

AbryAnna Henderson

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(240)-319-1555

Education

Ph.D. Sociology, University of Pittsburgh	Expected May 2029
M.A. Sociology, University of Maryland, College Park, 4.0	May 2024
B.S. Kinesiology, University of Maryland, College Park, 3.8	May 2023

Grants

SPH Seed Grant May 2023 - March 2024

University of Maryland, College Park

- Examines the role of emotions with perceptual attitudes about race and racism
- Employing a mixed methods approach by utilizing survey and focus group data collection
- Work as a graduate student researcher under a Kinesiology professor
- Collaborating under faculty across campus to fulfill the aims of the proposal

Fellowships

Dean's Graduate Fellowship August 2025 – August 2026

University of Pittsburgh

K. Leroy Irvis Fellowship

August 2024 – August 2025

University of Pittsburgh

Positions

Graduate Assistant June 2023 – Aug 2024

Center for Minorities in Science and Engineering

University of Maryland, College Park

- Analyzing demographic trends in admissions, and enrollment in the School of Engineering
- Collaborating with USM faculty on NSF Grant proposals to improve DEI in STEM graduate programs
- Lead coordinator of the LSAMP Undergraduate Research Symposium and the Annual Student Recognition Ceremony
- Mentoring minority students to aid in their academic and professional development

Oral Presentations

Henderson, A; Canellas De Silva, M; Glancy, S. (2023, August). Force production and mitochondrial super complex formation in skeletal muscle following fatiguing tetanus contractions. *University of Maryland, College Park, UMADAPT Oral Presentation.*

Springer-Sapp, C; **Henderson, A;** Kuzmiak-Glancy, S; Prior, S. (2022, November). Markers of Mitochondrial Mitophagy and Fusion-to-Fission Ratio are Greater in Older vs. Young Rats. *Oral presentation at Mid-Atlantic American College of Sports Medicine, Harrisburg, Pennsylvania.*

Henderson, A; Sapp, C; Kim, K; Canellas De Silva, M; Glancy, S; Prior, S. (2022, August). Mitochondrial content and quality control in young and old glycolytic skeletal muscle. *University of Maryland, College Park, UMADAPT Oral Presentation.*

Poster Presentations

Henderson, A; Canellas De Silva, M; Glancy, S. (2023, November). Force production and mitochondrial super complex formation in skeletal muscle following fatiguing tetanus contractions. *Poster Presentation at Mid-Atlantic American College of Sports Medicine, Lancaster, Pennsylvania.*

Springer-Sapp, C; **Henderson, A;** Kuzmiak-Glancy, S; Prior, S. (2023). Markers of Mitochondrial Fusion and Mitophagy are Greater in Old versus Young Rats. *Poster presentation at Advances in Skeletal Muscle Biology in Health and Disease Conference, Gainesville, Florida.*

Henderson, A; Sapp, C; Kim, K; Canellas De Silva, M; Glancy, S; Prior, S. (2022, November). Mitochondrial content and quality control in young and old glycolytic skeletal muscle. *ABRCMS Poster Presentation, California.*

Henderson, A; Sapp, C; Kim, K; Canellas De Silva, M; Glancy, S; Prior, S. (2022, August). Mitochondrial quality control and function. *University of Maryland, College Park, LSAMP Poster Presentation.*

Miller, W. J. W., & **Henderson, A.**, et. al. (2022, March). Estimating the partial molar volume of each component in a binary solution using refractive index measurements. *ACS Spring National Meeting.*

Research Experience

Aging, Diversity, and Professional Development Research Program Aug 2021 – Aug 2023
University of Maryland, College Park

- Designed, implemented, and completed multiple research projects in exercise physiology
- Conducted rigorous literature reviews and participated in thesis writing workshops
- Presented research to University faculty and professionals at conferences across the country

Louis Stokes Alliance for Minority Participation Research Program May 2022 – May 2023
University of Maryland, College Park

- Leveraged laboratory equipment to conduct measurements and analysis
- Collaborated with interdisciplinary teams to enhance research abilities and ensure compressive data collection
- Disseminated research findings to USM faculty and students in the STEM field

Scholarships/ Awards

Whitlark Endowed Research Scholarship Aug 2021 – May 2023
University of Maryland, College Park

- \$3000 a year scholarship to conduct research in the School of Public Health
- Spearheaded individual research projects and presented results to University faculty and students
- Contributed to the research development of graduate students' projects and dissertations