Thomas A. Buckley, Ed.D., ATC

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Educational Background

Doctor of Education Columbia University, Teachers College

• Major: Applied Physiology; February 2007

<u>Dissertation</u>: Dynamic Postural Stability during Sit-to-Walk Transitions in Patients

with Parkinson Disease.

Dissertation Chair: Chris Hass, Ph.D.

Master of Science Indiana State University

Major: Athletic Training; August 1997
 Magna Cum Laude Thesis: The Effect of Russian Stimulation, Isotonic Exercise, and Russian Stimulation with Isotonic Exercise on the Peak Muscular Force of the Quadriceps.
 Thesis Chair: Susan Bleggi, Ph.D.

Bachelor of Science Springfield College

• Major: Athletic Training; December 1995 Magna Cum Laude

Associate of Science Dean Junior College

• Major: Sports, Fitness, Leisure Studies; May 1993 High Honors

Academic Appointments

Associate Professor of Athletic Training. 2017 – Current

Assistant Professor of Athletic Training. 2014 – 2017 (Tenure & Promotion: 2017)

University of Delaware, Newark, DE.

Associate Professor of Athletic Training. 2011 – 2014

Assistant Professor of Athletic Training. 2007 – 2011 (Tenure & Promotion: 2011)

Georgia Southern University, Statesboro, GA.

Assistant Professor of Athletic Training. 2001 – 2007 **Adjunct Lecturer, Physical Therapy**. 2003 – 2005

Dominican College, Orangeburg, NY

CAATE Accredited Athletic Training Program CAPTE Accredited Physical Therapy Program

Adjunct Lecturer, Physical Education. 1998 – 2001

City University of New York (CUNY) at Hunter College, Manhattan, NY.

Refereed Scholarly Publications Summary

Published Manuscripts (ORCID #: 0000-0002-0515-0150)

- 151. Caccese JB, Bryk KN, Porfido T, Bretzin AC, Peek K, Kaminski TW, Kontos AP, Chrisman SPD, Putukian M, **Buckley TA**, Broglio SP, McAllister TW, McCrea MA, Pasquina PF, Esopenko C. Cognitive and behavioral outcomes in male and female NCAA soccer athletes across multiple years: A CARE Consortium study. *Medicine and Science in Sports Medicine*. Epub Oct 26, 2022. Available at: https://pubmed.ncbi.nlm.nih.gov/36288576/
- 150. Valerio K, Kontos A, **Buckley TA**, Garcia G, Port N, Broglio SP, McAllister TW, McCrea M, Pasquina PF, Hayes J. Primary and secondary risk factors associated with concussion symptom clusters in collegiate athletes: Results from the NCAA-DoD Grand Alliance CARE Consortium. *Orthopedic Journal of Sports Medicine*. Accepted September 26, 2022.
- 149. Caccese JB, Garcia GGP, Kontos AP, Port N, Valerio K, Broglio SP, McCrea M, McAllister TW, Pasquina PF, **Buckley TA**. Test-Retest Reliability and Efficacy of Individual Symptoms in Concussion Management. *Clinical Journal of Sports Medicine*. Accepted September 14, 2022.
- 148. Whelan BM, Gause EL, Ortega JD, Millis BM, Schmidt JD, Kaminski TW, Buckley TA, Breedlove KM, Kontos AP, Clugston JR, Goldman JT, Harmon KG, McCrea MA, McAllister TW, Broglio SP, Chrisman SPD. King-Devick Testing and Concussion Recovery Time in Collegiate Athletes. *Journal of Science and Medicine in Sport*. Epub August 27, 2022. Available at: https://www.sciencedirect.com/science/article/pii/S1440244022002237
- 147. **Buckley TA**, Bryk KN, Hunzinger KJ, Costantini K. National Collegiate Athletic Association Athletic Trainers' Response to the Arrington Settlement: Management, Compliance, and Practice Patterns. *Physician and Sports Medicine*. Epub August 26, 2022. PMID: 36026565

 Available at: https://pubmed.ncbi.nlm.nih.gov/36026565/
- 146. Lynall RC, D'Lauro CD, Kerr ZY, Knight K, Kroshus E, Leeds DD, Register-Mihalik JK, McCrea M, Broglio SP, McAllister TW, Schmidt JD, Hazzard J, Kelly L, Master C, Ortega J, Port N, Campbell D, Svoboda SJ, Putukian M, Chrisman SPD, Clugston JR, Langford D, McGinty G, Cameron KL, Houst MN, Susmarski AJ, Goldman JT, Giza C, Benjamin H, Buckley TA, Kaminski TW, Feigenbaum L, Eckner JT, Mihalik JP, Anderson S, McDevitt J, Kontos A, Brooks MA, Rowson S, Miles C, Linter L, O'Donnell. Optimizing Concussion Care Seeking: The Influence of Previous Concussion Diagnosis Status on Baseline Assessment Outcomes. *American Journal of Sports Medicine*. 50(12): 3406 3416, 2022. PMID: 35998010.

- 145. **Buckley TA**, Chandran AA, Mauntel TC, Kerr ZY, Brown D, Blotz A, Herman DC, Hall EE, Lyanll RC. Post-Concussion Lower Extremity Musculoskeletal Injuries in Collegiate Student-Athletes. *American Journal of Sports Medicine*. Available at: https://journals.sagepub.com/doi/10.1177/03635465221125155
- 144. Arbogast K, Caccese JB, **Buckley TA**, McIntosh AS, Henderson K, Stemper BD, Solomon G, Broglio SP, Funk JR, Crandell JR. Consensus Head Acceleration Measurement Practices (CHAMP): Origins, Methods, Transparency, and Disclosure. *Annals of Biomedical Engineering*. Epub August 3, 2022. PMID: 35920964. Available at: https://pubmed.ncbi.nlm.nih.gov/35920964/
- 143. **Buckley TA**, Bryk KN, Enrique AL, Kaminski TW, Hunzinger KJ, Oldham JR. Clinical Mental Health Measures Do Not Predict Post-Concussion Musculoskeletal Injury. *Journal of Athletic Training*. Epub July 6, 2022. PMID: 35788664. Available at: https://pubmed.ncbi.nlm.nih.gov/35788664/
- 142. Broglio SP, Perkins SM, Riggen L, Stemper BD, Shah A, McAllister TW, McCrea M, CARE Consortium Investigators (**Buckley TA**). Spring Football Concussion Rates Mimic the Preseason: Findings from the CARE Consortium. *Journal of Athletic Training*. Epub June 22, 2022. PMID: 35724362 Available at: https://pubmed.ncbi.nlm.nih.gov/35724362/
- 141. Moody JN, Hayes JP, Buckley TA, Schmidt JD, Broglio SP, McAllister TW, McCrea M, Pasquina PF, Caccese JB, CARE Consortium Investigators. Age of First Concussion and Cognitive, Pyschosocial, and Physical Outcomes in NCAA Collegiate Student Athletes. Sports Medicine. Epub July 6, 2022. Available at: https://pubmed.ncbi.nlm.nih.gov/35794432/
- 140. **Buckley TA**. Brown S, Hunzinger KJ, Kaminski TW, Swanik CB. Concussion is Not Associated with Elevated Rates of Musculoskeletal Injuries in National Football League Players. *The Physician and Sports Medicine*. Accepted May 18, 2022. Available at: https://pubmed.ncbi.nlm.nih.gov/35591786/ PMID: 35591786.
- *Oldham JR, Meehan WP, Howell DR, Crenshaw JR, Caccese JB, Knight CA, Lanois C, Berkstresser B, Wang F, **Buckley TA**. No Association Between Collision Sport Career Duration and Gait Performance in Male Collegiate Student-Athletes. *American Journal of Sports Medicine*. 50(9):2526 -2533. 2022. PMID: 35736366.
- 138. DiFabio MS, Breedlove KM, **Buckley TA**, Johnson CL. Relationships between Aggression, Sensation Seeking, Brain Structure, and Head Impact Exposure: Implications for Head Impact Prevention in Ice Hockey. *Brain and Behavior*. 12(7): e2627, 2022. PMID: 35620849.

- 137. DiFabio MS, Smith DR, Breedlove KM, Pohlig RT, **Buckley TA**, Johnson CL. Altered Brain Functional Connectivity in the Frontoparietal Network following an Ice Hockey Season. *European Journal of Sport Science*. Epub April 25, 2022. Available at: https://pubmed.ncbi.nlm.nih.gov/35466861/ PMID: 35466861.
- 136. Eagle SR, Asken B, Trbovich A, Houck ZM, Bauer RM, Clugston JR, Broglio SP, McAllister TW, McCrea MA, Pasquina P, Collins MW, Kontos AP, CARE Consortium Investigators (**Buckley TA**). Estimated Duration of Continued Sport Participation Associated with Poor Outcomes Following Concussion: An NCAA-DoD CARE Consortium Study. *Sports Medicine*. 52(8): 1991 2001. PMID: 35286616
- 135. Chou TY, Caccese JB, Huang YL, Glutting JJ, **Buckley TA**, Broglio SP, McAllister TW, McCrea MA, Pasquina PF, Kaminski TW. Effects of Pre-Collegiate Sport Specialization on Cognitive, Postural, and Psychological Functions: Findings from the NCAA-DoD CARE Consortium. *International Journal of Environmental Research and Public Health*. 19(2335), 2022. PMID: 35206522
- 134. Gunn BS, McAllister TW, McCrea MA, Broglio SP, Moore RD, CARE Consortium Investigators (**Buckley TA**). Neurodevelopmental Disorders and Risk of Concussion: Findings from CARE Consortium. *Journal of Neurotrauma*. 39(5-6): 379 389. 2022. PMID: 35018818
- 133. Radzak KN, Hunzinger KJ, Costantini KM, Swanik CB, **Buckley TA**. Concussion Knowledge and Attitudes in Reserve Officers' Training Corps Cadets. *Military Medicine*. Epub December 16, 2021. PMID: 34915567 Available at: https://pubmed.ncbi.nlm.nih.gov/34915567/
- 132. Le R, Ortega J, Chrisman SP, Kontos AP, Buckley TA, Kaminski TW, Meyer B, Clugston JR, Goldham J, McAllister TW, McCrea M, Borglio SP, Schmidt J. King-Devick Sensitivity and Specificity to Concussion in Collegiate Athletes. *Journal of Athletic Training*. Epub October 31, 2021. PMID: 34709396 Available at: https://pubmed.ncbi.nlm.nih.gov/34709396/
- 131. **Buckley TA**, Munkasy BA, Evans KM, Clouse B. Acute Physical and Mental Activity Influence on Concussion Recovery. *Medicine and Science in Sports and Exercise*. 54(2): 307 312. 2022. PMID: 34559729
- 130. Broglio SP, McAllister T, Katz BP, LaPradd M, Zhou W, McCrea MA, CARE Consortium Investigators (**Buckley TA**). The Natural History of Sport-Related Concussion in Collegiate Athletes: Findings from the NCAA-DoD CARE Consortium. *Sports Medicine*. 52(2): 403 415, 2022. PMID: 34427877

- 129. Eagle S, Ferris L, Mucha A, Sinnott A, Matchetti G, Trbovich AM, Port N, Clugston JR, Collins M, Broglio SP, McAllister TW, McCrea M, Pasquina P, Kontos AP, **Buckley TA**, Mihalik JP, Miles C. Minimum Detectable Change and False Positive Rates of the Vestibular/Ocular Motor Screening (VOMS) Tool: An NCAA-DoD CARE Consortium Analysis. *Brain Injury*. 35(13):1563–1568. 2021
- 128. Caccese JB, Schmidt JD, Moody JN, Broglio SP, McAllister TW, McCrea M, Pasquina PF, **Buckley TA**. Association Between Sports Participation History and Age of First Exposure to High-Risk Sports with Concussion History. *Research in Sports Medicine*. Epub August 17, 2021. PMID: 34402703

 Available at: https://pubmed.ncbi.nlm.nih.gov/34402703/
- 127. Lempke LB, Lynall RC, Anderson MA, McCrea MA., McAllister TW, Broglio SP, Schmidt JD, CARE Consortium Investigators (**Buckley TA**). Optimizing Order of Administration for Concussion Baseline Assessment Among NCAA Student-Athletes and Military Cadets. *Sports Medicine*. 52(1): 165 1786, 2022. PMID: 34129221.
- 126. Murray NG, Moran R, Islas A, Pavilionis P, Szekely B, Alphonsa S, Howell DR, **Buckley TA**, Cipriani D. Athletes With Sport-Related Concussion Adopt a More Conservative Approach to Straight Path Walking and Turning During Tandem Gait. *Journal of Clinical and Translational Research*. 7()4):443 449. 2021.
- 125. Kontos AP, Eagle SR, Marchetti G, Sinnott A, Mucha A, Port N, Ferris LM, Elbin RJ, Clugston J, Ortega J, Broglio SP, McAllister T, McCrea M, Pasquina P, Brooks A, Buckley TA, Mihalik J, Miles C, Collins MW. Discriminative Validity of Vestibular Ocular Motor Screening in Identifying Concussion Among Collegiate Athletes: A National Collegiate Athletic Association—Department of Defense Concussion Assessment, Research, and Education Consortium Study. American Journal of Sports Medicine. 49(8): 2211 2217. 2021 PMID: 3397240.
- 124. *DiCerchio LC, Oldham JR, Glutting JJ, Kaminski TW, **Buckley TA**. Repeat Administration, but not Fatigue, Adversely Affects King Devick Performance. *Athletic Training and Sports Health Care*. 13(6): 395 401, 2021.
- 123. Garcia GGP, Schumb CM, Lavieri MS, Koffijberg H, McAllister TW, McCrea MA, Broglio SP, CARE Consortium Investigators (**Buckley TA**). Developing Insights for Possible and Probable Acute Concussions Using Cluster Analysis. *Journal of Neurotrauma*. 39(1-2): 102 113. 2022. PMID: 33677994.
- 122. Caccese JB, Santos FV, **Buckley TA**, Jeka JJ. Persistent Visual and Vestibular Impairments for Postural Control Following Concussion: A Cross-Sectional Study in University Students. *Sports Medicine*. 51(10): 2209 2220. 2021.

- 121. *Hunzinger KJ, Caccese JB, Costantini KM, Swanik CB, **Buckley TA**. Age of First Exposure to Collision Sports Does Not Affect Patient Reported Outcomes in Women and Men Community Rugby Players. *Medicine and Science in Sports and Exercise*. 53(9): 1895 1902. 2021. PMID: 33731652.
- 120. Van Pelt KL, Caccese JB, Eckner JT, Putukian M, Brooks A, Cameron KL, Houston MN, Posner MA, Jackson JC, McGinty GT, Hillis CJ, McAllister TW, McCrea MA, Broglio SP, Buckley TA. Detailed description of Division I Ice Hockey Concussions: Findings From the NCAA and Department of Defense CARE Consortium. *Journal of Sport and Health Sciences*. 10(2): 162 171, 2021. PMID: 33453430.
- *Caccese JB, Iverson GL, Hunzinger KJ, Asken BM, Clugston JR, Cameron KL, Houston MN, Svoboda SJ, Jackson JC, McGinty GT, Estevez CA, Susmarski AJ, Bryk K, Brolgio SP, McAllister TW, McCrea M, Pasquina PF, Buckley TA. Factors Associated with Symptom Reporting in U.S. Service Academy Cadets and NCAA Student Athletes without Concussion: Findings from the CARE Consortium. Sports Medicine. 57(5): 1087-1105, 2021 PMID: 33428120.
- 118. Lempke LB, Lynall RC, Le RK, McCrea M, McAllister T, Broglio SP, Schmidt JD, CARE Consortium Investigators (**Buckley TA**). The Effects of On-Field Heat Index and Altitude on Concussion Assessments and Recovery Among NCAA Athletes. *Sports Medicine*. 51(4): 825-835. 2021. PMID: 33332015.
- 117. Czerniak LL, Liebel SW, Garcia GGP, Lavieri MS, McCrea MA, McAllister TW, Broglio SP, CARE Consortium Investigators (**Buckley TA**). Sensitivity and Specificity of Computer Based Neurocognitive Tests in Sports Related Concussion: Findings from the NCAA-DoD CARE Consortium. *Sports Medicine*. 51(2): 351 365. 2021. PMID: 33315231.
- 116. Harrison AT, McAllister T, McCrea MA, Broglio SP, CARE Consortium Investigators (Buckley TA). Recovery Profiles Following Concussion Among Make Student-Athletes and Service Cadets with a Family History of Neurodegenerative Disease: Data from the NCAA-DoD CARE Consortium. *Journal of Neurotrauma*. 38(4): 485 492, 2021. PMID: 33280495.
- 115. Caccese JB, Eckner JT, Franco-MacKendrick L, Hazard JB, Ni M, Broglio SP, McAllister TW, McCrea MA, Pasquina PF, Buckley TA. Interpreting clinical reaction time change and recovery after concussion: a baseline versus normative-based cutoff score comparison. *Journal of Athletic Training*. 56(8): 851 859. 2021. PMID: 33351902.
- 114. Liebel SW, Van Pelt KL, Garcia GGP, Czerniak LL, McCrea MA, McAllister TW, Broglio SP, CARE Consortium Investigators (Buckley TA). The Relationship Between Sport Related Concussion and Sensation Seeking. *International Journal of Molecular Sciences*. 2020. Nov 30, 2020.

- Master CL, Katz B, Arbogast K, McCrea M, McAlliser T, Pasquina P, LaPradd M, Zhou WX, Broglio SP, CARE Consortium Investigators (Buckley TA). Differences in Sport-related Concussion for Females and Males in Comparable Collegiate Sports: A Study from the NCAA-DoD Concussion Assessment, Research and Education (CARE) Consortium. British Journal of Sports Medicine. 55(24): 1387 1394, 2021. PMID: 33355211.
- 112. Sharma TL, Kerrigan JM, McArthur DL, Bickart K, Broglio SP, McAllister TW, McCrea M, Giza CC, CARE Consortium Investigators (**Buckley TA**). Flying After Concussion and Symptom Recovery in College Athletes and Military Cadets. *JAMA Network Open.* 3(11). 2020. PMID: 33175176.
- *DiFabio MS, **Buckley TA**. Effectiveness of a Computerized Cognitive Training Program for Reducing Head Impact Kinematics in Youth Ice Hockey Players. *International Journal of Exercise Science*. 14(1): 149-161, 2021.
- 110. Castellanos J, Perng Phoo C, Eckner JT, Franco L, Broglio SP, McCrea M, McAllister T, Wiens J, CARE Consortium Investigators (Buckley TA). Predicting Risk of Sport-Related Concussion in Collegiate Athletes and Military Cadets: A Machine Learning Approach Using Baseline Data from the CARE Consortium Study. Sports Medicine. 51(5): 567 579. 2021. PMID: 33368027.
- 109. *Hunzinger KJ, Costantini KM, Swanik CD, **Buckley TA**. Diagnosed Concussion is Associated with Increased Risk of Lower Extremity Injury in Community Rugby Players. *Journal of Science and Medicine in Sport*. 24(4): 368 372. 2021.
- 108. *Hunzinger KJ, Radzak KN, Costantini KM, Swanik CB, **Buckley TA**. Concussion History Is Associated with Increased Lower-Extremity Injury Incidence in Reserve Officers' Training Corps Cadets. *BMJ Military Health*, Epub Nov 10, 2020. PMID; 33122400
- 107. Bonke EM, Southard J, **Buckley TA**, Reinsberger C, Koerte IK, Howell DR. The Effects of Repetitive Head Impacts on Postural Control: A Systematic Review. *Journal of Science and Medicine in Sport*. 24(3): 247 257, 2021. PMID: 32948449.
- 106. Brett BL, Kramer MD, McCrea MA, Broglio SP, McAlister TW, Nelson LD, Hazzard JB, Kelly LA, Ortega J, Port N, Pasquina PF, Jackson J, Cameron KL, Houston MN, Goldman JT, Giza CC, Buckley TA, Clugston JR, Schmidt JD, Feigenbaum LA, Eckner JT, Master CL, Collins MW, Kontos AP, Chrisman SPD, Duma SM, Miles CM, Susmarski A. Bifactor Model of the Sport Concussion Assessment Tool Symptom Checklist: Replication and Invariance Across Time in the CARE Consortium Sample. American Journal of Sports Medicine. 48(11): 2783 2795. 2020. PMID: 32809856.

- 105. Koerte IK, Esopenko C, Hinds SR, Shenton ME, Bazarian JJ, Bonke E, Bigler ED, **Buckley TA**, Choe M, Gill J, Giza CC, Hidges CB, Irimia A, Kenney K, Levin HS, Lin A, Lindsey HM, Max JE, Mayer AR, Meier TB, Merchant-Borna K, Mills BD, Porfido T, Ware AL, Zeineh MM, Thompson PM, Tate DF, Dennis EL, Wildre EA, Baron D. The ENIGMA Sports Injury Working Group: An International Collaboration to Further our Understanding of Sports Related Brain Injury. *Brain Imaging and Behavior*. 15(2): 576 584, 2021. PMID: 32720179.
- 104. **Buckley TA**, Murray NG, Munkasy BA, Oldham JR, Evans KM, Clouse B. Impairments in Dynamic Postural Control Across Concussion Clinical Milestones. *Journal of Neurotrauma*. 38(1): 86 93. 2021. PMID: 32674657.
- 103. Schmidt JD, Weber-Rawlins ML, Lynall RC, D'Lauro C, Clugston JR, McAllister TW, McCrea MA, Broglio SP, CARE Consortium Investigators (Buckley TA). Medical Disqualification Following Concussion in Collegiate Student-Athletes: Findings from the CARE Consortium. Sports Medicine. 50(10): 1843 1855. 2020 PMID: 32557231.
- 102. Garcia GGP, Yang J, Lavieri MS, McAllister TW, McCrea MA, Broglio SP, CARE Consortium Investigators (**Buckley TA**). Optimizing Components of the Sport Concussion Assessment Tool for Acute Concussion Assessment. *Neurosurgery*. 87(5): 971 981. 2020. PMID: 32433732.
- 101. Whitney SL, Eagle SR, Marchetti G, Mucha A, Collins MW, Kontos AP, CARE Consortium Investigators (**Buckley TA**). Association of Acute Vestibular/Ocular Motor Screening Scores to Prolonged Recovery in Collegiate Athletes Following Sports Related Concussion. *Brain Injury*. 34(6): 840–845. 2020. PMID:32315218.
- 100. *Oldham JR, Howell DR, Knight CA, Crenshaw JR, **Buckley TA**. Gait Performance Is Associated with Subsequent Lower Extremity Injury following Concussion. *Medicine and Science in Sports and Exercise*. 52(11): 2279 2285. 2020. PMID: 33064402.
- 99. Brett BL, Breedlove K, McAllister TW, Broglio SP, McCrea MA, Hoy AM, Hazzard JB, Kelly LA, Port N, Putukian M, Pasquina P, Jackson J, McGinty G, O'Donnell P, Cameron KL, Houston MN, Giza CC, Benjamin HJ, **Buckley TA**, Clugston JR, Schmidt JD, Feigenbaum LA, Mihalik JP, Guskiewicz KM, Anderson S, Master CL, Collins MW, Kontos AP, Chrisman SPD, Brooks MA, Rowson S, Miles CM, Susmarski A. Investigating the Range of Symptom Endorsement at Initiation of a Graduated Return-to-Play Protocol After Concussion and Duration of the Protocol: A Study from the National Collegiate Athletic Association—Department of Defense Concussion, Assessment, Research, and Education (CARE) Consortium. *American Journal of Sports Medicine*. 48(6): 1476 1484. 2020. PMID: 32298132

- 98. Santos FV, Caccese JB, Yamaguchi F, **Buckley TA**. Virtual Reality in Concussion Management: From Lab to Clinic. *Journal of Clinical and Translational Research*. 5(4): 148 154. 2020. PMID: 32671279.
- 97. *Oldham JR, Howell DR, Bryk KN, Manois C, Koerte IK, Meehan WP, **Buckley TA**. No Differences in Tandem Gait Performance Between Male and Female Athletes Acutely Post-Concussion. *Journal of Science and Medicine in Sport*. 23(9): 814 819, 2020. PMID: 32336568.
- 96. Buckley TA, Munkasy BA. Krazeise DA, Oldham JR, Evans KM, Clouse BP. Differential Effects of Acute and Multiple Concussions on Gait Initiation Performance. *Archives of Physical Medicine and Rehabilitation*. 101(8): 1347-1354. 2020. PMID: 32343972
- 95. Asken BM, Houck ZM, Schmidt JD, Bauer RM, Broglio SP, McCrea MA, McAllister TW, Clugston JR, CARE Consortium Investigators (**Buckley TA**). A Normative Reference vs. Baseline Testing Compromise for ImPACT: the CARE Consortium Multiple Variable Prediction (CARE-MVP) Norms. *Sports Medicine*. 50(8): 1533 1547, 2020. PMID: 32034702
- 94. Garcia GGP, Lavieri MS, Jiang R, McCrea M, McAllister TW, Broglio SP, and CARE Consortium Investigators (**Buckley TA**). Data-driven Stochastic Optimization Approaches to Determine Decision Boundaries for Risk Estimation Models. *IISE Transactions*. 52(10): 1098 1121. 2020.
- *Hunzinger KJ, Sanders EW, Deal HE, Langdon JL, Evans KM, Clouse BP, Munkasy BA, **Buckley TA**. The Use of a Visual Motor Test to Identify Lingering Deficits in Concussed Collegiate Athletes. *Journal of Clinical and Translational Research*. 5(4): 178 185. 2020.
- 92. *Oldham JR, Howell DR, Knight CA, Crenshaw JR, **Buckley TA**. Single and Dual-Task Tandem Gait Performance Across Clinical Concussion Milestones in Collegiate Student-Athletes. *Clinical Journal of Sports Medicine*. 31(6): 392 397. 2021. PMID: 32852299
- 91. *Caccese JB, Bodt B, Iverson GL, Kaminski TW, Bryk KN, Oldham JR, Broglio SP, McCrea M, McAllister T, **Buckley TA**. Estimated Age of First Exposure to Contact Sports and Neurocognitive, Psychological, and Physical Outcomes in Healthy NCAA Collegiate Athletes: A Cohort Study. *Sports Medicine*. 50(7): 1377 1392. 2020. PMID: 32002824
- 90. Szekely B, Alphonsa S, Grimes K, Munkasy BA, **Buckley TA**, Murray N. Repetitive Head Impacts Affect Medio-lateral Postural Sway Entropy in the Absence of Vision Following a Competitive Athletic Season: Preliminary Findings. *Journal of Clinical and Translational Research*. 5(4): 197 203. 2020. PMID: 33029565

- 89. **Buckley TA**, Howard CM, Oldham JR, Lynall RC, Swanik CB, Getchell N. No Clinical Predictors of Postconcussion Musculoskeletal Injury in College Athletes. *Medicine and Science in Sports and Exercise*. 52(6): 1256 1262. 2020. PMID: 31972629
- 88. *Caccese JB, Houck Z, Kaminski TW, Clugston JR, Iverson G, Bryk KN, Oldham JR, Broglio SP, McAllister TW, McCrea M, **Buckley TA**. Estimated Age of First Exposure to American Football and Concussion Outcomes. *Neurology*. 95(21): e2935 e2944. 2020. PMID: 32907967.
- 87. Asken BM, Houck ZM, Clugston JR, Larrabee GJ, McCrea M, Broglio SP, McAlliser TW, CARE Consortium Investigators (**Buckley TA**). Word-Reading Ability as a "Hold Test" in Cognitively Normal Young Adults with History of Concussion and Repetitive Head Impact Exposure: A CARE Consortium Study. *Clinical Neuropsychologist.* 34(5): 919 936. 2020. PMID: 31698991.
- 86. Houck ZM, Asken BM, Bauer R, Caccese J, **Buckley TA**, McCrea M, McAllister T, Broglio SP, Clugston J. Academic Aptitude Mediates the Relationship between Socioeconomic Status and Race in Predicting ImPACT Scores in College Athletes. *The Clinical Neuropsychologist*. 34(3): 561 579. 2020 PMID: 31549576
- *Caccese JB, Eckner JT, Franco-MacKendrick L, Hazard JB, Ni M, Broglio SP, McAllister T, McCrea M, **Buckley TA**. Clinical Reaction Time Performance Factors in Healthy Collegiate Athletes. *Journal of Athletic Training*. 55(6): 601 607. 2020. PMID: 32320283
- 84. Stemper BD, Shah AS, Harezlak J, Rowson S, Duma S, Mihalik JP, Riggen LD, Brooks A, Cameron KL, Giza CC, Houston MN, Jackson J, Posner MA, McGinty G, DiFiori J, Broglio SP, McAllister TW, McCrea M, CARE Consortium Investigators (**Buckley TA**). Repetitive Head Impact Exposure in College Football Following an NCAA Rule Change to Eliminate Two-A-Day Preseason Practices: A Study from the NCAA-DoD CARE Consortium. *Annals of Biomedical Engineering*. 47(10): 2073 2085. 2019. PMID: 31388849
- 83. Broglio SP, Harezlak J, Katz B, Zhao S, McAllister T, McCrea M. CARE Consortium Investigators (**Buckley TA**). Acute Sport Concussion Assessment Optimization: A Prospective Assessment from the CARE Consortium. *Sports Medicine*. 49(12): 1977 1987. 2019. PMID: 31347086
- *Caccese JB, Iverson G, Cameron K, Houston M, McGinty G, Jackson J, O'Donnell P, Pasquina P, Broglio SP, McCrea M, McAllister T, **Buckley TA**. Estimated Age of First Exposure to Contact Sports is Not Associated with Greater Symptoms or Worse Cognitive Functioning in U.S. Service Academy Athletes. *Journal of Neurotrauma*. 37(2): 334 339. 2020. PMID: 31375052.

- *Caccese JB, Johns KE, Langdon JL, Shaver GW, **Buckley TA**. Does Baseline Concussion Testing Aid in Identifying Future Concussion Risk? *Research in Sports Medicine*. 28(4): 594 599. 2020. PMID: 31287331.
- 80. Murray N, Benson E, Szekely B, Cipriani D, Lynall RC, **Buckley TA**, Powell DW, Munkasy BA. Baseline Postural Control and Lower Extremity Injury Incidence Among Those With a History of Concussion. *Journal of Athletic Training*. 55(2): 109 115. 2020. PMID: 31935138.
- 79. McCrea M, Broglio SP, McAllister TW, Zhou W, Zhao S, Katz B, Kudela M, Harezlak J, Nelson L, Meier T, Marshall SW, Guskiewicz KM, CARE Consortium Investigators (**Buckley TA**). Return to play and risk of repeat concussion in collegiate football players: comparative analysis from the NCAA Concussion Study (1999-2001) and CARE Consortium (2014-2017). *British Journal of Sports Medicine*. 54(2): 102 109. 2020. PMID: 31036562
- 78. Stemper BD, Shah AS, Harezlak J, Rowson S, Mihalik JP, Duma SM, Riggen LD, Brooks A, Cameron KL, Campbell D, DiFiori JP, Giza CC, Guskiewicz KM, Jackson JJ, McGinty GT, Svoboda SJ, McAllister TW, Broglio SP, McCrea M, CARE Consortium Investigators (**Buckley TA**). Comparison of Head Impact Exposure Between Concussed Football Athletes and Matched Controls: Evidence for a Possible Second Mechanism of Sport-Related Concussion. *Annals of Biomedical Engineering*. 47(10): 2057 2072. 2019. PMID: 30362082
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- 21. **Buckley TA**, Munkasy BA, Clouse BA. Acute Cognitive and Physical Rest Do Not Improve Concussion Recovery Time. *Journal of Head Trauma Rehabilitation*. 31(4): 233 241. 2016. PMID: 26394292.
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- 10. *Saunders EA, Burdette GT, Metzler JN, Joyner AB, **Buckley TA**. Knowledge of Coaching Education Students Regarding Sport-Related Concussions. *Athletic Training & Sports Health Care.* 5(1): 11 19. 2013.
- 9. Hass CJ, **Buckley TA**, Pitsikoulis C, Barthelemy E. Progressive Resistance Training Improves Gait Initiation in Individuals with Parkinson's Disease. *Gait and Posture*. 35(4): 669 673. 2012. PMID: 22266107

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- 7. **Buckley TA**, Hass CJ. Variability in One-Repetition Maximum Performance in People with Parkinson's Disease. *Parkinson's Disease*. 2012:928736. doi:10.1155/2012/928736
- 6. Gao J, Hu J, **Buckley TA**, White K, Hass CJ. Shannon and Renyi Entropies to Classify Effects of Mild Traumatic Brain Injury on Postural Sway. *PLoS One*. 6(9). 1 8. 2011. PMID: 21931720
- 5. Nocera JR, **Buckley TA**, Pitsikoulis C, Okun MS, Hass CJ. Knee extensor strength, dynamic stability and functional ambulation: How do they relate in Parkinson's disease? *Archives of Physical Medicine and Rehabilitation*. 91(4): 589 595. 2010. PMID: 20382292
- 4. Burton WJ, Burdette GT, Zwald D, Czech DR, **Buckley TA**. Evidence that Support Equality: Credential Characteristics of Georgia Female High School Coaches. *The Sport Journal*. 13(3). 2010.
- 3. Burton WJ, Burdette GT, Zwald D, Czech DR, **Buckley TA**. Credential Characteristics of Georgia High School Coaches. *The GAPHERD Journal*. 43(3). 31 36. 2010.
- 2. **Buckley TA**, Pitsikoulis C, Barthelemy E, Hass CJ. Aging Impairs Sit-to-Walk Motor Performance. *Journal of Biomechanics*. 42(14): 2318 2322. 2009. PMID: 19656512
- 1. **Buckley TA,** Pitsikoulis C, Hass CJ. Dynamic Postural Stability during Sit-to-Walk Transitions in Parkinson Disease Patients. *Movement Disorders*. 23(9): 1274 1280. 2008. PMID:18464285

 * Student/Mentee lead research project (36)

Editorial Reviewed Papers

- 3. **Buckley TA**. Concussion Research: Moving Beyond the Natural History. *Journal of Sports and Health Science*. 10(2): 111 122. 2021.
- 2. Lynall RC, Mauntel TC, Howell DR, **Buckley TA**. Short- and Long-Term Consequences of Sport-Related Concussion on Musculoskeletal Injury Risk and Joint Health. *Lower Extremity Review*. November 2017. Available at: http://lermagazine.com/cover_story/brains-sprains-and-chronic-pain-concussion-consequences-may-include-osteoarthritis

1. **Buckley TA**. The More Things Change, the More They Stay the Same. *Athletic Training and Sports Health Care*. 8(3): 2016.

Textbook Chapters

- 4. **Buckley TA**. Bryk KN, Hunzinger KJ, Enrique AL. <u>Acute and Lingering Impairments in Post-Concussion Postural Control</u>. *Concussions in Athletics: From Brain to Behavior*. Editors: Semyon M. Slobounov and Wayne Sebastianelli. Springer Scientific Publishing. 2nd Ed. New York, NY, USA. 2021. ISBN 978-3-030-75564-5
- 3. **Buckley TA**, Oldham JR, DiFabio MS. <u>Concussion and Subsequent</u>
 <u>Musculoskeletal Injury</u>. *Concussions in Athletics: Assessment, Management and Emerging Issues*. Editors: Eric E. Hall and Caroline Ketchum. Nova Science Publishers. 1st Ed. Hauppauge, NY, USA. 2017. ISBN: 978-1-53610-651-0
- 2. **Buckley TA**. Acute and Lingering Impairments in Post-Concussion Postural Control. Concussions in Athletics: From Brain to Behavior. Editors: Semyon M. Slobounov and Wayne Sebastianelli. Springer Scientific Publishing. 1st Ed. New York, NY, USA. 2014. ISBN 978-1-4939-0295-8
- 1. **Buckley TA**. Concussion and Gait. Gait Biometrics: Basic Patterns, Role of Neurological Disorders and Effects of Physical Activity. Editor: Li Li. Nova Science Publishers. 1st Ed. Hauppauge, NY, USA. 2014. ISBN: 9781629483856.

Grant Activity

Funded Grants - External

- 17. National Institute of Health: National Institute of Neurological Disorders and Stroke (NINDS). Buckley TA (PI), Brockmeier A, Qian W. Integrative Data Analysis to Identify Persistent Post-Concussion Deficits and Subsequent Musculoskeletal Injury Risk. Award: 1R21NS122033-01A1 Funded for: \$419,798 (\$250,000 Direct). Sept, 3, 2021 July 31, 2023
- State Space Labs (Research Contract).
 Buckley TA (Site Primary Investigator). Gamified Concussion Assessment.
 Funded for: \$95,717
 July 1, 2021 June 3, 2022
- 16. **Henry M. Jackson Foundation for the Advancement of Military Medicine.**Buckley TA (Site Primary Investigator). *Service Academy Longitudinal mTBI Outcomes Study* (SALTOS). Award: HU00011820008/PMR-53-9628
 Funded for: \$158,672
 Feb 1, 2020 July 31, 2021

- 15. University of Nevada Neuroscience COBRE. The Influence of Repetitive Head Impacts on Motion Perception. PI: Murray NG. Co-I: Islas A, Buckley TA (External Consultant). NIH Award P20GM103650
 Funded for: \$300,000. May 1, 2019 June 1, 2022
- 14. **National Institute of Health:** National Institute of Neurological Disorders and Stroke (NINDS) (R03). **Buckley TA** (<u>Project Director & Primary Investigator</u>), Ker ZY. *Unresolved Post-Concussion Balance Deficits and Subsequent Musculoskeletal Injury*. (R03NS104371) Funded For: \$164,482 (\$100,000 Direct)

Funded For: **\$164,482** (\$100,000 – Direct) Impact Score: 31 Percentile: 12

Percentile: 12 Sept 1, 2017 – August 30, 2019

13. **Office of Naval Research**. Johnson CL, **Buckley TA** (Co-I). *Anisotropic Inversion of Multi-Excitation Brain Magnetic Resonance Elastography Data*. (N00014-18-1-2018)

Funded For: **\$194,193** (\$128,160 – Direct)

Oct 1, 2017 – Dec 31, 2018

12. **National Athletic Trainers' Association International Travel Grant**. Professional travel grant to attend and present at the 2018 *European Congress of Sports Science* in Dublin, Ireland.

Funded For: \$3,696.17 July 4 – 7, 2018

- 11. **Applied Cognitive Engineering**. (Research Contract) **Buckley TA** (<u>Primary Investigator</u>). *Effects of Dual-Task Cognitive Training on Head Impact Kinematics*.

 Funded For: \$42,703 (\$27,373 Direct)

 October 1, 2016 Sept 30, 2017
- 10. State of Delaware Federal Research and Development Grant Program.

 Buckley TA (Primary Investigator). Advanced Concussion Assessment and Recovery Program.

 Funded For: \$99,845 (Direct Only). October 1, 2015 June 30, 2017
- 9. National Collegiate Athletic Association/Department of Defense Grand Alliance. Buckley TA (Site Primary Investigator), Kaminski TW.

 Concussion Assessment, Research and Education (CARE) Consortium.

 Award: W81XWH-14-2-0151.

 Funded For: \$656,557 (\$485,852 Direct)

 June 1, 2015 Feb 28, 2021
- 8. **National Institute of Health:** National Institute of Neurological Disorders and Stroke (NINDS) Academic Research Enhancement Award (AREA R15) Grant. **Buckley TA** (<u>Project Director & Primary Investigator</u>), Munkasy BA, Shaver G, Gunn LH, Wikstrom EA, Clouse BA. *Identification of Persistent Impairments in Postural Control Following Concussion*. 1R15NS070744–01A1 Funded for \$385,722 (\$297,639 Direct) July 1, 2011 June 30, 2015

7. Army Research Office – Short Term Innovative Research (STIR) Program.

Life Science Division: Neurophysiology and Cognitive Neuroscience. White KD, Hass CJ, Gao JB, **Buckley TA** (Co-Investigator).

Nonlinear Dynamics Used to Classify Effects of Mild Traumatic Brain Injury on Postural Sway. Award # W911NF-10-1-0425.

Funded for: **\$50,000.** (Direct Only) October 2010 – May 2011

6. **Army Research Office.** Life Science Division: Neurophysiology and Cognitive Neuroscience. White KD, Hass CJ, Gao JB, **Buckley TA** (Co-Investigator). Classifying Effects of Mild Traumatic Brain Injury on Postural Sway with

Nonlinear Dynamics. Award #: ARO56382LSJDO

Funded for: \$132,368: March 2009 – December 2009

Funded Grants - Internal

- 7. University of Delaware Research Foundation (Unidel). Watson D, Buckley TA (CI), Silbernagel K. Reducing Injury and Improving Performance: The Impact of GPS Wearables and Force Plate Data. \$497,000. January 2022 June 2023
- 6. **Center for Biomedical and Brain Imaging**. COBRE Neuroscience Pilot Funding. *Anisotropic Inversion of Multi-Excitation Brain Magnetic Resonance Elastography Data*. **\$6,000**
- 5. Faculty Development Committee

Professional Travel – *National Strength and Conditioning Association Annual Meeting*; Providence, RI. July 2012. **\$956**

4. Faculty Research Committee

Buckley TA, Munkasy BA.

Identification of Persistent Impairments in Postural Control Following Concussion. July 2010 – May 2011. **\$9,985**

3. Faculty Development Committee

Professional Travel – *Gait and Clinical Motion Analysis Society Annual Meeting*; Miami, FL. February 2010. **\$1185**

2. Faculty Development Committee

Professional Travel – *Gait and Clinical Motion Analysis Society Annual Meeting*; Richmond, VA. April, 2008. **\$695**

1. Strategic Research Investment Initiative.

Faculty mentorship program – Dynamic and Static Biomechanical Assessments of Individuals Following Concussion: Defining a Recovery Curve. 2008 – 2009 Academic Year. \$3,000

<u>Funded Grants – Students</u>

- 5. **Undergraduate Research Conference and Travel Grant**. Bednarek, AL. **Buckley TA** (Faculty Mentor). *Clinical Reaction Time Variability Identifies Persistent Post-Concussion Motor Control Deficits*. National Athletic Trainers' Association Annual Conference. June 23 25, 2016. Award: \$290.
- 4. National Athletic Trainers' Association Masters Student Grant
 Ingram RL, Tucker WS, Buckley TA. (Advisor) Acute Alterations in Scapular
 Upward Rotation Following a Functional Fatiguing Protocol in Men's Tennis
 Players. Award: 212MGP005, \$1,000 August 1, 2012 May 1, 2013
- 3. National Athletic Trainers' Association Masters Student Grant
 Theard, H; Buckley TA (Advisor) What is the Duration of BESS Impairment
 after Fatigue in High School Athletes?
 Award: \$914.44. June 15, 2011 May 1, 2012.
- 2. **National Athletic Trainers' Association Masters Student Grant**Bryan, A; **Buckley TA** (Advisor) *How Long Do Postural Impairments Persist Following a Lateral Ankle Sprain?* Award: 1104MGP008, \$1,000 2011 2012.

Grants in Review

1. National Institute of Health: National Institute of Aging (NIA) (R01). Buckley TA (PI), Jeka JJ, Caccese JB, Esopenko C. Adding Insult to Injury: The Effects of Repetitive Neurotrauma on Age-Related Decline in Females and Males. 1 R01AG077397-A1. Submitted July 5, 2022. Funding Requested: \$3.846,393. (\$2,261,359 Direct).

Grants Not Funded

- 27. **Department of Defense: Congressionally Directed Medical Research Programs**. (**DoD: CDMRP**). Clinical Research Develop Award. Cameron K, **Buckley TA** (Co-I). Clinical Decision Making Tools and Targeted Interventions to Mitigate Injury Risk after Return to Duty Following Mild Traumatic Brain Injury. Submitted October 2021. Funding Requested: \$300,000
- 26. National Institute of Health: National Institute of Aging (NIA) (R01). Buckley TA (PI), Jeka JJ, Caccese JB, Esopenko C. Adding Insult to Injury: The Effects of Repetitive Neurotrauma on Age-Related Decline in Females and Males. 1 R01AG077397. Amount Requested: \$3,693,893 (\$2,358,963 Direct).

- 25. National Athletic Trainers' Association Research and Education Foundation.

 Buckley TA (PI), Lynall R (Co-PI). The Neurological Effects of COVID-19: Does the Virus Impact Concussion Recovery. Submitted February 10, 2021.

 Amount Requested: \$57,500 (\$50,000 direct)
- 24. **National Institute of Neurological Disorders and Stroke** (R01). Buckley TA (PI), Jeka J, Hudson MB, Brockmeier A, Qian W. *Post-concussion Musculoskeletal Injuries:* Statistical Risk Score and Neurophysiological Mechanisms. Submitted October 5, 2020.
- 22. National Institute of Health: National Institute of Neurological Disorders and Stroke (NINDS) (R15). Hall EE (PI), Ketchum C, Munkasy BA, Buckley TA (Co-I).

 Determinants of Concussion Recovery and Predictors of Subsequent Musculoskeletal Injuries. Impact Score: 52 Percentile: 46
- 21. National Institute of Health: Neurological Disorders and Stroke (NINDS) (R01). Howell DR (PI), Buckley TA (Co-I), Lin A, Kerr ZY. Predictors and Mechanisms of Post-Concussion Musculoskeletal Injuries. Impact Score: 39 Percentile: 27
- 20. Department of Defense: Congressionally Directed Medical Research Programs. (DoD: CDMRP) FY18 Psychological Health and Traumatic Brain Injury Research Program. Buckley TA (PI), Howell DR, Lyanll RC, Lin AL. Implementation of Post-Concussion Injury Prevention Programs to Reduce the Risk of Subsequent Musculoskeletal Injuries: a Randomized Control Trial.
- 19. **Department of Defense (DoD)** Peer Reviewed Medical Research Program (PRMRP) Investigator-Initiated Research Award: Partnering PI Option. Lynall RC and Mauntel T (PIs), **Buckley (Co-I)**, Meehan. Neurocognitive Function and Musculoskeletal Injury in Physically Active Service Members and Civilians.
- 18. **National Institute of Health:** National Institute Of Biomedical Imaging And Bioengineering (R01). **Buckley TA** (Co-PI) and Johnson CL. *Brain Viscoelasticity Changes due to Repetitive Head Impacts and Concussion*.
- National Institute of Health: National Institute of Neurological Disorders and Stroke (NINDS) (R01). Abt J (PI), Han D, Heebner N, Hoch M, Stromberg AJ, Swanik CB, Buckley TA (CI), An YW. The Interaction Between mTBI and Musculoskeletal Injury in Collegiate Athletes. Submission February 5, 2018
 Priority Score: 35 Percentile: 31
- 16. **Department of Defense:** CDMRP Psychological Health and Traumatic Brain Injury Research Program Complex Traumatic Brain Injury Rehabilitation Research Award (JCP-8). Abt J (PI), Han D, Heebner N, Hoch M, Stromberg AJ, Swanik CB, **Buckley TA** (CI), An YW, Kardouni J, Helton G. *The Interaction between Mild Traumatic Brain Injury and Musculoskeletal Injury Diminishes Manpower and Resilience in US Military Personnel*. Budget: \$2,000,000.
- 15. **National Institute of Health:** National Institute of Neurological Disorders and Stroke (NINDS) (R01). **Buckley TA** (PI), Howell DR, Meehan WP, Hall EE, Ketcham CJ, Vallabhajosula S, Munkasy BA, Lynall RC, Schmidt JD, Kerr ZY. *Determinants of Concussion Recovery and Predictors of Subsequent Musculoskeletal Injuries*.

- 14. **National Institute of Health:** National Institute of Neurological Disorders and Stroke (NINDS) (R15). Murray NG, Munkasy BA, Jing YJ, Powell DW, Gore R, Clouse BA **Buckley TA** (Role: Consultant). *The Effect of Sports Related Concussion and Repetitive Head Impacts on the Oculomotor Control System*.
- 13. **National Football League**: Play Safe/Play Smart (Pre-Proposal). Murray NG, Munkasy BA, Jing YJ, Clouse BA, **Buckley TA** (Role: Consultant). *Effect of Oculomotor and Postural Control following Repetitive Head Impacts*
- 12. **The United States Hockey Foundation**. The Effectiveness Of A Dual Task Training Protocol To Reduce Head Impact Magnitudes in Youth Ice Hockey.
- 11. **National Institute of Health:** National Institute of Neurological Disorders and Stroke (NINDS) (R21). **Buckley TA** (<u>Project Director/Primary Investigator</u>), Munkasy BA, Shaver G, Hall EE, Meehan WP, Howell DR, Kerr ZY, Wikstrom, EA, Herman D. *Unresolved Post-Concussion Balance Deficits and Subsequent Musculoskeletal Injury*.
- 10. National Athletic Trainers' Association Research and Education Foundation.

 Buckley TA (Project Director/Primary Investigator), Hall EE, Kerr ZY. Unresolved Post-Concussion Balance Deficits and Subsequent Musculoskeletal Injury.
- 9. **National Athletic Trainers' Association Research and Education Foundation.**Howell DR, Meehan WP, Mannix RC, **Buckley TA**, Stillman A, Lin A, Tan CO.

 A Prospective and Multifaceted Examination of the Effects of Head Trauma on Biological Markers and Neurological Function in Collegiate Athletics.
- 8. **Department of Defense: CDMRP. Neurosensory Research Award. Buckley TA**, (PD/PI) Honaker J, Burnfield J, Crenshaw J, Pohlig R. Ecologically Valid Multi-Task Assessment of Hearing, Balance, Vision and Cognition. 2015 2018.
- 7. **Department of Defense: CDMRP. Neurosensory Research Award**. Li, L. **Buckley TA** (Co-PI), Zhu S, Vogel RV. *Field Ready Mobile Balance Testing Device*.
- 6. **NIH/NINDS**: R03. RFA-NS-13-015. **Buckley TA**, (<u>PD/PI</u>) Wikstrom EA, Naugle KM, Linder D, Clouse BA. *Psychological and Biobehavioral Determinants of Concussion Postural Control Recovery*.
- 5. **NIH/NINDS**: R03. RFA-NS-13-015. Ahad M, **Buckley TA** (<u>Primary Investigator</u>), Munkasy BA, Clouse BA. *Localized impedance anisotropy technique to monitor the progression/relapse of brain injury*.
- 4. **National Science Foundation**: Civil, Mechanical and Manufacturing Innovation (CMMI): Dynamical Systems. Gao J, **Buckley TA** (Co-PI/DP). Collaborative Research: *Nonlinear Dynamics of Postural Instability Following Mild Traumatic Brain Injury*.
- 3. **Southeast Athletic Trainers' Association.** *Impaired Dynamic Postural Control in Individuals with a History of Multiple Concussions.* February 2011.
- 2. **Southeast Athletic Trainers' Association.** Coaches Knowledge and Misconceptions of Sport-Related Concussions. February 2009.

1. **Eastern Athletic Trainers' Association** Resistance Training to Improve Functional Abilities in Individuals with Parkinson Disease. Dec, 2004.

Contracts

- 6. Optim Orthopedics and Optim Healthcare; Savannah, GA. 2014 2016 **\$26,000** to fund a Graduate Assistant Athletic Trainer for local college
- 5. Optim Orthopedics and Optim Healthcare; Savannah, GA. 2013 2015 \$19,000 to fund a Graduate Assistant Athletic Trainer for a local high school
- Meadows Regional Medical Center; Vidalia, GA. 2012 2014.
 \$25,000 to fund a Graduate Assistant Athletic Trainer for local college
- 3. Optim Orthopedics and Optim HealthCare; Savannah, GA. 2011 2013. \$18,000 to fund a Graduate Assistant Athletic Trainer for a local high school
- Southeastern Orthopedics; Savannah, GA. 2009 2012.
 \$36,000 to fund Graduate Assistant Athletic Trainers at 2 local high schools
- East Georgia Regional Medical Center; Statesboro, GA. 2008 2011.
 \$30,000 to fund Graduate Assistant Athletic Trainers at 2 local high schools

Total External Funding for Grants: \$2,407,521.16 Total Internal Funding for Grants: \$513,941 Total External Funding for Contracts: \$154,000 **Total Funding (All Sources): \$3,075,462**

Abstracts Presented at State, Regional and National Meetings

- 258. *Gallo CA, Anderson MN, Wilkins LT, Port NL, **Buckley TA**. Concussion History is Significantly Associated with Gamified Neurocognitive Performance in Collegiate Athletes. *6th International Consensus Conference on Concussion in Sport*, Amsterdam, Netherlands. Accepted
- 257. Hunzinger KJ, Schneider ALC, **Buckley TA**, Mannix R, Meehan WP, Oldham JR. Sex differences in Neurocognitive Functioning and Symptoms Among American High School Rugby Players. *6th International Consensus Conference on Concussion in Sport*, Amsterdam, Netherlands. Accepted.
- 256. Roby TR, Langford D, Eckner J, Chrisman S, Caccese JB, Clugston J, Harcum S, Kelly LA, McDevitt J, Buckley TA, Pasquina PF, Putukian M, Susmarski AJ, Kroshus E, Esopenko C, Master C. Sex Differences in Non-Sports Related Concussion: A CARE Consortium Study. 6th International Consensus Conference on Concussion in Sport, Amsterdam, Netherlands. Accepted.
- 255. Lempke LB, Teel EF, Lynall RC, Hoffman NL, **Buckley TA**, Eckner JT, McCrea MA, McAllister TW, Broglio SP, Schmidt JD. Early Exercise is Associated with Faster Concussion Recovery Among Collegiate Athletes: Findings from the NCAA-DoD CARE Consortium. *6th International Consensus Conference on Concussion in Sport*, Amsterdam, Netherlands. Accepted.

- 254. Teel EF, Lempke LB, Lynall RC, Hoffman NL, **Buckley TA**, Eckner JT, McCrea MA, McAllister TW, Broglio SP, Schmidt JD. Early Exercise is Associated with Reduced Risk of Persistent Post-Concussion Symptoms Among Collegiate Athletes: Findings from the NCAA-DoD CARE Consortium. *6th International Consensus Conference on Concussion in Sport*, Amsterdam, Netherlands. In Review.
- *Anderson MN, Gallo CA, Gill J, Caccse JB, Broglio SP, McCrea M, McAllister TW, Pasquina P, Cameron KL, Malvasi SR, Trump JR, Roach MH, Jackson J, McGinty G, Buckley TA. Estimated Age of First Athletic Exposure Predicts Baseline Neurofilament Light, Ubiquitin Carboxyl-Terminal Hydrolase L1, Glial Fibrillary Acidic Protein, and Tau Serum Levels in Female Athletes and Military Cadets. 6th International Consensus Conference on Concussion in Sport, Amsterdam, Netherlands. Accepted.
- *Anderson MN, Gallo CA, Gill J, Caccse JB, Broglio SP, McCrea M, McAllister TW, Pasquina P, Cameron KL, Malvasi SR, Trump JR, Roach MH, Jackson J, McGinty G, Buckley TA.
 Estimated Age of First Athletic Exposure Predicts Baseline Neurofilament Light, Ubiquitin Carboxyl-Terminal Hydrolase L1, Glial Fibrillary Acidic Protein, and Tau Serum Levels in Female Military Cadets. Military Health System Research Symposium. Orlando, FL. Accepted
- 251. **Buckley TA**, Munkasy BA, Oldham JR. Gait Performance Is Not Affected By Collegiate Sports Participation. *North American Congress on Biomechanics*. Ottawa, Canada. August 24, 2022.
- 250. Kellaher GK, Tracy JB, Hafer JF, Allen JL, Reimann JH, **Buckley TA**, Crenshaw JR. Does Stepping Limb Influence Characteristics of Gait Initiation. *North American Congress on Biomechanics*. Ottawa, Canada. Accepted.
- 249. Tracy JB, Allen JL, **Buckley TA**, Hafer JF, reimann H, Crenshaw JR. Self-Reported Limb Dominance Does Not Explain Asymmetric Control of Standing Sway. *North American Congress on Biomechanics*. Ottawa, Canada. Accepted.
- 248. Edgar R, DuPrey K, **Buckley TA**. Prevalence of Medical Co-Morbidities in Diabetic Athletes. *American Medical Society for Sports Medicine*. Austin, TX. April 10, 2022.
- 247. *Hunzinger KJ, Swanik CB, **Buckley TA**. Repetitive Head Impact Exposure Does Not Affect Dual Task Cost in Early to Middle-Aged Adults. *International Society of Posture and Gait Research Annual Conference*. Montreal, Canada. July 5, 2022.
- 246. DiFabio MS, Smith D, **Buckley TA**, Breedlove K, Johnson C. Changes in Superior Frontal Cortex Structure Are Associated With Head Impact Exposure in A Season Of Collegiate Club Ice Hockey. *National Neurotrauma Society Annual Meeting*. Atlanta, GA. June 26, 2022.
- 245. Caccese JB, Garcia GGP, Kontos AP, Port N, Valerio K, Broglio SP, McCrea M, McAllister TW, Pasquina PF, Buckley TA. Test-Retest Reliability and Efficacy of Individual Symptoms in Concussion Management. *American College of Sports Medicine Annual*. San Diego, CA. June 1, 2022.
- *Gallo CA, Breedlove KM, Johnson CL, DiFabio MS, **Buckley TA**. Effect of Ice Hockey Repetitive Head Impacts on Dual Task Tandem Gait Performance. *American College of Sports Medicine Annual*. San Diego, CA. June 1, 2022.
- 243. **Buckley TA**, Bryk KN, Munkasy BA, Oldham JR. A Career Of Collegiate Contact Sports Does Not Impair Dual Task Gait Performance. *American College of Sports Medicine Annual*. San Diego, CA. June 1, 2022.

- Eagle SR, Asken B, Trbovich A, Houck ZM, Bauer RM, Clugston JR, Broglio SP, McAllister TW, McCrea MA, Pasquina P, Putukian M, Hoy A, Ortega J, Port N, Buckley TA, Kaminski T, Houston M, Duma S, Miles C, Linter L, Collins MW. Dose-Response Association of Continued Activity Following Sport-Related Concussion with Poorer Clinical Outcomes. American College of Sports Medicine Annual. San Diego, CA. June 1, 2022.
- 241. Murray NG, Taylor MR, Berryhill M, Hopfe D, Pavilionis P, Kelly M, Amankonah V, Constantino N, **Buckley TA**. Smooth Pursuit Gain Declines After a Single Season of Football: A Pilot Study. *American College of Sports Medicine Annual*. San Diego, CA. June 1, 2022.
- *Bryk KN, Passalugo S, **Buckley TA**, Using a Multifaceted Clinical Concussion Assessment Battery for Adults with Post-Concussion Syndrome. *World Congress on Brain Injury*. (Virtual) July 29, 2021.
- 239. Eagle SR, CARE. Dose-Response Association of Continued Activity Following Mild Traumatic Brain Injury with Poorer Clinical Outcomes: Findings from the NCAA-DoD CARE Consortium. *Military Health System Research Symposium*. August 24, 2021.
- 238. *Hunzinger KJ, Swanik CB, Buckley TA. Effects of Cumulative Years of Contact/Collision Sports on Neuropsychological Outcomes. *American Academy of Neurology Sports Concussion Conference*. Virtual. *Neurology* 98:S6
- 237. Moran JP, WEbner D, DuPrey KM, Baxter DM, **Buckley TA**, Kaminski TW. Correlation Between Trail Making Tests and Single/Dual Task Gait Speeds in Acute Post-Concussion Division I Student-Athletes. *American Medical Society for Sports Medicine Annual Meeting*. (Virtual) April 15, 2021.
- 236. Marchese V, Webner D, Duprey K, Baxter D, Buckley TA. Baseline Convergence Insufficiency Does Not Identify Athletes at Risk for Prolonged Recovery or Return to Sport from Sport-Related Concussion. American Medical Society for Sports Medicine Annual Meeting. (Virtual) April 15, 2021.
- 235. *Hunzinger KJ, Caccese JB, Costantini KM, Swanik CB, **Buckley TA**. Age of First Exposure Does Not Affect Quality of Life Outcomes in Community Rugby Players. *American College of Sports Medicine Annual Meeting*. (Virtual) June 3, 2021.
- 234. Weitzel LM, Lempke LB, Breedlove K, Schmidt JD, Lynall RC, **Buckley TA**, Onate J, Broglio SP, McAllister TW, McCrea MA, Pasquina PF, Caccese JB. Post-Concussion Clinical Measures Do Not Predict Same-Season Re-Injury in NCAA Athletes and Service Academy Cadets. *American College of Sports Medicine Annual Meeting*. (Virtual) June 3, 2021.
- 233. *Fasoranti ZO, Enrique AL, Hunzinger KJ, Bryk KN, Kaminski TW, **Buckley TA**. Collegiate Collision Sport Athletes have Slower Trail Making Test Performance than Non-Collision Sport Athletes. *Mid-Atlantic American College of Sports Medicine Annual Meeting*. November 6, 2020.
- 232. *Costantini KM, Hunzinger KJ, Swanik CB, Buckley TA. Age of First Exposure Does Not Predict Quality of Life in Adult Rugby Players. *Mid-Atlantic American College of Sports Medicine Annual Meeting*. November 6, 2020. (Nominated for best undergraduate abstract).
- *Hunzinger KJ, Costantini KM, Swanik CB, **Buckley TA**. Age of First Exposure to Contact Sports Does Not Affect Quality of Life Outcomes in Community Rugby Players Over 50 Years Old. *Mid-Atlantic American College of Sports Medicine Annual Meeting*. November 6, 2020.

- 230. *Bryk KN, **Buckley TA**. Effects of Persistent Concussion Symptoms on Executive Function in Working-Aged Adults Using A Novel Sensorimotor Assessment Tool. *American Academy of Neurology Sports Concussion Conference*. Virtual. July 31, 2020.
- *Enrique AL, Hunzinger KJ, Gourley A, Bryk KN, **Buckley TA**. Post-Concussion Psychological Distress at Return to Play Does Not Predict Subsequent Musculoskeletal Injury. *American Academy of Neurology Sports Concussion Conference*. Virtual. July 31, 2020.
- 228. *Fasoranti ZO, Enrique AL, Hunzinger KJ, Bryk KN, Kaminski TW, **Buckley TA**. Concussion History does not Adversely Affect Trail Making Test Performance. *American Academy of Neurology Sports Concussion Conference*. Virtual. July 31, 2020.
- *Costantini KM, Hunzinger KJ, Swanik CB, Buckley TA. No Sex Differences in Risk for Lower-Extremity Musculoskeletal Injury in Concussed Amateur Rugby Players. American Academy of Neurology Sports Concussion Conference. Virtual. July 31, 2020. Selected for AAN-SC Press Conference highlighting major findings. July 31, 2020.
- 226. *Hunzinger KJ, Costantini KM, Swanik CB, Buckley TA. Age of First Exposure to Collision Sports Does Not Affect Quality of Life Outcomes in Community Rugby Players. American Academy of Neurology Sports Concussion Conference. Virtual. July 31, 2020. Selected for AAN-SC Press Conference highlighting major findings. July 31, 2020.
- *Hunzinger, KJ, Swanik, CB, **Buckley, TA**. Diagnosed Concussion History Is Associated with Increased Risk for Lower-Extremity Injury in Rugby Union Players. 6th International Consensus Conference on Concussion in Sport, Amsterdam, Netherlands. Accepted.
- 224. Radzak KN, Hunzinger KJ, Costantini KM, Swanik CB, **Buckley TA**. Concussion Knowledge and Attitudes of Reserve Officers' Training Corps Cadets. *Military Health System Research Symposium Annual Meeting*. Orlando, FL. August 24, 2020.
- 223. Lynall RC, Morris SN, Chandran A, Mauntel TC, Kerr ZY, Wasserman EB, Herman DC, Hall EE, **Buckley TA**. Subsequent Lower Extremity Musculoskeletal Injury following Concussion in American Collegiate Athletics. 6th International Consensus Conference on Concussion in Sport. Amsterdam, Netherlands. In Review.
- *Oldham JR, Howell DR, Meehan WP, Lanois C, Bryk K, Caccese JB, Buckley TA. Estimated Age of First Exposure to Collision Sports and Singe/Dual-Task Gait Performance. 6th 2International Consensus Conference on Concussion in Sport. Amsterdam, Netherlands. In Review.
- 221. **Buckley TA**, Oldham JR, Neitz K, Munkasy BA, Bryk KN, Enrique A. Effects of a Collegiate Contact Sport Athletic Career on Gait Performance. 6th International Consensus Conference on Concussion in Sport. Amsterdam, Netherlands. Accepted.
- *Hunzinger KJ, Bryk KN, Caccese JB, Kamiski TW, Swanik CB, Buckley TA. Altered Postural Control in Contact Sports Athletes. American Society of Biomechanics East Coast Conference. Reading, PA. April 24, 2020. (Conference Cancelled)
- 219. Harris A, Browne S, Hunzinger K, Webner D, Duprey K, Buckley TA. The Effect of Concussion on Subsequent Lower Extremity Injury in NFL Players. *American Medical Society for Sports Medicine Annual Meeting*. Atlanta, GA. April 24, 2020 (Canceled).
- *Hunzinger KJ, Radzak RN, Costantini KM, Swanik CB, Buckley TA. Diagnosed Concussion History Is Associated with Increased Risk for Lower-Extremity Injury in R.O.T.C. Cadets. 6th International Consensus Conference on Concussion in Sport. Amsterdam, Netherlands. Accepted.

- 217. *Caccese JB, Schmidt J, Broglio SP, McAllister TW, McCrea M, Pasquiona PF, Buckley TA. Age of First Exposure to American Football and Concussion History in NCAA Football Players. 6th International Consensus Conference on Concussion in Sport. Amsterdam, Netherlands Accepted.
- *Caccese JB, Hunzinger KJ, Iverson GL, Asken BM, Clugston JR, Cameron KL, Houston MN, Svoboda SJ, Jackson JC, McGinty GT, Estevez CA, Bryk B, Brolgio SP, McAllister TW, McCrea M, Pasquina P, Buckley TA. Factors Associated with Symptom Reporting in U.S. Service Academy Cadets Without Concussion. 6th International Consensus Conference on Concussion in Sport. Amsterdam, Netherlands. Accepted.
- *Caccese JB, Hunzinger KJ, Iverson GL, Asken BM, Clugston JR, Cameron KL, Houston MN, Svoboda SJ, Jackson JC, McGinty GT, Estevez CA, Bryk B, Brolgio SP, McAllister TW, McCrea M, Pasquina P, Buckley TA. Factors Associated with Symptom Reporting in Collegiate Student-Athletes Without Concussion. 6th International Consensus Conference on Concussion in Sport. Amsterdam, Netherlands. Accepted.
- 214. Bonke EM, Southard J, **Buckley TA**, Reinsberger C, Koerte IK, Howell DR. The Effects of Repetitive Head Impacts on Postural Control: A Systematic Review. *Munich-Interact Conference*. Planegg, Germany. February 20, 2020.
- 213. DiFabio MS, Smith DR, Breedlove KM, **Buckley TA**, Johnson CL. Fronto-Parietal Network Hyperconnectivity as a Result of Head Impacts in College Ice Hockey. *American College of Sports Medicine Annual Meeting*. San Francisco, CA. Virtual Presentation. 2020.
- 212. **Buckley TA**, Howard CM, Oldham JR, Lynall RC, Swanik CB, Getchell N. Risk Factors for Post-Concussion Subsequent Musculoskeletal Injuries. *International Olympic Committee* 224Conference: Prevention of Injury and Illness in Sport. Monaco City, Monaco. Accepted for March 12, 2020. (Conference postponed until November 2021).
- *Hunzinger KJ, Costantini KM, Swanik CB, Buckley TA. Diagnosed Concussion History Is Associated With Increased Risk for Lower-Extremity Injury in R.O.T.C. Cadets. *Mid Atlantic American College of Sports Medicine Annual Meeting*. Harrisburg, PA. November 1, 2019. Nominated for MARC-ACSM Ph.D. award.
- *Oldham JR, Howell DR, Bryk KN, Lanois CJ, Koerte IK, Meehan III WP, Buckley TA. No Differences in Tandem Gait Performance Between Males and Females Acutely Post-Concussion. American Academy of Neurology Sports Concussion Conference. Indianapolis, IN. July 27, 2019.
- *Caccese JB, Houck Z, Kaminski TW, Clugston JR, Iverson G, Bryk K, Oldham JR, Broglio SP, McAllister TW, McCrea M, Buckley TA. Estimated Age of First Exposure to American Football and Concussion Outcomes. American Academy of Neurology Sports Concussion Conference. Indianapolis, IN. July 27, 2019.
- *DiFabio MS, Breedlove KM, Buckley TA. Head Impact Kinematics do not Predict In-Season Concussion or Lower Extremity Injury. American Academy of Neurology Sports Concussion Conference. Indianapolis, IN. July 27, 2019.
- 207. **Buckley TA**, Oldham JR. Females have a Higher Post-Concussion Subsequent Injury Rate than Male Collegiate Athletes. *American Academy of Neurology Sports Concussion Conference*. Indianapolis, IN. July 27, 2019.
- 206. **Buckley TA**, Howard CM, Oldham JR, Getchell N, Swanik CB. Does the Concussion Clinical Examination Predict Post-Concussion Subsequent Musculoskeletal Injury? *American Academy of Neurology Sports Concussion Conference*. Indianapolis, IN. July 27, 2019.

- 205. Hunzinger K, Costantini KM, Bryk KN, **Buckley TA**, Swanik CB. Concussion and Lower Extermity Injury Risk Among ROTC Cadets. *American Academy of Neurology Sports Concussion Conference*. Indianapolis, IN. July 27, 2019.
- 204. Erdman NK, Jimenez J, Howell DR, **Buckley TA**, Hart JM, Resch JE. Sex Differences in Performance of a Clinically-Relevant Dual-Task Assessment in Healthy College Students. *American Academy of Neurology Sports Concussion Conference*. Indianapolis, IN. July 27, 2019
- *Caccese JB, Iverson GL, Cameron KL, Houston MN, McGinty GT, Jackson JC, O'Donnell P, Pasquina P, Broglio SP, McCrea M, McAllister T, Buckley TA. Age of First Exposure to Contact Sports and Neurocognitive Performance in U.S. Service Academy Athletes. Sport Neuropsychology Society Sport Concussion Conference. Seattle, WA. May 3, 2019.
- 202. *DiFabio MS, **Buckley TA**. Anger and Aggression do Not Predict Head Impact Kinematics. *Sport Neuropsychology Society Sport Concussion Conference*. Seattle, WA. May 3, 2019.
- 201. Erdman NK, Jimenez J, **Buckley TA**, Howell DR, Hart J, Resch JE. The Test-Retest Reliability of a Clinically-Relevant Dual-Task Assessment. *Sport Neuropsychology Society Sport Concussion Conference*. Seattle, WA. May 3, 2019.
- 200. *Hunzinger KJ, Bryk KN, Kaminski TW, Swanik CB, Buckley TA. Baseline Versus Acutely Concussed Performance on the Balance Error Scoring System Assessed By Mobile Technology. American Society of Biomechanics East Coast Annual Conference. Reading, PA. April 13, 2019.
- *Hunzinger KJ, Bryk, KN, Caccese, J.B., Kaminski, TW, Swanik, CB, Buckley, TA. Effects of Concussion and Contact Sports History on Postural Control. *International Society of Biomechanics/American Society of Biomechanics Annual Meeting*. Calgary, Alberta Canada. August 2, 2019.
- 198. **Buckley TA**, Oldham JR. Persistent Deficits in Dynamic Postural Control Despite Concussion Clinical Recovery. *International Society of Biomechanics/American Society of Biomechanics Annual Meeting*. Calgary, Alberta Canada. August 2, 2019.
- 197. Dreher GM, **Buckley TA**, Howard C, Oldham JR, Webner D, DuPrey K. Acute Lower Extremity Musculoskeletal Injuries after Sports Related Concussion By Sport Classification in Division I Collegiate Athletes. *American Medical Society for Sports Medicine Annual Meeting*. Lake Buena Vista, FL. April 15, 2019.
- *Bryk KN, Caccese JB, Hunzinger KJ, Buckley TA. Effects of Concussion History on Centre of Pressure during Static Dual-Tasking in Collegiate Athletes. *International Society of Posture and Gait Research Annual Conference*. Edinburgh, Scotland. July 1, 2019.
- 195. **Buckley TA**, DiFabio MS, Oldham JR, Breedlove KM, Johnson CL. Repetitive Head Impacts Do Not Impair Single Task Gait in Collegiate Ice Hockey Players. *International Society of Posture and Gait Research Annual Conference*. Edinburgh, Scotland. July 1, 2019.
- *Oldham JR, Howell DR, Knight CA, Crenshaw JR, Buckley TA. Collegiate Athletes with a Conservative Gait Strategy Are More Likely to Sustain a Lower Extremity Musculoskeletal Injury Following Concussion. *International Society of Posture and Gait Research Annual Conference*. Edinburgh, Scotland. July 2, 2019.
- *Hunzinger KJ, Oldham JR, DiFabio MS, Bryk KN, Kaminski TW, Buckley TA. Does Termination of VOMS Due to Symptom Increase in Acutely Concussed Collegiate Athletes Predict Days Return to Play? National Capital Area TBI Research Symposium. Washington, DC. March 4, 2019.

- 192. Erdman NK, Jimenez J, Howell DR, **Buckley TA**, Hart JM, Resch JE. Motor Performance During Single and Dual-Task Administration of a Novel Dual-Task Assessment for Sport Concussion. *National Athletic Trainers' Association Annual Meeting*. Las Vegas, NV. June 25, 2019.
- 191. Starr TC, Breedlove KM, Liniger M, Charney M, DiFabio MS, Coello E, Liao H, **Buckley TA**, Lin AP. Neurometabolite changes in College Hockey Players Correlated with Repetitive Head Impacts. *International Society for Magnetic Resonance in Medicine Annual Conference*. Montreal, QC, Canada. May 21, 2019.
- 190. Smith DR, DiFabio MS, Delgorio PL, Dickerson EL, **Buckley TA**, Johnson CL. Magnetic resonance elastography of repeated head impacts: Mechanical properties of the brain in collegiate hockey players. *International Society for Magnetic Resonance in Medicine Annual Conference*. Montreal, QC, Canada. May 21, 2019.
- 189. DiFabio MS, Buckley TA. Relationships between Aggression and Head Impact Kinematics in Ice Hockey. *American College of Sports Medicine Annual Meeting*. Orlando, FL. May 30, 2019.
- *Oldham JR, Howell DR, Bryk KN, Meehan WP, **Buckley TA**. No Differences in Tandem Gait Performance between Males and Females Acutely Post-Concussion. *American College of Sports Medicine Annual Meeting*. Orlando, FL. May 30, 2019.
- 187. Erdman NK, Jimenez J, Howell DR, **Buckley TA**, Resch JE. Single and Dual-Task Performance Using a Clinically Relevant Dual-Task Assessment in a Healthy Collegiate Sample. *American College of Sports Medicine Annual Meeting*. Orlando, FL. May 31, 2019.
- *Breedlove K, Lin AP, Starr T, DiFabio MS, Lininger M, Buckley TA. Relationship Between Sub-Concussive Head Impacts and Changes In Brain Metabolism in Ice Hockey Athletes. American Academy of Neurology Annual Meeting. Philadelphia, PA. May 5, 2019.
- *Caccese J, DeWolf R, Kaminski TW, **Buckley TA**. Age of First Exposure to Football and Neurocognitive Performance Amongst NCAA Student-Athletes. *American Academy of Neurology Annual Meeting*. Philadelphia, PA. May 5, 2019.
- 184. **Buckley TA**, Oldham JR. Females have a Higher Post-Concussion Subsequent Injury Rate than Male Collegiate Athletes. *American Academy of Neurology Annual Meeting*. Philadelphia, PA. May 5, 2019.
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- 61. **Buckley TA**, Munkasy BA. An Acute Bout of Drop Jumps Impairs Static Balance Performance. *National Strength and Conditioning Association Annual Meeting*. Providence, RI. July 13, 2012.
- 60. Rossi SJ, McMillan JL, **Buckley TA**. Temporal Asymmetries in Landing Between Box Drop Jump and Counter Movement Jump. *National Strength and Conditioning Association Annual Meeting*. Providence, RI. July 13, 2012.
- McMillan JL, Rossi SJ, Buckley TA. Altered Landing Strategies Reduce Vertical Ground Reaction Forces During Drop Jumps from Two Heights. *National Strength and Conditioning Association Annual Meeting*. Providence, RI. July 12, 2012.

- 58. **Buckley TA**, Munkasy BA. Acute Concussion Impairs Dual Task Gait Performance. *National Athletic Trainers' Association Annual Meeting*. St. Louis, MO. June 29, 2012.
- 57. *Kelly KA, Jordan EM, Joyner AB, **Buckley TA**. Concussion Management Practice Patterns Amongst NCAA Division I Athletic Trainers. *National Athletic Trainers' Association Annual Meeting*. St. Louis, MO. June 28, 2012.
- *Krazeise DA, Munkasy BA, Joyner AB, **Buckley TA**. Dynamic Postural Control is Not Impaired in Individuals with Multiple Concussions. *National Athletic Trainers' Association Annual Meeting*. St. Louis, MO. June 29, 2012.
- *Llewellyn TA, Burdette GT, Joyner AB, **Buckley TA**. Accuracy of Concussion Reporting upon Completion of a Collegiate Athletic Career. *National Athletic Trainers' Association Annual Meeting*. St. Louis, MO. June 28, 2012.
- 54. **Buckley TA**, Krazeise DA, Munkasy BA. A History of Multiple Concussions Does Not Alter Dual Task Gait Stepping Characteristics. *American College of Sports Medicine Annual Meeting*. San Francisco, CA. May 30, 2012.
- 53. Rossi, SJ, McMillan JL, **Buckley TA**. The Effect of a Collegiate Soccer Season on Stress and Recovery Scores. *American College of Sports Medicine Annual Meeting*. San Francisco, CA. May 30, 2012.
- 52. **Buckley TA**, Wikstrom EA, Tapia TG, Munkasy BA. Altered Gait Termination Strategies Following Concussion. *Southeast American College of Sports Medicine*. Jacksonville, FL. February 10, 2012.
- *Tapia TG, Munkasy BA, **Buckley TA**. Concussion Does Not Impair Gait Stepping Characteristics. *Southeast American College of Sports Medicine*. Jacksonville, FL. February 9, 2012. *Masters poster Finalist*.
- 50. Rossi SJ, **Buckley TA**, McMillan JL. Comparison of Two Drop Heights on Depth Jump Performance in Collegiate Women Basketball Players. *National Strength and Conditioning Association*. Las Vegas, NV. July 9, 2011
- 49. White K, Gao JB, Hass CJ, **Buckley TA**. Shannon and Renyi Entropies To Classify Effects of Mild Traumatic Brain Injury on Postural Sway. *North Atlantic Treaty Organization; Research and Technology Organization Blast Injury*. Halifax, Canada. October 3 5, 2011
- 48. White K, Gao JB, Hass CJ, **Buckley TA**. Scale-Dependent Lyapunov Exponent To Classify Effects of Mild Traumatic Brain Injury on Postural Sway. *North Atlantic Treaty Organization; Research and Technology Organization Blast Injury*. Halifax, Canada. October 3 5, 2011
- 47. **Buckley TA**, Burk J, Munkasy BA, Joyner AB. A Competitive Athletic Season Alters Balance Error Scoring System Performance. *Southeastern Athletic Trainers Association Annual Meeting*, Atlanta, GA. March 12, 2011.
- 46. **Buckley TA**, Munkasy BA. Altered Gait Mechanics Following a Concussion. *National Athletic Trainers Association Annual Meeting*, New Orleans, LA. June 20, 2011.
- *Kirby M, **Buckley TA**, Joyner AB, Munkasy BA. Wii-Fit Training Improves Balance Performance. *National Athletic Trainers Association Annual Meeting*, New Orleans, LA. June 20, 2011.

- *Rahn C, Munkasy BA, Joyner AB, **Buckley TA**. The Influence of Testing Environment on Performance of the Balance Error Scoring System. *National Athletic Trainers Association Annual Meeting, New Orleans*, LA. June 20, 2011.
- 43. **Buckley TA**, Munkasy BA. Initial Concussion Presentation Does Not Predict Gait Initiation Performance. *American College of Sports Medicine Annual Meeting*. Denver, CO. June 2, 2011.
- 42. Rossi SJ, McMillan JL, Zody AR, **Buckley TA**. The Effect of No Arm Swing and Arm Swing in Competitive Collegiate Women Basketball Players on Drop Jump Performance. *American College of Sports Medicine Annual Meeting*. Denver, CO. June 3, 2011.
- 41. **Buckley TA**, Munkasy BA. Initial Concussion Presentation Does Not Predict Time for Return to Participation or Initial Symptom Report. *Southeastern American College of Sports Medicine Annual Meeting*. Greenville, SC. February 3, 2011.
- 40. Marshall AE, **Buckley TA**. Student-Athletes Knowledge of Sports Nutrition. *Southeastern American College of Sports Medicine Annual Meeting*. Greenville, SC. February 5, 2011
- *Nagle JA, **Buckley TA**, McMillan JL, Joyner AB, Gentner NB. A Certified Athletic Trainers' Experience of Psychological Issues Encountered During Injury Rehabilitation: A Qualitative Assessment. *Association for Applied Sport Psychology Annual Meeting*. Providence, RI. October 30, 2010.
- 38. Marshall AE, Welter G, Eberle B, **Buckley TA**. Perceived Self-Knowledge of Sports Nutrition of Attendees at NSCA 2008 National Conference. *National Strength and Conditioning Association Annual Meeting*. Orlando, FL. July 9, 2010.
- 37. McMillan JL, Wiart D, **Buckley TA**, Joyner AB, Rossi SJ. Evaluation of Recovery in Collegiate Female Swimmers During a Competitive Season. *National Strength and Conditioning Association Annual Meeting*. Orlando, FL. July 9, 2010.
- 36. Rossi SJ, McMillan JL, **Buckley TA**. Seasonal Changes of Drop Jump Performance and Recovery-Stress Scores in Collegiate Soccer Players. *National Strength and Conditioning Association Annual Meeting*. Orlando, FL. July 9, 2010.
- 35. *Zody AR, Rossi SJ, McMillan J, **Buckley TA**. Under Recovery and Drop Jump Characteristics During a Collegiate Basketball Season in Female Basketball Players. *National Strength and Conditioning Association Annual Meeting*. Orlando, FL. July 9, 2010.
- 34. Gao J, Hu T, **Buckley TA**, White K, Hass CJ. Classifying the Effects of Mild Traumatic Brain Injury on Postural Sway by Scale-Dependent Lyapunov Exponent. *US National Congress of Theoretical and Applied Mechanics*. State College, PA. June 29, 2010.
- *Zody A, Rossi SJ, McMillan JL, **Buckley TA**. Under Recovery and Pre-season Drop Jump Characteristics in Female Collegiate Basketball Players. *National Athletic Trainers' Association Annual Meeting*. Philadelphia, PA. June 24, 2010.
- 32. *Tolson JM, Ritchie SM, **Buckley TA**. CAM Impingement of the Hip in a Collegiate Athlete. *National Athletic Trainers' Association Annual Meeting*. Philadelphia, PA. June 24, 2010.
- 31. **Buckley TA**, Munkasy BA. Deficits in Postural Stability Following Concussion Persist Beyond BESS Recovery. *American College of Sports Medicine Annual Meeting*. Baltimore, MD. June 3, 2010.

- 30. Rossi SJ, McMillan JL, **Buckley TA**. The Effect of a Collegiate Soccer Season on Drop Jump Performance Characteristics in Male Soccer Players. *American College of Sports Medicine Annual Meeting*. Baltimore, MD. June 3, 2010.
- 29. **Buckley TA**, Munkasy BA. Impaired Dynamic Postural Stability Following a Concussion. *Gait & Clinical Motion Analysis Society*. Miami, FL. May 13, 2010.
- *Saunders EA, Burdette G, Joyner AB, Czech D, **Buckley TA**. The Effectiveness of the CDC'S "Heads-Up" DVD on Coaching Education Students' Knowledge of Sports-Related Concussions. *Southeast Athletic Trainers' Association*. Panama City Beach, FL. March 19, 2010.
- 27. *Phillips JB, Metzler JN, Burdette GT, **Buckley TA**. The Relationship between the Athletic and the Athletic Trainer and How it Effects Concussion Reporting. *Southeast Athletic Trainers'**Association. Panama City, FL. March 19, 2010.
- *Van Dyke M, McMillan JL, **Buckley TA**, Newcomer R, Clouse BA, Metzler JN, Rossi SJ. The Effect of a Competitive Collegiate Basketball Season on Recovery Cue Seven Questionaire Scores and Reactive Strength Indices in Team Starters. *East Tennessee State University 4th Annual Coaches & Sports Science College*. Johnson City, TN. December 19, 2009.
- 25. **Buckley TA**, Metzler J, Munkasy BA, Hillis CJ. Student-Athlete's Underreporting of Concussions and Concussion Symptoms. *Southeast American College of Sports Medicine*. Greenville, SC. February 12, 2010.
- 24. *Marshall AE, King D, **Buckley TA**. Athletic Trainers Percieved Self- Knowledge of Sports Nutrition. *Southeast American College of Sports Medicine*. Greenville, SC. February 12, 2010.
- 23. Rossi SJ, McMillan JL, **Buckley TA**, Chappell AC. The Effect of a Collegiate Soccer Preseason on Drop Jump Performance Characteristics in Male Soccer Players. *Southeast American College of Sports Medicine*. Greenville, SC. February 13, 2010.
- Rossi SJ, Van Dyke M, Buckley TA, Petty B, Newcomer R, Metzler JN, McMillian J. The Effect of Competitive Collegiate Season on Drop Jump Performance Characteristics in Women's Basketball Players: A Pilot Study. *National Strength and Conditioning Association Annual Meeting*. Las Vegas, NV. July 11, 2009
- 21. *Van Dyke M, McMillian J, **Buckley TA**, Newcomer R, Petty B, Metzler JN, Rossi SJ. The Effect of a Competitive Collegiate Basketball Season on Recovery Cue Sever Questionnaire Scores and Drop Jump Height: A Pilot Study. *National Strength and Conditioning Association Annual Meeting*. Las Vegas, NV. July 11, 2009.
- 20. **Buckley TA**, Munkasy BA. Dynamic Postural Stability during Gait Initiation is Impaired Following a Concussion: A Preliminary Analysis. *National Athletic Trainers' Association Annual Meeting*. San Antonio, TX. June 20, 2009.
- 19. *Tolson JM, Raycraft EI, Munkasy BA, **Buckley TA**. Dynamic Postural Stability during Gait Initiation in Individuals with Chronic Ankle Instability: Influence of Velocity and Direction. *National Athletic Trainers' Association Annual Meeting*. San Antonio, TX. June 20, 2009.
- *Saunders EA, Burdette G, Jordan EM, Metzler J, Hillis CJ, **Buckley TA**. Concussion Misconceptions Amongst High School Coaches in Georgia. *National Athletic Trainers' Association Annual Meeting*. San Antonio, TX. June 20, 2009.
- 17. Vallabhajosula S, **Buckley TA**, Amano S, Hass CJ. Kinematics of Multi Directional Gait Initiation. *American College of Sports Medicine Annual Conference*. Seattle, WA. May 28, 2009.

- 16. Nocera JR, Vallabhajosula S, Amano S, **Buckley TA**, Hass CJ. Dynamic Stability During Multidirectional Gait Initiation: Influence Of Age And Disease. *American College of Sports Medicine Conference*. Seattle, WA. May 27, 2009.
- 15. **Buckley TA**, Munkasy BA. Gait Initiation is Impaired Following Mild Traumatic Brain Injury: A preliminary Analysis. *Southeast American Society of Biomechanics Annual Conference*. Gainesville, FL. April 24, 2009.
- 14. **Buckley TA**, Munkasy BA. Dyanmic Postural Stability during Dual Task Gait Initation is Impaired Following a Concussion: A Preliminary Analysis. *Southeast Athletic Trainers' Association*. Panama City FL. March 21, 2009.
- 13. **Buckley TA**, Hass CJ. Variability in 1-RM Strength amongst Parkinson Disease Patients. *Southeast American College of Sports Medicine*. Birmingham, AL. February 14, 2009.
- 12. **Buckley TA**, Zwald D, Burdette G, Czech DR, Hillis CJ. High School Coaches Knowledge of Sports-Related Concussion: A Preliminary Analysis. *National Academy of Neuropsychology*. New York, NY. October 21, 2008.
- 11. *Rapp CM, Czech DR, Metzler JN, Ritchie SM, **Buckley TA**. Understanding the Career-Ending Injury: A Phenomenological Analysis. *Association for Applied Sport Psychology Annual Conference*. St. Louis, MO. September 30, 2008.
- *Tice KC, McMillan JL, Rossi SJ, Berkstresser BD, Buckley TA, Ritchie SM, Jordan EM. Physiological and Perceived Psychological Responses of Collegiate Football Athletes to Ventilated Shoulder Pads during a Scrimmage. National Strength and Conditioning Association Meeting. Las Vegas, NV. July 10, 2008.
- 9. Hass CJ, Juncos J, **Buckley TA**. Subjective versus Objective Measures of Gait Function: Accuracy in Parkinson Disease. *American College of Sports Medicine*. Indianapolis, IN. May 28, 2008.
- 8. **Buckley TA**, Hass CJ. Progressive Resistance Training Improves Sit-to-Walk Performance in Parkinson Disease Patients: A Pilot Study. *Gait & Clinical Movement Analysis Society*. Richmond, VA. Podium Presentation. April 4, 2008
- 7. Hass CJ, **Buckley TA**. Progressive Resistance Training Improves Gait Initiation Performance in Parkinson Disease Patients: A Pilot Study. *Gait & Clinical Movement Analysis Society*. Richmond, VA. April 3, 2008
- 6. **Buckley TA**, Hass CJ, Pitsikoulis C. Dynamic Postural Stability during Sit-to-Walk Transitions in the Healthy Young and Healthy Elderly. *American Society of Biomechanics*. Palo Alto, CA. August 23, 2007
- 5. Hass CJ, **Buckley TA**. Obstacle Crossing Behavior is Affected by Parkinson's Disease. *American Society of Biomechanics*. Stanford University, Palo Alto, CA. August 23, 2007.
- 4. **Buckley TA**, Pitsikoulis C, Barthelemy EJ, Hass CJ. Progressive Resistance Training Improves Strength and Sit-to-Stand Performance in Parkinson Disease Patients. *American College of Sports Medicine Meeting*. New Orleans, LA. June 1, 2007.
- 3. **Buckley TA**, Crawley JC, Hillis CJ. Strength Variability in Untrained College Students. *Eastern Athletic Trainers Association*. Boston, MA. Jan 7, 2007.

- 2. **Buckley TA**, Pitsikoulis C, Hass CJ, Gentile A, Wolf SL. Dynamic Stability during Sit-to-Walk transitions in Parkinson Disease Patients. *Society for Neuroscience*. 353.16 Atlanta, GA. Oct 16, 2006.
- 1. **Buckley TA**, Bleggi SD, Ingersoll CD, Ozmun JC. The Effect of Russian Stimulation Combined with Isotonic Exercise on Peak Muscular Force. *National Athletic Trainers' Association Annual Meeting*. Baltimore, MD. June 1998.
- * Student/Post-Doc lead research projects or Senior Author (89)

Professional Presentations

Conference Presentations

- 50. Post-Concussion Dynamic Postural Control During Transitional Movements.

 Rehabilitation Biomechanics Conferences. Shandong Sport University, Rizhao, China, (Virtual). April 22, 2022.
- 49. *Age of First Exposure to Collision Sports and Neurological Health*. Synaptek Webinar Series. October 26, 2021.
- 48. Age of First Exposure to Collision Sports and Neurological Health. Mid-Atlantic Regional Chapter of the American College of Sports Medicine. Session Title: Emerging Evidence and Challenges in Concussion Research for Clinicians and Scientists. Session Co-Presenters: Jessie Oldham, Ph.D., Jake Resch, Ph.D. Harrisburg, PA. November 6, 2020.
- 47. Age of First Exposure to Collision Sports and Neurological Health. Precision Athletic Training Lecture Series. Seminar Co-Presenter: David Howell, Ph.D. July 29, 2020.
- 46. The Age of First Exposure and Neurocognitive Performance. 4th Annual NCAA-U.S. Department of Defense Grand Alliance Concussion Conference: A New Era of Scientific Collaboration. Blacksburg, VA. April 23, 2020. (Meeting Cancelled due to COVID-19)
- 45. Sports Related Concussions: Delaware's Engagement in CARE. Brain Injury Association of Delaware Annual Meeting. Dover, DE. March 5, 2020.
- 44. Age of First Exposure to Contact Sports and Neurological Health. <u>Eastern</u>
 <u>Athletic Trainers' Association Annual Meeting</u>. Session Co-Presenter: Jaclyn
 Caccese, Ph.D. Mashantucket. CT. January 11, 2020.
- 43. In Athletes that Participated in Collision/Contact Sports, Does Age of First Exposure Adversely Affect Neurological Health Across the Lifespan? Delaware Athletic Trainers Association Annual Meeting. Clayton, DE. December 8, 2019.

- 42. Post-Concussion Dynamic Postural Control During Transitional Movements.

 <u>University of Utah Motor Control and Concussion Symposium</u>. Salt Lake City,
 UT. October 16, 2019.
- 41. Is There An Increased Risk Of Subsequent Musculo-Skeletal Injury Following A Concussion? Pennsylvania Athletic Trainers' Society Annual Meeting. Gettysburg, PA. June 1, 2019.
- 40. Is There An Increased Risk Of Subsequent Musculo-Skeletal Injury Following A Concussion? Athletic Trainers Society of New Jersey Annual Conference and Business Meeting. Somerset, NJ. February 25, 2019.
- 39. Estimated age of first exposure to football and neurocognitive performance amongst NCAA student-athletes. NCAA/DoD CARE Grand Alliance Investigators Meeting. Chicago, IL. February 7, 2019.
- 38. Dynamic Movement Deficits after Concussion and their Potential Consequences.

 <u>European College of Sport Science</u>. Session Co-Presenters: David R. Howell,
 Ph.D, Robert C. Lynall, Ph.D. Dublin, Ireland. July 5, 2018.
- 37. The NCAA/DoD Grand Alliance Concussion Assessment, Research, and Education (CARE) Consortium: Implications for Athletic Training Clinical Practice. Eastern Athletic Trainers Association Annual Meeting. Session Co-Presenter: Ryan Tierney and Kenneth Cameron. Boston, MA. January 7, 2018.
- 36. Current Topics of Concussion Evaluation and Management. <u>Eastern Athletic Trainers Association Annual Meeting</u>. Session Co-Presenter: Thomas Kaminski. Boston, MA. January 6, 2018.
- 35. Update on the Berlin Concussion-in-Sport Guidelines. Delaware Athletic Trainers' Association Annual Meeting. Newark, DE. December 3, 2017.
- 34. Long Term Implications of Concussions. Thomas Jefferson University Continuing Medical Education (CME) Online Series. Philadelphia, PA
- 33. Years of Sport Participation and Neurocognitive Performance amongst NCAA Football and Non-Contact Student-Athletes. NCAA/DoD CARE Grand Alliance Investigators Meeting. Chicago, IL. June 13, 2017.
- 32. Concussion and Risk of Subsequent Musculoskeletal Injury. National Athletic Trainers' Association Annual Meeting. Minicourse. Session Co-Presenters: David R. Howell, Ph.D, Robert C. Lynall, Ph.D. Houston, TX. June 26, 2017.

- 31. Is There An Increased Risk Of Subsequent Musculo-Skeletal Injury Following A Concussion? Delaware Athletic Trainers' Association Annual Meeting. Dover, DE. December 4, 2016.
- 30. In Adolescent/College athletes with concussions, does limited/no activity decrease the time of recovery as compared with light to moderate activity? Precision Athletic Training Conference. Waltham, MA. November 20, 2016.
- 29. Understanding Balance Control and Cognitive Processing Deficits Following Concussion and their Consequences. American Society of Biomechanics Annual Conference. Session Co-Presenters: David R. Howell, Ph.D., Robert Lynall, Ph.D., Dan Herman, MD, Ph.D. Raleigh, NC. August 4, 2016.
- 28. Concussions Getting Your Head Out of the Game. Mini-Medical School Lecture Series: Christiana Care. Co-Presenter: Kristopher Faycok, MD. Wilmington, DE. April 7, 2016
- 27. Post-Concussion Balance Deficits Are Athletic Trainers Missing Lingering Impairments? Eastern Athletic Trainers' Association Annual Meeting. Session Co-Presenter: David R. Howell, Ph.D., Boston, MA. January, 10 2016.
- 26. Subconcussive Impacts in Sport ---- What's the Big Deal from an Athletic Training Perspective? Eastern Athletic Trainers' Association Annual Meeting. Session Co-Presenters: Thomas Kaminski, Ph.D.; Peter Kriz, M.D., Theresa Miyashita, Ph.D. Boston, MA. January, 10 2016.
- 25. Effectiveness of Post-Concussion Cognitive and Physical Rest. Delaware Athletic Trainers' Association Annual Meeting. December 6, 2015.
- 24. The Efficacy of Post-Concussion Cognitive and Physical Rest. National Athletic Trainers' Association Annual Meeting. St. Louis, MO. June 26, 2015.
- 23. Post-Concussion Rest: What is the Evidence Behind the "Cornerstone". Elon BrainCARE Symposium. Elon, NC. May 8, 2015.
- 22. Concussion: Is "Recovered" Truly "Recovered"? University of Delaware Sports Medicine Conference. Newark, DE. February 7, 2015.
- 21. *Utilization of Technology in Concussion Management*. 2nd Delaware Youth Sports Concussion Summit. Newark, DE. November 20, 2014.
- 20. Concussion Roundtable: Bridging the Gap between on Field and Clinic Management. The National Sports Medicine Foundation. Leesburg, VA. July 29, 2014.

- 19. Concussion Recovery: is 7 10 Days Sufficient? National Athletic Trainers' Association Annual Meeting. Indianapolis, IN. June 26, 2014.
- 18. Concussion Recovery: Do We Need to Redefine "Recovered"? Southeastern
 Athletic Trainers' Association Annual Meeting. Atlanta, GA. March 14, 2014.
- 17. The Efficacy of Post-Concussion Cognitive and Physical Rest. Southeast

 American College of Sports Medicine Annual Meeting. Greenville, SC. February
 13, 2014. (Conference canceled due to weather).
- 16. Creating Meaningful Assignments and Research in the Undergraduate
 Curriculum Using Evidence Based Medicine. Southeast Athletic Trainers'
 Association 5th Biennial Educator's Conference. Atlanta, GA. February 7, 2014.
- 15. Postural Instability and Mild Traumatic Brain Injury. Third Annual Johns Hopkins Traumatic Brain Injury Conference: Biomarkers in Neurologic Trauma. Johns Hopkins University, Baltimore, MD. May 11, 2013.
- 14. The Beneficial Effects of Exercise for People with Parkinson's Disease.

 Southeastern American College of Sports Medicine Annual Meeting. Session CoPresenters: Chris Hass, Ph.D.; Joe Nocera, Ph.D. Greenville, SC. February 15,
 2013.
- 13. Barefoot Running What Does the Evidence Say? Georgia Athletic Trainers' Association Annual Meeting. Peachtree City, GA. January 18, 2013.
- 12. Sports Related Concussion Injury. Society of Trauma Nurses Annual Meeting. Co-Presenter: David Wright, MD. Savannah, GA. April 12, 2012.
- 11. Sports Related Concussion: A Contemporary Perspective on Sports Related Concussions: Research and Applications. <u>Mu Kappa Nursing Research Day, Georgia Southern University</u> **Keynote Address**. Statesboro, GA. March 5, 2012.
- 10. Evidence Based Evaluation and Management of Concussions. Southeast Athletic Trainers' Association Annual Meeting. Session Co-Presenters: Stephen Macciocchi, Ph.D., ABPP; Kenneth Mautner, M.D., Atlanta, GA. March 13, 2011.
- 9. The Sports Concussion Assessment Tool (SCAT-2). Georgia Athletic Trainers' Association Annual Meeting. Peachtree City, GA. January 15, 2011.
- 8. High School Coaches' Knowledge of Concussions. Southeast Athletic Trainers' Association Annual Meeting. Panama City, FL. March 20, 2009.

- 7. Concussion Panel Discussion Update on Recent Concussion Research Findings.

 Georgia Athletic Trainers' Association Annual Meeting. Co-Presenter: Kenneth Mautner, M.D., Peachtree City, GA. January 16, 2009.
- 6. Ewing Sarcoma in a Women's Basketball Player: A Case Study. Georgia Athletic Trainers' Association Annual Meeting. Peachtree City, GA. January 19, 2008.
- 5. Dominican College Athletic Training Approved Clinical Instructor Workshop. Orangeburg, NY. May 27, 2005 & May 28, 2002
- 4. Bioenergetics of Strength, Power and Endurance Training. Pro-Core Physical Therapy Symposium in Conjunction with Dominican College Physical Therapy Education Program. Dominican College; Orangeburg, NY. April 30, 2005.
- 3. Patella-Femoral Pain Syndrome in the Adolescent Athlete. Westchester-Rockland Sports Medicine Symposium. Orangeburg, NY. December 2, 2003.
- 2. *Injury Prevention for the Recreational Athlete*. <u>Hunter College Recreation</u> <u>Department & National Fitness Week</u>. Manhattan, NY. May 1999.
- Injury Prevention and Recognition for Personal Trainers. <u>ACSM Exercise</u> <u>Leader Workshop</u>. CUNY Hunter College ACSM Leadership Workshop. Manhattan, NY. July 1998.

Invited Academic Presentations

- 23. Age of First Exposure to Collision Sports and Neurological Health. University of Nevada. Reno, NV. October 29, 2021
- 22. The NCAA/DoD Concussion Assessment, Research and Education (CARE) Consortium: Overview of the Largest Concussion Study in the U.S. Crozer-Keystone Health System Sports Medicine Primary Care Grand Rounds. Springfield, PA. February 19, 2020.
- 21. Post-Concussion Impaired Dynamic Postural Control and Subsequent
 Musculoskeletal Injury. Virginia Commonwealth University School of Medicine
 Grand Rounds. Richmond, VA. November 22, 2019.
- 20. Identification of Post-Concussion Impaired Dynamic Postural Control and Subsequent Musculoskeletal Injury. Exercise & Sport Injury Laboratory at the University of Virginia. Charlottesville, VA. November 21, 2019.
- 19. Post-Concussion Dynamic Postural Control During Transitional Movements. <u>University of Nevada</u>. Reno, NV. October 17, 2019.

- 18. Long Term Effects of Concussion. BMEG 442: Engineering Exercise and Sports. University of Delaware. May 2, 2019.
- 17. The NCAA/DoD Concussion Assessment, Research and Education (CARE) Consortium: Overview of the Largest Concussion Study in the U.S. <u>Ludwig-Maximillians Universitat</u>. Session Co-Presenter: Kesley Bryk. Munich, Germany. January 25, 2019.
- 16. Concussion Assessment and Rehabilitation. <u>SRH Hochschule Heidelberg</u>
 <u>Universitat</u>. Session Co-Presenter: Kesley Bryk. Heidelberg, Germany. January 23, 2019.
- 15. Persistent Post-Concussions Postural Control Deficits and Subsequent
 Musculoskeletal Injury. United States Army Research Institute of Environmental
 Medicine. Natick, MA. January 8, 2018.
- 14. Current Concussion Management: Controversies, Misinformation, and Future Directions. University of Nevada at Las Vegas. Las Vegas, NV. March 30, 2017. https://www.unlv.edu/event/current-concussion-management
- 13. The Role of Physical Therapists in Concussion Management. SRH Hochschule Heidelberg University. Heidelberg, Germany. October 25, 2016.
- 12. *Head Impact Measurements in Sports*. MEEG 482/682: Clinical Biomechanics. <u>University of Delaware</u>. April 27, 2016.
- 11. *Maintaining a Work/Life Balance*. Professional Development Workshop for Graduate Students. <u>University of Delaware</u>. February 4, 2016.
- Concussions: Current Controversies and Research Directions. Biomechanics and Movement Science Program Seminar Series. <u>University of Delaware</u>. March 27, 2015.
- 9. Sports Related Concussions. JOUR 301: Introduction to Journalism. <u>University</u> of Delaware. March 17, 2015.
- 8. Concussions & Motor Control Implications. APK 6206: Planning Motor Actions. Graduate Biomechanics Program: <u>University of Florida</u>. March 20, 2013.
- 7. Exercise Recommendations for Individuals with Parkinson's Disease. KINS 7237: Exercise and Special Populations. Graduate Exercise Science Program; Georgia Southern University. Spring 2009, 2010.
- 6. Contemporary Issues in Athletic Training: Updates on Sports-Related Concussion Research. KINS 3322: Clinical Applications II. Undergraduate Athletic Training Education Program. Georgia Southern University. Spring 2009.

- 5. Understanding the Basics of Injury Rehabilitation. KINS 7431: Applied Sport Physiology. Graduate Exercise Science Program. Georgia Southern University. Fall 2008, 2009.
- 4. *The Academic Job Market: Tips for Applying, Interviewing, and Negotiating.* Biomechanics Laboratory Seminar. <u>University of Florida</u>. Fall 2008.
- 3. Biomechanical Assessment of Gait. KINS 4330: Evaluation of Lower Extremity Injuries. Undergraduate Athletic Training Education Program. Georgia Southern University. Fall 2008.
- 2. Overview of the Orthopedic Assessment. NR 500: Comprehensive Health Assessment. Graduate Program in Nursing: Master of Science, Family Nurse Practitioner. Dominican College. Fall 2003 2006.
- 1. Recognition and Referral of Classroom Injuries. ED 472: Seminar (Adolescent). Undergraduate Secondary Education Program. <u>Dominican College</u>. Fall 2004.

Free Communication Conference Presentations

- 22. Persistent Deficits in Dynamic Postural Control Despite Concussion Clinical Recovery. International Society of Biomechanics Annual Meeting. Calgary, Alberta, Canada. August 2, 2019.
- 21. Females have a Higher Post-Concussion Subsequent Injury Rate than Male Collegiate Athletes. American Academy of Neurology Annual Meeting. Philadelphia, PA. May 5, 2019.
- 20. Concussion and Subsequent Lower Extremity Musculoskeletal Injury: Influence of Gender. European Congress on Sports Sciences Annual Meeting. Dublin, Ireland. July 5, 2018.
- 19. Year to Year Reliability of the King Devick Test in Collegiate Student-Athletes: An NCAA/DoD Grand Alliance Report. American Academy of Neurology Sports Concussion Conference. Jacksonville, FL. July 15, 2017.
- 18. Acute Cognitive and Physical Rest Do Not Improve Concussion Recovery Time.

 <u>American Academy of Neurology Annual Meeting</u>. Vancouver, BC, Canada.

 April 17, 2016.
- 17. Evidence of a Conservative Gait Strategy in Athletes with a History of Concussions. American College of Sports Medicine Annual Meeting. San Diego, CA. May 27, 2015.

- 16. Lingering Impairments in Postural Control Despite Clinical Concussion Recovery. American Academy of Neurology Annual Meeting. Washington, DC. April 22, 2015.
- 15. Altered Gait Strategy in Individuals with a History of Multiple Concussions.

 Mid-Atlantic American College of Sports Medicine Annual Meeting. November 1, 2014
- 14. Acute Cognitive and Physical Rest Do Not Improve Concussion Recovery Time.

 National Athletic Trainers' Association Annual Meeting. Indianapolis, IN. June 26, 2014.
- 13. The Influence of Student-Athlete Demographics on Concussion Knowledge and Attitude. American College of Sports Medicine Annual Meeting. Indianapolis, IN. May 31, 2013.
- 12. Concussion Knowledge and Attitude Amongst Collegiate Athletes. Southeast American College of Sports Medicine Annual Meeting. Greenville, SC. February 14, 2013.
- 11. Acute Concussion Impairs Dual Task Gait Performance. National Athletic Trainers' Association Annual Meeting. St. Louis, MO. June 29, 2012
- 10. Altered Gait Termination Strategies Following Concussion. Southeast American College of Sports Medicine Annual Meeting. Jacksonville, FL. February 10, 2012.
- 9. Altered Gait Mechanics Following a Concussion. <u>National Athletic Trainers</u>
 <u>Association Annual Meeting</u>. New Orleans, LA. June 20, 2011.
- 8. Initial Concussion Presentation Does Not Predict Gait Initiation Performance.

 <u>American College of Sports Medicine Annual Meeting</u>. Denver, CO. June 2, 2011.
- 7. A Competitive Athletic Season Alters Balance Error Scoring System Performance.

 Southeastern Athletic Trainers' Association Annual Meeting. Atlanta, GA.

 March 12, 2011.
- 6. Initial Concussion Presentation Does Not Predict Time for Return to Participation or Initial Symptom Report. Southeastern American College of Sports Medicine Annual Meeting. Greenville, SC. February 3, 2011.
- 5. Student-Athlete's Underreporting of Concussions and Concussion Symptoms.

 <u>Southeast American College of Sports Medicine Annual Meeting</u>. Greenville,
 SC. February 12, 2010.

- 4. Dynamic Postural Stability during Gait Initiation is Impaired Following a Concussion: A Preliminary Analysis. National Athletic Trainers' Association Annual Meeting. San Antonio, TX. June 20, 2009.
- 3. Gait Initiation is Impaired Following Mild Traumatic Brain Injury. Southeast American Society of Biomechanics. Gainesville, FL. April 24, 2009.
- 2. Variability in 1-RM Strength amongst Parkinson Disease Patients. Southeast American College of Sports Medicine Annual Meeting. Birmingham, AL. February 14, 2009.
- 1. Progressive Resistance Training Improves Sit-to-Walk Performance in Parkinson Disease Patients: A Pilot Study. Gait & Clinical Movement Analysis Society. Richmond, VA. April 4, 2008.

Public Presentations

- 11. *Concussions & STEM programs in College*. Padua Academy, Wilmington, DE. September 19, 2019.
- 10. Concussion Research Program. <u>University of Delaware Day at Delaware</u> Legislative Hall. Dover, DE. May 3, 2016.
- 9. Concussions Getting Your Head Out of the Game. Mini-Medical School Lecture Series: Christiana Care. Co-Presenter: Kristopher Faycok, MD. Wilmington, DE. April 7, 2016
- 8. *Concussions/mild traumatic brain injury.* Medical Lecture Series; Osher Lifelong Learning Institute, Wilmington, DE. February 9, 2016.
- 7. *Concussions in Sports: Lecture and a Movie.* Penn Cinema Riverfront, Wilmington, DE. January 14, 2016. http://chs.udel.edu/concussion/
- 6. Expert Panel Discussion: Concussion Management. Health and Wellness Expo: National Public Health Week. University of Delaware. April 11, 2015.
- 5. Sport-Related Concussion Epidemic in the United States. Science Café. Newark, DE. March 25, 2015.
- 4. Utilization of the Helmet Impact Telemetry System and Postural Control Assessments for Concussion Management. Fort Leonard Wood Traumatic Brain Injury Symposium. Fort Leonard Wood, MO. June 5, 2014.
- 3. Concussion Research Program. Georgia Southern University Day at the State Capital Building. Atlanta, GA. March 13, 2014.

- 2. Exercise for People with Parkinson's: A Scientific Rationale. Riverside
 Parkinson's Self Support Group. St. John's Hospital; Yonkers, NY. Feb 9, 2007.
- 1. Exercise for People with Parkinson's: A Scientific Rationale. National
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- 2. **CKNW (News Talk 980)**, Vancouver, BC, Canada. *Concussion Movie: Concussions and Football*. December 22, 2015.
- 1. **WYAY (AllNews 106.7)**, Atlanta, GA. *Utilization of the Helmet Impact Telemetry System in the Georgia Southern Concussion Research Program*. August 2013.

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- **3. Outside**. *Could Biomarkers Be the Key to Concussion Recovery*. June 30, 2021. Available at: https://www.outsideonline.com/2422626/biomarkers-concussion-recovery-research.
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- 1. **National Association of Collegiate Directors of Athletics Magazine**. *The Future of Concussions in Collegiate Athletics*. Volume 49, Issue 3, April 2014. Pages 16 18.

Dissertation Advisement

Dissertation Committee Chair: Completed

1. Oldham J. Clinical Implications of Lingering Deficits in Post-Concussion Postural Control. Successful Defense: Spring 2018. Committee Members:

- Jeremy Crenshaw, Ph.D., Chris Knight, Ph.D., David R. Howell, Ph.D (Colorado Children's Hospital).
- Current Position: Assistant Professor, Department of Physical Medicine and Rehabilitation. Virginia Commonwealth University
- 2. Bryk KN. An Investigation into the Effects of Persistent mTBI Symptoms on Neurophysiological Health of Working Age Adults. Successful Defense: January 2021. Committee Members: Darcy Reisman, Ph.D., Jennifer Semrau, Ph.D., Li-Shan Chou, Ph.D. (Iowa State University). Current Position: Clinical Research Associate, Neurotrack.
- 3. Hunzinger K. *The Cumulative Effects of Prolonged Repetitive Head Impacts Exposure into Adulthood.* Successful Defense: January 2022. Committee Members: C. Buz Swanik, Ph.D., Willam Meehan, MD (Boston Children's Hospital), Rebekah Mannix, MD, MPH (Boston Children's Hospital). Current Position: Post-Doc Researcher at the University of Pennsylvania.

Dissertation Committee Member: Completed

- 7. Tracy, J. *Lateral Perturbations and Balance Control*. University of Delaware. Committee Chair: Jeremy Crenshaw. Committee Members: **Buckley TA**, Hafer J. Reimann JH, Allen J (West Virginia University). Successful Defense: Spring 2022. Current Position: Post-Doc Researcher, Colorado Children's Hospital.
- 6. Wahlquist VE. Purposeful Soccer Heading Exposure, Concussion Incidence, and Clinical Outcomes in Youth Soccer Players. Committee Chair: Kaminski TW. Committee Members: **Buckley TA**, Caccese JB, Royer T, Glutting J. Successful Defense, Fall 2021.
- 5. Matte, D. *Investigation of the Upper Quarter Y-Balance Test as a Predictor of Upper Extremity Injury in Football: A Prospective Cohort Study.* Rocky Mountain University of Health Professions. Successful Defense: Spring 2021. Committee Chair: Brumitt J. Committee Members: **Buckley TA**, Edsall J.
- 4. Santos, F. *The Effect of Repetitive Head impacts in Sensory Reweighting and Human Balance*. Committee Members: John Jeka, Ph.D., (Chair), Matthew Hudson Ph.D. <u>Successful Defense</u>: <u>Spring 2019</u> Current Position: Research Scientist, Bertec, Inc.
- 3. DiTraini A. Neuromechanical Contributions to Hamstring Stiffness
 Dysregulation and Injury. Committee Members: Buz Swanik, Ph.D. (Chair), Jeff
 Rosen, Ph.D., Karin Silbernagel, Ph.D. Successful Defense: Spring 2017.
 Presented at NATA Annual Meeting.
 Current Position: Assistant Professor, Neumann University

- 2. Struminger A. Factors Influencing Upper Extremity Tissue Characteristics and Injury in Youth Overhead Athletes. Successful Defense: Spring 2017. Buz Swanik, Ph.D. (Chair), Alfred Atanda M.D., James Richards, Ph.D. Presented at NATA and ACSM Annual Meeting.
 - Current Position: Assistant Professor, Eastern Michigan University
- 1. Caccese J. Head Acceleration Across Youth, High School, and Collegiate Soccer Players. Successful Defense: Summer 2016. Thomas Kaminski, Ph.D. (Chair), Kristy Arbogast, Ph.D., Joseph Glutting, Ph.D., William Rose, Ph.D., Ryan Tierney, Ph.D. Multiple Publications: Sports Biomechanics, Journal of Athletic Training, and Research in Sports Medicine.

Current Position: Assistant Professor at Ohio State University

Dissertation Committee Member: In Progress

- 7. Yamaguchi FK. *Repetitive Head Impacts and Sensory Reweighting*. Committee Chair: Jeka JJ. Committee Members: **Buckley TA**, Caccese JB, Hudson MB. Proposal Winter 2021.
- 8. Chou TY. Concussion and Drop Jump Landing Biomechanics. Committee Chair: Kaminski TW. Committee Members: **Buckley TA**, Hafer J. Qualifying Exam: Fall 2021.

Thesis Advisement

Thesis Committee Chair: Completed

- Fasoranti, Z. The Effects of Repetitive Head Impacts on Neurocognitive Function.
 M.S. in Neuroscience Program. Successful Defense: Spring 2022
- 25. Browne S. Concussion and Subsequent Lower Extremity Injuries in National Football League Players. Successful Defense: Spring 2018.
- 24. Howard C. Association Between Concussion and Lower Extremity
 Musculoskeletal Injury in Collegiate Student-Athletes: Predictors of Subsequent
 Injury. Successful Defense: Spring 2018. Published in Medicine and Science and
 Sports and Exercise.
- 23. Best C. *Head Impact Exposures and Neurologic Function of Collegiate Football and Soccer Players*. Successful Defense: Spring 2016. Presented at 2017 NATA Annual Meeting. Published in *Medicine and Science in Sports and Exercise*.

- 22. Kriebel L. *The Effects of Fatigue and Injury on the King-Devick Test Across a Field Hockey Season*. Successful Defense: Spring 2016.
- 22. Flora C. The Effect of Concussion History on Gait Pattern during Dual Task Gait Examinations. Successful Defense: Spring 2016.
- 21. Dorrien J. *The Utilization of the Functional Movement Screen in Detecting Changes Following a Concussion in Recreational Athletes.* Successful Defense: Winter 2014. <u>Published in Athletic Training & Sports Health Care.</u>
- 20. Gilbert F. Concussion Reporting Rates at the Conclusion of a Collegiate Athletic Career. Successful Defense: April 2014. Published in Sports Health: A Multidisciplinary Approach.
- 19. Johns K. Does the Multifaceted Baseline Concussion Assessment Aid in Predicting Future Risk of Concussion. Successful Defense: April 2014. Presented at NATA Annual Meeting. Published in Research in Sports Medicine.
- 18. Sanders EW. *The Use of a Visual Motor Test to Identify Lingering Deficits in Concussed Collegiate Athletes*. Successful Defense: April 2014. Presented at NATA Annual Meeting. <u>Published in Journal of Clinical and Translational Research</u>.
- 17. Carlson C. *The Interrater and Intrarater Reliability of the Balance Error Scoring System in Acutely Concussed Individuals*. Successful Defense: April 2014. Presented at NATA Annual Meeting. <u>Published in Athletic Training & Sports Health Care</u>.
- 16. Bockelman K. *The Effectiveness of a Dual Task Concussion Assessment for Identifying Impairments in a Concussed Population*. Successful Defense: April 2014. Presented at NATA Annual Meeting.
- 15. Miller K. Concussion Knowledge and Attitude in Amongst Motorcross Participants. Successful Defense, April 2013. Presented at NATA Annual Meeting. <u>Published in Concussion</u>.
- 14. Williams, J. Concussion Knowledge and Attitude amongst English Football Players. Successful Defense, April 2013. Presented at NATA Annual Meeting. Published in Journal of Sports and Health Science.
- 13. Hunter L. *Impact of Initiation of Exercise Protocols on Postural Control Post-Concussion*. Successful Defense, April 2013. Presented at NATA Annual Meeting.
- 12. Simons B. Effectiveness of Concussion Education Programs for Coaching Education Students. Successful Defense: June 2013.

- 11. Llewellyn, T. Concussion Reporting Accuracy Following Participation as an NCAA Competitive Student-Athlete. Successful Defense, April 2012. Presented at NATA Annual Meeting. <u>Published in Clinical Journal of Sports Medicine</u>.
- 10. Moreau, M. NCAA Division I Student–Athletes' Lived Experience of an Inseason Concussion. Successful Defense, April 2012. Presented at NATA Annual Meeting. <u>Published in International Journal of Exercise Science</u>.
- 9. Byran, A. *Impairments in Dynamic Postural Stability Following a Lateral Ankle Sprain*. Successful Defense, April 2012. Presented at NATA Annual Meeting.
- 8. Krazeise, D. *Dynamic Postural Control in Individuals with a History of Multiple Concussions*. Successful Defense, April 2011. Presented at NATA Annual Meeting. <u>Published in Journal of Sport and Health Sciences</u>.
- 7. Rahn, C. *Influence of Testing Environment on Performance of the Balance Error Scoring System*. Successful Defense, April 2011. Presented at NATA Annual Meeting. <u>Published in Clinical Journal of Sports Medicine</u>.
- 6. Kelly, K. Concussion Management Practice Patterns Amongst NCAA Division I Athletic Trainers. Successful Defense, April 2011. Presented at NATA Annual Meeting. <u>Published in Journal of Athletic Training</u>.
- 5. Burk, J. *Influence of Athletic Participation on Balance Error Scoring System*. Successful Defense, April 2010. Presented at NATA Annual Meeting. <u>Published in Clinical Journal of Sports Medicine</u>.
- 4. Phillips, J. *Psychosocial Factors influencing Concussion Reporting to High School Athletic Trainers*. Successful Defense, March 2010. Presented at Southeast Athletic Trainers Association Annual Meeting.
- 3. Saunders, E. *The Effectiveness of the CDC's Heads-Up Video on Coaching Education Students' Knowledge of Sports-Related Concussions.* Successful Defense, March 2010. Presented at Southeast Athletic Trainers Association Annual Meeting. Published in *Athletic Training & Sports Health Care.*
- 2. Raycraft, E. *Dynamic Postural Stability during Gait Initiation in Individuals with Chronic Ankle Instability*. Successful Defense, March 2009. Presented at NATA Annual Meeting.
- 1. Tolson, J. *Influence of Direction on Stepping Parameters and Postural Stability in Individuals with Chronic Ankle Instability*. Successful Defense, March 2009. Presented at NATA Annual Meeting.

Thesis Committee Member: Completed

- 22. Roger, S. Examination of Concussions and their Effect on Functional Movement Screening in Collegiate Athletes. Successful Defense: Spring 2018.
- 21. Schlageter, S. *Does Altered Emotional Regulation Modify Visual Attention Among Injured Athletes*? Successful Defense: Spring 2018.
- 20. Sellers, W. Near Point Convergence and Tandem Gait Performance in High School Athletes. Successful Defense: Spring 2018
- 19. Hunter, C. Examining the Relationship between Purposeful Heading and Neurocognitive Performance during the Playing Careers of Female Collegiate Soccer Players. Successful Defense: Spring 2018
- 18. Liljeberg, J. Examining The Functional Movement Screen And Y Balance Test Scores In A Cohort Of Intercollegiate Athletes Before And After A Training Intervention. Successful Defense: Spring 2018
- 17. Kinsey MJ. Estrogen Effects on ACL Laxity and Neurocognitive Function in Young Women. Successful Defense: Spring 2017.
- 16. Agbese, O. Functional Movement Screen and Instrumented Balance Measurements as Injury Predictors. Successful Defense: Spring 2016.
- 15. Lamond, LC. Differences in Head Acceleration Across Impact Type, Player Position, and Playing Scenario in Collegiate Women's Soccer Athletes.

 Successful Defense: Spring 2016. Published in Journal of Athletic Training.
- 14. Henderson E. The Relationship Between The Cumberland Ankle Instability Tool and Ankle Re-Injury in Collegiate Athletes. Successful Defense: Spring 2015
- 13. Evans KM. Changes in Static Postural Control Following a Concussion: Linear vs Non-linear Measures. Successful Defense: Spring 2015
- 12. Hellwig C. *The False-Positive Rate of the Multifaceted Concussion Assessment Battery*. Successful Defense: Spring 2015
- 11. Transou (Turner) S. Emotional Response to Concussion Compared to Musculoskeletal Injury. Successful Defense: Summer 2015. <u>Published in Sport, Exercise, and Performance Psychology</u>.
- 10. Shiflett E. *The Effect of Subconcussive Impacts on Postural Control in Division I NCAA Football Players*. Successful Defense: Spring 2015. <u>Published in International Journal of Psychophysiology</u>.

- 9. Oldham J. *Alterations in Gait Termination Strategies Following a Sports Related Concussion*. <u>University of North Carolina at Charlotte</u>. Successful Completion: Spring 2014. <u>Published in *Gait and Posture*</u>.
- 8. Kowata H. The Relationship between Laboratory-Based Anterior Cruciate Ligament Injury Risk Assessments and Real World Basketball Performance in Recreational Basketball Athletes. Successful Defense: April 2014.
- 7. Staples J. *Performance Validity Testing in Baseline Concussion Assessments*. Successful Defense: June 2013.
- 6. Ingram RL. Influence of Fatigue on Scapular Upward Rotations in Competitive Tennis Players. Successful Defense, April 2013. <u>Published in Journal of Athletic Training.</u>
- 5. Tapia T. Reaction Time Assessment when Recovered From a Sports Related Concussion. Successful Defense: June 2013.
- 4. Previs, K. Longitudinal Alterations in Gait Parameters Following Concussion. Successful Defense: May 2012.
- 3. Kirby, M. *Use of Wii-Fit Gaming System to Improve Balance in Collegiate Student Athletes: Stable vs Unstable Surfaces.* Successful Defense, April 2011.
- 2. Wiart, D. Monitoring Recovery in Women's Swimming Across a Competitive Collegiate Season. Successful Defense, April 2010.
- 1. Van Dyke, M. *Influence of Participation in a Women's Basketball Season on Res-Q 76 and Reactive Strength Index*. Successful Defense, April 2010.

Courses Instructed

University of Delaware KAAP 305: Fundamentals of Sports Health Care Research Methods KAAP 400: International Perspectives in Sports Medicine (Study Abroad) KAAP 440: Organization and Administration of Athletic Training KAAP 448: KAAP 609: Concussion Pathology and Management Neurophysiological Basis of Human Movement KAAP 651: **Georgia Southern University** KINS 3134: Biomechanical Analysis of Movement Senior Seminar in Athletic Training KINS 4618: Clinical Practicum in Athletic Training, II KINS 4722: KINS 7099: Research Writing in Kinesiology Clinical Teaching Skills in Athletic Training KINS 7330: KINS 7333: Advanced Evaluation Skills in Athletic Training Advanced Rehabilitation Skills in Athletic Training KINS 7334: KINS 7336: Current Issues in Athletic Training KINS 7433: Prevention, Recognition, and Care of Athletic Injuries (Online) Evaluation and Rehabilitation of the Lumbar Spine KINS 7537: KINS 7731/2: Clinical Practicum: Teaching/Evaluating Athletic Training Skills

Thesis Advisement

KINS 7999:

Dominican College	
AH 221:	Personal and Community Health
AT 223:	Prevention and Care of Athletic Injuries, I
AT 224:	AT Techniques, I
AT 229:	AT Techniques, II
AT 332:	Assessment of Athletic Injuries, I
AT 337:	Assessment of Athletic Injuries, II
AT 444:	AT Techniques, V
AT 445:	Contemporary Dimensions in Athletic Training
AT 448:	Senior Seminar in Athletic Training
AT 449:	AT Techniques, VI
BI 332:	Kinesiology
BI 338:	Exercise Physiology
BI 538:	Physiology of Exercise (Graduate Physical Therapy Program)

CUNY at Hunter College

PEDCO 381: Basic Prevention and Care of Athletic Injuries PEDCO 451: Advanced Prevention and Care of Athletic Injuries PEDCO 352: Exercise Physiology

Indiana State University (Graduate Teaching Assistant)

ATTR 355/6: Clinical Fieldwork in Athletic Training, I & II

Service to Professional Scholarship

Editorial Board Memeber

- 1. Athletic Training and Sports Health Care: 2015 2021
- 2. Journal of Athletic Training: 2022 Current
- 3. Journal of Sport and Health Science: 2019 Current
- 4. Medicine and Science in Sports and Exercise: 2022 Current

Ad Hoc Journal Reviewer

- 1. American Journal of Sports Medicine
- 2. Annals of Biomedical Engineering
- 3. Applied Neuropsychology Adult
- 4. Archives of Physical Medicine and Rehabilitation
- 5. Assessment
- 6. Athletic Training and Sports Health Care
- 7. BMC Research Notes
- 8. BMJ Open Sport & Exercise Medicine
- 9. Brain Injury
- 10. British Journal of Sports Medicine
- 11. Clinical Biomechanics
- 12. Clinical Neurophysiology
- 13. Concussion
- 14. Current Sports Medicine Report
- 15. Disability and Health Journal
- 16. Gait and Posture
- 17. Ergonomics
- 18. Frontiers in Human Neuroscience
- 19. Frontiers in Neurology
- 20. Frontiers in Sports and Active Living
- 21. International Journal of Athletic Therapy and Training
- 22. International Journal of Exercise Science
- 23. International Journal of Sports and Exercise Psychology
- 24. International Journal of Sports Medicine
- 25. Journal of the American Medical Association (JAMA)
- 26. Journal of Applied Biomechanics
- 27. Journal of Athletic Training
- 28. Journal of Biomechanics
- 29. Journal of Neurotrauma
- 30. Journal of Orthopedic and Sports Physical Therapy
- 31. Journal of Pediatrics
- 32. Journal of Physical Education and Sport Management
- 33. Journal of Science and Medicine in Sport
- 34. Journal of Sport and Health Sciences
- 35. Journal of Sport Rehabilitation
- 36. Journal of Sports Medicine and Physical Fitness
- 37. Medicine and Science in Sports and Exercise

- 38. Neurology
- 39. Neuroscience Letters
- 40. Neurosurgery
- 41. Neurotrauma Reports
- 42. New England Journal of Medicine
- 43. Orthopedic Journal of Sports Medicine
- 44. Pediatrics
- 45. Physical Therapy Journal
- 46. Physician and Sports Medicine
- 47. Physiotherapy
- 48. PLoS One
- 49. Research in Sports Medicine
- 50. Scandinavian Journal of Medicine and Science in Sports
- 51. Sports Biomechanics
- 52. Sports Health: A Multidisciplinary Approach.
- 53. Sports Medicine
- 54. The Knee
- 55. Translational Issues in Psychological Science
- 56. Translational Journal of the American College of Sports Medicine.
- 57. Translational Sports Medicine

Textbook Reviewer

- 1. *Handbook of Clinical Neurology*. Edited by Brian Hainline and Robert Stern. 3rd Series. 2019.
- 2. ACSM's Guidelines for Exercise Testing and Prescription, 11th edition. Parkinson's Disease Chapter. 2020.
- 3. *Case Studies in Biomedical Engineering*. Concussion Case Study. McGraw Hill Publishing. 2022.

Grant Reviewer

- 23. Department of Defense. Congressionally Directed Medical Research Programs. FY21 Traumatic Brain Injury Psychological Health Blood Biomarker. February 2022.
- 22. National Institute of Health/Neurological Disease and Stroke. ZNS1 G35 Special Emphasis Panel. April 12, 2021.
- 21. National Athletic Trainers' Association Research and Education Foundation: 2021.
- 20. Physicians' Services Incorporated (Physicians of Ontario) Foundation. Winter 2021.
- 19. *National Institute of Health*. <u>Bioengineering of Neuroscience, Vision, and Low Vision Technologies (BNVT) Study Section</u>. October 30, 2020.
- 18. *National Institute of Health/Neurological Disease and Stroke*. <u>Comparative Effectiveness Research Review Panel (G29)</u>. May 14, 2020.
- 17. Physicians' Services Incorporated (Physicians of Ontario) Foundation. Spring 2020.

- 16. National Athletic Trainers' Association Research and Education Foundation: 2019.
- 15. *Institute of Translational Health Sciences*. Collaboration Innovation Award. Fall 2018.
- 14. Department of Defense: Peer Reviewed Medical Research Program Discovery: Musculoskeletal Disorders. Army Medical Research and Material Command (MRMC): Military Operational Medicine. Summer 2018.
- 13. Department of Defense. Clinical and Rehabilitative Medicine Research Program; Congressionally Directed Medical Research Programs. Army Medical Research and Material Command (MRMC): Military Operational Medicine. Fall 2017.
- 12. National Athletic Trainers' Association Research and Education Foundation: 2017.
- 11. Eastern Athletic Trainers' Association. 2017.
- 10. Department of Defense. Clinical and Rehabilitative Medicine Research Program; Congressionally Directed Medical Research Programs. Army Medical Research and Material Command (MRMC): Military Operational Medicine. Spring 2016.
- 9. *National Athletic Trainers' Association Research and Education Foundation*: 2016. (Declined due to conflict of interest with research team)
- 8. Department of Defense. Clinical and Rehabilitative Medicine Research Program; Congressionally Directed Medical Research Programs. Army Medical Research and Material Command (MRMC): Military Operational Medicine. Fall 2015.
- 7. National Athletic Trainers' Association Research and Education Foundation: 2015.
- 6. Eastern Athletic Trainers' Association. 2015
- 5. New Hampshire IDeA Network of Biomedical Excellence INBRE Grants. Dartmouth University. February 2015.
- 4. National Athletic Trainers' Association Research and Education Foundation: 2014.
- 3. Department of Defense. Clinical and Rehabilitative Medicine Research Program; Congressionally Directed Medical Research Programs. Neurosensory Research Award, April 2014.
- 2. National Athletic Trainers' Association Research and Education Foundation: 2013.
- 1. United States Army Research Office: Life Science Division: Neurophysiology and Cognitive Neuroscience. 2011.

External Tenure and Promotion Review

- 7. University of Delaware (External of the Department)
- 6. University of Colorado School of Medicine
- 5. Uniformed Services University of the Health Sciences
- 4. University of Mississippi Medical School
- 3. University of Virginia
- 2. University of Delaware (External to the Department)
- 1. Georgia Southern University

Conference Session/Abstract Reviewer

- 11. *North American Congress on Biomechanics Annual Meeting*. Scientific Abstract. 2022 Annual Meeting.
- 10. American Society of Biomechanics Annual Meeting; Scientific Abstracts. 2013 2021 Annual Meetings.
- 9. Canadian Society of Biomechanics Annual Meeting; Scientific Abstracts. 2020-2021 Annual Meetings
- 8. Eastern Athletic Trainers' Association Annual Meeting; Case Studies and Scientific Abstracts. 2015-2018, 2021-22 Annual Meetings
- 7. *National Athletic Trainers' Association Annual Meeting*: Conference Session Proposals. 2018 Annual Meeting.
- 6. *National Athletic Trainers' Association Annual Meeting*: Free Communications Committee. 2015-2020 Annual Meetings.
- 5. *National Athletic Trainers' Association Annual Meeting*: Free Communications Committee. 2016 Annual Meeting.
- 4. 7th World Congress on Biomechanics Quadrennial Meeting; Scientific Abstracts. 2014 Meeting.
- 3. Gait and Clinical Motion Analysis Society Annual Meeting; Scientific Abstracts. 2011 Annual Meeting.
- 2. Georgia Athletic Trainers Association Annual Meeting; Scientific Abstract and Case Study. 2010 2013 Annual Meeting.
- 1. *Southeast American Society of Biomechanics*; Podium and Poster Presentations. 2009 Annual Meeting.

Conference Session Moderator

- 9. *North American Congress on Biomechanics*. <u>Sport Injuries 2 Head Trauma</u>. Ottawa, Canada. August 25, 2022.
- 8. National Athletic Trainers' Association Annual Meeting. Concussion: What Are the Risks? Philadelphia, PA. June 29, 2022.
- 7. Mid Atlantic Chapter of the American College of Sports Medicine. Concussion Update. Harrisburg, PA. November 1, 2019.
- 6. International Society of Biomechanics/American Society of Biomechanics Annual Meeting. Balance Problems in Neurological Populations. Calgary, AB, Canada. August 2, 2019.
- 5. World Congress on Biomechanics Annual Meeting. <u>Dual-task</u>, Concussion, and <u>Sports Injuries</u>: Connecting Mind and Movement to Better Understand Sports <u>Injuries</u>. Dublin, Ireland. July 12, 2018.
- 4. American Society of Biomechanics Annual Meeting. Head Impacts and Concussions. Raleigh, NC. August 3, 2016
- 3. National Athletic Trainers' Association Annual Meeting. Pioneering Concussion Research. Baltimore, MD. June 23, 2016.
- 2. American College of Sports Medicine Annual Meeting. <u>Brain Power</u>. Boston, MA. June 3, 2016.
- 1. National Athletic Trainer' Association Annual Meeting. <u>Head Impact Measurements</u>. June 26, 2015.

NATA Research & Education Foundation

Free Communications Committee Member

2014 - 2020

MARC-ACSM Research Committee

Committee Member

2019 - 2021

Mentorship Programs.

NATA Faculty Mentor ASB Faculty Mentor 2016 – 17, 2020-21 2019 – 2020

Consensus Head Acceleration Practices (CHAMP) Group

2021 - Current

- Developed "best practices" for head acceleration measurement for repetitive head impacts and concussion kinematics.
- Best practices reporting checklist for video analysis of head impacts

Board of Certification (Athletic Training)

Exam Development: Exam Item Writer:

2009 - 2013

Delaware Youth Concussion

2014 - 2016

- Member of the group which was developed to promotor concussion awareness, education, and training for youth athletes in the state of Delaware.
- Co-hosted the 2nd Delaware Youth Concussion Summit at the University of Delaware. (November 20, 2014)

Southeast Athletic Trainers Association Annual Student Meeting

Student Jeopardy Contest – Item Writer:

2009 - 2013

Georgia Concussion Coalition

2010 - 2014

- http://www.gaconcussioncoalition.org/
- Member of the committee which was developed to promote concussion awareness amongst a diverse array of healthcare professionals, educational professionals, coaches, and state legislators.
- Supported legislative initiatives for Concussion Legislation in the state of Georgia based on the Zachery Lystedt law. Coalition was successful with the passage of HB 284 Return to Play Act of 2013.

Conference Organizer

Delaware Athletic Training Association

2015 - Current

Professional Education Chair

- Develop educational programming for the Delaware Athletic Trainers' Association annual meeting including recruitment of speakers and coordinating submission of Evidence Based Medicine CEUs.
- Moderating the Education Sessions of the annual meeting.
- Recruitment of additional members of the Delaware Professional Education subcommittee.

• Liaison with Stare of Delaware Education Agencies and the National Athletic Trainers Association Professional Education Committee.

Georgia Athletic Training Association Annual Meeting

2010 - 2014

Education Sub-committee.

- Developed first clinical case study and original research abstract for the GATA Annual Meeting. Free communication session remains ongoing.
- Annually manage "call for abstracts", review abstract submissions and assign poster and podium presentations.

Recommendations for presenters and topics for annual meeting

Professional Development - Conference Attended

Annual Meetings

National Athletic Trainers Association Annual Meeting and Symposium.

American College of Sports Medicine Meeting.

American Academy of Neurology Annual Meeting

Gait and Clinical Motion Analysis Society Annual Meeting.

American Society of Biomechanics

International Society of Biomechanics

International Society for Posture & Gait Research

World Congress on Biomechanics

European Society of Sports Science

Mid-Atlantic American College of Sports Medicine Annual Meeting

Southeast American College of Sports Medicine Annual Meeting

Delaware Athletic Trainers' Association Annual Meeting

Georgia Athletic Trainers' Association Annual Meeting.

Southeastern Athletic Trainers' Association Annual Meeting.

Southeastern Athletic Trainers' Association Educators Conference

National Academy of Neuropsychology Annual Conference.

Society for Neuroscience Annual Meeting.

Eastern Athletic Trainers' Association Annual Meeting.

Topic Specific Meetings

International Consensus Meeting on Concussion in Sport

American Academy of Neurology Sports Concussion Conference

Clinical Instructor Education (CIE) Workshop - CAAHEP

Delaware Youth Concussion Summit

Elon BrainCare Conference

International Olympic Committee Injury Prevention Conference

Johns Hopkins Traumatic Brain Injury Conference: Biomarkers in Brain Trauma.

Matthew Gfeller Neurotrauma Symposium at the University of North Carolina

Mayo Clinic Ice Hockey Summit: III

Penn State University Concussion in Sport Conference.

Capital Area Annual Traumatic Brain Injury Conference at NIH

DoD Strategy and Action Plan for Warfighter Brain Health at Uniformed Services

Academic Committee Service

University of Delaware

Biomechanics and Movement Sciences

2019 – Current

Executive Committee

• Represent the Department of Kinesiology and Applied Physiology as one of five executive committee members. Responsible for admissions decisions, student appeals reviews, and curriculum related revisions.

Department of Kinesiology and Applied Physiology

Executive Committee

2017 - 2019

• Represent the Athletic Training faculty as one of four members of the Department's executive committee for a 2 year term. Responsible for consulting with Department Chair on strategic planning, general programmatic issues, student recruitment and retention, and curriculum related considerations.

Graduate Program Coordinator: Exercise Science Program;

2016 – Current

Administrative Responsibility for the Master of Science in Exercise Program
including concentrations in Exercise Physiology, Biomechanics, Sports Medicine,
Motor Control and Clinical Exercise Physiology. Coordinate with program
faculty for student recruitment and admissions, resolving student conflicts and
appeals, and managing curriculum revisions and updates working in conjunction
with Applied Physiology and Biomechanics and Movement Sciences program
coordinators.

Center for Biomedical and Brain Imaging

2018 - 2019

• Executive Committee

Tenure and Promotion Committee

2018 – Current

Research Advisory Committee

2020 – Current

College of Health Sciences

Department Curriculum Committee

2017 – Current

University Graduate Council

2020 – Current

• Executive Committee (College Representative)

2021 - 2022

Wolf Dissertation Prize Reviewer

2020

Georgia Southern University

Graduate Program Director: Department of Health and Kinesiology;

2012 - 2014

Administrative responsibility for the graduate programs in the Department of Health and Kinesiology including concentrations in Exercise Science, Sports Psychology, Sports Nutrition, Physical Education, and Sports Management.

Coordination of program goals, recruitment and retention strategies, student appeals process, and program development in conjunction with the College of Graduate Students, Graduate Enrollment Management, College Dean, and the Office of the Provost

University Research Advisory Board; 2012 – 2014

College Representative

Faculty Affairs Committee, College of Health and Human Sciences; 2011 – 2012

• Developed the first "College Bylaws" for operating policy and procedures.

Graduate Committee; 2011 – 2012

College Representative from the Faculty Senate.

Faculty Senate; 2009 – 2012 Elected College Representative

College of Health and Human Sciences Strategic Planning Committee; 2010 – 2011

Ad Hoc Committee – Appointed

• Represented the Department of Health and Kinesiology on the College committee to develop the planning to meet the Universities' revised strategic plan.

University Athletic Committee; 2008 – 2010

Elected College Representative

Annual Review Committee; 2008 – 2010

Ad Hoc Committee – Appointed

• Committee to revise Annual Performance Review within the Department of Health and Kinesiology: Scholarship Subcommittee.

Dominican College

College Accreditation – Middle States Accreditation Committee

Committee Chair: Compliance Subcommittee; 2005 – 2007

• Committee for Dominican College re-accreditation with the Middle States Commission on Higher Education. Successfully re-accredited – May 2007.

Academic Technology Committee; 2003 – 2007

• Helped develop technology "Best Practices" for the institution faculty.

Academic Standards Committee; 2003 – 2005

Freshman Directorate: 2004 – 2007

• Freshman advisement with the Division of Allied Health.

CUNY at Hunter College

Operation Enrichment; 1998 – 2001

Search Committee Service

University of Delaware

Faculty Positions (2):

Department of Kinesiology and Applied Physiology: Athletic Training Clinical Track

Department of Kinesiology and Applied Physiology: Neuroscience Open Rank

Department of Kinesiology and Applied Physiology: Neuroscience Assistant Professor

Committee Chair: 2017 – 2018: Both Searches Successful

Athletic Training Education Program Director Committee Member: 2016 – 2017. (Search Failed)

Staff Position:

Research Coordinator: NCAA/DoD CARE Project (Search Successful)

Georgia Southern University

Faculty Positions:

Assistant Professor of Kinesiology

Committee Member: 2013 – 2014 (Search Successful)

Associate/Professor of Kinesiology

Committee Member: 2010 – 2012 (Search Successful)

Athletic Training Program Undergraduate Program Director Search

Committee Member: 2007 – 2008. (Search Successful)

Athletic Training Program Undergraduate Clinical Instructor Search

Committee Member: Spring 2008 (Search Successful)

Athletic Training Program Undergraduate Temporary Faculty Search

Committee Member: Summer 2007. (Search Successful)

Staff Positions: (Affiliate Committee Member)

Assistant Athletic Trainer; Department of Intercollegiate Athletics (Football) – 2012 Assistant Athletic Trainer; Department of Intercollegiate Athletics (WBB) – 2012 Assistant Athletic Trainer; Department of Intercollegiate Athletics (Football) – 2010 Assistant Athletic Trainer; Department of Intercollegiate Athletics (MBB) – 2009

Assistant Athletic Trainers (2); Department of Intercollegiate Athletics (Football) – 2008

Dominican College

Department of Intercollegiate Athletics/Athletic Training Program

Assistant Athletic Trainer Search: Committee Chair; Spring 2004 (Successful)

Department of Intercollegiate Athletics/Athletic Training Program

Head Athletic Trainer Search: Committee Chair; Summer 2002/ Spring 2003 (Successful)

CUNY at Hunter College

Assistant Athletic Director Search (Spring 1999)

Athletic Training (CAATE/CAAHEP) Accreditation Documentation

Georgia Southern University

CAATE Annual Report; May 2008

• Required annual report to the Athletic Training Commission on Accreditation of Athletic Training Education (CAATE) demonstrating continued compliance with accreditation regulations. Sole author of report.

CAATE Rejoinder Reports; December 2007, May 2008

• Required reports to respond to the CAATE citations resulting from non-compliances reported in the May 2007 Annual Report. Sole author of report.

Dominican College

CAATE/CAAHEP Annual Reports; May 2005 – 2007

• Required annual report to the CAATE demonstrating continued compliance with accreditation regulations. Reports co-authored with James Crawley.

CAAHEP Rejoinder Report; November 2003

• Required report to respond to the CAAHEP citations from the Initial Site Visit for Accreditation. Report co-authored with James Crawley.

CAAHEP Self-Study Narrative; May 2003

• Required report describing compliance with CAAHEP policies and regulations in application for initial accreditation as an Athletic Training Education program. Report co-authored with James Crawley.

CAAHEP Self-Study Appendix; May 2003

• Required report providing supporting documentation demonstrating compliance with CAAHEP policies and regulations in application for initial accreditation as an Athletic Training Education program. Sole author of report.

Clinical Coordinator of Athletic Training Education; 2001 – 2007

Identify new clinical sites for athletic training students

Identify, negotiation and formalization of affiliated clinical education sites and contracts

Approved Clinical Instructor Training Workshop

Assign Athletic Training Students to Clinical Affiliations Sites

Clinical Site Visitations and Student Evaluations

Recruitment, orientation, and retention of Adjunct Faculty

Development of Dominican College ATEP Clinical Proficiency Matrix

Certified and Licensed Athletic Trainer

BOC Certification Number: 019602410 Delaware Licensed Number: J3-0000614

NPI Number: 07112007725045

Clinical Athletic Training Experience

Athletic Trainer

Dominican College, Orangeburg, NY.

August 2001 – May 2003

 Served as supplemental athletic training staff in conjunction with Instructor/Clinical Coordinator ATEP role. Provided athletic training services to student-athletes along with practice and game coverage to assist the Head Athletic Trainer. Served as Approved Clinical Instructor for undergraduate ATEP students.

Head Athletic Trainer

CUNY at Hunter College; Manhattan, NY.

December 1997 – August 2001

• Provided athletic training services to the Athletic program consisting of 20 intercollegiate athletic teams and approximately 280 student-athletes. Managed all traditional aspects of a collegiate athletic training facility and supervised athletic training students from Long Island University.

Staff Athletic Trainer

St. John's University; Jamaica, NY.

August 1997 – December 1997

• Provided athletic training services to the intercollegiate football, men's soccer, and cross-country programs.

Staff Athletic Trainer

Office of Dr. Steven Lager; New Hyde Park, NY. October 1997 – December 1997.

• Provided athletic training services to patients in an Osteopathic clinic

Graduate Assistant Athletic Trainer

Indiana State University, Terre Haute, IN.

July 1996 – July 1997

• Provided athletic training services to the intercollegiate football program and supervised undergraduate athletic training students.

Athletic Trainer

Needham High School; Needham, MA.

April 1996 – June 1996

• Provided athletic training services to all sports for the spring athletic season

Athletic Trainer, Intern

New York Mets Minor League System; Port St. Lucie, FL. February 1996 – March 1996

• Provided athletic training services to all players in the Mets minor league system

Athletic Trainer

The Ethel Walker School, Simsbury, CT.

January 1996 – February 1996

• Provided athletic training services on a per diem basis.