JENNA L. MERENSTEIN, Ph.D.

University of Utah | 380 1530 E, Salt Lake City, UT 84112 | Ph: (951) 961-7181
Email: jenna.merenstein@utah.edu | Lab Website | Google Scholar | ORCiD

EDUCATION & RESEARCH EXPERIENCE

Assistant Professor, Department of Psychology, University of Utah — 2025 - pres.

Postdoctoral Scholar, Duke University Medical Center — 2024 - 2025
Postdoctoral Associate, Duke University Medical Center — 2022 - 2024
Mentors: David J. Madden, Ph.D. & Allen W. Song, Ph.D.

Ph.D., Cognitive Neuroscience, University of California, Riverside — 2017 - 2022
Certificate in Advanced University Teaching & Pedagogy
Mentors: Ilana J. Bennett, Ph.D. & Chandra A. Reynolds, Ph.D.

M.A., Cognitive Neuroscience, University of California, Riverside — 2017 - 2019
Mentor: Ilana J. Bennett, Ph.D.

B.S., Psychology, Colorado State University (CSU) — 2013 - 2017
Mentors: Agnieszka Z. Burzynska, Ph.D. & Deana B. Davalos, Ph.D.

RESEARCH INTERESTS

Our cognitive abilities are not equally affected across the lifespan. Some abilities, like world knowledge, hold steady, or even increase as we age. Other abilities based on processing speed, like attention and memory, show more substantial decline. I focus on these “fluid” cognitive abilities as they are the chief complaint among healthy older adults. I study how age-related decline in fluid cognition can be attributed to differences in magnetic resonance imaging (MRI) measures of brain structure and function. My work is motivated by the cortical disconnection model, which proposes that age-related degradation of the white matter pathways that connect distributed gray matter regions contributes to cognitive decline.

GRANT ACTIVITY

Completed

Duke / UNC Alzheimer’s Disease Research Center Research Education Component (REC) Scholar (Role: PI) — 07/2024 - 06/2025
Direct costs awarded: $20,000
Column-based analyses of cortical iron in healthy aging and Alzheimer’s disease

NIH / NIA F32 AG084167 (Role: PI) — 05/2024 - 06/2025
Direct costs awarded: $215,064
High-resolution diffusion imaging of brain connectivity in healthy aging and Alzheimer’s disease

NIH / NIA F31 AG071189 (Role: PI) — 01/2021 - 04/2022
Direct costs awarded: $120,403
Structural and functional substrates of associative memory load in aging

FELLOWSHIPS, HONORS, & AWARDS

Fellowships

George L. Maddox Aspiring Investigator Award, Duke Center for the Study of Aging and Human Development ($5,000) — 2023
Graduate Research Mentorship Program Fellowship, UCR ($6,000) — 2019
Chancellor’s Distinguished Merit-Based Fellowship, UCR ($21,000) — 2017

Honors & Awards

Best Poster (1st Place), Annual Research Day, Duke Department of Psychiatry and Behavioral Sciences	2024
Nominee, Outstanding Postdoc Award, Duke University	2024
Postdoctoral Professional Development Award, Duke University ($1,000)	2024
Best Poster Finalist, North Carolina Chapter of the Society for Neuroscience	2023
Best Poster (3rd Place), Annual Research Day, Duke Department of Psychiatry and Behavioral Sciences ($250)	2023
Dissertation Award in Psychology of Aging, Division 20 of the APA ($500)	2022
Sallie P. Asche Travel Award, Dallas Aging and Cognition Conference ($500)	2022, 2023
Travel Award, Reserve and Resilience in Cognitive Aging Workshop ($800)	2021
Professional Development Award, Society for Neuroscience ($1,000)	2020
Travel Grant, Graduate Student Association, UCR	2018
Travel Grant, Department of Psychology, UCR	2017
PsiChi Honors in Psychology, CSU	2016
Dean's List Scholar, CSU	2015 - 2017

PUBLICATIONS

*Notes: * = mentored undergraduate, graduate student, or postbaccalaureate author, Klippenstein = maiden name*

Peer-Reviewed Manuscripts (16 total; 9 first-authored)

1. Essex, C. A.*, **Merenstein, J. L.,** Overson, D. K., Truong, T-K., Madden, D. J., Bedggood, M. J., Murray, H., Holdsworth, S. J., Stewart, A., Morgan, C., Faull, R. L. M., Hume, P., Theadom, A., & Pedersen, M. (2025). Distribution of cortical iron following mild Traumatic Brain Injury: A depth- and curvature-based quantitative susceptibility mapping study. *Cerebral Cortex.* doi.org/10.1093/cercor/bhaf059
2. Essex, C. A.*, Overson, D. K., **Merenstein, J. L.,** Truong, T-K., Madden, D. J., Bedggood, M. J., Morgan, C. A., Murray, H., Holdsworth, S. J., Stewart, A., Faull, R. L. M., Hume, P., Theadom, A., & Pedersen, M. (2025). Mild traumatic brain injury increases cortical iron: evidence from individual susceptibility mapping. *Brain Communications.* doi.org/10.1093/braincomms/fcaf110
3. **Merenstein, J. L.**, Zhao, J.*, & Madden, D. J. (2025). Depthwise cortical iron relates to functional connectivity and fluid cognition in healthy aging. *Neurobiology of Aging*, *148(1),* 27-40. doi.org/10.1016/j.neurobiolaging.2025.01.006
4. Madden, D. J., **Merenstein, J. L**., Harshbarger, T. B., & Cendales, L. C. (2024). Changes in functional and structural brain connectivity following bilateral hand transplantation. *Neuroimage: Reports, 4(4),* 100222. doi.org/10.1016/j.ynirp.2024.100222
5. Madden, D. J., **Merenstein, J. L**., Mullin, H. A.*, Jain, S. J., Rudolph, M. D., & Cohen, J. R. (2024). Age-related differences in resting-state, task-related, and structural brain connectivity: Graph theoretical analyses and visual search performance. *Brain Structure and Function,* 229(7), 1533-1559. doi.org/10.1007/s00429-024-02807-2
6. **Merenstein, J. L**., Zhao, J.*, Overson, D. K., Truong, T-K., Johnson, K. G., Song, A. W., & Madden, D. J. (2024). Depth- and curvature-based quantitative susceptibility mapping analyses of cortical iron in Alzheimer's disease. *Cerebral Cortex,* bhad525, doi.org/10.1093/cercor/bhad525.
7. Petok, J. R., **Merenstein, J. L**., & Bennett, I. J. (2024). Iron content affects age group differences in associative learning-related fMRI activity. *NeuroImage*, *285(1),* 120478. doi.org/10.1016/j.neuroimage.2023.120478
8. Madden, D. J. & **Merenstein, J. L**. (2023). Quantitative susceptibility mapping of brain iron in healthy aging and cognition. *NeuroImage, 282(1),* 120401.

doi.org/10.1016/j.neuroimage.2023.120401
9. **Merenstein, J. L**., Zhao, J.*, Mullin, H. A.*, Rudolph, M. D. Song, A. W. & Madden, D. J. (2023). High-resolution multi-shot diffusion imaging of structural networks in healthy neurocognitive aging. *NeuroImage, 275(1),* 120191. doi.org/10.1016/j.neuroimage.2023.120191
10. **Merenstein, J. L**., Mullin, H. A.*, & Madden, D. J. (2023). Age-related differences in frontoparietal activation for target and distractor singletons during visual search. *Attention, Perception, & Psychophysics, 85(3),* 749-768. doi.org/10.3758/s13414-022-02640-x
11. Glenn, D. E., **Merenstein, J. L**, Bennett, I. J., & Michalska, K. J. (2022). Anxiety symptoms and puberty interactively predict lower cingulum microstructure in preadolescent Latina girls. *Scientific Reports, 12(1),* 20755. doi.org/10.1038/s41598-022-24803-4
12. **Merenstein, J. L.** Corrada, M. M., Kawas, C. H., & Bennett I. J. (2022). White matter microstructural correlates of associative learning in the oldest-old. *Cognitive, Affective, and Behavioral Neuroscience, 23(1),* 114-124. doi.org/10.3758/s13415-022-01035-7
13. **Merenstein, J. L.** & Bennett I. J. (2022). Bridging patterns of neurocognitive aging across the older adult lifespan. *Neuroscience and Biobehavioral Reviews, 135(1),* 104594. doi.org/10.1016/j.neubiorev.2022.104594
14. **Merenstein, J. L.**, Petok, J. R., & Bennett I. J. (2021). Age group differences in learning-related activity reflect task stage, not learning stage. *Behavioural Brain Research, 416(1),* 113570. doi.org/10.1016/j.bbr.2021.113570
15. **Merenstein, J. L.**, Corrada, M. M., Kawas, C. H., & Bennett I. J. (2021). Age affects white matter microstructure and episodic memory across the older adult lifespan. *Neurobiology of Aging, 106(1),* 282-291. doi.org/10.1016/j.neurobiolaging.2021.06.021
16. **Klippenstein, J. L.,** Stark, S. M., Stark, C. E. L., & Bennett, I. J. (2020). Neural substrates of mnemonic discrimination: A whole-brain fMRI investigation*. Brain and Behavior, 10(3),* 1-11*.* doi.org/10.1002/brb3.1560

Manuscripts Under Review (6 total)
1. Madden, D. J., **Merenstein, J. L**., Harshbarger, T. B., & Cendales, L. C. (Under review). Brain activation for actual and imagined hand movement following bilateral hand transplantation.
2. Essex, C. A.*, Bedggood, M. J., **Merenstein, J. L.**, Morgan, C, Murray, H. C., Holdsworth, S. J., Faull, R. L. M., Hume, P., Theadom, A., & Pedersen, M. (Under review). Individualised quantitative susceptibility mapping reveals abnormal hippocampal iron markers in acute mild traumatic brain injury. doi.org/10.1101/2025.04.28.25326522
3. **Merenstein, J. L**., Song, A. W., & Madden, D. J. (Under review). High-resolution structural connectivity mediates age-related differences in functional connectivity and fluid cognition.
4. **Merenstein, J. L**., Song, A. W., Johnson, K. G., Whitson, H. E., & Madden, D. J. (Under review). Higher spatial resolution diffusion-weighted imaging improves characterization of white matter disconnection in Alzheimer's disease.
5. Reekes, T. H., Upadhya, V. R., **Merenstein, J. L.,** Cooter-Wrighter, M., Madden, D. J., Reese, M. A., Boykin, P. C., Timko, N. J., Rosser, M. A., Martucci, K. T., Cohen, H. J., Whitson, H. E., Matthew, J. P., Devinney, M. J., Browndyke, J. N., & Berger, M. (Under review). Predilection for perplexion: Preoperative microstructure damage is linked to postoperative delirium. doi.org/10.1101/2025.01.08.24319243
6. Essex, C. A.*, Bedggood, M. J., **Merenstein, J. L.,** Morgan, C. A., Murray, H., Holdsworth, S. J., Faull, R. L. M., Hume, P., Theadom, A., & Pedersen, M. (Under review). Magnetic susceptibility of the hippocampal subfields and basal ganglia in acute mild traumatic brain injury. doi.org/10.1101/2025.01.09.25320291

Peer-Reviewed Book Chapters (2 total)

1. **Merenstein, J. L.**, Howard, C. M., Madden, D. J. (2025). Aging and neuroplasticity. In: Grafman, J.H. (Ed.), *Encyclopedia of the Human Brain*, Second Edition, vol. 2, pp. 669–681. USA: Elsevier.
2. **Merenstein, J. L.** & Bennett I. J. (2023). Neuroimaging of mental disorders. In: Howard S. Friedman, H. S. & Markey, C. H (Eds), *Encyclopedia of Mental Health,* Third Edition, vol. 1, pp. 608-615*.* USA: Elsevier. doi.org/10.1016/B978-0-323-91497-0.00030-8

Published Commentary

1. **Klippenstein, J. L.** (2018). Professional networking as a graduate student. *Student Notebook Section of the APS Observer.* bit.ly/2WQVH1u

CONFERENCE PRESENTATIONS

*Notes: * = mentored undergraduate, graduate student, or postbaccalaureate author, Klippenstein = maiden name*

Oral Presentations (5 total)

1. Alcaraz-Torres, A.*, Asatryan, C.*, Sun, A., **Merenstein, J. L.**, Petok, J. R., & Bennett, I. J. (2023). Iron concentration obscures age group differences in learning-related neural activity. *Dallas Aging and Cognition Conference*. Dallas, TX.
2. Ramirez, M.*, **Merenstein, J. L**., Bennett, I. J. (2022). Basal ganglia network contributions to associative and skill learning. *UCR Undergraduate Research Symposium*. Virtual event.
3. **Merenstein, J. L.** & Bennett, I. J. (2021). Neural substrates of task, but not learning, stage vary in aging. *University of California, Irvine Center for Neurobiology of Learning and Memory "Memory: It's About Time"*. Virtual event.
4. **Klippenstein, J. L**. & Bennett, I. J. (2020). Neurocognitive mediators of episodic memory performance across the older adult lifespan. *Western Psychological Association Symposium.* Virtual event.
5. **Klippenstein, J. L**., Venkatesh, A., Alcaraz-Torres, A.*, & Bennett, I. J. (2019). Hippocampal tract integrity relates to hippocampal memory-related activity: A combined DTI-fMRI study. *Society for Neuroscience Annual Conference*. Chicago, IL.

Poster Presentations (21 total)

1. **Merenstein, J. L**. & Madden D. J. (2025). Graph theoretical analyses of structure-function relations in Alzheimer's disease. *Dallas Aging and Cognition Conference*. Dallas, TX.
2. **Merenstein, J. L**., Zhao, J.*, Song, A. W., & Madden, D. J. (2024). Standard and high-resolution diffusion imaging of cortical disconnection in Alzheimer's disease. *Society for Neuroscience Annual Conference.* Chicago, IL.
3. **Merenstein, J. L**. & Madden, D. J. (2024). Depth-wise measures of cortical iron uniquely relate to functional connectivity in healthy aging versus Alzheimer's disease. *Symposium for Learning about Alzheimer's Disease-Related Medical Research at Duke and UNC*. Durham, NC.
4. Essex, C. A.*, **Merenstein, J. L.,** Overson, D. K., Truong, T-K., Madden, D. J., Stewart, A., Bedggood, M. B., Murray, H., Morgan, C. A., Holdsworth, S. J., Faull, R. L. M., Hume, P., Theadom, A., & Pedersen, M. (2024). Layer-specific distribution of cortical iron following mild Traumatic Brain Injury: A depth- and curvature-based QSM study. *Organization for Human Brain Mapping International Conference*. Seoul, South Korea.
5. **Merenstein, J. L**., Zhao, J.*, & Madden, D. J. (2024). Fluid cognition and functional connectivity relate to cortical iron in a depth-specific manner in healthy aging. *Cognitive Neuroscience Society Conference*. Toronto, Ontario, Canada.
6. **Merenstein, J. L**., Zhao, J.*, Overson, D. K., Truong, T-K., Song, A. W., & Madden, D. J. (2023). Column-based quantitative susceptibility mapping analyses of cortical iron in Alzheimer's disease. *Duke Department of Psychiatry Annual Research Day*. Durham, NC.

7. Stepovich, N. E.*, **Merenstein, J. L.**, & Madden, D. J. (2023). The role of bilingualism in task-related functional connectivity in healthy aging. *North Carolina Society for Neuroscience Chapter*. Durham, NC. *Symposium for Learning about Alzheimer's Disease-Related Medical Research at Duke and UNC*. Pembroke, NC.
8. **Merenstein, J. L**., Zhao, J.*, & Madden, D. J. (2023). Microstructural properties of brain networks underlie age-related differences in fluid cognition. *Dallas Aging and Cognition Conference*. Dallas, TX.
9. **Merenstein, J. L**. & Madden, D. J. (2022). Brain microstructure mediates age-related declines in functional connectivity. *North Carolina Society for Neuroscience Chapter Conference*. Durham, NC.
10. **Merenstein, J. L**., Howard, C. M., Mullin, H. A.*, & Madden, D. J. (2022). Age-related differences in selective attention during feature search and conjunction search: An fMRI study. *Symposium for Learning about Alzheimer's Disease-Related Medical Research at Duke and UNC*. Durham, NC.
11. Glenn, D. E., **Merenstein, J. L**, Bennett, I. J. & Michalska, K. J. (2022). Puberty moderates the association between anxiety symptoms and cingulum white matter microstructure in Latina girls. *Society of Biological Psychiatry*. New Orleans, LA.
12. **Merenstein, J. L.**, Corrada, M. M., Kawas, C. H., & Bennett I. J. (2022). White matter microstructural correlates of associative learning in the oldest-old. *Dallas Aging and Cognition Conference*. Virtual event.
13. **Merenstein, J. L.,** & Bennett, I. J. (2021). White matter tract integrity mediates relationships between learning-related activity in younger and older adults. *Society for Neuroscience Global Connectome.* Virtual event.
14. **Klippenstein, J. L**., Alcaraz-Torres, A.*, Petok, J. R., & Bennett, I. J. (cancelled due to COVID-19). Age moderates the coordination between hippocampal and caudate fMRI activity during implicit associative learning. *Cognitive Aging Conference.*
15. Mendoza, M. M.*, **Klippenstein, J. L**., Petok, J. R., & Bennett, I. J. (2019). Implicit associative learning: Hippocampus and striatal involvement over time. *Cognitive Neuroscience Society*. San Francisco, CA.
16. **Klippenstein, J. L**., Stark, S. M., Stark, C. E. L., & Bennett, I. J. (2019). Whole-brain substrates of mnemonic discrimination vary with memory status in older adults. *Dallas Aging and Cognition Conference*. Dallas, TX.
17. **Klippenstein, J. L.,** Stark, S. M., Stark, C. E. L., & Bennett, I. J. (2018). Age-group differences in whole-brain substrates of mnemonic discrimination*. Cognitive Aging Conference.* Atlanta, GA.
18. **Klippenstein, J. L.,** Stark, S. M., Stark, C. E. L., & Bennett, I. J. (2017). Neural substrates of mnemonic discrimination: A whole-brain fMRI investigation. *Society for Neuroscience*. Washington, D.C.
19. **Klippenstein, J. L,** Gill, J., & Burzynska, A. Z. (2017). Objective measures of physical activity positively correlate with hippocampal volume and spatial working memory*. Colorado State University's Undergraduate Research Symposium*. Fort Collins, CO.
20. **Klippenstein, J. L,** Stewart, B., & Pantlin, L. N. (2016). Examining schizotypal personality disorder using mismatch negativity. *Rocky Mountain Psychological Association.* Denver, CO.
21. **Klippenstein, J. L,** Gill, J., Taylor, B., Finc, K., Kramer, A., & Burzynska, A. Z. (2016). MODERN: Studying brain structure and function in professional dancers with MRI. *Colorado State University's Department of Molecular, Cellular, & Integrative Neuroscience Graduate Student Recruitment*. Fort Collins, CO.

TEACHING INTERESTS

Specialty courses: Cognitive Neuroscience, Psychology of Aging, Learning and Memory, Human Neuroimaging, Human Neuropsychology, Teaching at the University Level
Core courses: Cognitive Psychology, Research Methods, Statistics for Behavioral Science

TEACHING EXPERIENCE

Instructor of Record, Duke University (average instructor recommendation)
** Complete evaluations available upon request*

GS 750, Fundamentals of College Teaching (4.8 / 5.0)	Fall 2024
GS 750, Fundamentals of College Teaching (4.9 / 5.0)	Spring 2024

Graduate Teaching Assistant, UCR (average effectiveness rating)
** Complete evaluations available upon request*

PSYC 134 Cognitive Processes (6.6 / 7.0)	Fall 2020
PSYC 122L Human Neuroimaging Laboratory (7.0 / 7.0)	Winter 2020
PSYC 134 Cognitive Processes (6.4 / 7.0)	Winter 2019
PSYC 129 Human Neuropsychology (6.9 / 7.0)	Spring 2019
PSYC 110 Brain and Behavior (6.6 / 7.0)	Fall 2018

Guest Lecturer

Magnetic Resonance Imaging: Applications to Cognitive Neuroscience. CNS Graduate Methods Seminar, Department of Psychology, The University of Utah.	Spring 2025
The Developing Adolescent Brain: Impacts on Decision-Making. Cognitive Development, Department of Psychology, Meredith College.	Spring 2024
Heterogeneity in Cognitive Aging: Insights from MRI. Cognitive Neuroscience Research Internship, Duke University.	Spring 2024
Peer Review. Duke University Neuroscience Experience.	Summer 2023
Aging and the Brain: Super-Agers. Cognitive Neuroscience Research Internship, Duke University.	Fall 2022, Spring 2023
The Consciousness Problem. Cognitive Processes, Department of Psychology, UCR.	Fall 2020
Memory and the Aging Brain. Introductory Psychology, Department of Psychology, UCR.	Summer 2017

Undergraduate Teaching Assistant, CSU

PSY 252 Mind, Brain, and Behavior	Spring 2016
PSY 100 Introductory Psychology	Fall 2016

Formal Training

Workshops: Effective lesson planning, Learning-centered teaching	Spring 2021
Advanced University Teaching & Pedagogy Certificate, UCR	Spring 2021

INVITED TALKS

Seminars & Data Blitz

Using MRI to Study Cognitive and Brain Aging Across the Adult Lifespan. Ruth K. Broad Foundation Board of Directors (virtual).	2025
Updates on the Duke Cognitive Neuroscience Research Internship (CNRI). Duke University Institute for Brain Sciences (DIBS) External Advisory Board Meeting. Durham, NC.	2025
Navigating Your First Fellowship Application. Dementia Research Salon Webinar (virtual).	2025

Column-Based Analyses of Cortical Iron in Healthy Aging and Alzheimer's Disease. Duke-UNC ADRC External Advisory Board (EAB) meeting, Chapel Hill, NC. 2025
Duke-UNC ADRC REC Core Meeting (virtual). 2024

Novel High-Resolution and Cortical Profile MRI Signatures of Cognitive Aging and Alzheimer's Disease. Department of Radiology, University of North Carolina Chapel Hill, Chapel Hill, NC. 2024

Cortical Profile Analysis of Cognitive Decline in Aging. Duke BIAC Retreat, Durham, NC. 2024

The Cognitive Neuroscience of Aging. Duke BIAC Retreat, Wilmington Beach, NC. 2023

White Matter Microstructural Correlates of Associative Learning in the Oldest-Old. Duke Center for Cognitive Neuroscience Retreat, Chapel Hill, NC. 2022

Functional and Structural Neural Correlates of Associative Learning in Aging. UCR Cognitive Brownbag, Riverside, CA. 2022

Relationships Among White Matter Microstructure, Associative Learning Performance, and Learning-Related Activity in Younger and Older Adults. UCR Cognitive Brownbag. 2021

How to Incorporate Effective Retention Strategies: Evidence from Cognitive Science. UCR Advanced University Pedagogy Certificate Program. 2021

Community Outreach

What Can MRI Tell Us About the Healthy Aging Brain? Duke University Research on Tap talk series, Durham, NC. 2025

Healthy Brain Aging and Dementia: The Roles of Sex, Ethnicity, and Race. Durham County (DCo) Talk Series at the Durham County Public Library, Durham NC. 2024

The Aging Brain. Skype a Scientist Presentations for D.C. Oaks High School, Frontiers Local School, and Monroe Woodbury High School. 2023 - 2024

What Can MRI Tell Us About the Aging Brain? Durham Center for Senior Life, Durham, NC. 2023

MENTORING EXPERIENCE

Lead Supervisory Roles

Undergraduate Cognitive Neuroscience Research Internship (Duke). Jalen Faison & Aniekan Eno-Ekefre. *Visual Attention and Aging*. 2023

Undergraduate Cognitive Neuroscience Research Internship and Independent Project, Amalia Desir (Duke). *White Matter Hyperintensities and Visual Attention in Healthy Aging.* 2022 - 2025

Independent Project, Nicole Stepovich (Duke). *The Role of Bilingualism in Task-Related Functional Connectivity in Healthy Aging.* 2022

Independent Project, Monique Ramirez (UCR). *Basal Ganglia Network Contributions to Associative and Skill Learning.* 2021

Independent Project, Madeleine Mendoza (UCR). *Implicit Associative Learning: Hippocampus and Caudate Involvement Over Time.* 2019

Senior Thesis, Sierra Cheung (UCR). *Age-Related Differences in White Matter Integrity in the Younger- and Oldest-Old.* 2019

Peer Mentor Roles

Next Generation of Psychology Scholars (NPSP) 2022

UCR Women's Resource Center Undergraduate Mentoring Program	2020 - 2021
UCR Department of Psychology First-Year Graduate Students	2018 - 2021
UCR Graduate Student Mentorship Program (GSMP)	2018 - 2021
Association for Psychological Science Undergraduate Mentoring Program	2018 - 2020

Formal Training

Preparing Future Faculty (PFF) Program, Duke University	2023 - 2024
Compass Foundational Training and Mentoring Program, Washington University (NIH R25 GM143346)	2023 - 2024
Postdoc Academy: Building Skills for a Successful Career	2023
Workshop: Maintaining Effective Communication and Aligning Expectations	2022
Workshop: Building Your Skills as an Inclusive Mentor	2022

PROFESSIONAL & INSTITUTIONAL SERVICE

Ambassador, NIH Loan Repayment Program (LRP)	2024 - pres.
Moderator and Organizer, Panels on *The Hidden Curriculum* and *Careers in STEM*, Durham Technical Community College	2024 - 2025
Chair, Outreach Committee, Duke University Postdoctoral Association	2023 - 2025
Member, Equity, Diversity, & Inclusion (EDI) Committee, Duke BIAC	2023 - 2025
Program Leader, Duke Cognitive Neuroscience Research Internship	2022 - 2025
Member, Job Search Committee for Assistant Professor in the Cognitive Neuroscience of Aging, UCR	2021
Panelist, Department of Psychology Graduate School Open House, UCR	2020 - 2021
Panelist, PsiChi Graduate School Information Session, UCR	2020
Member, Graduate Student Well-Being Committee, UCR	2020 - 2021
Elected Graduate Student Representative for UCR Department of Psychology	2019 - 2020
Member, Job Search Committee for Psychology Laboratory Assistant, UCR	2019 - 2021
Campus Representative, Association for Psychological Science (APS)	2018 - 2020

IN THE NEWS

Duke/UNC ADRC REC Scholar Spotlight	2025

REVIEWING ACTIVITY

Student Awards

Dean's Award for Excellence in Teaching, Duke University Graduate School	2024

Associate Editor, *Journal of Emerging Investigators* — 2024 - 2025

Ad hoc Manuscripts: *Alzheimer's & Dementia; Brain and Behavior; Brain Communications; Brain Structure & Function; Cerebral Cortex; Cognitive, Affective, & Behavioral Neuroscience; Educational Gerontology; eNeuro; Hippocampus; Human Brain Mapping; Imaging Neuroscience; Journal of Emerging Investigators; Journal of Experimental Gerontology; Journal of Magnetic Resonance Imaging; Nature Communications; Neurobiology of Aging; Neuropsychologia; iScience; Psychology and Aging; Quantitative Imaging in Medicine and Surgery* — 2016 - pres.

Verified reviews on Web of Science

Abstracts & Poster Judging

BioCoRE Posters and 3-Minute Thesis Competition, Duke University	2023
Regional Science Competition, North Carolina School of Science & Math	2023
Undergraduate Research Symposium, UCR	2020
R'PSYC Undergraduate Conference, UCR	2020 - 2021

Grants

United Kingdom Research and Innovation Foundation	2024
Neurological Foundation of New Zealand	2024
Association for Psychological Science (APS) Student Grant Competitions	2019

Formal Training

Trusted Reviewer Role for Springer-Nature	2025 - pres.
Society for Neuroscience (SfN) Peer Reviewer Mentor Certificate Program	2021

PROFESSIONAL SOCIETY MEMBERSHIPS

Association for Women in Science	2022 - 2025
Cognitive Neuroscience Society	2019 - 2025
American Psychological Association, Division 20	2020 - 2022
Psychonomic Society	2019 - 2021
Western Psychological Association	2019 - 2020
Association for Psychological Science	2017 - 2020
Society for Neuroscience	2017 - 2020, 2024 - pres.

ADDITIONAL SKILLS

Neuropsychological Test Administration
- MMSE/MOCA
- WAIS Logical Memory & Vocabulary
- Trail Making Test
- NIH Toolbox

Survey Administration
- Qualtrics & REDCap

Reference Management
- Mendeley & EndNote

Statistics
- Mediations analyses (PROCESS macro)
- R Studio, JASP
- G*Power (power analyses)

Programming / Coding
- Bash shell scripting (advanced)
- Python (intermediate)
- MATLAB (intermediate)
- DART Data Science Education Cohort, Children's Hospital of Philadelphia

MRI Data Acquisition & Analysis
- Diffusion Imaging in Python (DIPY) 2025 virtual workshop
- Advanced MRI safety training (UCR, Duke)
- University of Oxford FSL Course, British Columbia, Canada, 2017

Research Ethics
- CITI Human Subjects Research Training
- Responsible Conduct of Research and Scholarship Ethics Course (Duke, UCR)