

Department of Psychology
Campbell Hall, Room 415
1300 University Blvd.
Birmingham, AL 35233
(205) 934-8723

Education

University of Alabama at Birmingham Lifespan Developmental Psychology, Ph.D.	Birmingham, AL 2020-Present
Western Kentucky University Psychology, M.S. Concentration: Cognitive	Bowling Green, KY 2018-2020
East Tennessee State University Psychology, B.S.	Johnson City, TN 2014-2018

Professional Presentations

- Wheeler, K., & Mutter, S.** (2020). *Cue Predictiveness and Outcome Uncertainty in Young and Older Adults' Associative Learning*. Poster presented at: Cognitive Aging Conference (Cancelled due to COVID-19), Atlanta, GA.
- Dukes, J., **Wheeler, K.**, Willoughby, A., & Mutter, S. (2019, May). *Visual and Auditory Context Effects in Predictive Learning*. Poster presented at: Association for Psychological Science 31st annual meeting, Washington, DC.
- Wheeler, K.**, Shubert, K., Jones, M., & Sellers, E. (2017, November). *P300 BCI: A Simulation of Random Eye Movement*. Poster presented at: Society for Neuroscience 48th annual meeting, Washington, DC.

Student Presentations

- Dukes, J., **Wheeler, K.**, Willoughby, A., & Mutter, S. (2019, April). *Visual and Auditory Context Effects in Predictive Learning*. Poster presented at: Reach Week Student Research Conference, Bowling Green, KY.
- Wheeler, K.**, Shubert, K., Jones, M., & Sellers, E. (2018, April). *P300 BCI: A Simulation of Random Eye Movement*. Poster presented at: Appalachian Student Research Forum, Johnson City, TN.
- Wheeler, K.**, Brown, J., & Dula, C. (2017, April). *Examining the Relationship Between Tattoo Stigma and Spirituality*. Poster presented at: Appalachian Student Research Forum, Johnson City, TN.

Publications

- Ball, K., Clay, O., Edwards, J., Fausto, B., **Wheeler, K.**, Felix, C., & Ross, L. (2021) Indicators of Crash Risk in Older Adults: A Longitudinal Analysis from the ACTIVE Study. *Journal of Aging and Health, Special Edition*. Manuscript in press.
- Clay, O., **Wheeler, K.**, McCaskill, G., Edwards, J., Ross, L., Crowe, M., Willis, S., Gross, A., Felix, C., Thorpe, R., & Ball, K. (2021) Impact of cognitive function and race on mobility outcomes over 10 years: An analysis of the ACTIVE study. *Journal of Aging and Health, Special Edition*. Manuscript in preparation.

Research Experience

Center for Research on Aging and Gerontology, UAB

2020-Present

Graduate Student Research Assistant; Advisor: Karlene Ball, Ph.D.

Indicators of Crash Risk in Older Adults: A Longitudinal Analysis from the ACTIVE Study

- Review literature on aging, driving, mobility, and pathological processes such as Alzheimer's Disease and Dementia
- Write grant applications
- Monthly meetings with ACTIVE research team
- Preparing manuscripts for publication
- Present research findings at national research conferences

Cognitive Aging Lab, WKU

2018-2020

Graduate Student Research Assistant; Advisor: Sharon Mutter, Ph.D.

Visual and Auditory Context Effects in Predictive Learning and the Role of Attention in Associative Learning

- Recruiting young and older adult participants
- Run participants through the experimental program and administer a variety of cognitive assessments
- Present research findings at national and local research conferences

The Effects of Aging on Attention in Associative Learning

- Program eye-tracking glasses
- Recruiting young and older adult participants
- Run participants through the experimental program and administer a variety of cognitive assessments
- Analyze participant data
- Present research findings at national research conference

Brain-Computer Interface Lab, ETSU

2017-2018

Undergraduate Research Assistant; Advisor: Eric Sellers, Ph.D.

P300 BCI: A Simulation of Random Eye Movement

- Recruit research participants
- Run participants through the experimental program
- Calibrate EEG caps
- Present research findings at national and local research conferences

Applied Psychology Lab, ETSU

2016-2017

Undergraduate Research Assistant; Advisor: Chris Dula, Ph.D.

Examining the Relationship between Tattoo Stigma and Spirituality

- Reviewing literature for the study
- Analyze data using SPSS
- Trained in SONA System Management and enter questionnaires into SONA.

Professional Memberships and Services

Lifespan Developmental Psychology Ph.D. Program Student Representative

2021-2023

Gerontological Society of America

2021-Present

Association for Psychological Science

2016-Present

Graduate College Council-Student Representative

2019-2020

National Honor Society of Leadership and Success

2017-2018

