

# AbryAnna Henderson

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(240)-319-1555

## Education

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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

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SPH Seed Grant	May 2023 - March 2024
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*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

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Dean's Graduate Fellowship	August 2025 – August 2026
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*University of Pittsburgh*

K. Leroy Irvis Fellowship	August 2024 – August 2025
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*University of Pittsburgh*

## Positions

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Graduate Assistant	June 2023 – Aug 2024
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*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

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**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

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**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

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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

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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