

Ian M. McDonough

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ACADEMIC POSITIONS

Empire Innovation Associate Professor of Psychology, Binghamton University (2023 – Present)
Associate Professor, Psychology, The University of Alabama (2021 – 2023)
Adjunct Professor, Neurobiology, The University of Alabama, Birmingham (2018 – 2023)
Assistant Professor, Psychology, The University of Alabama (2015 – 2021)
Associate, Alabama Research Institute on Aging (2015 – 2022)
Postdoctoral Researcher, Center for Vital Longevity, University of Texas at Dallas (2011 – 2015)

EDUCATION

Ph.D., University of Chicago, Chicago, IL USA (June, 2011)
Concentration: Cognitive Psychology, Minor: Computational Neuroscience
Advisor: Dr. David A. Gallo; Thesis: Autobiographical reality monitoring in aging

M.A., University of Chicago, Chicago, IL USA (June, 2008)
Concentration: Cognitive Psychology, Minor: Computational Neuroscience
Advisor: Dr. David A. Gallo; Thesis: The distinctiveness of processing real and imagined events

B.S., University of California, Los Angeles, CA, USA (May, 2005)
Concentration: Cognitive Science, Specialization in Computing
Primary Research Advisor: Dr. Robert A. Bjork

RESEARCH INTERESTS

Episodic memory • Intelligence • Aging • Structure and functional neuroimaging • Dynamic fluctuations of physiological systems • Biomarkers of preclinical Alzheimer's disease • Intervention • Health disparities

AWARDS AND HONORS

Assistant Professor, University of Alabama

Excellence in Advising Award, Academic Affairs and Advisors Association, UA	2021
Chair's Award for Distinguished Research, Department of Psychology, UA	2020
Top Poster Award, 2018 National Congress at Cold Spring Harbor	2018
Best Poster Award, 2018 Rural Health Conference	2018
Arts & Sciences Program for Intensive Research (ASPIRE) Award	2018
Top Reviewers for Multidisciplinary Award	2017
Charles Barkley Health Disparities Research Investigator Award, First Place	2017
NIH/NIA Deep South Resource Center for Minority Aging Research (RCMAR) Scholar	2016-17
NIH/NIA Butler-Williams Scholar (formerly the NIA Summer Institute)	2016
NIH/OBSSR Matilda White Riley Early Stage Investigator Honors	2016
Sentinels of Science: Psychology Award	2016
Williams Fund International Travel Award, The University of Alabama	2016

Postdoctoral Researcher, University of Texas at Dallas

Collaboration Travel Award, National Chiao Tung University	2014
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Graduate Student, University of Chicago

Norman H. Anderson Award	2011
APA Dissertation Research Award	2010
Elderhostel K. Patricia Cross Doctoral Research Grant, Top 15	2010
Dewey Lecture Fellowship, University of Chicago	2010
Doolittle-Harrison Fellowship, University of Chicago	2009
Travel Award for Festschrift in Honor of Dr. Robert A. Bjork, UCLA	2008
Psychology Graduate Student Travel Awards, University of Chicago	2007-11
Century Fellowship, University of Chicago	2006-11

CURRENTLY FUNDED GRANTS

Co-Investigator

31R01HD098179, National Institutes of Health, “Early Cognitive Decline in Down Syndrome”, PI: Frances Conners; \$3,339,920; 01/20 – 12/24

PAST FUNDED GRANTS

Principal Investigator

Office for Research and Economic Development Small Grant Program, “Predictiveness of Baseline Brain Activity to Cognitive Decline in Adults at Risk for Alzheimer’s Disease”, PI, \$5,250, 1/01/2020 – 12/31/2021

P30AG031054-11, RCMAR Pilot Grant, “Measuring the Impact of Stress on Brain Structure and Function in Middle-Aged African Americans”, PI of Center Grant: Burgio; PI of Subaward: McDonough; \$25K, 2019, 10/01/19 – 06/30/22

R03AG059188, National Institute of Health, “Longitudinal Biological Pathways Leading to Alzheimer’s Disease Health Disparities in Blacks,” PI, \$143K, 02/01/19 - 11/30/20

UAB, “Consulting Agreement: Prospective Cognitive and Neuroimaging Study,” PI, \$5K, 01/01/18 - 07/01/19

College Academy of Research, Scholarship, and Creative Activity (CARSCA), “Measuring the Impact of Stress on Brain Structure and Function in Older African Americans,” PI, \$6K, 01/01/18 - 12/31/18

APF/COGDOP Graduate Research Scholarship in Psychology, PI, \$1K, 2010

APF Pre-College Psychology Grant, Co-PI, \$6K, 2010

Co-Investigator

1R21AG072469-01, National Institutes of Health, “Validation of a Virtual Reality Floor Maze Test to Detect Early Signs of Cognitive Impairment”, PI: Dario Martelli; \$355,890; 09/21 – 08/23

STATISTICAL & NEUROIMAGING CONSULTING

PI: Safiya George—DTI, functional connectivity, and Freesurfer in adolescents 2017

PI: David A. Gallo—MVPA and functional connectivity in younger and older adults 2016-2018

REFEREED ARTICLES; GOOGLE H-INDEX: 24

*Denotes graduate student since becoming faculty

**Denotes undergraduate student since becoming faculty

1. *Hung, C.-C., Crowe-White, K. M., & McDonough, I. M. (Accepted). A Seed and Soil Model of Gut Dysbiosis in Alzheimer's Disease. *Aging (US)*.

2. *Brasfield, M. B., Bui, C., Patihis, L., Crowther, M. R., Allen, R. S., & **McDonough, I. M.** (Accepted). Self-reported Chronic Stress is Unique Across Lifetime Periods: A Test of Competing Structural Equation Models. *The Gerontologist*.
3. Aiken-Morgan, A., **McDonough, I. M.**, Parisi, J., Clay, O., Thomas, K., Rotblatt, L., Thorpe, R. & Marsiske, M. (Accepted). Associations between Body Mass Index (BMI) and Cognitive Change in the ACTIVE Study: Variations by Race and Social Determinants of Health. *Journal of Aging & Health*.
4. Dean, L. T., Chung, S.-E., Gross, A. L., Clay, O. J., Willis, S. L., Crowe, M., **McDonough, I. M.**, Thomas, K. R., Marsiske, M., Aysola, J., Thorpe, R. J., Felix, C., Berkowitz, M., & Coe, N. B. (Accepted). Does consumer credit precede or follow changes in cognitive impairment among older adults? An investigation in the ACTIVE Trial. *Journal of Aging & Health*.
5. Nielson, K. A., **McDonough, I. M.**, & Soldan, A. (2023). Editorial: Insights in Neurocognitive Aging and Behavior: 2021. *Frontiers in Aging Neuroscience*.
6. **McDonough, I. M.**, Byrd, D., & Choi, S. L. (2023). Resilience Resources May Buffer Some Middle-Aged and Older Black Americans from Memory Decline Despite Experiencing Discrimination. *Social Science & Medicine*, 316, 1-12.
7. **McDonough, I. M.**, *Erwin, H. B., Sin, N. L., & Allen, R. S. (2022). Pet Ownership is Associated with Greater Cognitive and Brain Health. *Frontiers in Aging Neuroscience*.
8. **McDonough, I. M.**, *Nolan, S. A., & Visscher, K. M. (2022). 25 Years of Neurocognitive Aging Theories: What Have We Learned? *Frontiers in Aging Neuroscience*.
9. Cundiff, J. M., *Lin, S.-H., *Faulk, R., & **McDonough, I. M.** (2022). Educational quality may be a closer correlate of cardiometabolic health than educational attainment. *Scientific Reports*, 12, 1-12.
10. *Chen, Y.-T., **McDonough, I. M.**, Faig, K. E., Norman, G. J., & Gallo, D. A. (2022). Impact of Stereotype Threat on Brain Activity During Memory Tasks in Older Adults. *Neuroimage*, 260, 1-13.
11. **McDonough, I. M.**, **Mayhugh, C., **Moore, M. K., *Brasfield, M. B., *Letang, S. K., Madan, C. R., & Allen, R. S. (2022). Young adults with a parent with dementia show early abnormalities in brain activity and brain volume in the hippocampus: A matched case-control study. *Brain Sciences*, 12(4), 496.
12. **McDonough, I. M.**, Cody, S. L., Harrell, E., Garrett, S. L., & *Popp, T. E. (2022). Cognitive differences across ethnoracial category, socioeconomic status across the Alzheimer's disease spectrum: Can an ability discrepancy score level the playing field? *Memory & Cognition*.
13. *Lin, S.-H. S. & **McDonough, I. M.** (2022). Intra-individual cognitive variability in neuropsychological assessment: A sign of neural network dysfunction. *Aging, Neuropsychology, & Cognition*. 29, 375-399.
14. **McDonough, I. M.**, Harrell, E. R., Black, S. R., Allen, R. S., & Parmelee, P. A. (2022). Sources of nonreplicability in aging ethnoracial health disparities research. *Psychology & Aging*, 37(1), 60-71.
15. *Letang, S. K., *Lin, S.-H. S., Parmelee, P. A., & **McDonough, I. M.** (2021). Ethnoracial disparities in cognition are associated with multiple socioeconomic status-stress pathways. *Cognitive Research: Principles and Implications*, 6, 64.
16. **Bolling, A. J., **King, V. L., *Enam, T., & **McDonough, I. M.** (2021). Transcranial direct current stimulation (tDCS) on the dorsolateral prefrontal cortex to promote long-term foreign language vocabulary learning. *Brain & Cognition*, 154, 1-12.
17. **Silaj, K. M., **Schwartz, S. T., Castel, A. D., & **McDonough, I. M.** (2021). Is the future bright or bleak? Assessing past and future outlooks across the adult lifespan. *Gerontology and Geriatric Medicine*, 7.
18. **McDonough, I. M.**, *Enam, T., *Kraemer, K. R., Eakin, D. K., & Kim, M. (2021). Is there more to metamemory? An argument for two specialized monitoring abilities. *Psychonomic Bulletin & Review*, 28(5), 1657-1667.
19. **McDonough, I. M.**, & Madan, C. R. (2021). Structural complexity is negatively associated with brain activity: A novel multimodal test of compensation theories of aging. *Neurobiology of Aging*, 98, 185-196.

20. Lee, S., **McDonough, I. M.**, *Mendoza, J. S., *Brasfield, M. B., *Enam, T., **Reynolds, C., & **Pody, B. C. (2021). Cellphone addiction explains how cellphones impair learning for lecture materials. *Applied Cognitive Psychology*, 35, 123-135.
21. **McDonough, I. M.**, Festini, S. B., & Wood, M. M. (2020). Risk for Alzheimer's Disease: A review of long-term episodic memory encoding and retrieval fMRI studies. *Ageing Research Reviews*, 62, 1-25.
22. *Mendoza, J. S., Lee, S., & **McDonough, I. M.** (2020). The relationship between nomophobia and classroom learning: How fear of being without cellphones affects the youth population in a digital age. *Media Education Research Journal*, 9, 112-119.
23. **McDonough, I. M.**, & **Popp, T. E. (2020). Linear and non-linear relationships between cognitive subdomains of ability discrepancy and Alzheimer's disease biomarkers. *Neuropsychology*, 34, 211-226.
24. Choi, S. L., **McDonough, I. M.**, Kim, M., & Kim, G. (2020). The association between the number of chronic health conditions and advance care planning varies by race/ethnicity. *Aging & Mental Health*, 24, 453-463.
25. **McDonough, I. M.**, McDougall, G. J., LaRocca, M., George, S., Lyon, L., & Arheart, K. (2020). Refining the Metamemory in Adulthood Questionnaire: A 20-item version of change and capacity designed for research and clinical settings. *Aging & Mental Health*, 24, 1054-1063.
26. **McDonough, I. M.**, *Letang, S. K., *Erwin, H. B., & Kana, R.K. (2019). Evidence for maintained post-encoding memory consolidation across the adult lifespan revealed by network complexity. *Entropy*, 21, 1072-1088.
27. Choi, S. L., **McDonough, I. M.**, Kim, M., & Kim, G. (2019). Estate planning among older Americans: The moderating role of race and ethnicity. *Financial Planning Review*, 2, e1058.
28. Starns, J. J., Cataldo, A. M., Rotello, C. M. ... *Enam, T. ... *Kraemer, K. R. ... **McDonough, I. M.** ... (2019). Assessing theoretical conclusions with blinded inference to investigate a potential inference crisis. *Advances in Methods and Practices in Psychological Science*, 2, 335-349.
29. **McDonough, I. M.**, *Letang, S. K., & **Stinson, E. A. (2019). Dementia risk elevates brain activity during memory retrieval: An fMRI analysis of middle aged and older adults. *Journal of Alzheimer's Disease*, 70, 1005-1023.
30. **McDonough, I. M.**, *Wood, M. M., & **Miller, W. S. (2019). A review on the trajectory of attentional mechanisms in aging and the Alzheimer's disease continuum through the attention network test. *Yale Journal of Biology and Medicine*, 92, 37-51.
31. **McDonough, I. M.**, & Allen, R. S. (2019). Biological markers of aging and mental health: A seed and soil model of neurocognitive disorders. *Aging & Mental Health*, 23, 793-799.
32. Festini, S. B., Hertzog, C., **McDonough, I. M.**, & Park, D. C. (2018). What makes us busy? Predictors of perceived busyness across the adult lifespan. *The Journal of General Psychology*, 146, 111-133.
33. *Kraemer, K. R., *Enam, T., & **McDonough, I. M.** (2018). Cognitive reserve moderates older adults' memory errors in an autobiographical reality monitoring task. *Psychology & Neuroscience*, 12, 247-256.
34. Lee, S., Kim, M., *Mendoza, J. S., **McDonough, I. M.** (2018). Addicted to cellphones: Exploring the psychometric properties between the nomophobia questionnaire and obsessiveness in college students. *Heliyon*, 4, 1-20.
35. McDougall, G. J., **McDonough, I. M.**, & LaRocca, M. (2018). Memory training for adults with probable mild cognitive impairment: A pilot study. *Aging & Mental Health*, 23, 1433-1441.
36. Choi, S. L., Kim, M., & **McDonough, I. M.** (2018). Do older adults with Alzheimer's disease engage in estate planning and advance care planning preparation? *Aging & Mental Health*, 23, 872-879.
37. **McDonough, I. M.**, & Siegel, J. T. (2018). The relation between white matter microstructure and network complexity: implications for processing efficiency. *Frontiers in Integrative Neuroscience*, 12, 1-15.

38. *Mendoza, J. S., **Pody, B. C., Lee, S., Kim, M. S., & **McDonough, I. M.** (2018). The effect of cellphones on attention and learning: The influences of time, distraction, and nomophobia. *Computers in Human Behavior*, *86*, 52-60.
39. **McDonough, I. M.**, & Ramirez, G. (2018). Individual differences in math anxiety and math self-concept promote forgetting in a directed forgetting paradigm. *Learning and Individual Differences*, *64*, 33-42.
40. Keshavan, A., Datta, E., **McDonough, I. M.**, Madan, C. R., Jordan, K., & Henry, R. (2017). Mindcontrol: A web application for brain segmentation quality control. *Neuroimage*, *170*, 365-372.
41. Ramirez, G., **McDonough, I. M.**, Jin, L. (2017). Classroom stress promotes motivated forgetting of mathematics knowledge. *Journal of Educational Psychology*, *109*, 812-825.
42. **McDonough, I. M.** (2017). Beta-amyloid and cortical thickness reveal racial disparities in preclinical Alzheimer's disease. *Neuroimage: Clinical*, *16*, 659-667.
43. Lee, S., Kim, M. W., **McDonough, I. M.**, *Mendoza, J. S., & Kim, M. S. (2017). The effects of cell phone use and emotion-regulation style on college students' learning. *Applied Cognitive Psychology*, *31*, 360-366.
44. **McDonough, I. M.**, Bischof, G. N., Kennedy, K. M., Rodrigue, K. M., Farrell, M. E., & Park, D. C. (2016). Fluid and crystallized discrepancy in healthy adults: The relationship with beta-amyloid and cortical thickness. *Neurobiology of Aging*, *46*, 68-75.
45. Song, Z., **McDonough, I. M.**, Liu, P., Lu, H., & Park, D. C. (2016). Cortical amyloid burden and age moderate hippocampal activity in cognitively-normal adults. *Neuroimage: Clinical*, *12*, 78-84.
46. Festini, S. B., **McDonough, I. M.**, & Park, D. C. (2016). The busier the better: greater busyness is associated with better cognition. *Frontiers in Aging Neuroscience*, *8*, 1-10.
47. Na, J., **McDonough, I. M.**, Chan, M. Y., & Park, D. C. (2016). Social-class differences in consumer choices and memory of others' preferences in the US: The critical role of an independent vs. interdependent self-construal. *Personality and Social Psychology Bulletin*, *42*, 430-443.
48. **McDonough, I. M.**, Haber, S., Bischof, G. N., & Park, D. C. (2015). The Synapse Project: Engagement in mentally challenging activities enhances neural efficiency. *Restorative Neurology and Neuroscience*, *33*, 865-882.
49. **McDonough, I. M.**, Bui, D. C., Friedman, M. C., & Castel, A. D. (2015). Retrieval monitoring is influenced by information value: The interplay between importance and confidence on false memory. *Acta Psychologica*, *161*, 7-17.
50. **McDonough, I. M.**, Cervantes, S. C., Gray, S. J., & Gallo, D. A. (2014). Memory's aging echo: Age-related decline in neural reactivation of perceptual details during recollection. *NeuroImage*, *98*, 346-358.
51. **McDonough, I. M.** & Nashiro, K. (2014). Network complexity as a measure of information processing across resting-state networks: Evidence from the Human Connectome Project. *Frontiers in Human Neuroscience*, *8*, 1-15.
52. **McDonough, I. M.** & Gallo, D. A. (2013). Impaired retrieval monitoring for past and future autobiographical events in older adults. *Psychology & Aging*, *28*, 457-466.
53. Bui, D. C., Friedman, M. C., **McDonough, I. M.**, & Castel, A. D. (2013). False memory and importance: Can we prioritize encoding without consequence? *Memory & Cognition*, 1-9.
54. **McDonough, I. M.**, Wong, J. T., & Gallo, D. A. (2013). Age-related differences in prefrontal cortex activity during retrieval monitoring: Testing the compensation and dysfunction accounts. *Cerebral Cortex*, *23*, 1049-1060.
55. Park, D. C. & **McDonough, I. M.** (2013). The dynamic aging mind: Revelations from functional neuroimaging research. *Perspectives on Psychological Science*, *8*, 62-67.
56. **McDonough, I. M.** & Gallo, D. A. (2012). Illusory expectations can affect retrieval monitoring accuracy. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *38*, 391-404.
57. Gallo, D. A., Korthauer, L. E., **McDonough, I. M.**, Teshale, S., & Johnson E. L. (2011). Age-related positivity effects and autobiographical memory detail: Evidence from a past/future source memory task. *Memory*, *19*, 641-652.

58. Scimeca, J. M., **McDonough, I. M.**, & Gallo, D. A. (2011). Quality trumps quantity at reducing memory errors: Implications for retrieval monitoring and mirror effects. *Journal of Memory and Language*, 65, 363-377.
59. **McDonough, I. M.** & Gallo, D. A. (2010). Separating past and future autobiographical events in memory: Evidence for a reality monitoring asymmetry. *Memory & Cognition*, 38, 3-12.
60. Gallo, D. A., **McDonough, I. M.**, & Scimeca, J. M. (2010) Dissociating source memory decisions in prefrontal cortex: fMRI of diagnostic and disqualifying monitoring. *Journal of Cognitive Neuroscience*, 22, 955-969.
61. Richland, L. E., & **McDonough, I. M.** (2010). Learning by analogy: Discriminating between potential analogs. *Contemporary Educational Psychology*, 35, 28-43.
62. **McDonough, I. M.** & Gallo, D. A. (2008). Autobiographical elaboration reduces memory distortion: Cognitive operations and the distinctiveness heuristic. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 34, 1430-1445.

INVITED BOOK CHAPTERS

1. Harrell, E. R., & **McDonough, I. M.** (2022). Episodic memory and cognition in normative aging and dementia. In T. J. Farrer & E. K. Eifert (Eds.), *Dementia and Memory: Introduction for Professionals in Health and Human Services*. (pp. 37-54). Hoboken, NJ: John Wiley & Sons, Inc.
2. Allen, R. S., **McDonough, I. M.**, Albright, A., Erickson, S., Brake, G., & Salekin, K. (2018). Assessment and restoration of competency to be executed: Issues related to dementia and cognitive disability. In S. S. Bush & A. L. Heck (Eds.), *Forensic Geropsychology: Practice Essentials*. (pp. 135-166). Washington, DC: American Psychological Association.

PUBLISHED E-BOOKS

1. Nielson, K. A., **McDonough, I. M.**, & Soldan, A. (2023). *Insights in Neurocognitive Aging and Behavior: 2021*. Lausanne: Frontiers Media SA. doi: 10.3389/978-2-83251-720-8

NON-REFEREED PUBLICATIONS

1. Bolton, K. & **McDonough, I. M.** (2023). The Effects of Loneliness on Brain Structure and Cognition Across the Lifespan. *The Journal of Science and Health at The University of Alabama*, 20, 39-46.
2. Cox, M. & **McDonough, I. M.** (2022). How Racial and General Discrimination Affect the Brain: The Effect of Perceived Discrimination on the Volume of the Hippocampus and Amygdala. *The Journal of Science and Health at The University of Alabama*, 19, 39-46.
3. Bolling, A. J., King, V. L., Welch, M. M., Schrobilgen, A. N., Enam, T., & **McDonough, I. M.** (2020). The Effects of Transcranial Direct Current Stimulation on the Dorsolateral Prefrontal Cortex During Language Learning. *The Journal of Science and Health at The University of Alabama*, 17, 39-44.
4. **McDonough, I. M.**, Green, C. R., & Letang, S. K. (2019). Brain training and cognitive performance: Evidence from an interventional lifestyle program. *Today's Geriatric Medicine*, 12, 5-7.
5. **McDonough, I. M.** (2018). Fighting racial health disparities in Alzheimer's disease: How biology and the social environment put Blacks at risk. *Today's Geriatric Medicine*, 11, 10-15.
6. Keshavan, A., Madan, C. R., Datta, E., **McDonough, I. M.** (2017) Mindcontrol: Organize, quality control, annotate, edit, and collaborate on neuroimaging processing results. *Research Ideas and Outcomes* 3: e12276.
7. **McDonough, I. M.** (2016). Use it or lose it: Redefining an old idea. *Today's Geriatric Medicine*, 9, 5-7.

8. **McDonough, I. M.** (2010). Investment potential: What graduate schools look for in applicants. Association for Psychological Science Undergraduate Update. https://www.psychologicalscience.org/index.php/members/apssc/undergraduate_update/fall-2010/investment-potential-what-graduate-schools-look-for-in-applicants
9. **McDonough, I. M.** (2010). Reality monitoring in aging. Association for Psychological Science RiSE-UP online perspectives. <http://www.psychologicalscience.org/apssc/riseup/>

INVITED TALKS

International

- McDonough, I. M.**, Haber, S., Bischof G. N., & Park, D. C. (July, 2017). *Engagement in mentally challenging activities enhances neural efficiency: A focus on individual differences*. Talk delivered at the 21st IAGG World Congress of Gerontology & Geriatrics. San Francisco, CA.
- McDonough, I. M.** (May, 2016). *Functional and molecular imaging in normal aging: Evidence from lifespan and intervention studies*. Talk delivered at Cologne University Clinic. Cologne, Germany.
- McDonough, I. M.** (August, 2014). *The dynamic aging brain: Declines and reversals*. Talk delivered at National Taiwan University Medical Center. Taipei, Taiwan.
- McDonough, I. M.** (July, 2014). *The dynamic aging brain: Declines and reversals*. Talk delivered at Bangor University. Bangor, Wales, United Kingdom.

National

- McDonough, I. M.** (August, 2021). *How Cellphones and Emotional Dependence on Cellphones Affect Learning in the Classroom*. Talk delivered at the 2021 American Psychological Association annual convention. Virtual.
- McDonough, I. M.**, Allen, R. S., & Crowther, M. R. (April, 2021). *Measuring the Impact of Stress on Brain Structure and Function in Middle-Aged African Americans*. Talk delivered at the 2021 RCMAR National Meeting. Virtual.
- McDonough, I. M.** (April, 2018). *Racial health disparities in preclinical Alzheimer's disease*. Talk delivered at the 2018 RCMAR National Meeting. Bethesda, MD.
- McDonough, I. M.** (October, 2017). *Neurobiological evidence of racial health disparities in preclinical Alzheimer's disease*. Talk delivered at the RCMI Translational Science 2017 Annual Meeting. Washington, DC.
- McDonough, I. M.** (October, 2017). *Panel on the future of social and behavioral sciences*. Panel occurred at the National Academies of Sciences, Engineering, and Medicine's Symposium for the 20th Anniversary of the Board on Behavioral, Cognitive, and Sensory Sciences. Washington, DC.
- McDonough, I. M.** (October, 2017). *Health disparities in preclinical Alzheimer's disease: A neuroimaging approach*. Talk delivered at the National Academies of Sciences, Engineering, and Medicine's Symposium for the 20th Anniversary of the Board on Behavioral, Cognitive, and Sensory Sciences. Washington, DC.
- McDonough, I. M.** (December, 2016). *The effectiveness of mentally challenging activities on the brain: An individual differences perspective*. Talk delivered at monthly webinar for the Office of Behavioral and Social Sciences Research at the National Institutes of Health. Bethesda, Maryland.
- McDonough, I. M.** (January, 2013). *Individual differences in neural recruitment across the lifespan using multivariate pattern analysis*. Talk delivered at the 3rd Biennial Dallas Aging and Cognition Conference. Dallas, Texas.

Regional

- McDonough, I. M.** (April, 2023). *Determinants of Healthy Brain Aging: Challenges and Opportunities*. Department Colloquium, Binghamton University. Binghamton, New York.

- McDonough, I. M.** (September, 2022). *Measuring the Impact of Stress on Brain Structure and Function in Middle-aged Black Americans*. 2022 RCMAR Advisory Meeting. Virtual.
- McDonough, I. M.** (February, 2022). *Structural Complexity is Negatively Associated with Brain Activity: A Novel Multimodal Test of Compensation Theories of Aging*. Talk delivered at the University of North Carolina Asheville Brownbag. Virtual.
- McDonough, I. M.** (December, 2021). *Is There More to Metamemory? An Argument for Two Specialized Monitoring Abilities*. Talk delivered at the University of Chicago, Gallo Laboratory. Virtual.
- McDonough, I. M.** (July, 2021). *Structural Complexity is Negatively Associated with Brain Activity: A Novel Multimodal Test of Compensation Theories of Aging*. Talk delivered at the 10th Annual AAIC Imaging Retreat. Virtual.
- McDonough, I. M.** (November, 2018). *Alabama Brain Study on Risk for Dementia: An Assessment of Cumulative Risk on the Brain*. Talk delivered at the 7th Annual Mississippi Alzheimer's Summit. Jackson, Mississippi.
- McDonough, I. M.** (February, 2018). *Advances in preclinical AD: Consequences for cognition, the brain, and health disparities*. Talk delivered at the monthly Behavioral Neurology & Neuropsychology Educational Conference. Birmingham, Alabama.
- McDonough, I. M.** (September, 2017). *Health disparities in pre-clinical Alzheimer's disease*. Talk delivered at the Interprofessional Brownbag at Capstone Village. Tuscaloosa, Alabama.
- McDonough, I. M.** (June, 2017). BRAIN and Cognitive Science Working Group. Talk delivered at UA. Tuscaloosa, Alabama.
- McDonough, I. M. & Ramirez, G.** (April, 2017). *Motivated forgetting of mathematics knowledge*. Talk delivered at the Educational Neuroscience Brownbag, The University of Alabama. Tuscaloosa, Alabama.
- McDonough, I. M.** (September, 2016). *Preventing memory distortion using retrieval expectations*. Talk delivered at monthly Alabama Psychology Exchange Colloquium, The University of Alabama, Birmingham. Birmingham, Alabama.
- McDonough, I. M.** (March, 2016). *Retrieval expectations affect false memories*. Talk delivered at the Lunch Bunch Series, The University of Southern Mississippi. Hattiesburg, Mississippi.
- McDonough, I. M.** (February, 2016). *Retrieval expectations affect false memories*. Talk delivered at the Child Seminar Series, The University of Alabama. Tuscaloosa, Alabama.
- McDonough, I. M.** (January, 2016). *Cognitive and brain markers for preclinical Alzheimer's disease*. Talk delivered at the Alabama Research Institute on Aging, The University of Alabama. Tuscaloosa, Alabama.
- McDonough, I. M.** (December, 2015). *Age differences in brain functioning during memory formation and retrieval*. Talk delivered at the University of Alabama, Birmingham. Birmingham, Alabama.
- McDonough, I. M.** (September, 2015). *Neural markers of cognitive ability across the adult lifespan*. Talk delivered at The University of Alabama Developmental Contemporary Issues meeting. Tuscaloosa, Alabama.
- McDonough, I. M.** (September, 2015). *Fractionating metamemory: An individual differences approach*. Talk delivered at The University of Alabama Cognitive Contemporary Issues meeting. Tuscaloosa, Alabama.
- McDonough, I. M.** (September, 2015). *The adaptive aging brain: Understanding the neural correlates of episodic memory*. Talk delivered at Mississippi State University. Starkville, Mississippi.
- McDonough, I. M.** (January, 2015). *The adaptive aging brain: Understanding the neural correlates of episodic memory*. Talk delivered at The University of Alabama. Tuscaloosa, Alabama.
- McDonough, I. M.** (March, 2014). *Neural markers of cognitive ability across the adult lifespan*. Talk delivered at the Center for Vital Longevity Brown Bag at the University of Texas at Dallas. Dallas, Texas.
- McDonough, I. M.** (September, 2013). *How brain structure and function contribute to cognitive ability across the adult lifespan*. Talk delivered at Cognitive Tea at Rice University. Houston, Texas.

- McDonough, I. M.** (October, 2011). *Recollection-based retrieval monitoring in younger and older adults*. Talk delivered at the Center for Vital Longevity Brown Bag at the University of Texas at Dallas. Dallas, Texas.
- McDonough, I. M.** (October, 2010). *Metacognitive illusions enhance retrieval monitoring*. Talk delivered at Cognitive Brown Bag at the University of Illinois at Chicago. Chicago, Illinois.
- McDonough, I. M.,** Cervantes, S. N., & Gallo, D.A. (November, 2009). *Neural correlates of subjective remembering in aging*. Talk delivered at the Brain Imaging Roundtable at the University of Chicago. Chicago, Illinois.
- McDonough, I. M.** & Gallo, D. A. (May, 2007). *Evidence for the distinctiveness heuristic as a retrieval orientation strategy*. Talk delivered at the Brain Imaging Roundtable at the University of Chicago. Chicago, Illinois.

SPOKEN PRESENTATIONS

**I.M.M. presented*

International

- *McDonough, I. M.,** Byrd, D. R., Beatty Moody, D. L., Manning, M. A., Zahodne, L. B. (October, 2020). *Opposite Effects of Everyday Discrimination on Episodic Memory Level Versus Change Over 10 Years*. Talk presented at the 2020 Virtual Meeting of the International Cultural Neuroscience Society. Virtual.
- McDougall, G. J., **McDonough, I. M.,** Stanton, M. P., & Larocca, M. (July, 2017). *Benefits of memory training for adults with mild cognitive impairment in Senior WISE*. Paper presented at the 21st IAGG World Congress of Gerontology & Geriatrics. San Francisco, CA.
- McDougall, G. J., George, S. D., **McDonough, I. M.,** Lyon, L., LaRocca, M., & Arheart, K. (July, 2016). *Development and validation of the memory complaints questionnaire*. Talk presented at the 2016 Alzheimer's Association International Conference. Toronto, Canada.
- *McDonough, I. M.,** Bischof, G. N., Kennedy, K. M., Rodrigue, K. M., Farrell, M. E., & Park, D. C. (May, 2016). *Fluid and crystallized discrepancy in healthy adults: The relationship with beta-amyloid and cortical thickness*. Talk presented at the 2nd International Meeting of the Psychonomic Society. Granada, Spain.
- *Park, D. C., McDonough, I. M.,** Haber, S., & Bischof, G. N. (May, 2016). *Engagement in mentally-effortful activities enhances cognitive function and neural efficiency in older adults*. Talk presented at the 2nd International Meeting of the Psychonomic Society. Granada, Spain.
- Ramirez, G., **McDonough, I. M.,** & Ling J. (May, 2016). *Are stressed out students motivated to forget mathematics after class is over?*. Talk presented at the 2nd International Meeting of the Psychonomic Society. Granada, Spain.
- Chen, X., Festini, S. B., **McDonough, I. M.,** & Park, D. C. (May, 2016). *Cognitive change across the lifespan: Four-year longitudinal findings in the Dallas Lifespan Brain Study (DLBS)*. Talk presented at the 2nd Annual Meeting of the International Psychonomic Society. Granada, Spain.

National

- *McDonough, I. M.,** Byrd, D., & Choi, S. L. (November, 2022). *Resilience Resources May Buffer Some Middle-Aged and Older Black Americans from Memory Decline Despite Experiencing Discrimination*. Talk delivered at the 63rd Annual Meeting of the Psychonomic Society. Boston, MA.
- *McDonough, I. M.** (September, 2022). *25 Years of Neurocognitive Aging Theories*. Talk delivered for the American Psychological Association Division 20 Special Interest Group on Cognition/Cognitive Neuroscience. Virtual.
- *McDonough, I. M.,** Enam, T., Kraemer, K. R., Eakin, D. K., & Kim, M. (November, 2021). *Is There More to Metamemory? An Argument for Two Specialized Monitoring Abilities*. Talk delivered at the 62nd Annual Meeting of the Psychonomic Society. Virtual.

- ***McDonough, I. M.**, Chen, Y.-T., & Gallo, D. A. (November, 2020). Machine Learning Classification of Brain Activity Reveals Unique Effects of Aging Stereotypes on Cognition. Talk delivered at the 61st Annual Meeting of the Psychonomic Society. Virtual.
- ***McDonough, I. M.** (January, 2019). *Converging evidence for an ability discrepancy to detect risk for Alzheimer's disease*. Talk presented at the 2019 Dallas Aging and Cognition Conference. Dallas, Texas.
- McDougall, G. J., **McDonough, I. M.**, (September, 2018). *Memory self-efficacy and cognitive interventions*. Talk presented at the 2018 State of the Science Congress on Nursing Research: Precision Health. Washington, DC.
- *Park, D. C. & **McDonough, I. M.** (August, 2017). *Engagement in mentally effortful leisure activities as a mechanism for cognitive enhancement*. Talk presented at the 125th annual convention of the American Psychological Association. Washington, DC.
- Choi, S., Kim, M., & **McDonough, I. M.** (April, 2017). *Do people with Alzheimer's disease have the proper estate planning preparation?* Talk presented at the 2017 American Council on Consumer Interests Conference. Albuquerque, New Mexico.
- McDougall, G. J., George, S. D., **McDonough, I. M.**, Lyon, L., Arheart, K. & LaRocca, M. (November, 2016). *Developing and testing the memory satisfaction scale*. Talk presented at the Gerontological Society of America Annual Meeting 2016. New Orleans, Louisiana.
- Allen, R. S., Crowther, M. R., Ivey, K. C., **McDonough, I. M.**, Parmelee, P. A., & Burgio, L. D. (November, 2016). *Predictors of financial bother among racially diverse dementia caregivers*. Talk presented at the Gerontological Society of America Annual Meeting 2016. New Orleans, Louisiana.
- Bischof, G. N., Kennedy, K. M., **McDonough, I. M.**, Rodrigue, K. M., Rieck, J., Devous, M. D., & Park, D. C. (November, 2014). *Structural consequences of amyloid burden across the adult lifespan*. Talk delivered at the 44th Annual Meeting of the Society for Neuroscience. Washington, D. C.
- Haber, S., **McDonough, I. M.**, Bischof, G.N. & Park, D. C. (November, 2013). *Novel and demanding leisure activities augment the aging brain: Evidence from the synapse Project*. Talk delivered at 66th Annual Scientific Meeting of the Gerontological Society of America. New Orleans, Louisiana.
- Haber, S., **McDonough, I. M.**, & Park, D. C. (November, 2013). *Sustained cognitive engagement leads to long term enhancements in neural recruitment: Evidence from a lifestyle intervention in older adults*. Talk delivered at 43rd Annual Meeting of the Society for Neuroscience. San Diego, California.
- ***McDonough, I. M.**, Reuter-Lorenz, P. A., Rieck, J. R., Kennedy, K. M., Rodrigue, K. M., Hebrank, A. C., & Park, D. C. (October, 2012). *The relationship between individual differences in cognitive functioning and neural distinctiveness across the lifespan as revealed by multivariate pattern analysis*. Talk delivered at 42nd Annual Meeting of the Society for Neuroscience. New Orleans, Louisiana.
- Gallo, D. A. & **McDonough, I. M.** (November, 2008). *Reducing false memories in younger and older adults with autobiographical elaboration*. Talk delivered at the 49th Annual Meeting of the Psychonomic Society. Chicago, Illinois.
- Richland, L. E., Holyoak, K. J., & **McDonough, I. M.** (April, 2007). *Improving discrimination between relevant and irrelevant transfer problems through instructional comparisons*. Talk delivered at the 2007 AERA Annual Meeting. Chicago, Illinois.

Regional

- McDonough, I. M.** (April, 2023). Resilience Resources May Buffer Some Middle-Aged and Older Black Americans from Memory Decline Despite Experiencing Discrimination. Talk delivered at the 2023 UAB Health Equity Research Symposium. Birmingham, Alabama.
- Nicastro, A. K. & **McDonough, I.M.** (April, 2022). *How Does Busyness Affect your Brain Structure?* Talk presented at the 25th Annual Mid-South Psychology Conference. Memphis, Tennessee.

- Choi, S. L., Choi, J., **McDonough, I. M.**, & Jiang, Z. (April, 2020). *Aging Alone and Depression in Later Life*. Paper presented at the UAB Personal Finance Symposium. Birmingham, Alabama.
- ***McDonough, I. M.**, Letang, S.K., & Stinson, E. A. (April, 2019). *Biological Mechanisms Underlying Social Determinants of Risk for Dementia: An fMRI Analysis of Middle Aged and Older Adults*. Paper presented at the 14th Annual UAB Health Disparities Research Symposium. Birmingham, Alabama.
- ***McDonough, I. M.** (May, 2017). *Beta-amyloid and cortical thickness reveal racial disparities in preclinical Alzheimer's disease*. Paper presented at the 2017 UAB Health Disparities Research Symposium. Birmingham, Alabama.
- ***McDonough, I. M.** & Gallo, D. A. (May, 2011). *Autobiographical reality monitoring in aging: Contributions of recollection and metacognition*. Talk delivered at the 83rd Annual Meeting of the Midwestern Psychological Association. Chicago, Illinois.
- ***McDonough, I. M.** & Gallo, D.A. (April, 2009). *Decoupling the distinctiveness heuristic and memorial distinctiveness*. Talk delivered at the 81st Annual Meeting of the Midwestern Psychological Association. Chicago, Illinois.
- ***McDonough I. M.** (April, 2009). *Separating past and future autobiographical events in memory*. Talk delivered at 2009 Psychfest. Chicago, Illinois.
- ***McDonough, I. M.** & Gallo, D. A. (May, 2008). *Discriminating between real and imagined events*. Talk delivered at the 80th Annual Meeting of the Midwestern Psychological Association. Chicago, Illinois.
- ***McDonough, I. M.** (April, 2008). *Perceptual information helps reduce false recognition errors*. Talk delivered at 2008 Psychfest. Chicago, Illinois.
- ***McDonough, I. M.** & Gallo, D. A. (April, 2007). *The Distinctiveness of autobiographical memory elaboration*. Talk delivered at 2007 Psychfest. Evanston, Illinois.

POSTER PRESENTATIONS

International

- McDonough, I. M.**, Festini, S. B., & Wood, M. M. (August, 2020). *Risk for Alzheimer's disease: A review of long-term episodic memory encoding and retrieval fMRI studies*. Poster presented at the 2020 Alzheimer's Association International Conference. Virtual.
- McDonough, I. M.**, Mendoza, J. S., Pody, B., Lee, S., Kim, M. S., & Kim, M. (May, 2018). *Desperate for attention: When cell phones disrupt memory and learning*. Poster presented at the 3rd International Meeting of the Psychonomic Society. Amsterdam, Netherlands.
- Keshavan, A., Datta, E., **McDonough, I. M.**, Madan, C. R., Jordan, K., & Henry, R. (June, 2017). *Mindcontrol: A web application for brain segmentation quality control*. Organization for Human Brain Mapping 2017 Annual Meeting. Vancouver, Canada.
- McDonough, I. M.**, Ramirez, G., & Ling J. (May, 2016). *An online research study on motivated forgetting of mathematics*. Poster presented at the 2nd International Meeting of the Psychonomic Society. Granada, Spain.
- McDonough, I. M.**, Rieck, J. R., Bischof, G. N., Reuter-Lorenz, P. A., & Park, D. C. (July, 2014). *Structural and functional correlates of cognitive ability across the adult lifespan*. Poster presented at the 12th International Conference on Cognitive Neuroscience. Brisbane, Australia.

National

- McDonough, I. M.**, Erwin, H.B., Apostolou, H.L., McIntyre, A.C., Crowther, M.R., & Allen, R.S. (March, 2023). *Different Lifetime Periods of Stress Uniquely Predict Brain Function During Working Memory and Episodic Retrieval Tasks*. Poster presented at the 30th Annual Meeting of the Cognitive Neuroscience Society. San Francisco, CA.

- Apostolou, H. L., & **McDonough, I. M.** (November, 2022). *Effects of Loneliness in Middle-Aged and Older Adults: An Examination of Brain Structure*. Poster presented at the 63rd Annual Meeting of the Psychonomic Society. Boston, MA.
- Cundiff, J. M., Lin, S.-H. S., Faulk, R. D., **McDonough, I.M.** (March, 2022). *Testing the unique effect of educational quality on BMI and central adiposity in adulthood and hypothesized mediators*. Poster presented at the 78th Annual Meeting of the American Psychosomatic Society, Long Beach, CA.
- Erwin, H.B. & **McDonough, I.M.** (March, 2022). *The Influence of Aging on the Neural Correlates of Judgments of Learning: Are Compensatory Mechanisms at Play?* Poster presented at the 29th Annual Meeting of the Cognitive Neuroscience Society. Virtual.
- Kraemer, K. R., Black, S. R., & **McDonough, I. M.** (November, 2021). *The Relationship Between Memory Self-Efficacy, Task Engagement, and Memory Performance During a Source Memory Task*. Poster presented at the 62nd Annual Meeting of the Psychonomic Society. Virtual.
- Lin, S. S.-H. & **McDonough, I. M.** (March, 2021). *Association between Intra-Individual Cognitive Variability and the Brain: Evidence from Neuroanatomy and Connectivity*. Poster presented at the 28th Annual Meeting of the Cognitive Neuroscience Society. Virtual.
- Kraemer, K. R., Black, S. R., & **McDonough, I. M.** (November, 2020). *The Relation Between Memory Self-Efficacy and Reality Monitoring*. Poster presented at the 61st annual meeting of the Psychonomic Society. Virtual.
- Herrera, M. E., **McDonough, I. M.**, & Patihis, L. (November, 2019). *The effect of current appraisal of success and memory of love towards mothers*. Poster presented at the 60th annual meeting of the Psychonomic Society. Québec, Canada.
- McDougall, G. J., **McDonough, I. M.**, & Kraemer, K. R. (November, 2019). *Effect of stigma on outcomes of a memory training intervention*. Poster presented at the Gerontological Society of America 2019 Scientific Meeting. Austin, Texas.
- Bolling, A. J., Enam, T., King, V. L., Schrobilgen, L., **McDonough, I. M.** (October 2019). *Does transcranial direct current stimulation of the dorsolateral prefrontal cortex effect language learning in young adults?* Poster Presented at the 50th Annual Meeting of the Society for Neuroscience. Chicago, Illinois.
- Chen, Y.-T., Faig, K. E., **McDonough, I. M.**, Norman, G. J., Gallo, D. A. (March, 2019). *Effect of aging stereotype activation on older adults' memory and neural activity*. Poster presented at the Cognitive Neuroscience Society 2019 annual meeting. San Francisco, California.
- Enam, T., Kraemer, K. R., & **McDonough, I. M.** (January, 2019). *The role of cognitive reserve (CR) in reducing false memory in young-old and old-old adults*. Poster presented at the 2019 Dallas Aging and Cognition Conference. Dallas, Texas.
- McDougall, G. J., & **McDonough, I. M.** (November, 2018). *Predictors of memory self-efficacy for cognitive intervention outcomes*. Poster presented at the Gerontological Society of America 2018 Scientific Meeting. Boston, Massachusetts.
- Choi, S., **McDonough, I. M.**, Kim, M., & Kim, G. (November, 2018). *The influence of comorbid health conditions and race/ethnicity on advance care planning*. Poster presented at the Gerontological Society of America 2018 Scientific Meeting. Boston, Massachusetts.
- Letang, S. K., **McDonough, I. M.**, & Parmelee, P. A. (November, 2018). *Evidence for shared and unique pathways of stress on cognition as a function of race and ethnicity in young adults*. Poster presented at the 59th annual meeting of the Psychonomic Society. New Orleans, Louisiana.
- Enam T. & **McDonough, I. M.** (November, 2018). *Integrating multiple cues in metamemory: Using the illusory effect of font size and level of processing to inform FOK judgments*. Poster presented at the 59th annual meeting of the Psychonomic Society. New Orleans, Louisiana.
- Mendoza, J. S., Lee, S., & **McDonough, I. M.** (October, 2018). *Can't keep my eyes off of you: When smartphones steal attention during a lecture*. Poster presented at Digital Media and Developing Minds Second National Congress and Exposition. Long Island, New York.

- Enam T. & **McDonough, I. M.** (August, 2018). *Effect of multiple fluency cues on feeling of knowing judgments*. Poster presented at the 2018 American Psychological Association Convention. San Francisco, California.
- Enam, T., Kraemer, K. R., Gallo, D. A., & **McDonough, I. M.** (May, 2018). *False memory and aging: The role of cognitive reserve in young-old and old-old adults*. Poster presented at the 2018 Cognitive Aging Conference. Atlanta, Georgia.
- Letang, S., **McDonough, I. M.**, Mayhugh, C., Moore, M. K., & Brasfield, M. B. (May, 2018). *Family history of Alzheimer's disease reveals hippocampal abnormalities in young adulthood*. Poster presented at the 2018 Cognitive Aging Conference. Atlanta, Georgia.
- McDonough, I. M.** & Green, C. R. (May, 2018). *Total Brain Health® programs improve brain health knowledge and memory self-efficacy in older adults: A pilot study*. Poster presented at the 2018 Cognitive Aging Conference. Atlanta, Georgia.
- McDougall, G. J. & **McDonough, I. M.** (March, 2018). *Memory training for adults with mild cognitive impairment*. Poster presented at the 9th annual evidenced based practice research conference. Optimizing Outcomes Through Interprofessional Care Delivery. Sponsored by Ochsner Health System. New Orleans, Louisiana.
- Enam, T., Kraemer, K. R., Gallo, D. A., & **McDonough, I. M.** (November, 2017). *False memory and aging: The role of cognitive reserve in young-old and old-old adults*. Poster presented at the 58th Annual Meeting of the Psychonomic Society. Vancouver, Canada.
- Kraemer, K. R., Enam, T., Eakin, D. K., & **McDonough, I. M.** (November, 2017). *Understanding metamemory: A general ability or separate systems?* Poster presented at the 58th Annual Meeting of the Psychonomic Society. Vancouver, Canada.
- McDougall, G. J. & **McDonough, I. M.** (October, 2017). *Memory satisfaction questionnaire for older adults*. Poster presented at the annual meeting of the American Academy Nursing, 2017: Transforming Health, Driving Policy Conference. Washington, DC.
- Lee, S., Kim, M-S, **McDonough, I. M.**, & Kim, M-W. (October, 2017). *Invariant effects of nomophobia on mindfulness, obsessiveness, and student learning*. Poster will be presented at the 2017 Annual Meeting of the Society for Teaching of Psychology. San Antonio, Texas.
- McDougall, G. J. & **McDonough, I. M.** (September, 2017). *Memory training for adults with mild cognitive impairment*. Poster presentation at the 9th annual evidenced based practice research conference. Optimizing Outcomes Through Interprofessional Care Delivery. New Orleans, LA.
- McDonough, I. M.** & McDougall, G. J. (March, 2017). *Can memory training remediate mild cognitive impairment?* Poster presented at the 2017 Aging in America Conference. Chicago, Illinois.
- McDonough, I. M.** (January, 2017). *African Americans with elevated beta-amyloid show greater signs of neurodegeneration than Whites*. Poster presented at the 5th Biennial Dallas Aging and Cognition Conference. Dallas, Texas.
- Chen, X., Festini, S. B., **McDonough, I. M.**, Park, D. C., & Hertzog, C. (January, 2017). *Change in processing speed predicts change in other cognitive domains: Four-year longitudinal findings in the Dallas Lifespan Brain Study*. Poster presented at the 5th Biennial Dallas Aging and Cognition Conference. Dallas, Texas.
- McDonough, I. M.**, Mendoza, J. S., Pody, B. C., Reynolds, C., Lee, S., & Kim, M. W. (November, 2016). *Memory self-efficacy creates illusion of control: The effects of distraction and metamemory on learning*. Poster presented at the 57th Annual Meeting of the Psychonomic Society. Boston, Massachusetts.
- Kraemer, K. R., **McDonough, I. M.**, & Gallo, D. A. (November, 2016). *Memory properties and retrieval goals predict reality monitoring for autobiographical events*. Poster presented at the 57th Annual Meeting of the Psychonomic Society. Boston, Massachusetts.
- Enam, T., **McDonough, I. M.**, & Eakin, D. K. (November, 2016). *Level of encoding detail has a differential influence on memory performance and metamemory ratings*. Poster presented at the 57th Annual Meeting of the Psychonomic Society. Boston, Massachusetts.

- McDougall, G. J., **McDonough, I. M.**, Stanton, M. P., & Larocca, M. (October, 2016). *Memory training for adults with mild cognitive impairment*. Poster presentation at the annual meeting of the American Academy Nursing. Washington, DC.
- Chen, X., Festini, S. B., **McDonough, I. M.**, & Park, D. C. (April, 2016). *Cognitive change across the lifespan: Four-year longitudinal findings in the Dallas Lifespan Brain Study (DLBS)*. Poster presented at the 2016 Cognitive Aging Conference. Atlanta, Georgia.
- McDonough, I. M.**, Bischof, G. N., Kennedy, K. M., Rodrigue, K. M., Farrell, M. E., & Park, D. C. (January, 2016). *Fluid and crystallized discrepancy in healthy adults: The relationship with beta-amyloid and cortical thickness*. Poster presented at the 10th Human Amyloid Imaging meeting. Miami, Florida.
- Festini, S. B., **McDonough, I. M.**, & Park, D. C. (November, 2015). *Busyness across the adult lifespan: The busier the better*. Poster presented at the 55th Annual Meeting of the Psychonomic Society. Chicago, Illinois.
- Bischof, G. N., Kennedy, K. M., **McDonough, I. M.**, Rodrigue, K. M., Rieck, J. R., Devous, M. D., & Park, D. C. (January, 2015). *Differential patterns of cortical thickness in individuals with elevated beta-amyloid across the adult lifespan*. Poster presented at the 4th Biennial Dallas Aging and Cognition Conference. Dallas, Texas.
- McDonough, I. M.**, Bischof, G. N., & Park, D. C. (January, 2015). *Structural correlates of cognitive ability differ across the adult lifespan*. Poster presented at the 4th Biennial Dallas Aging and Cognition Conference. Dallas, Texas.
- Bischof, G. N., Kennedy, K. M., **McDonough, I. M.**, Rodrigue, K. M., Rieck, J. R., Devous, M. D., & Park, D. C. (January, 2015). *Differential patterns of cortical thickness in individuals with elevated beta-amyloid across the adult lifespan*. Poster presented at the 9th Human Amyloid Imaging Conference. Miami, Florida.
- McDonough, I. M.**, Lee N. H. & Ramirez, G. (November, 2014). *Prior math familiarity leads to decreased performance for math-anxious individuals*. Poster presented at the 54th Annual Meeting of the Psychonomic Society. Long Beach, California.
- Hatt, C. R., **McDonough, I. M.**, Haber, S., & Park, D. C. (May, 2014). *Changes in lifestyle engagement reduce blood pressure in older adults*. Poster presented at the 26th Annual Meeting of the Association of Psychological Science. San Francisco, California.
- McDonough, I. M.**, Bui D. C., & Castel, A. D. (April, 2014). *Reducing false memories takes more time with age: Age-related differences in value-directed processing*. Poster presented at the Cognitive Aging Conference 2014. Atlanta, Georgia.
- McDonough, I. M.** & Park, D. C. (April, 2014). *Differences in brain variability across the adult lifespan as a function of cognitive challenge*. Poster presented at the Cognitive Aging Conference 2014. Atlanta, Georgia.
- Haber, S., **McDonough, I. M.**, Chan, M. Y., & Park, D. C. (April, 2014). *Sustained mental challenge can lead to long-term enhancements in cognitive and brain function*. Poster presented at the Cognitive Aging Conference 2014. Atlanta, Georgia.
- Gray, S. J., **McDonough, I. M.**, Cervantes, S. N., & Gallo, D. A. (April, 2014). *Rejecting emotional gist: Age-related differences in right DLPFC and false recollection of arousing pictures*. Poster presented at the 21st Annual Meeting of the Cognitive Neuroscience Society. Boston, Massachusetts.
- McDonough, I. M.**, Bui, D. C., Friedman, M. C., & Castel, A. D. (November, 2013). *Initiation and effectiveness of retrieval monitoring depends on information value*. Poster presented at the 53rd Annual Meeting of the Psychonomic Society. Toronto, Canada.
- Chan, M. Y., **McDonough, I. M.**, & Park, D. C. (November, 2013). *A lifespan study of connectivity differences in four large-scale brain networks*. Poster presented at 43rd Annual Meeting of the Society for Neuroscience. San Diego, California.

- McDonough, I. M.** (November, 2013). *Neural complexity predicts cognition across different resting state networks*. Poster presented at 43rd Annual Meeting of the Society for Neuroscience. San Diego, California.
- Haber, S., **McDonough, I. M.**, & Park, D. C. (April, 2013). *Giving your brain a boost: Engaging activities enhance neural recruitment*. Poster presented at the 20th Annual Meeting of the Cognitive Neuroscience Society. San Francisco, California.
- Rieck J. R., Beaton, D., **McDonough, I. M.**, Abdi, H., & Park, D. C. (April, 2013). *Dissociating age-related patterns of neural activity along the ventral visual stream during face and object processing*. Poster presented at the 20th Annual Meeting of the Cognitive Neuroscience Society. San Francisco, California.
- McDonough, I. M.**, Rieck, J. R., Hebrank, A. C., Reuter-Lorenz, P. A., & Park, D. C. (April, 2013). *Individual differences in cognitive ability differentially affect neural modulation across the lifespan: A multivariate spatio-temporal analysis*. Poster presented at the 20th Annual Meeting of the Cognitive Neuroscience Society. San Francisco, California.
- Haber, S., **McDonough, I. M.**, & Park, D. C. (January, 2013). *Engaging activities enhance neural recruitment: Evidence from the synapse project*. Poster presented at the 3rd Biennial Dallas Aging and Cognition Conference. Dallas, Texas.
- Chan, M. Y., **McDonough, I. M.**, & Park, D. C. (January, 2013). *Functional connectivity in the executive function network is associated with personality traits from the NEO PI-R*. Poster presented at the 3rd Biennial Dallas Aging and Cognition Conference. Dallas, Texas.
- McDonough, I.M.**, Kennedy, K.M., Rodrigue, K.M., Hebrank, A.C., & Park, D.C. (November, 2012). *Neural Patterns during Successful Memory Formation across the Lifespan using Multivariate Pattern Analysis*. Poster presented at the 53rd Annual Meeting of the Psychonomic Society. Minneapolis, Minnesota.
- Chan, M. Y., **McDonough, I. M.**, & Park, D. C. (October, 2012). *Functional connectivity in the executive function network is associated with personality traits from the NEO PI-R*. Poster presented at 42nd Annual Meeting of the Society for Neuroscience. New Orleans, Louisiana.
- McDonough, I.M.**, Kennedy, K.M., Rodrigue, K.M., Hebrank, A.C., & Park, D.C. (April, 2012). *Differences in neural patterns during memory encoding across the lifespan using multi-voxel pattern analysis*. Poster presented at the Cognitive Aging Conference 2012. Atlanta, Georgia.
- McDonough, I.M.**, Hebrank, A.C., Kennedy, K.M., Rodrigue, K.M., & Park, D.C. (April, 2012). *The neural complexity of aging hypothesis: The relationship between BOLD activity, age, and cognition*. Poster presented at the 19th Annual Meeting of the Cognitive Neuroscience Society. Chicago, Illinois.
- Cervantes, S.N., Wong, J.T., **McDonough, I.M.**, Dolan, P.O., Donaldson, D.I., & Gallo, D.A. (April, 2012). *Role of left parahippocampal gyrus in episodic and semantic familiarity*. Poster presented at the 19th Annual Meeting of the Cognitive Neuroscience Society. Chicago, Illinois.
- Bui, D.C., **McDonough, I.M.**, Friedman, M.C., Castel, A.D., & Myerson, J. (November, 2011). *False memory and importance: Can we prioritize without consequence?* Poster presented at the 52nd Annual Meeting of the Psychonomic Society. Seattle, Washington.
- McDonough, I.M.**, Wong, J. T. & Gallo, D.A. (April, 2011). *Aging reduces the selectivity of the dorsolateral prefrontal cortex during retrieval monitoring*. Poster presented at the 18th Annual Meeting of the Cognitive Neuroscience Society. San Francisco, California.
- Cervantes, S. N., **McDonough, I.M.**, & Gallo, D.A. (April, 2011). *Aging decouples subjective recollection from perceptual reactivation*. Poster presented at the 18th annual meeting of the Cognitive Neuroscience Society. San Francisco, California.
- McDonough, I.M.**, Wong, J. T. & Gallo, D.A. (February, 2011). *Age-related changes in prefrontal activity during retrieval monitoring*. Poster presented at the 2011 Dallas Aging and Cognitive Conference. Dallas, Texas.

- Cervantes, S. N., **McDonough, I.M.**, & Gallo, D.A. (February, 2011). *Age-related changes in visual cortex activity during picture recollection*. Poster presented at the 2011 Dallas Aging and Cognitive Conference. Dallas, Texas.
- McDonough, I.M.** & Gallo, D.A. (November, 2009). *Illusory memory expectations can reduce false recognition errors*. Poster presented at the 50th Annual Meeting of the Psychonomic Society. Boston, Massachusetts.
- Gallo, D. A., **McDonough, I. M.**, & Wong, J. T. (September, 2009). *Neurocognitive effects of aging on distinctive memory retrieval*. Poster presented at the annual American Federation of Aging Research grantees conference. Santa Barbara, California.
- McDonough, I.M.** & Gallo, D.A. (May, 2008). *Relating subjective distinctiveness to source monitoring accuracy*. Poster presented at the 20th Annual Meeting of the Association of Psychological Science. Chicago, Illinois.
- Gallo, D.A., **McDonough, I.M.**, & Scimeca, J.M. (April, 2008). *Prefrontal regions differentially contribute to source monitoring processes*. Poster presented at the 15th Annual Meeting of the Cognitive Neuroscience Society. San Francisco, California.
- McDonough, I.M.** & Gallo, D.A. (May, 2007). *The Distinctiveness of autobiographical memory retrieval*. Poster presented at the 19th Annual Meeting of the Association of Psychological Science. Washington, D.C.
- Storm, B.C., Caughey, B.J., Bjork, E.L., **McDonough, I.M.**, Wickens, T.D. (November, 2006). *The Benefit of being forgotten*. Poster presented at the 47th Annual Meeting of the Psychonomic Society. Houston, Texas.
- Richland, L.E. & **McDonough, I.M.** (November, 2006). *Strategies for improving learning through increased support for structural comparisons*. Poster presented at the 47th Annual Meeting of the Psychonomic Society. Houston, Texas.
- McDonough, I.M.**, Caughey, J.B., & Bjork, R. A. (November, 2005). *Retrieval-induced forgetting in relation to gender, study length, and time of day*. Poster presented at the 46th Annual Meeting of the Psychonomic Society. Toronto, Canada.

Regional

- Brasfield, M. B., **McDonough, I. M.**, Allen, R. S., Chuong, B., Crowther, M.R., & Patihis, L. (April, 2023). *Self-Reported Chronic Stress is Unique Across Lifetime Periods: A Test of Competing Structural Equation Models*. Poster presented at the 69th Annual Meeting of the Southeastern Psychological Association. New Orleans, Louisiana.
- Erwin, H. B., Sin, N. L., Allen, R. S., & **McDonough, I. M.** (April 2022). The association between pet ownership and cognition: Can pets protect against cognitive decline? Poster presented at the 2022 Cognitive Aging Conference. Atlanta, Georgia.
- Kent, B. K., Bassiri, N., Logan, M., Allred, T., Apostolou, H. L., Martelli, D., & **McDonough, I. M.** (April, 2022). *Bridging the neural correlates of episodic memory and spatial navigation using functional near-infrared spectroscopy*. Poster presented at the 25th Annual Mid-South Psychology Conference. Memphis, Tennessee.
- Brasfield, M. B., & **McDonough, I. M.** (March, 2022). *Effects of a Teaching Expectancy on Relative Metacomprehension Accuracy*. Poster presented at the 68th Annual Meeting of the Southeastern Psychological Association. Hilton Head, South Carolina.
- Lin, S. S.-H. & **McDonough, I. M.** (July, 2020). *Intra-individual cognitive variability in neuropsychological testing: A harbinger of frontal dysfunction*. Poster presented at the 2020 Alabama Advanced Imaging Consortium Retreat. Virtual.
- Letang, S. K., **McDonough, I. M.**, Parmelee, P. A., & Stinson, E. A. (April, 2019). *Do stress and socioeconomic status mediate racial disparities in cognition in young adults?*. Poster presented at the 14th Annual UAB Health Disparities Research Symposium. Birmingham, Alabama.
- McDonough, I. M.**, Mayhugh, C., Moore, M. K., Brasfield, M. B., Letang, S. K., & Allen, R. S. (July, 2018). Young adults with a parent with dementia show early abnormalities in brain activity and

- brain volume. Poster presented at the 2018 Alabama Advanced Imaging Consortium (AAIC) Retreat. Delta, Alabama.
- Choi, S., **McDonough, I. M.**, Kim, M., & Kim, G. (April, 2018). *Comorbid health conditions and racial/ethnic differences in advance care planning among middle-aged and older adults*. Poster presented at the 2018 Rural Health Conference. Tuscaloosa, AL. Received first place poster award.
- McDonough, I. M.**, Choi, S., Kim, M., & Kim, G. (March, 2018). *The influence of comorbid health conditions and race/ethnicity on advance care planning*. Poster presented at the 13th Annual UAB Health Disparities Research Symposium. Birmingham, Alabama.
- McDonough, I. M.**, Gray, S. J., Cervantes, S. N., & Gallo, D. A. (June, 2014). *Rejecting emotional gist: Age-related differences in right DLPFC and false recollection of arousing pictures*. Poster presented at the UTD 2014 Neuroscience Research Conference: Emotional Learning and Memory. Dallas, Texas.
- McDonough, I.M.**, Storm, B.C., Bjork, R.A., Nostojko, J. (April, 2006). *Retrieval-induced forgetting in phonologically related categories*. Poster presented at the 86th Annual Meeting of the Western Psychological Association. Palm Springs, California.

COMMUNITY PRESENTATIONS

- McDonough, I. M.** (June, 2022). *The ACAR Brain Health Intervention Study: Update*. Talk delivered to ACTS Life Engagement Communities. Online.
- McDonough, I. M.** (July, 2020). *The Effects of Stress on the Brain and Cognition*. Talk delivered to the Aging Gracefully series by OLLIE in the Capstone Village. Tuscaloosa, Alabama.
- McDonough, I. M.** (March, 2019). *The ACAR Brain Health Intervention Study: Moving the Science of Brain Health Forward*. Talk delivered to ACTS Life Engagement Communities. Boca Raton, Florida.
- McDonough, I. M.** (November, 2018). *Successful Cognitive Aging*. Talk delivered to ACTS Life Engagement Communities. Huntsville, Alabama.
- McDonough, I. M.** (June, 2018). *Total Brain Health Research Project*. Talk delivered to ACTS Life Engagement Communities. Huntsville, Alabama.
- McDonough, I. M.** (May, 2018). *Interventions for Successful Cognitive Aging*. Talk delivered to the Alzheimer's of Central Alabama. Birmingham, Alabama.
- McDonough, I. M.** (April, 2018). *Understanding and Engaging the Aging Mind*. Talk delivered to the Aging Gracefully series by OLLIE in the Capstone Village. Tuscaloosa, Alabama.
- McDonough, I. M.** (September, 2016). *Assessing Brain Differences in African Americans at Risk for Alzheimer's Disease*. Talk delivered to SOAR (Sharing Opinions and Advice on Research in the Deep South). Holt, Alabama.
- McDonough, I. M.** (December, 2014). *Straddling the boundaries between healthy and pathological aging*. Talk delivered to the Alzheimer's Association. Dallas, Texas.
- McDonough, I. M.** (June, 2014). *Understanding and engaging the aging mind*. Talk delivered to the Northridge Presbyterian Church. Dallas, Texas.
- McDonough, I. M.**, Haber, S., & Nashiro, K. (November, 2013). *Understanding and engaging the aging mind*. Talk delivered to the iACT Summit. Dallas, Texas.
- McDonough, I. M.** (February, 2012). *The aging mind*. Talk delivered to the Women Educators of Dallas. Richardson, Texas.
- McDonough, I. M.**, & Wong, J. T. (October, 2009). *The aging brain: Remembering over time*. Talk delivered at Montgomery Place Retirement. Chicago, Illinois.
- McDonough I. M.** (December, 2008). *Getting the grade: Improving test performance*. Talk delivered at the University of Chicago Laboratory School. Chicago, Illinois.

THESES AND DISSERTATIONS

Undergraduate Psychology Honors Theses, The University of Alabama, Chair/Co-Chair

- Savage, L. (2024). *Source Monitoring Deficits in Individuals With Higher Positive Schizotypy Trait Presentation.*
- Nicastro, A. (2022). *How Does Busyness Affect Your Brain Structure?*
- Cox, M. (2022). *How Discrimination Affects the Brain: The effect of perceived discrimination on the volume of the hippocampus and amygdala.*
- Owens, M. (2020). *The Effects of Adverse Childhood Experiences (ACEs) and Lifestyle Moderators on Functional Connectivity in Adults at Risk for Alzheimer's Disease.*
- Hostetler, M. (2020). *Intersectional Stressors and the Effect on Brain Regions Associated with Alzheimer's and Other Dementia Diseases.*
- Stinson, A. (2019). *How Race Moderates the Relationship Between Vascular Risk Factors and Brain Activation.*
- McGuire, L. (2018). *Encoding Activity in Sedentary Versus Physically Active Jobs using fMRI.*
- Hessler, L. (2017). *Lifestyle Factors and Brain Structure in Preclinical Alzheimer's Disease.*

Master's Theses, The University of Alabama, Chair/Co-Chair

- Apostolou, H. (2023). *Effects of Loneliness on Brain Structure and Cognition Across the Lifespan.*
- Erwin, H. (2021). *The Influence of Aging on the Neural Correlates of Judgments of Learning.*
- Brasfield, M. (2021). *Effects of a Teaching Expectancy on Metacognition and Learning.*
- Enam, T. (2017). *Effect of Multiple Fluency Cues on Feeling of Knowing (FOK) Judgments.*

Master's Theses, The University of Alabama, Committee Member

- Sieg, L. (2022). *Plasticity of Cognitive Abilities in Fish.*

Doctoral Dissertations, The University of Alabama, Chair/Co-Chair

- Brasfield, M. (2024). *A metacomprehension study: The influence of monitoring and control on text comprehension.*
- Lin, S. (2024). *In Between Depression and Decline: The Role of Intra-Individual Cognitive Variation.*
- Letang, S. (2022). *Significant Memory Concerns: The Moderating Effect on Biomarkers of Alzheimer's Disease and Learning and Memory Performance.*
- Mendoza, J. (2021). *Differences in Spatial Memory Between Chronic Vs. Normative Smartphone Users and Texting Distractions.*
- Kraemer, K. (2020). *How Does Self-Efficacy Affect Source Memory Within a Reality Monitoring Task?*
- Enam, T. (2020). *Effects of Context and Age on Feeling of Knowing (FOK) Judgments.*

Doctoral Dissertations, The University of Alabama, Committee Member

- Zheng, P. (2022). *The Dose-Response Effect of Short-Term Exercise on Cognitive Function.*
- Condon, S. (2022). *Gratitude And Well-Being in Older Adults with Chronic Pain: A Brief Gratitude Intervention Study.*
- Scicolone, M. (2022). *Quality And Meaning in Life Among Aging Parent Caregivers of Adults with Autism Spectrum Disorder: A Double ABCX Model Adaptation.*
- Choi, J. (2020). *The Role of Executive Functions on Ambivalence in Decision-Making.*
- Carden, K. (2020). *Death & Taxes: A Grounded Theory of Financial Stress, Coping, And Decision-Making Among Diverse Female-Identified Dementia Care Partners.*
- Robinson, A. (2020). *The Impact of Spatial Boundaries on Wayfinding and Landmark Memory: A Developmental Perspective.*
- Park, S. (2021). *Early Traumatic Events Can Moderate the Effect of Genetic Predisposition for Cognition on Cognitive Functioning Trajectories Among Older Adults.*

- Threadgill, H. (2019). *From Preparation to Assessment: Exploring the Neural Substrates of Approach-Motivated Goal Pursuit*.
- Newman, A. (2019). *An Intersectional Identity Approach to Chronic Pain Disparities Using Latent Class Analysis*.
- Condeelis, K. (2018). *Expanding On Rowe and Kahn's Model of Successful Aging Through an Examination of The Associations Between Affective Functioning, Global Sleep Quality, And Global Cognition Among Adults*.
- Ungvary, S. (2018). *Value Profiles of Emerging Adults*.
- deLacy, R. (2017). *Impulsivity and the Ability to Plan in Context: The Impact of Psychopathic Traits*
- Rommel, R. (2017). *Social And Affective Functioning in Incarcerated Male Adults with Psychopathic Traits*.
- Thibodeau, R. (2017). *Improving Executive Function Development: Fantasy-Oriented Pretend-Play as a Protective Factor*.
- Mechin, N. (2017). *Investigating The Relationship Between Alcohol Cue Reactivity and Approach Motivation*.

GRADUATE STUDENT SUPERVISION (UA)

Shayne Lin, PhD Expected 2024
Mikenzi Brasfield, PhD Expected 2024
Hannah Apostolou, MA 2023
Hillary Erwin, PhD 2023
Sarah Letang, PhD 2022
Jessica Mendoza, PhD 2021
Kyle Kraemer, PhD 2020
Tasnuva Enam, PhD 2020

EMERGING SCHOLARS PROGRAM MENTOR (UA)

Victoria King, 2018-2021
Cameryn Green, 2018-2020
Helen Urffer, 2018-2019
Julian Giakas, 2018-2018
Anelise Hutson, 2017-2020
A. Jordan Bolling, 2017-2021

RANDALL SCHOLARS/COMPUTER BASED HONORS PROGRAM MENTOR (UA)

Bryant Long, 2020-2021
Brandon Lucas, 2018-2019
Caroline Bloodworth, 2016-2017
Will Freeman, 2016-2017

PROFESSIONAL MEMBERSHIPS

American Psychological Association • Association for Psychological Science • Cognitive Neuroscience Society • Society for Neuroscience • Psychonomic Society

EDITORIAL BOARDS

Guest Editor, Aging and Mental Health, Special Issue: *Biological Markers of Aging and Mental Health*
 Associate Editor, Neurocognitive Aging and Behavior Section for Frontiers in Aging Neuroscience
 Guest Editor, Frontiers in Aging Neuroscience, Special Issue: *Insights in Neurocognitive Aging and Behavior*

AD-HOC REVIEWER

Journal Reviewing Details: <https://publons.com/researcher/195591/ian-m-mcdonough/peer-review/>

Reviewer for Grant Agencies

Alzheimer's Association: Research Fellowship Program • Alzheimer's Association: Research Grant • Medical Research Council: Research Grant • National Natural Science Foundation of China • Research Grants Council (RGC) Joint Research Scheme • NSF Career Grant • NIH Special Section

Reviewer for Textbook Publishers

Principles of Psychology, 2nd ed. Sinauer Associates Publishers. (S. Marc Breedlove)
 Psychology. Sage Publishing (James S. Nairne & Dawn M. McBride)

PROFESSIONAL ACTIVITIES

Resource Centers for Minority Aging Research - RCMAR Analysis Core	2023
Resource Centers for Minority Aging Research - RCMAR Steering Committee	2023
Psychonomic Society Task Force on Racism, Committee Member	2020-2023
APA Division 20 Mentor	2020+
Fellow, Psychonomic Society	2018+
MIND Center State Plan Research Group	2018-2019
Alabama Advanced Imaging Consortium Steering Committee	2018-2023
Guest Editor, Special Issues in <i>Aging and Mental Health</i>	2017-2018
NIH Health Disparities Research Training Program	2016-2017
Neurohackweek, Seattle, WA, Attendee	2016
Statistical Modeling Workshop, North Carolina State University, Attendee	2014
Neurometrika: SPM8 fMRI Workshop, Attendee	2010
APSSC Editorial, Writer	2010
Ad-hoc APSSC reviewer, Student Research Award	2010
Reviewer, Chicago Graduate Student Research Symposium	2010
Judge, Chicago Area Undergraduate Research Symposium	2009
Ad-hoc APSSC reviewer, RiSE-UP Research Award	2009
Ad-hoc APSSC reviewer, Student Research Award	2009
Member, APS RiSE-UP Aging Committee	2008-09

UNIVERSITY SERVICE

Center for Convergent Bioscience & Medicine, Affiliate	2021-2023
Alabama Research Institute on Aging, Executive Board Member	2022-2023
UA training to program in Matlab	2021
Faculty Search Committee for Autism in Psychology, Psychology Department	2021
Medical IRB, UA	2021-2023
Faculty Search Committee for Cognition in Psychology, Psychology Department	2019
UA training to use brain structure analysis program using Freesurfer	2019
3M Judge, UA	2017

Faculty Search Committee for Statistics in Psychology, Psychology Department	2017
Oral Presentation Judge, UCRA, UA	2017-2023
Faculty Search Committee, College of Educational Neuroscience Program	2016-2017
Creativity Committee, Psychology Department	2016-2023
Research Overhead Committee, Psychology Department	2016-2018
Training workshop to analyze brain structure at The University of Alabama	2016
CAFÉ at UA, Member	2015-2023
Alabama Research Institute on Aging, Associate	2015-2022
Outstanding Teaching Student Award Committee	2015
UA Publicity Committee, Psychology Department	2015-2023
UA Website Subcommittee, Psychology Department	2015-2023
UTD training to use brain structure analysis program using Freesurfer	2014
Organizing and overseeing longitudinal study initiation	2012-2015
Masters Student Supervisor, UT Dallas	2011-2014
UTD tutorial for stimulus presentation using Cogent	2011
Laboratory Research Advisor and Mentor for Masters Students	2010-11
Undergraduate Honor's Thesis Mentor	2010-11
Member, Psych Grad Student Org, Career Development Committee	2009-10
Fundraising, Memory Walk 2009 (Alzheimer's Association)	2009-10
Psych Grad Student Org, Graduate Student Mentor	2008-09
Chair, Psych Grad Student Org, Research and Travel Grant Committee	2008-09
Member, Psych Grad Student Org, Research and Travel Grant Comm.	2007-10
Mentor for McNair Scholar	2007
Cognitive Brown Bag Graduate Student Coordinator	2006-08
Supervise Undergraduate Research	2006+

TEACHING

Graduate Courses Taught, The University of Alabama, Department of Psychology

PY 629 Biological Bases of Behavior	2 sections
PY 655 Cognitive Neuroscience of Aging	1 section
PY 625 Contemporary Issues in Cognitive Psychology	3 sections
PY 655 Cognitive Neuroscience of Episodic Memory	1 section

Undergraduate Courses Taught, The University of Alabama, Department of Psychology

PY 381 Intro to Cognitive Neuroscience	3 sections
PY 479 Senior Psychology Honors Seminar	2 sections
PY 379 Junior Psychology Honors Seminar	3 sections
PY 101 Introduction to Psychology	5 sections
PY 491 Cognitive Neuroscience of Episodic Memory	4 sections

Undergraduate Courses Taught, University of Chicago, Department of Psychology

PSYC 20400-01 Cognitive Psychology	1 section
SOSC 14100-05 Mind	2 sections

Teaching Assistant, University of Chicago, Department of Psychology

Negotiations	Instructor: Boaz Keysar	1 sections
Research Methods	Instructor: Ece Demir; Stefanie Foraker	2 sections
Decision Making	Instructor: Boaz Keysar	1 section
Mind	Instructor: Cacioppo; Prendergast; Keysar	3 sections
Learning & Memory	Instructor: Howard Nusbaum	1 section

PEDAGOGY

Quality Circles Grant Training (David Bauer)	Spring 2018
Active Learning Initiative	Fall 2015
How Do Students Learn Workshop	Summer 2009
Integration of Teaching and Learning Conference	Spring 2009
Academic and Professional Writing	Fall 2008
Workshop on Teaching in the College	Fall 2008
Seminar on Course Design	Summer 2007

TECHNICAL AND SOFTWARE SKILLS

Statistics: SPSS, SAS, R

Programming: Matlab, R, Perl, PHP, HTML

Stimulus Presentation: Psyscope X, Cogent2000, Psychtoolbox, Collector

Neuroimaging: SPM5-12, Freesurfer, FSL, ART, PLS, VBM, SVM, REST, AFNI, TBSS

Neuroimaging modalities: sMRI, fMRI, DTI, PET