

Ian M. McDonough

505 Hackberry Ln, Gordon Palmer 410A, Tuscaloosa, AL 35487
immcdonough@ua.edu • 205-737-3442 • <http://immcdonough.people.ua.edu>

ACADEMIC POSITIONS

Adjunct Professor, Neurobiology, The University of Alabama, Birmingham (2018 – Present)
Assistant Professor, Psychology, The University of Alabama (2015 – Present)
Associate, Alabama Research Institute on Aging (2015 – Present)
Postdoctoral Researcher, Center for Vital Longevity, University of Texas at Dallas (2011 – 2015)
Advisor: Dr. Denise C. Park

EDUCATION

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

M.A., University of Chicago (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 (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

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
--	------

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

FUNDED GRANTS (totaling \$161,000)

- 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”, Principal Investigator, \$5,250, 1/01/2020 – 12/31/2020
- P30AG031054-11, RCMAR Pilot Grant, “Measuring the Impact of Stress on Brain Structure and Function in Middle-Aged African Americans”, Principal Investigator, \$25K, 2019, 10/01/19 – 06/30/20
- R03AG059188, National Institute of Health, “Longitudinal Biological Pathways Leading to Alzheimer's Disease Health Disparities in Blacks,” Principal Investigator, \$143K, 02/01/19 - 11/30/20
- UAB, “Consulting Agreement: Prospective Cognitive and Neuroimaging Study,” Principal Investigator, \$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,” Principal Investigator, \$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

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

PEER-REVIEWED ARTICLES: 43, GOOGLE H-INDEX: 18

- Lee, S., **McDonough, I. M.** Mendoza, J. S., Brasfield, M. B., Enam, T., Reynolds, C., & Pody, B. C. (Accepted). Cellphone Addiction Explains How Cellphones Impair Learning for Lecture Materials. *Applied Cognitive Psychology*.
- McDonough, I. M.**, Festini, S. B., & Wood, M. M. (Accepted). Risk for Alzheimer’s Disease: A Review of Long-term Episodic Memory Encoding and Retrieval fMRI Studies. *Ageing Research Reviews*.
- 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.
- 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.
- 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. *Ageing & Mental Health*, 24, 453-463.

- 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.
- 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.
- 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.
- Starns, J. J., Cataldo, A. M., Rotello, C. M. ... **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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- McDougall, G. J., **McDonough, I. M.**, & LaRocca, M. (2018). Memory training for adults with probable mild cognitive impairment: A pilot study. *Aging and Mental Health, 23*, 1433-1441.
- 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 and Mental Health, 23*, 872-879.
- 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.
- 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.
- 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.
- 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.
- Ramirez, G., **McDonough, I. M.**, Jin, L. (2017). Classroom stress promotes motivated forgetting of mathematics knowledge. *Journal of Educational Psychology, 109*, 812-825.
- McDonough, I. M.** (2017). Beta-amyloid and cortical thickness reveal racial disparities in preclinical Alzheimer's disease. *Neuroimage: Clinical, 16*, 659-667.
- 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.

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- McDonough, I. M.** & Gallo, D. A. (2013). Impaired retrieval monitoring for past and future autobiographical events in older adults. *Psychology & Aging, 28*, 457-466.
- 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*.
- 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.
- Park, D. C. & **McDonough, I. M.** (2013). The dynamic aging mind: Revelations from functional neuroimaging research. *Perspectives in Psychological Science, 8*, 62-67.
- 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.
- 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.
- 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.
- 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.
- 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.
- Richland, L. E., & **McDonough, I. M.** (2010). Learning by analogy: Discriminating between potential analogs. *Contemporary Educational Psychology, 35*, 28-43.
- 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.

BOOK CHAPTERS: 1

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.

NON-PEER REVIEWED PUBLICATIONS: 6

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.

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.

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.

McDonough, I. M. (2016). Use it or lose it: Redefining an old idea. *Today's Geriatric Medicine*, 9, 5-7.

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

McDonough, I. M. (2010). Reality monitoring in aging. Association for Psychological Science RiSE-UP online perspectives. <http://www.psychologicalscience.org/apssc/riseup/>

MANUSCRIPTS SUBMITTED: 4

McDonough, I. M., Byrd, D. R., Beatty Moody, D. L., Manning, M. A., Zahodne, L. B. Opposite Effects of Everyday Discrimination on Episodic Memory Level Versus Change Over 10 Years.

McDonough, I. M., Enam, T., Kraemer, K. R., Eakin, D. K., & Kim, M. Is There More to Metamemory? Analysis of Confidence Judgments Suggests At Least Two Constructs of Metamemory Monitoring.

McDonough, I. M., & Madan, C. R. Structural Complexity is Negatively Associated with Brain Activity: A Novel Multimodal Test of Compensation Theories of Aging.

MANUSCRIPTS IN PREPARATION: 10

Lin, S.-H. S., Erwin, H. B., Letang, S. K., Xia, M., **McDonough, I. M.** Explaining Cognitive Health Disparity in Older Rural Ethnoracial Minorities: The Impact of Education on Episodic Memory Performance Over 20 Years.

Allen, R. S., **McDonough, I. M.**, Carden, K. D., Choi, J., Parmelee, P. A., & Burgio, L. D. Predictors of financial bother among racially diverse dementia caregivers.

McDonough, I. M., Bender, A., Patihis, L., Stinson, E. A., Letang, S. K., & Miller, W. S. The trouble interpreting fMRI studies in populations with cerebrovascular risk: The use of a subject-specific hemodynamic response function in a study of age, vascular risk, and memory.

McDonough, I. M., Mayhugh, C., Moore, M. K., Brasfield, M. B., Letang, S. K., & Allen, R. S. Young adults with a parent with dementia show early abnormalities in brain activity and brain volume.

Enam, T., & **McDonough, I. M.** Integrating multiple cues in metamemory: Using the illusory effect of font size and level of processing to inform FOK judgments.

Kraemer, K. R., Gallo, D. A., Kim, M., & **McDonough, I. M.** Distinguishing real and imagined events in memory: Optimal feature combinations that people don't use during retrieval.

- McDonough, I. M.**, Garrett, S. L., Cody, S. L., Harrell, E., & Popp, T. E. The moderating effect of ethnoracial category, socioeconomic status, and sex on the association between an ability discrepancy and cognitive status across the Alzheimer's disease spectrum.
- Herrera, M., **McDonough, I. M.**, Patihis, L. The Effect of Current Appraisal of Success and Memory of Love towards Mothers. *Memory*.
- Choi, S. L., Choi, J., **McDonough, I. M.**, Jiang, Z. Aging alone and depression in later life: The mediating roles of perceived financial security and social support.
- Shah, A., Kraemer, K. R., Meadows, J., **McDonough, I. M.**, Won, C.-R., Black, S., Darling, M., & Anderson, K. A clinician's perspective on the use of attentional bias modification training for symptoms of anxiety and depression: A game example.

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.** (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.** (November, 2018). *Alabama Brain Study on Risk for Dementia: An Assessment of Cumulative Risk on the Brain*. 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. *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.** (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

- 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

- 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

- 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.** (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.

GRADUATE STUDENT SUPERVISION

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

PROFESSIONAL MEMBERSHIPS

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

AD-HOC REVIEWER: JOURNALS

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

Psychology Journals

Journal of Memory and Language (IF: 4.24) • *Learning & Memory* (IF: 4.38) • *Memory* (IF: 1.69) • *Quarterly Journal of Experimental Psychology* (IF: 2.13) • *Cognition* (IF: 3.63) • *Applied Cognitive Psychology* (IF: 1.32) • *PLOS One* (IF: 3.23) • *Acta Psychologica* (IF: 2.25) • *Advances in Cognitive Psychology* (IF: 1.65) • *Identity* • *Journal of Cognitive Psychology* (IF: 2.56)

Neuroscience/Medical Journals

Imaging and Behavior (IF: 4.60) • Frontiers in Neuroscience (IF: 3.66) • Journal of Visualized Experiments (IF: 1.33) • NeuroImage (IF: 6.36) • Neuropsychologia (IF: 3.30) • Cerebral Cortex (IF: 8.67) • Journal of Cognitive Neuroscience (IF: 5.36) • Cognitive, Affective, and Behavioral Neuroscience (IF: 3.29) • Brain and Cognition (IF: 2.82) • Psychosomatic Medicine (IF: 3.97) • Human Brain Mapping (IF: 5.97) • Brain Informatics • Psychophysiology (IF: 3.07) • Cortex (IF: 4.31) • Journal of Alzheimer's Disease (IF: 3.92)

Aging Journals

Experimental Aging Research (IF: 0.92) • Aging, Neuropsychology and Cognition (IF: 1.80) • Gerontology (IF: 3.06) • Journal of Gerontology: Psychological Sciences (IF: 3.23) • Neurobiology of Aging (5.01) • Gerontologist (IF: 3.17)

AD-HOC REVIEWER: 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

AD-HOC REVIEWER: TEXTBOOKS

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

PROFESSIONAL ACTIVITIES

APA Division 20 Mentor	2020+
Fellow, Psychonomic Society	2018+
MIND Center State Plan Research Group	2018+
Alabama Advanced Imaging Consortium Steering Committee	2018+
Guest Editor, Special Issues in Journal of Aging and Mental Health	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

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+
Faculty Search Committee, College of Educational Neuroscience Program	2016-2017
Creativity Committee, Psychology Department	2016+
Research Overhead Committee, Psychology Department	2016+
Training workshop to analyze brain structure at The University of Alabama	2016

CAFÉ at UA, Member	2015+
Alabama Research Institute on Aging, Associate	2015+
Outstanding Teaching Student Award Committee	2015
UA Publicity Committee, Psychology Department	2015+
UA Website Subcommittee, Psychology Department	2015+
UTD training to use brain structure analysis program using Freesurfer	2014
Organizing and overseeing longitudinal study initiation	2012+
Masters Student Supervisor, UT Dallas	2011+
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

Grad Lecturer, <i>Biological Bases of Behavior</i>	University of Alabama	2020+
Grad Lecturer, <i>Cognitive Neuroscience of Aging</i>	University of Alabama	2019+
Undergraduate Lecturer, <i>Intro to Cognitive Neuroscience</i>	University of Alabama	2019+
Undergraduate Lecturer, <i>Senior Psychology Honors Seminar</i>	University of Alabama	2019+
Undergraduate Lecturer, <i>Junior Psychology Honors Seminar</i>	University of Alabama	2018+
Grad Lecturer, <i>Contemporary Issues in Cognitive Psychology</i>	University of Alabama	2017+
Undergrad Lecturer, <i>Introduction to Psychology</i>	University of Alabama	2016+
Undergrad Lecturer, <i>Cognitive Neuroscience of Episodic Mem</i>	University of Alabama	2016+
Grad Lecturer, <i>Cognitive Neuroscience of Episodic Memory</i>	University of Alabama	2015
Guest Lecturer, <i>Philosophy of Medicine</i> , Tom Boyett	UT Dallas	2012
Lecturer, <i>Psychology Research Seminar</i>	H-F High School	2011
Lecturer, <i>Cognitive Psychology</i>	University of Chicago	2011
Lecturer, <i>Mind</i>	University of Chicago	2010
Assistant, <i>Negotiations</i> , Boaz Keysar	University of Chicago	2010
Assistant, <i>Research Methods</i> , Ece Demir	University of Chicago	2010
Lecturer, <i>Mind</i>	University of Chicago	2009
Guest Lecturer, <i>Learning & Memory</i> , Howard Nusbaum	University of Chicago	2009
Assistant, <i>Decision Making</i> , Boaz Keysar	University of Chicago	2009
Assistant, <i>Mind</i> , John Cacioppo	University of Chicago	2009
Assistant, <i>Mind</i> , Brian Prendergast	University of Chicago	2009
Assistant, <i>Learning & Memory</i> , Howard Nusbaum	University of Chicago	2009
Assistant, <i>Mind</i> , Boaz Keysar	University of Chicago	2008
Assistant, <i>Research Methods</i> , Stefanie Foraker	University of Chicago	2008

PEDAGOGY

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