

Mark Hecimovich, PhD, ATC, LAT  
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 University of Northern Iowa  
 Department of Kinesiology and Athletic Training  
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## Education

Doctor of Philosophy (PhD): Murdoch University, Murdoch, Western Australia, 2012.

Thesis: *Insight into the development of professional self-confidence in health education: a multi-method study involving the development of two original scales grounded in the Rasch measurement model*

Master of Science (MS) in Exercise Science: Concordia University, St Paul, Minnesota, 2024.

Thesis: *Short-term and One-week Follow-up of Dry Needling Effects on Shoulder Range of Motion and Strength with Asymptomatic Individuals*

Master of Science (MS): Minnesota State University, Mankato, Minnesota, 2003.

Thesis: *Youth Sport Specialization*

Doctor of Chiropractic (DC): Northwestern College of Chiropractic, Bloomington, Minnesota, 1990

Bachelor of Science (BS): Northwestern Health Science University, Bloomington, Minnesota, 1996.

## Certifications/ Licensure/Registrations

Certified Athletic Trainer (*NATA Board of Certification BOC #110000*) (ATC) - current

Registered Athletic Trainer (*Minnesota #1580*) (ATR) - current

Licensed Athletic Trainer (*Iowa #078007*) (LAT) – current

Licensed Doctor of Chiropractic (*Iowa #099474*) (DC) - current

Certified Strength and Conditioning Specialist (*National Strength and Conditioning Association #976343*) (CSCS) – current

Mandatory Reporter (Iowa Department of Human Services), 2020-current

CPR/AED (BLS) (American College of Emergency Physicians), 2020-current

National Provider Identifier number (NPI): 1073085098

Certified in Dry Needling Technique (Pro Cert, Total Motion Release, Master Dry Needling Level 1), 2021

IV Therapy (Rutgers University, Biomedical and Health Sciences), 2023

## Employment

University of Northern Iowa, Associate Professor, College of Education, Department of Health, Recreation and Community Services, 2015-current.

Murdoch University, Senior Lecturer, Dean of Learning and Teaching, School of Psychology and Exercise Science, 2005-2015.

Austin Medical Center-Mayo Health Systems, Department of Orthopedics and Rehabilitation. Chiropractor, Certified Athletic Trainer, 2001-2004.

Austin Chiropractic/Sports Injury Center, chiropractor/certified athletic trainer, Austin, Minnesota, 1992-2001

## Publications

1. **Hecimovich M**, Murphy M, Chivers P, Stock P. (2022). Evaluation and utility of the King-Devick with integrated Eye Tracking as a diagnostic tool for Sport-Related Concussion. *The Orthopaedic Journal of Sports Medicine*. 10(12), 23259671221142255 DOI: 10.1177/23259671221142255
2. Shahtahmassebi B, Hattan J, Herbert J, **Hecimovich M**, Correia H, Fairchild T (2022). The effect of the inclusion of trunk-strengthening exercises to a multimodal exercise program on physical activity levels and psychological

- functioning in older adults: Secondary data analysis of a randomized controlled trial. *BMC Geriatrics*. **22**, 738. <https://doi.org/10.1186/s12877-022-03435-3>
3. **Hecimovich M**, King D, Murphy M, Koyama K. (2022). An investigation into the measurement properties of the King-Devick Eye Tracking system. *Journal of Concussion*. doi:10.1177/20597002221082865
  4. Harris S, Dempsey A, Mackie K, King D, **Hecimovich M**, Murphy M (2021). Do sideline tests of vestibular and oculomotor function accurately diagnose sports-related concussion in adults? A systematic review and meta-analysis. *American Journal of Sports Medicine*. <https://doi.org/10.1177/03635465211027946>
  5. King DA, Hume PA, Cummins C, Clark T, Gissane C, and **Hecimovich M** (2019). Head impact exposure comparison between male and female amateur rugby league participants measured with an instrumented patch. *Journal of Sports Medicine and Therapy*, 4: 024-037. <https://doi.org/10.29328/journal.jsmt.1001039>
  6. Shahtahmassebi, Hebert J, **Hecimovich M**, Fairchild T (2019). Trunk Exercise Training Improves Muscle Size, Strength and Function in Older Adults: A Randomized Controlled Trial. *Scandinavian Journal of Medicine & Science and in Sports*. <https://doi.org/10.1111/sms.13415>
  7. **Hecimovich M**, King D, Dempsey A, Gittins M, Murphy M (2018). In situ use of the King-Devick Eye Tracking and changes seen with Sport Related Concussion: Saccadic and blink counts. *Physician and Sportsmedicine*. doi:10.1080/00913847.2018.1525261.
  8. **Hecimovich M**, King D, Dempsey A, Gittins M, Murphy M (2018). Youth Australian Footballers experience similar impact forces to the head as junior- and senior-league players: A prospective study of kinematics measurements. *Journal of Sports Science & Medicine*, 17, 547-556.
  9. **Hecimovich M**, King D, Dempsey A, Murphy M. (2018). The King-Devick test is a valid and reliable tool for assessing Sport-Related Concussion in Australian Football: A Prospective Cohort Study. *Journal of Science and Medicine in Sport*, 21(10): 1004-1007. <https://doi.org/10.1016/j.jsams.2018.03.011>
  10. **Hecimovich M**, King D, Dempsey A, Murphy M. (2018). Head Impact Exposure in Junior and Adult Australian Football Players. *Journal of Sports Medicine*, <https://doi.org/10.1155/2018/8376030>
  11. **Hecimovich M**, Marais I. (2017). Examining the psychometric properties of a sport-related concussion survey: A Rasch measurement approach. *BMC Research Notes*, 10 (28). doi:10.1186/s13104-017-2559-z
  12. **Hecimovich M**, Pomije, M. Harbaugh A. (2017). Comparing lumbopelvic stabilization exercises and yoga on functional stability and low back pain in young, non-elite, female gymnasts. *Physiotherapy and Health Activity*.25:1-8. doi:10.1515/pha-2017-0001.
  13. Shahtahmassebi B, Hebert J, **Hecimovich M**, Timothy J. Fairchild. (2017). Association between trunk muscle morphology, strength, and functional ability in healthy older adults. *Scientific Reports*. 7. doi:10.1038/s41598-017-11116-0
  14. **Hecimovich M**, King D, Garrett T (2017). Accelerometric analysis of head impacts in amateur wrestling: An exploratory analysis. *International Journal of Wrestling Science*, 6 (2):117-126. doi: 10.1080/21615667.2017.1315842
  15. Muller S, Gurisik Y, **Hecimovich M**, Harbaugh G, Vallence AM. (2017) Individual Differences in Short-Term Anticipation Training for High-Speed Interceptive Skill. *Journal of Motor Learning and Development*, 5:160-176. <https://doi.org/10.1123/jmld.2016-0029>
  16. King D, **Hecimovich M**, Clark T Gissane C. (2017). Measurement of the head impacts in a sub-elite Australian Rules football team with an instrumented patch: An exploratory analysis. *International Journal of Sports Science and Coaching*, 12 (3):359-370. doi: 10.1177/1747954117710512.

17. **Hecimovich M**, King D. (2016). Prevalence of head injury and medically diagnosed concussion in junior-level community-based Australian Rules Football. *Journal of Paediatrics and Child Health*, 53 (3):246-251. doi:10.1111/jpc.13405
18. **Hecimovich M**, Hebert JJ. (2016). Reliability and concurrent validity of an alternate method of lateral lumbar range of motion in athletes. *South African Journal of Sports Medicine*, 28 (1):23-26. doi: <http://dx.doi.org/10.17159/2078-516X/2016/v28i1a1414>
19. **Hecimovich M**, King D, Marais I. (2016). Player and parent concussion knowledge and awareness in youth Australian Rules Football. *The Sport Journal*, 24. <http://thesportjournal.org/article/player-and-parent-concussion-knowledge-and-awareness-in-youth-australian-rules-football/>
20. Forrest M, **Hecimovich M**, Dempsey A. (2016). Lumbopelvic muscle activation patterns in adolescent fast bowlers. *European Journal of Sport Science*, 16 (6):677-684. doi: 10.1080/17461391.2015.1135985.
21. **Hecimovich M**, Stomski N. (2016). Lumbar sagittal plane spinal curvature and junior-level cricket players. *International Journal of Athletic Therapy & Training*, 21:47-52. <http://dx.doi.org/10.1123/ijatt.2015-0028>
22. **Hecimovich M**, Peiffer J, Harbough G. (2014). Development and psychometric evaluation of a post exercise exhaustion scale utilising the Rasch measurement model. *Psychology of Sport & Exercise*, 15 (6):569-579. doi: 10.1016/j.psychsport.2014.06.003.
23. Shahtahmassebi B, Hebert J, Stomski N, **Hecimovich M**, Fairchild T. (2014). The Effect of Exercise Training on Lower Trunk Muscle Morphology. *Sports Medicine*, 44 (10):1439-58. doi: 10.1007/s40279-014-0213-7
24. **Hecimovich M**, Styles I, Volet S. (2014). Development and psychometric evaluation of scales to measure professional confidence in manual medicine: a Rasch measurement approach. *BMC Research Notes*, 7:338. doi: 10.1186/1756-0500-7-338.
25. **Hecimovich M**, Volet S. (2014). Simulated learning in musculoskeletal assessment and rehabilitation education: comparing the effect of a simulation-based learning activity with a peer-based learning activity. *BMC Medical Education*, 14:253;14:253. doi: 10.1186/s12909-014-0253-6.
26. **Hecimovich M**, Volet S. (2012). Tracing the evolution of chiropractic students' confidence in clinical and patient communication skills during a clinical internship: A multi-methods study. *BMC Medical Education*, 12:42. doi: 10.1186/1472-6920-12-42.
27. **Hecimovich M**, Volet S. (2011). Development of professional confidence in health education: Research evidence of the impact of guided practice into the profession. *Health Education*, 111 (3):177-197. doi: 10.1108/09654281111123475.
28. **Hecimovich M**, Marie J, Losco B. (2010) Effect of clinician feedback versus video self-assessment in 5th-year chiropractic students on an end-of-year communication skills examination. *Journal of Chiropractic Education*, 24 (2):165-174. <https://doi.org/10.7899/1042-5055-24.2.165>
29. **Hecimovich M**, Volet S. (2009). The importance of building confidence in patient communication and clinical skills among chiropractic students: *Journal of Chiropractic Education*, 23 (2):151-64. <https://doi.org/10.7899/1042-5055-23.2.151>
30. Beck R, Walker B, **Hecimovich M**, Ebrall P, Giuriato. (2009). Learning style changes in chiropractic students moving from academic learning to clinical application. *International Journal of Social Health Information Management*, 2 (1):20-29.
31. **Hecimovich M**. (2004). Sport Specialization in Youth: A Literature Review. *Journal of the American Chiropractic Association*, 41 (4):32-41
32. **Hecimovich M**. (2000). Eyewear Protection. *Journal of Sports Chiropractic and Rehabilitation*, 14 (1):24-26

33. **Hecimovich M.** (1999). Eye Injuries: A Selection of Injuries and Treatment Protocols. *Journal of Sports Chiropractic and Rehabilitation*, 13 (1):1-5.

### Peer-Reviewed Presentations, Abstracts and Posters

#### *Student supervision*

1. Hermsen K, **Hecimovich M** (2022). *Changes in brain oxygenation of rugby players before and after matches and head trauma*. 2022 Iowa Athletic Trainers' Society Meeting in Des Moines, Iowa, USA.
2. Crum A, **Hecimovich M** (2021). *What Phase Of Rehabilitation Is Blood Flow Restriction Plus Rehabilitation Therapy The Most Effective In Lower Extremity Clinical Populations: A Critically Appraised Topic Review*. 2021 Iowa Athletic Trainers' Society Meeting in Des Moines, Iowa, USA.
3. Benedict G, **Hecimovich M** (2021). *Side effects related to androgenic anabolic agents across 18 and under and 18 and over age groups: a critically appraised topic review*. 2021 Iowa Athletic Trainers' Society Meeting in Des Moines, Iowa, USA.
4. Hawe M, **Hecimovich M** (2021). *Immediate and long-term objective neurological effects of single versus multiple concussions in an adult athletic population: a critically appraised topic review*. 2021 Iowa Athletic Trainers' Society Meeting in Des Moines, Iowa, USA.
5. Lillegraven M, **Hecimovich M** (2021). *Evaluation and utility of the King-Devick with integrated eye tracking as a diagnostic for sport-related concussion*. 2021 Iowa Athletic Trainers' Society Meeting in Des Moines, Iowa, USA.
6. Cook S, **Hecimovich M** (2021). *The effects of dry cupping on pain in collegiate-level athletes immediately and 24-hours post treatment*. 2021 Iowa Athletic Trainers' Society Meeting in Des Moines, Iowa, USA.
7. Crum A, **Hecimovich M**, Schrage T. (2020). *Is blood flow restriction plus rehabilitation therapy more effective than standard rehabilitation strengthening in improving muscular hypertrophy, strength, and function in clinical populations: A critically appraised topic*. 2020 Iowa Athletic Trainers' Society Meeting in Des Moines, Iowa, USA.
8. Brockway K, **Hecimovich M**, Schrage T. (2020). *Identifying the relationship between personality, shame, and mental health of college athletes*. Iowa Athletic Trainers' Society Meeting in Des Moines, Iowa, USA.
9. Stock PC, King D, **Hecimovich M**. (2019). *Saccades, fixation activity, blink counts, and SCAT5 in sport-related concussion: a cohort study of men and women's collegiate rugby*. 2019 Iowa Athletic Trainers' Society Meeting in Des Moines, Iowa, USA.
10. Andersen K, Engelhardt M, Roberts N, Stock PC, Wright C, **Hecimovich M**. (2019). *Community youth tackle football, soccer, wrestling, and hockey: A 3-year longitudinal study assessing the reliability and correlation of the King-Devick and Vestibular/Ocular Motor Screen*. 2019 Iowa Athletic Trainers' Society Meeting in Des Moines, Iowa, USA. Nicole Roberts presented at conference.
11. Gillman N, **Hecimovich M**, Dempsey A. (2018) *Current practice of exercise prescription for knee joint osteoarthritis: A sampling of health professionals*. 2018 Sports Medicine Australia Conference. 10 - 13 October 2018, Perth, Western Australia. Nardine Gillman presents at conference.
12. Shahtahmassebi B, **Hecimovich M**, Hebert JJ, Fairchild T. (2017). *The effect of a 12-week supervised multimodal exercise program on trunk muscle strength and functional ability in healthy older adults: A randomized controlled trial*. 10<sup>th</sup> International Congress on Sport Sciences, Tehran, Iran. Abstract presentation by B. Shahtahmassebi.
13. Forrest M, **Hecimovich M**, Dempsey A. (2015). *Lumbopelvic muscle activation patterns in adolescent fast bowlers*. Sports Medicine Australia (WA) State Conference, Busselton, Western Australia. Abstract and poster.

14. Gillman N, Joss B, **Hecimovich M**, Dempsey A. (2014). *The effect of modified clinical exercises on knee joint muscle activation*. 6th Exercise & Sports Science Australia Conference and Sports Dietitians Australia Update: Research to Practice. Adelaide, South Australia. Poster.
15. Shahtahmasebi B, Ebrahimi A, Hashemi A, **Hecimovich, M**, Shahtahmasebi G. (2011). *Study the prevalence and types of Sports injury during floor exercises 8 to 11 years Iranian elite girl artistic gymnasts*. Australian College of Sports Medicine Conference, Perth, Western Australia. Abstract and Poster.
16. **Hecimovich M**, Ta N, Ruchel J, Ng J, Banch L, Perry J. (2010). *Comparative analysis of gait and posture of women with bare feet and high heel shoes: A pilot study*. COCA Scientific Conference. Australia. Poster.
17. **Hecimovich M**, McCarthy S, Navaratne D, Chan J, Choh A (2009). *Investigating the effect of elbow and shoulder angle on the action of the elbow flexors (primarily biceps brachii muscle)*. COCA Scientific Conference, Australia. Poster.

#### **Individual or collaborative research**

18. **Hecimovich M**, King D, Stock P, Dempsey A, Gittins M, Murphy M. (2019). *Kinematic head impacts and subjective responses in youth Australian Footballers*. Mid America Athletic Trainers' Association (MAATA). 28 March 2019. Tulsa, Oklahoma, USA. Payton Stock presented at conference.
19. **Hecimovich M**, King D, Dempsey A, Murphy M. (2018). *The King-Devick test is a valid and reliable tool for assessing Sport-Related Concussion in Australian Football: A Prospective Cohort Study*. Australasian College of Sport and Exercise Physicians (ACSEP). South East Queensland, Queensland, Australia. Myles Murphy presented at conference.
20. Koyama K, **Hecimovich M** (2018). *Motor Skills Training and Social Skills Development in Children with Autism Spectrum Disorder*. 2<sup>nd</sup> International Conference on Special Education. 26-28 October 2018, Rome Italy. Keita Koyama presents at conference.
21. King D, Hume P, Cummins C, Gissane C, Clark T, **Hecimovich M** (2018). *Head Impact Biomechanics: Comparison Between Sports & Genders*. 2018 Sports Medicine Australia Conference. 10 – 13 October 2018, Perth, Western Australia. Dr Doug King is presenting as key note speaker at the conference.
22. **Hecimovich M**, King, Dempsey, Gittins, Murphy. (2018). *In situ use of the King-Devick Eye Tracking and changes seen with youth Sport Related Concussion: Saccadic and blinks counts*. 2018 Sports Medicine Australia Conference. 10 - 13 October 2018, Perth, Western Australia. Mason Gittins presents at conference.
23. **Hecimovich M**, King D, Garrett T. (2017). *Head impacts as a result in amateur wrestling: An exploratory analysis*. International Scientific and Professional Conference on Wrestling, Novi Sad, Serbia. Abstract.
24. **Hecimovich M**, Hebert J. (2015). *Intra-rater reliability and concurrent validity of a tape measure and digital inclinometer measurement method for lateral lumbar range of motion in junior level cricket players*. 5<sup>th</sup> World Congress of Science and Medicine in Cricket, Sydney, Australia. Abstract.
25. **Hecimovich M**, Stomski N. (2015). *Lumbar lordosis and lower back pain in junior cricket bowlers*. 5<sup>th</sup> World Congress of Science and Medicine in Cricket, Sydney Australia. Abstract.
26. **Hecimovich M**. (2013). *Professional self-confidence in health education: A multi-method study using the Rasch measurement model*. Western Australian Institute for Educational Research, Fremantle (Notre Dame University), Western Australia. Presentation.
27. **Hecimovich M**. (2011). *Development and psychometric evaluation of scales to assess patient communication and clinical skill confidence in students using the Rasch Measurement Model*. WFC Biennial International Conference. Rio de Janeiro, Brasil. Presentation
28. **Hecimovich M**. (2006). *Influences on student confidence in the areas of patient communication and application of clinical skills and their possible relationship on ethical issues and professionalism*. WFC Biennial International Conference. Cancun, Mexico. Abstract

### Grants funded/Research funding

1. Sebree J, **Hecimovich M**, Moriarty T. (2023). ADInstruments, PowerLab C competition. ADInstruments, \$10,000 instrument package.
2. **Hecimovich M**, Dempsey A. (2016). Australian Football League, \$11,740. Quantifying Head Trauma in Australian Rules Football 2016.
3. **Hecimovich M**. (2015-2016). Pre-tenure Faculty Grant, \$1,500.00. University of Northern Iowa. Quantifying Head Trauma in Australian Rules Football 2016.
4. **Hecimovich M**, Volet S. (2013). Health Workforce Australia, Clinical Simulation Support Unit, \$9870. Simulated learning in exercise physiology education: Exploring its benefits on the development of clinical skills, confidence and motivation for future learning.
5. **Hecimovich M**. (2013) Western Australia Cricket Association, Talented Athlete Program, \$800. Identifying risk factors between bowling technique and pre-participation assessment and injuries in junior level cricket player.
6. **Hecimovich M**, Dempsey A. (2013). School of Psychology and Exercise Science for additional support of Western Australia Cricket Association, Talented Athlete Program, \$2900.

### Student Research Supervision (or committee member)

1. Zacary Simon (2023-completed). *Effects of Q-Collar on Cognitive and Physical Performance During Cycling Time Trial*. (MS Physical Education: Kinesiology & Sports Performance UNI, thesis), committee member.
2. Faith Oostra and Maxie Saceda-Hurt (2023-completed). *fNIRS and Concussion*. (MAT Athletic Training, non-thesis, data collection plus summary), supervisor.
3. Dillon Bennett (2022-completed). *Attention Deficit Hyperactivity Disorder and Impact on Clinical Decision Making in Athletic Training*. (MA Community Health and Recreation student UNI, non-thesis, Comprehensive Literature Review), Chair
4. Shaun Cook (2022-completed). *The Effects of Dry Cupping on Pain in Collegiate-Level Athletes Immediately and 24-Hours Post Treatment*. (MAT student UNI, non-thesis, Comprehensive Literature Review), Chair.
5. Grayson Benedict (2022-completed). *Side effects related to androgenic anabolic agents across 18 and under and 18 and over age group*. (MAT student UNI, non-thesis, Comprehensive Literature Review), Chair.
6. Mckinley Hawe (2021-completed). *Immediate and long-term objective neurological effects of single versus multiple concussions in an adult athletic population: a critically appraised topic review*. (MAT student UNI, non-thesis Critically Appraised Topic Review), Chair.
7. Mckinley Lillegraven (2021-completed). *Evaluation and utility of the King-Devick with integrated eye tracking as a diagnostic for sport-related concussion: An Evaluation and Review of a Previously Conducted Research Project* (MAT student UNI, non-thesis, Comprehensive Literature and Data Review), Chair.
8. Alex Crum (2019-2021). *What phase of rehabilitation is blood flow restriction plus rehabilitation therapy the most effective in lower extremity clinical populations: A critically appraised topic review* (MAT student UNI, non-thesis, Critically Appraised Topic Review), Chair.
9. Kelli Brockway (2019-2021). Identifying the relationship between personality, shame, and mental health of injured college athletes (MAT student UNI, non-thesis research project), Chair
10. Matthew Frericks (2020 completed). *Clinical Education Learning Environments: Difference Between Actual and Preferred Clinical Experiences of Athletic Training Students* (MS student UNI, Thesis) Committee member.
11. Devin Hasson (2019-2020 completed). *Burnout in Athletic Training* (MS student UNI, non-thesis literature review), Committee member.
12. Abby Steger (2017-2018 completed). *Are psychological skills facilitated by the certified athletic trainer during injury rehabilitation programs in the collegiate athletic setting* (MS student UNI), Committee member.
13. Martha Ann Burton (2018 completed). *Does providing a tactile stimulus through adhesive tape reduce pain and improve balance during early recovery from a lateral ankle sprain?* (MS student UNI), Committee member.
14. Jenna Lynne DeHoet (2018 completed). *Relationship between serious leisure involvement and professional burnout in athletic trainers* (MS student UNI), Committee member.
15. Miranda Pomije (2016-2017 completed). *Effect of core, balance and endurance training on low back pain and functional outcomes in young gymnasts* (MS student UNI), Chair of Committee.

- **Published:** Hecimovich M, Pomije, M. Harbaugh A. (2017). Comparing lumbopelvic stabilization exercises and yoga on functional stability and low back pain in young, non-elite, female gymnasts. *Physiotherapy and Health Activity*.25:1-8. doi:10.1515/pha-2017-0001.
- 16. Behnaz Shahtahmassebi (2011-2017 completed). *The effects of exercise training intervention on trunk muscle morphology and function*. (PhD student, Murdoch University), Co-supervision with Tim Fairchild, Jeff Hebert.
  - **Published:** Shahtahmassebi, Hebert J, **Hecimovich M**, Fairchild T (2019). Trunk Exercise Training Improves Muscle Size, Strength and Function in Older Adults: A Randomized Controlled Trial. *Scandinavian Journal of Medicine & Science and in Sports*. Accepted (27 Feb, 2019). <https://doi.org/10.1111/sms.13415>
  - **Published:** Shahtahmassebi B, Hebert J, Hecimovich M, Timothy J. Fairchild. (2017). Association between trunk muscle morphology, strength, and functional ability in healthy older adults. *Scientific Reports*. 7. doi:10.1038/s41598-017-11116-0
  - **Published:** Shahtahmassebi B, Hebert J, Stomski N, Hecimovich M, Fairchild T. (2014). The Effect of Exercise Training on Lower Trunk Muscle Morphology. *Sports Medicine*, 44 (10):1439-58. doi: 10.1007/s40279-014-0213-7
- 17. Yasmin Gurasik (2015-2016 completed). *Individual Differences in Short-Term Anticipation Training for High-Speed Interceptive Skill* (Honours student, Murdoch University), Co-supervisor with Dr. Sean Muller.
  - **Published:** Muller S, Gurasik Y, Hecimovich M, Harbaugh G, Vallence AM. (2017) Individual Differences in Short-Term Anticipation Training for High-Speed Interceptive Skill. *Journal of Motor Learning and Development*, 5:160-176. <https://doi.org/10.1123/jmld.2016-0029>
- 18. Mitch Forrest (2014-2015 completed). *Lumbopelvic muscle activation patterns in adolescent fast bowlers* (Honours student, Murdoch University). Co-supervisor with Alasdair Dempsey. Awarded First Class Honours.
  - **Published:** Forrest M, Hecimovich M, Dempsey A. (2016). Lumbopelvic muscle activation patterns in adolescent fast bowlers. *European Journal of Sport Science*, 16 (6):677-684. doi: 10.1080/17461391.2015.1135985. Epub 2016 Feb.

#### University Service Grants Awarded and Nominations (UNI)

1. 2023 Co-researcher on the 2022 UNI Capacity Building Grant with Dr. Joshua Sebree (main PI), and Dr. Terence Moriarty (co-PI), \$10,000.
2. 2022 Nominated for the *James F. Lubker Research Award*
3. 2019 UNI Faculty Summer Fellowship, *Development and assessment of a motor skill throwing protocol and device to individuals with Autism Spectrum Disorders*, \$3600.00
4. 2017 COE Faculty Summer Scholarship
5. 2016 Pre-Tenure Faculty Grant Award, *Simulated Learning in Athletic Training*, \$975.00
6. 2016 UNI Faculty Summer Fellowship, *Quantifying Head Trauma in Australian Rules Football*, \$3334.50
7. 2015 Pre-Tenure Faculty Grant, \$1,500.00

#### University Service.

1. University Faculty Senate (College of Education Representative), 2020-current
  - a. COE rep on Ad-Hoc Summer Advisory Committee (May – August 2020)
  - b. Committee on Faculty Governance (Feb 2021-current)
2. University Curriculum Committee, 2020 – 2023
3. Academic Positioning Steering Committee, 2021-2023
4. Search Committee Chair (Chief Academic Nurse Administrator), August 2022
5. University Fall 2021 Classroom Planning Committee (Patrick Pease Chair), 2020
6. Institutional Review Board (IRB) committee, 2019 – 2023
7. University Writing Committee, 2018 - 2019
8. Co-Chair Muslim Student Association (MSA), 2016

#### College of Education Service.

1. College of Education Technology Committee (COE-Tech), 2020-current
2. College of Education Faculty Senate, Fall 2016–2019
3. Faculty Summer Scholarship Selection Committee, Spring 2018
4. Search Committee Chair, Assessment Coordinator, Fall 2018-2019

#### Department of Health, Recreation, and Community Services (HRCS) and Divisional Service (HPELS)

1. Search Committee Chair (Cedar Valley Medical Specialist and UNI Athletic Training collaboration), June 2022
2. SOA coordinator for athletic training undergraduate and graduate programs, 2019-current

3. KAHHS Dimensions of Wellbeing search committee, 2021
4. Web collaboration (Athletic Training): assist in the review and update of your departmental web pages, 2021-current.
5. PAC review subcommittee, 2021-current
6. KAHHS Search Committee for Instructor and Assistant Coordinator for Dimensions of Wellbeing, 2017-2018.
7. Coordinator for Post-Professional Masters in Athletic Training, 2016-2018
8. Dimensions of Well-Being Committee, 2016-current
9. Graduate committee, 2016-current
10. Chair of Athletic Training Faculty Search Committee Spring 2016
11. Graduate Faculty member, 2015-current
12. HPELS Technology Committee, 2015-2016
13. HRCS Task Force, Curriculum Efficiencies, 2018-current
14. HRCS Technology and Research Committee, 2018-current
15. Graduate Education Task Force, 2019-current
16. PAC, assessment sub-committee (Member), Dr Tricia Schrage, 2019, 2021

### **Other Professional Activities**

1. Manuscript Reviewer: *Concussion* (2024), Sport experience and age account for visuomotor performance more than multiple concussion history and sex.
2. Manuscript Reviewer: *Physical Medicine and Rehabilitation* (2024), Soccer (football) injuries in New Zealand: A review of ten years (2010-2020) of Accident Compensation Corporation entitlement claims and costs
3. Manuscript Reviewer: *Physical Therapy in Sport* (2023), Who's keeping score? The effect of a Mercy Rule on head impact rates in Canadian high-school tackle football games
4. Manuscript Reviewer: *Sports Medicine and Health Science* (2022), Match and training injury incidence in rugby league: A systematic review, pooled analysis, and update on published studies
5. Manuscript Reviewer: *Concussion* (2021 spring), The King-Devick Test as an Objective Diagnosis Tool for Concussions in Ice Hockey
6. Manuscript Reviewer: *Physical Therapy in Sport* (Fall 2021), Concurrent Validity of the Vestibular/Ocular Motor Screening (VOMS) Tool with the Dizziness Handicap Inventory (DHI) among Adolescents with Vestibular Symptoms/Impairment following Concussion
7. Manuscript Reviewer: *Journal of Sports Medicine* (2020 fall), *Athletic Training Education Journal*, 2017-current., *Journal of Science and Medicine in Sport*, 2018-current, *Sports Medicine*, 2018-current, *Journal of Neuro-Ophthalmology*, 2019, *Journal of the Neurological Sciences*, 2018-current.
8. Board of Certification (NATABOC), item writer, 2019-current

### **Continuing Education (Educational courses only. Does not include professional certification/license requirements)**

1. Summer 2024 Grant Writing Workshop (UNI), June 2024

### **Professional Offices and Organizations**

1. National Athletic Trainers Association (NATA), 2000-current
2. Iowa Athletic Trainers Society (IATS), 2015-current
3. Iowa Athletic Trainers Society (IATS), abstract judge for annual conference, 2019 - 2023
4. Iowa Athletic Trainers Society (IATS), chair of committee for research abstracts for annual conference, 2021 - 2023
5. Iowa Chiropractic Society (ICS), 2020-current
6. Brain Injury Alliance Iowa (BIAI), 2021-current
7. Rugby Codes Research Group (RCRG), 2017-current
8. HeadsafeIP advisory panel on concussion, 2017-current
9. International Network of Wrestling Researcher (INWR), 2018-current
10. Iowa Athletic Trainers Society (IATS) Annual Meeting Committee, 2020-current

### **Noteworthy Professional Experience**

1. United States Olympic Training Center, Colorado Springs, Colorado, 2004.
2. 2004 Summer Olympics. Athens, Greece, 2004.
3. 6<sup>th</sup> All-Africa Games, Harare, Zimbabwe, 1995.
4. 7<sup>th</sup> All-Africa Games, Johannesburg, South Africa, 1999.