content Development committees, working to incorporate feedback from public comments and open forums into a final version of the Standards. The final product of the 2020 Professional Standards and degree change have altered the landscape and future of the profession. Beyond them, I articulated a vision for the future of the Athletic Training profession that included alignment with the core competencies for health care professionals from the IOM, IPEC, and ACGME and worked to move the profession toward realizing this vision. I initiated the AT Strategic Alliance's membership in the National Academy of Science, Engineering, and Medicine's Global Forum on Innovation in Health Professions Education and serve as the Founding AT member of the Forum. I also worked to globalize AT education through the CAATE's co-sponsorship of the 2017 World Congress of Athletic Training and Therapy in Madrid Spain, helping to foster two degree programs in Spain to seek CAATE



Accreditation including visiting both programs and promoting their accreditation with university officials. I also helped initiate the development of international substantial-equivalencies for our accreditation standards and promotion of both Accredited Residency Programs and advanced practice Specialty Certification of Athletic Trainers.

***President Elect – 2014-15***

As President-Elect, I served on the Commission's Executive Committee and represented the Commission at the AT Strategic Alliance, NATA District meetings presentations and committee meetings. I contributed to the Commission's CHEA recognition portfolio and efforts. I also was integral in leading the CAATE internal discussions about the appropriate degree for Athletic Training Professional Education which culminated in the Board's 2015 vote to move this education to the Master's degree.

***Commissioner (nationally elected), 2013 – 2019***

Commissioners are nationally elected by a vote of the accredited programs and serve as the Board of Directors of the accreditor. They make all accreditation decisions for the Commission, oversee its committees, approve its policies, expenditures, and Standards, and elect its officers. In my role as a board member, I lead several major initiatives including chairing the writing group for the CAATE's response document to the newly developed CHEA 2020 standards.

***CHEA Recognition Report Writing Group, Chair 2019-2021, Member 2023-present***

The Council for Higher Education Accreditation (CHEA) identifies itself as "A national advocate and institutional voice for academic quality through accreditation, CHEA is a U.S. association of degree-granting colleges and universities and recognizes institutional and programmatic accrediting organizations." CHEA revised its accreditor recognition policy effective January 2019. I served as the chair of the writing group to compose the CAATE response report outlining our compliance with the new policies.

***Committee Member, Accreditation Councils Development Task Force, 2021-2022***

The CAATE formed its Accreditation Councils Development Task Force to provide guidance for restructuring of the accreditation arm of the Commission as part of a larger re-organization. The task force has been working to organize and implement a structure to create individual Accreditation Councils within CAATE for its professional and residency programs and to broaden and diversify the leadership opportunities in the Commission.

***Accreditation Site Visitor, 2003 – 2013, 2019 - present***

- Site Visit Team Reader: Wayne State University Professional Program, 2019-20
- Site Visit Team Chair: Bridgewater State University Graduate Program, 2012-13
- Site Visit Team Chair: Bridgewater State University Undergraduate Program, 2012-13
- Site Visit Team Chair: Alma College, 2011-2012
- Site Visit Team Chair: Stony Brook University, February 2010
- Site Visit Team Chair: West Virginia University, March 2009
- Site Visit Team Chair: University of Northern Michigan, February 2008
- Site Visit Team Chair: Valdosta State University, February 2005
- Site Visit Team Chair: Winona State University, September 2004
- Site Visit Team Member: California Lutheran University, March 2004
- Site Visit Team Member: Albion College, Albion MI, November 2003
- Site Visit Team Member: Gardner-Webb University, Boiling Springs NC, March 2003

**NATIONAL ACADEMIES OF SCIENCE, ENGINEERING AND MEDICINE - GLOBAL FORUM ON INNOVATION IN HEALTH PROFESSIONS EDUCATION (IPHE), (2015-present)**

***Global Forum in IPHE Member, 2015 - Present***

I serve as a Member of the Global Forum representing the Athletic Training Profession (specifically the Athletic Training Strategic Alliance composed of CAATE, NATA, BOC, NATA Foundation) and was the first Athletic Trainer to serve as a Forum Member. The Global Forum is "an ongoing, convening activity of the National

Academies of Sciences, Engineering, and Medicine that brings together stakeholders from multiple nations and professions to network, discuss and illuminate issues within health professional education. Currently, there are 60 appointed members to the Forum who are academic experts and health professionals representing 19 different disciplines from 8 countries.” The Global Forum on IHPE serves as a think tank whose forum meetings and their published proceedings are influential in setting the direction for Health Professions Education globally. This group epitomizes interprofessionalism and collaboration from many viewpoints coming together to achieve common aims to benefit society.

***IHPE Global Forum Meetings and Proceedings in which I have participated:***

- Educating Health Professionals to Address the Social Determinants of Mental Health
- Revisiting the IOM’s 2003 “Bridge to Quality” Report and revamping the Core Competencies for Health Care Professionals
- Envisioning the Future of Health Professional Education
- Exploring the Role of Accreditation in Enhancing Quality and Innovation in Health Professions Education
- Future Financial Economics of Health Professional Education
- Exploring a Business Case for High-Value Continuing Professional Development
- Improving Health Professions Education and Practice Through Technology
- A Design Thinking, Systems Approach to Well-Being Within Education and Practice
- A Framework for Educating Health Professionals To Address the Social Determinants of Health
- Measuring the Impact of Interprofessional Education on Collaborative Practice and Patient Outcomes
- Exploring the Role of Health Professional Students and Trainees as Members of the Health Workforce (Planning Committee Member and Speaker)
- Assessing the Needs of an Aging Population through Health Professions Education
- Artificial Intelligence in Health Professions Education
- Health Systems Science Education
- [upcoming 3/2024] The Health Professions Admission Process, (Planning Committee Member and potential Speaker)
- [upcoming 10/2024] The Scholarship of Teaching and Learning in Health Professions Education (Planning Committee Member and potential Speaker)

**ASSOCIATION OF SCHOOLS ADVANCING HEALTH PROFESSIONS (ASAHP)**

- Education Committee – 2022 – Present
  - Chair, Online Education Subcommittee – 2022 - Present

**NATIONAL ACADEMIES OF PRACTICE (NAP)**

- Partnerships and Networking Committee – 2023 - Present

**NATIONAL ATHLETIC TRAINERS’ ASSOCIATION (NATA)**

- Executive Committee for Education – Entry Level Degree Working Group (writing sub-group), 2013-2014
- *Journal of Athletic Training* Committee – 2004 – 2012
- Annual Symposium – Coordinator: Modalities Special Interest Group Symposium, 2002, 2003, 2005, 2008
- Annual Symposium – Session Moderator, 1999, 2000, 2002 – 2005, 2007-2010, 2012-15, 2018-2019
- Annual Symposium Program Proposal Reviewer, 2010, 2012-14

**NATA RESEARCH & EDUCATION FOUNDATION (NATAREF)**

- Research Committee (the foundation’s grant review study section), 1999 – 2008
  - Vice-Chair for Grants (study section chair) – 2004 - 2008
  - Vice-Chair for Awards – 2000 - 2004

- Free-Communications Abstract Review Sub-Committee – 2000, 2002–2004
- Student Research Competition Judge, 1999–2004
- External Grant Reviewer, 1998–2004, 2008, 2010-15
- Free-Communications Abstract Reviewer, 1997–2000

#### **BOARD OF CERTIFICATION FOR THE ATHLETIC TRAINER (BOC-ATC)**

- Evidence Based Practice Continuing Education Review Group, 2013 - 2015
- Examiner, NATABOC Certification Exam, 1993, 1997 – 1999

#### **GREAT LAKES ATHLETIC TRAINERS' ASSOCIATION (GLATA - NATA District IV)**

- Educational Programming Task Force, 2005 – 2006
  - Chair, Proposal Development & Review Sub-Committee

#### **OHIO ATHLETIC TRAINERS' ASSOCIATION (OATA)**

- Chair, College & University Sub-committee – 2003 - 2005
- State Settings Committee – 2003 – 2005
- Research Committee – 2003 – 2005
- Annual Symposium
  - Peer to Peer Session Leader, 2004, 2010, 2012-2017
  - Invited Session Speaker, 2018 Keynote Address on the Future of Athletic Training

#### **AMERICAN COLLEGE OF SPORTS MEDICINE**

- Annual Symposium – Session Moderator, 2002 – 2003

### *University & College Level Service*

#### **Senior Leadership Team, University of Toledo, 2020 – present**

The Senior Leadership team is composed of the University's President, Provost, Vice-Presidents, and Deans. The team serves to advise the President, ensure alignment and collaboration, and implement the university's strategic initiatives.

#### **Academic Leadership Team, University of Toledo, 2020 – present**

The Academic Leadership team is composed of the University's, Provost, Vice-Provosts, Deans and Chairs. The team serves to implement the university's academic initiatives and operations.

#### **Strategic Planning Committee, University of Toledo, 2021 – 2023**

The Strategic Planning Committee was charged with creating the university's next strategic plan as the previous plan sunsets. I chaired the working group that created a new Mission, Vision, and Values that guide the creation of the remainder of the plan. In the MVV development process, I led a series of 14 public open forums for faculty, staff, students, medical center employees, alumni, and stakeholders to discuss and refine a vision for the future of the University. The plan, dubbed "UToledo Reimagined: Strategic Plan 2023-2028" is a transformational document aimed at setting the university's trajectory in the changing higher education landscape.

#### **Strategic Reinvestment Committee, University of Toledo, 2020 – 2022**

Beginning with the installation of a new University President, the university created a strategic investment mechanism whereby it set-aside funds for target investments to support institutional quality, growth, and excellence. The Strategic Reinvestment Committee reviewed the proposals seeking these funds and made funding recommendations to the Provost and President.

### **University Retention Committee, University of Toledo, 2020 – present**

The University Retention Committee oversees student success and retention initiatives for the university and guides the Retention Committees of the university's individual colleges.

### **Chair, Search Committee - Dean of Pharmacy & Pharmaceutical Sciences, University of Toledo, 2021 – 2022**

I chaired the search for the next Dean for the College of Pharmacy and Pharmaceutical Sciences that resulted in selection of Pam Heaton as Dean. I partnered with the search committee, college faculty and search coordinator to produce an open and transparent search and successful hire.

### **Parking Monetization Proposal Review Committee, University of Toledo, 2020 – 2021**

This committee reviewed and made recommendations for approval of vendor proposals to monetize the university's parking system and services. This resulted in approval of a public-private partnership that provided \$52.5M in upfront payments to the university as well as a potential for ongoing revenue sharing.

### **IRB Policy Committee, The Ohio State University, 2010 – 2020**

The Institutional Review Board Policy committee is the oversight body for the University's three Institutional Review Boards (Biomedical, Cancer, Behavioral) and is composed of the chairs and vice-chairs of the IRB's, Institutional Officials, key managers in the offices of sponsored programs and research risks protections, and senior researcher stakeholders.

- Biorepository Policy Planning ad hoc committee, The Ohio State University, 2012- 2013
- AAHRPP accreditation site visit planning & on-site visit team

### **Biomedical Sciences Human Subjects IRB, The Ohio State University, 2004 - 2020**

- Vice-Chair, 2010 - 2015
- Expedited Reviewer, 2006 – 2020
- Convened Meeting Reviewer, 2004 - 2020
- IRB Training Workshops & Panel Discussions for OSU Center for Clinical & Translational Science

### **College of Medicine / OSU Wexner Medical Center**

- College Educational Leadership Team (CELT) 2015-2020
- Educational Strategic Planning – Co-Chair for Affordability and Accessibility Initiative, 2017 – 2018
- Sports Medicine Institute Task Force, The Ohio State University Medical Center, 2003 – 2004
- Simulation Technology in Education Committee, The Ohio State University Medical Center, 2006-2008

### **Additional University Service**

- Inter-Professional Education & Practice Collaborative, The Ohio State University, 2015-2020
- Research Presentation Judge, Hayes Graduate Research Forum, 2012 - 2020
- Research Presentation Judge, Ohio State University Medical Center Research Trainee Day, 2011 - 2020
- Research Presentation Judge, Denman Undergraduate Research Forum, 2001 - 2020
- Office of Admissions and First Year Experience: Opening Faculty Speaker, OSU University Undergraduate Orientation, 2005 – 2020
- Departmental Transfer Credit Liaison and Evaluator, 2000 - 2020
- Faculty Host, University Scholar Maximus Competition, Ohio State University, 2001-2009.
- University General Education Council, Indiana State University, 2000
- Search Committee, Executive Director - Office of Sponsored Programs, Indiana State Univ., 1999 – 2000.
- Distance Ed. - Evening & Weekend Programs Grant Writing Committee, Indiana State University, 1998 – 1999

- Human Subjects Committee, The University of Toledo, 1996 - 1997
- Graduate Student Advisory Committee, Indiana State University, 1991 – 1992

#### **School Level Service**

- Executive Committee, The Ohio State University School of Allied Medical Professions / School of Health & Rehabilitation Sciences, 2000 - 2020
- Chair, Search Committee for Director of Health Sciences, The Ohio State University School of Health and Rehabilitation Sciences, 2019
- Student Services Committee, The Ohio State University School of Health & Rehabilitation Sciences 2016-2020
- Faculty Search Committee, HRS representative to Search for Director of Health Information Management & Systems, 2016-2017
- Chair, Appointment, Promotion & Tenure Committee, The Ohio State University School of Health & Rehabilitation Sciences 2014-15
- Appointment, Promotion & Tenure Committee Chair Elect, The Ohio State University School of Health & Rehabilitation Sciences 2013-14
- Faculty Workload Policy Development sub-committee Chair, The Ohio State University School of Allied Medical Professions, 2010-2011
- Faculty Affairs Committee Chair, The Ohio State University School of Allied Medical Professions, 2010-2011
- Faculty Search Committee, SAMP representative to Physical Therapy Search, 2007-2008
- Chair, Search Committee, Asst. Director, School of Allied Medical Professions 2006-2007
- Chair, Faculty Council, The Ohio State University School of Allied Medical Professions, 2006-2007
- Faculty Council Vice-Chair, The Ohio State University School of Allied Medical Professions, 2005-2006
- Honors & Research Committee, The Ohio State University School of Allied Medical Professions, 2003 - 2005
- Faculty Council Secretary, The Ohio State University School of Allied Medical Professions, 2002 – 2004
- Faculty Speaker, School New Student Orientation Program, School of Allied Medical Professions, Ohio State University, 2003 - 2020
- Steering Committee, The Ohio State University School of Allied Medical Professions, 2002 – 2004
- Faculty Affairs Committee, The Ohio State University School of Allied Medical Professions, 2001 – 2003
- Sports Medicine Institute Task Force, The Ohio State University College of Medicine, 2000 - 2002
- Curriculum Committee, The Ohio State University School of Allied Medical Professions, 2000 - 2002, 2007 - 2010
- Recruitment Committee, The Ohio State University School of Allied Medical Professions, 2000 - 2010
- Executive Committee, Indiana State University School of Health & Human Performance, 1999 – 2000
- Faculty Speaker, New-Student Orientation, School of HHP, Indiana State University, 1998 - 2000

#### ***Department / Division Level Service***

- Director, Athletic Training Division, The Ohio State University, 2000 – 2020
- Chair, Athletic Training Division Admissions Committee, 2000 – 2020
- Chair, Athletic Training Division Curriculum Planning Committee, 2000 - 2020
- Faculty Advisor, OSU Athletic Training Quiz Bowl Team, 2001-2002, 2011-12.
- Graduate Program Director, Indiana State University, 2000
- Chair, Faculty Search Committee, Indiana State University, 2000
- Undergraduate Program Director, Indiana State University, 1998 – 2000
- Chair, Undergraduate Curriculum Committee, Indiana State Univ., 1998 – 2000

- Co-Chair, Admissions Committee, Indiana State University, 1998 – 2000
- Honors & Awards Committee, Indiana State University, 1998 – 2000
- Clinical Education Committee, Indiana State University, 1998 – 2000
- Faculty Advisor, ISU Student Athletic Trainers' Association, 1998 - 2000

### *Consultantships*

- R03 – NIAMS, Giatsidis G. University of Massachusetts Medical School. Hypothermic Preservation of Ischemic Limbs in Trauma Care. 2019
- Athletic Training Master's Degree Proposal Review of Louisiana State University for Louisiana Board of Regents, 2018
- Athletic Training Doctoral Program Review, University of Florida, 2018
- R21 - NIAMS, Kelechi T, Medical University of South Carolina. Phase II trial of cold wraps on skin inflammation in chronic venous disease. 2007
- Expert Witness, wrongful death / professional negligence case involving sports medicine, 2008-2009.
- Expert Witness, professional negligence case involving sports medicine, 2005
- Athletic Training Program Accreditation Feasibility Study, Taylor University, Upland Indiana, 1999

### *Other Service*

- HeartBall Executive Committee, American Heart Association – Toledo Chapter, 2021- present
- Mock IRB Panelist, OSU Center for Clinical and Translation Science, 2010-2018
- Faculty Panelist, OSU College of Nursing IPE Seminar, 2012, 2013
- Faculty Panelist, OSU Buckeye Book Community program for all new students, 2009
- Gifted Student Program Advisory Board, Worthington Public School District, 2003 - 2004
- Faculty Panelist, Honors Recruitment Day, Ohio State University, 2003.
- Director, AWANA Sparks Club, Linworth Baptist Church, 2002-2007, 2009-2020
- Coordinator of patient testing, Professional Sports Care Danbury, 1992 – 1994
- Director of employee training, Professional Sports Care Danbury, 1992 – 1994

## *Professional Memberships*

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### *National / International*

- National Athletic Trainers' Association (NATA), 1988 – present
- Association of Schools Advancing Health Professions (ASAHP), 2020 – present
- National Academies of Practice (NAP) – Athletic Training Academy, 2023 - present

### *Regional*

- Mid-West Deans, Association of Schools Advancing Health Professions (ASAHP), 2020 - present
- Great Lakes Athletic Trainers' Assoc. (NATA District 4), 1988 – 1992, 1994 - present
- Eastern Athletic Trainers' Assoc. (NATA District 1), 1992 – 1994

### *State / Local*

- Ohio Athletic Trainers' Association, 1994 – 1998, 2000 - present
- Greater Columbus Athletic Trainers Society, 2000 - 2020
- Indiana Athletic Trainers' Association, 1998 – 2000
- Greater Cincinnati Athletic Trainers' Association, 1997 - 1998
- Connecticut Athletic Trainers' Association, 1992 – 1994

## Other Volunteer Activities

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- Athletic Trainer, Reynoldsburg Soccer Association Alliance Soccer Club (Reynoldsburg OH) 2016-19.
- Athletic Trainer, Ohio State University Men's' Tennis Tournament, 2013
- Athletic Trainer, Girls' Soccer Teams, Gahanna Lincoln High School (Gahanna, OH) 2012 - 15
- Athletic Trainer, Central Ohio Elite Soccer Club (Gahanna, OH) 2012 - 2018
- Athletic Trainer, Gahanna New Albany Renegades Soccer Club (Gahanna, OH) 2011, 2012
- Athletic Trainer, BigTen Women's' Swimming & Diving Championships (Columbus, OH) 2009
- Athletic Trainer, NCAA Division I Women's' Golf Championships (Columbus, OH) 2006
- Athletic Trainer, NCAA Division I Men's' Golf Championships (Columbus, OH) 2002
- Athletic Trainer, NWCA National Wrestling Duals (Columbus, OH) 2002
- Athletic Trainer, Relay for Life, American Cancer Society (Grove City, OH) 2001
- Athletic Trainer, Indiana Special Olympics-Basketball (Terre Haute, IN) 2000
- Athletic Trainer, NIRSA National University Volleyball Championships (Toledo) 1996
- Athletic Trainer, Brian Kozo Benefit Softball Tournament (New Milford, CT) 1994
- Athletic Trainer, The New Milford Connecticut 10-K Road Race, 1994
- Athletic Trainer, Chuck's East Coast Triathlon (Danbury, CT) 1994
- Athletic Trainer, The New York City Marathon, 1992, 1993
- Athletic Trainer, Indiana Special Olympics Summer Games (Terre Haute, IN) 1992
- Athletic Trainer, Ohio Sports Festival (Toledo), 1990
- Athletic Trainer, US Open Volleyball Championships (Toledo), 1989
- Athletic Trainer, US Junior Olympic Volleyball Championships (Toledo) 1989

## Awards & Honors

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### *Distinguished Fellow, National Academies of Practice [Athletic Training Academy] (FNAP), 2022*

Fellowship in NAP is an honor extended to those who have excelled in their profession and are dedicated to furthering interprofessional practice, scholarship and policy in support of interprofessional care. The central purpose of NAP is to advise public policy makers on health care issues using NAP's unique perspective — that of expert practitioners and scholars joined in interprofessional dialogue and advocacy.

### *Nominee for Ohio Athletic Trainers Association Hall of Fame, 2023, 2024*

The OATA Hall of Fame is the highest honor bestowed by the OATA and recognizes outstanding athletic trainers for a lifetime of exceptional service and impact to the Athletic Training community in Ohio.

### *Nominee for the Linda Weber Daniel Outstanding Mentor Award, Ohio Athletic Trainers Association, 2020*

Recognizes a member of the Ohio Athletic Trainers Association for their outstanding mentorship of others through qualities such as love of profession, being a good listener, demonstrating quality character, kindness, and someone who looks for teaching opportunities.

### *Pete Koehneke Award, Commission on Accreditation of Athletic Training Education, 2019*

"The Koehneke award honors an outstanding leader who has made significant, on-going contributions of exceptional value to athletic training education and accreditation over a sustained period of service. Recipients of this award, through their dedication and work, have had a lasting influence on the course of the profession at the national/international level."

***Most Distinguished Athletic Trainer, National Athletic Trainers Association, 2016***

“The Most Distinguished Athletic Trainer award recognizes NATA members who have demonstrated exceptional commitment to leadership, volunteer service, advocacy and distinguished professional activities as an athletic trainer. MDAT exclusively recognizes NATA members who have been involved in service and leadership activities at the national and district level.”

***Outstanding Educator Award, Great Lakes Athletic Trainers Association, 2016***

“Recognizes those members who have significantly contributed to the education of GLATA members through academic presentations, published manuscripts or editorials, educational program development, or other educational activities. Nominees must be active members of the GLATA for at least five (5) years prior to nomination. Nominees must show specific evidence of making a significant educational contribution to the GLATA membership through academic presentations, published manuscripts or editorials, educational program development, or other educational activities.”

***Outstanding Faculty Mentor Recognition, Mortar Board Senior Honor Society, Ohio State University, 2016***

“The Faculty and Staff Recognition was established as a means for senior honor society members to recognize outstanding members of the university community and to acknowledge their extraordinary efforts.”

***Faculty Service Award, Ohio State University School of Health & Rehabilitation Sciences, 2015***

This annual award is for the faculty member of the School of Health & Rehabilitation Sciences who has made the most significant service contributions for the year as determined by open nomination and a vote of the School’s Faculty Recognition Committee. Faculty may earn this award only once every 5 years.

***Fellow, National Athletic Trainers Association (FNATA), 2013***

“The NATA Fellows program recognizes professional achievement in research and/or education, combined with service to the profession. Only the most accomplished scholars in the athletic training profession earn this distinction... Requirements include: 10 years BOC certification, 10 years membership in NATA, doctoral degree holder for seven or more years, attended at least three of the previous five NATA annual meetings”

***Service Award, NATA Research & Education Foundation, 2008.***

Recognized for many years of distinguished service to the Foundation in its Research Committee, Grant Reviews and Free-Communications Programs.

***2<sup>nd</sup> Runner-up, Kenneth L. Knight Outstanding Research Manuscript Award, The Journal of Athletic Training, 2006***

This annual award is for the journal’s outstanding research manuscript and is determined by a vote of the Journal’s Editorial Board. Awards are given to the winner and 1<sup>st</sup> & 2<sup>nd</sup> runners-up. 2<sup>nd</sup> Runner-up Manuscript Title: “The Dual Role of Neutrophils and Macrophages in Inflammation: A Critical Balance Between Tissue Damage and Repair”.

***NATA-REF Student Research Contest – faculty advisor on winning undergraduate poster (Crystal Seamon), 2005***

***NATA-REF Student Research Contest – faculty advisor on Runner-up master’s oral presentation (Catie Kopischke), 2005***

***NATA-REF Student Research Contest – faculty advisor on Runner-up undergraduate poster (Adam Strang), 2004***

***2<sup>nd</sup> Runner-up, Kenneth L. Knight Outstanding Research Manuscript Award, The Journal of Athletic Training, 2003***

This annual award is for the outstanding research manuscript in this journal, determined by a vote of the Journal’s Editorial Board. Awards are given to the winner and 1<sup>st</sup> & 2<sup>nd</sup> runners-up. 2<sup>nd</sup> Runner-up Manuscript Title: “Cold modalities with different thermodynamic properties produce different surface and intramuscular temperatures”.

***Faculty Research Award, Ohio State University School of Allied Medical Professions, 2003***

This annual award is for the faculty member of the School of Allied Medical Professions who has made the most significant research contributions for the year as determined by open nomination and a vote of the School’s Honors & Research Committee. Faculty may earn this award only once every 5 years.



***Clint Thompson Outstanding Non-Research Manuscript Award, The Journal of Athletic Training, 2002***

This annual award is for the outstanding non-research manuscript (i.e. review paper) in this journal and is determined by a vote of the Journal's Editorial Board. Awards are given to the winner and 1<sup>st</sup> & 2<sup>nd</sup> runners-up. Winning Manuscript Title: "Secondary injury after musculoskeletal trauma: a review and update".

***Nominee for the Freddie Fu New Investigator Award, NATA-Research & Education Foundation, 2001-2002***

For outstanding research contributions and potential within 5 years of receiving a doctorate as determined by open nomination and a vote of the Foundation's Research Committee. [This award was formerly the Kevin J. Speer New Investigator Award].

***Outstanding Young Professional Award, Indiana State University Athletic Training Department, 2001***

This annual award is for outstanding contributions to the field by an alumnus within 10 years of graduation as determined by open nomination and a vote of the Department's Athletic Training Alumni Advisory Board

***Nominee for the Kevin J. Speer New Investigator Award, NATA-Research & Education Foundation, 2000-2001***

For outstanding research contributions and potential within 5 years of receiving a doctorate as determined by open nomination and a vote of the Foundation's Research Committee

***NATA-REF Student Research Poster Contest – faculty advisor on winning poster (Jeffrey Otte), 2001***

***NATA-REF Student Research Poster Contest – faculty advisor on Runner-up poster (Jessica Serwa), 2001***

***Nominee for the Kevin J. Speer New Investigator Award, NATA-Research & Education Foundation, 1999-2000***

For outstanding research contributions and potential within 5 year of receiving a doctorate as determined by open nomination and a vote of the Foundation's Research Committee

***NATA-Research & Education Foundation Student Research Poster Contest – faculty advisor on Runner-up poster (Sean Fahey), 2000***

***Manuscript (Merrick et al., Med. Sci. Sports Exerc., 31:1516-21, 1999) selected for inclusion in Mosby-Year Book of Sports Medicine, 2000***

***NATA-Research & Education Foundation Student Research Poster Contest – Runner-up poster, 1998***

***Manuscript (Merrick et al., J Athletic Training., 28:236-245, 1993) selected for inclusion in Mosby-Year Book of Sports Medicine, 1994***

***Outstanding Research Article Award, The Journal of Athletic Training, 1993***

Annual award for the outstanding research manuscript in the Journal, determined by a vote of the Journal's Editorial Board. The name of this award was changed to the "Kenneth Knight Outstanding Research Manuscript Award" in 2001. Manuscript Title: "The effects of ice & compression wraps on intramuscular temperatures at various depths".

***Phi Kappa Phi National Honorary Society, inducted 1992***

A National Honorary for Outstanding Students in All Fields of Study since 1900

***Graduate Academic Scholarship, Indiana State University, 1991 – 1992***

***Magna Cum Laude Latin Honors Graduate, The University of Toledo, 1991***

***Harold C. Tillotson Academic Scholarship, The University of Toledo, 1987 – 1991***

***Ganyard Academic Scholarship, The University of Toledo, 1987 – 1991***

***Greater Akron Kiwanis Association Academic Scholarship, 1987 – 1991***

***Pindy Wagner Academic Scholarship, Summit County Chapter US Bowling Congress, 1987 – 1991***

***Chrysler Foundation Outstanding Citizen Youth Award, 1987***

Awarded to a High School Senior who "displays exemplary citizenship and service to the community"