



**AMERICAN COLLEGE
of SPORTS MEDICINE®**
Southeast Chapter



Candidate for Student Representative



Cole Bordonie
Doctoral Student
Auburn University

Each year the Southeast Chapter of the American College of Sports Medicine meets to help further the advancement of science whereby students, professors, and other community members are given the opportunity to learn from and educate fellow scientists. As a current member and student researcher, SEACSM allows me to better understand the progression of science and those who are pushing to move its advancement forward at an ever-increasing pace.

As a nominee, my goal is to assume a greater leadership role within the structure of SEACSM. If received, I hope to improve the communication between SEACSM leadership, members, and community members. To do this, I would utilize social media outlets, as well as immerse myself into the community that gathers each year for our conferences so that I can learn first-hand what is desired from attendees. Additionally, I would like to speak with other leaders within national and regional chapters to find more ways to include the number of attendees through financial means. Travelling can be expensive, especially when attending the national conference, and more grant opportunities would greatly benefit the diversity and opportunity of all attendees.

In conclusion, ACSM has impacted me as a student and a scientist by giving me opportunities to learn from others and share my own knowledge. By improving communication within our community and by allowing more opportunity for attendees, the organization as a whole should increase the amount of diverse ideas shared between members, thus cultivating further advancement of the science we strive to accelerate.

Cole Bordonie, MS

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EDUCATION

Auburn University, Auburn, AL PhD: Kinesiology College of Education	2022 – Present GPA: 4.0
James Madison University, Harrisonburg, VA MS: Kinesiology and Exercise Physiology College of Health and Behavioral Studies	2020 – 2022 GPA: 3.5
Virginia Military Institute, Lexington, VA BA: International Studies and Political Science Minors: Exercise Science and Spanish	2017 – 2020 GPA: 3.4

PROFESSIONAL EXPERIENCE – Research Positions

Doctoral Student Investigator, AU – Warrior Research Center	2020 – Present
<ul style="list-style-type: none">Dissertation is investigating the effect of a carbohydrate-electrolyte supplement on load-carriage performance in the heat and its impact on physiological and thermoregulatory measurements.	
Masters Student Investigator, JMU – Human Performance Laboratory	2020 – 2022
<ul style="list-style-type: none">Thesis focused on investigating the impact of dietary nitrate supplementation on load-carriage performance in military cadets.	
Undergraduate Student Investigator, VMI – Baur Exercise Physiology Laboratory	2018 – 2020
<ul style="list-style-type: none">Research focused on assisting with a carbohydrate-hydrogel supplement studying concerning exercise performance and creating an exercise prescription program for non-commissioning cadets.	

PUBLICATIONS – Peer-Reviewed Manuscripts

- Linder, B. A., Agostinelli, P. J., **Bordonie, N. C.**, & Stute, N. L. (2023). Turn up and burn up: aerobic exercise training as a strategy to preserve non-shivering thermogenesis on an obesogenic diet. *The Journal of Physiology*, 601(7), 1179-1181.
- Bordonie, N. C.**, Saunders, M. J., de Zevallos, J. O., Kurti, S. P., Luden, N. D., Crance, J. H., & Baur, D. A. (2023). Dietary nitrate supplementation enhances heavy load carriage performance in military cadets. *European Journal of Applied Physiology*, 123(1), 91-102.
- Saunders, M. J., Minichiello, N. P., Baur, D. A., Baur, K. G., Luden, N. D., **Bordonie, N. C.**, & Womack, C. J. (2022). Carbohydrate Hydrogel Beverage Does Not Improve Gastrointestinal Symptoms Or Running Performance Versus Conventional Carbohydrate Beverages: 332. *Medicine & Science in Sports & Exercise*, 54(9S), 76.

PUBLICATION IMPACT (2022 – Present)

Google Scholar

<i>h</i> -index:	1
<i>i</i> 10-index:	0
Total citations:	2

Note that these Google Scholar metrics only include peer-reviewed journal articles and do not include published scientific abstracts (i.e., MSSE or FASEB J) or book chapters

Google Scholar Bibliography Link: <https://scholar.google.com/citations?user=FuXof5EAAAAJ&hl=en>

CONFERENCE PRESENTATIONS – National and Regional

1. **Bordonie NC**, Agostinelli PJ, Robbins AM, Jones PL, Reagan LF, Mobley CB, Miller MW, Murrah WM, Sefton JM. *Sex-Differences In Physiology And Cognition During Simulated Firefighting Tasks Following Acute Exercise*. **Comments:** Submitted for presentation at the National American College of Sports Medicine Annual Meeting, Boston, MA. May 28 – 30th, 2024.
2. **Bordonie NC**, Agostinelli PJ, Linder BA, Frick KA, Neal FK, Sefton JM. *Physiological Impact of Firefighter Turnout Gear During Simulated Firefighting Activities*. **Comments:** Accepted for poster presentation at the National American College of Sports Medicine Annual Meeting, Denver, CO. May 30 – June 2nd, 2023.
3. **Bordonie NC**, Agostinelli PJ, Linder BA, Frick KA, Bordonie NC, Neal FK, Sefton JM. *Validity of Heart-Rate Derived Core Temperature Estimation During Simulated Firefighting*. **Comments:** Accepted for oral presentation at the Tactical Athlete Summit, Auburn, AL. September 27-28th, 2023.
4. **Bordonie, N. C.**, Saunders, M. J., de Zevallos, J. O., Kurti, S. P., Luden, N. D., Crance, J. H., & Baur, D. A.. *Dietary Nitrate Supplementation Enhances Heavy Load Carriage Performance in Military Cadets*. **Comments:** Accepted for poster presentation at Southeast Chapter of the American College of Sports Medicine Annual Meeting. February 23-25, 2023.

RELEVANT PROFESSIONAL OUTREACH SERVICES

Performance Optimization Team Assistant Director **2022 – Present**
Development, implementation, and management of a health care team centered around providing a holistic health initiative to Auburn University Army, Air Force, and Navy ROTC in addition to members of the Student Veteran's Association.

Operation Iron Ruck Health and Fitness Assistant Director **2022 – Present**
Collaborative effort with the Auburn University and Student Veteran's Association to develop and implement a periodized exercise training program and workshop series to provide physical and mental health resources to student veteran's preparing for a 151-mile charity ruck march aimed at raising awareness for veteran suicide awareness.

PROFESSIONAL MEMBERSHIPS

American Physiological Society (APS)	2023 – Present
National American College of Sports Medicine (ACSM)	2022 – Present
American College of Sports Medicine: Southeast Chapter	2020 – Present

SCHOLARLY AWARDS

Graduate Teaching Assistant of the Semester (Kinesiology) – Auburn University	2023
Recipient of VMI's first Exercise Science Program Endowment Award – Virginia Military Institute	2020