

8/26/2021

AUDREY L DUARTE
CURRICULUM VITAE

DUARTE, AUDREY L.
Professor
Department of Psychology
University of Texas at Austin

I. EARNED DEGREES

Ph.D.	Molecular and Cell Biology University of California at Berkeley Advisor: Robert Knight, M.D.	2004
B.S.	Neurobiology, Physiology, & Behavior University of California at Davis	1999

II. EMPLOYMENT HISTORY

Professor, Psychology, UT Austin	2021-present
Associate Chair for Undergraduate Education, Psychology, Georgia Institute of Technology	2018-2021
Professor, Psychology, Georgia Institute of Technology	2020-2021
Associate Professor, Psychology, Georgia Institute of Technology	2014 -2020
Adjunct Professor, Biology, Georgia Institute of Technology	2008 -2021
Assistant Professor, Psychology, Georgia Institute of Technology	2008 -2014
Post-doctoral Research Fellow, MRC-Cognition and Brain Sciences Unit (mentors: Kim Graham & Rik Henson)	2006-2007
Post-doctoral Research Fellow, University of California at San Francisco (mentor: Michael Weiner)	2004-2005
Graduate Research Assistant, University of California at Berkeley (mentor: Robert Knight)	1999 -2004

III. HONORS AND AWARDS

Faces of Inclusive Excellence awardee, Georgia Tech, 2019
Nominated member of Faculty of 1000, Biological Psychology, 2019
Elected member Cognitive Neuroscience Society Diversity Council, 2018-
Emerging Leaders Program, Office of the Provost, Georgia Tech, 2017-2018
Adaptive Leadership Program, Scheller School of Business, Georgia Tech, 2017
Cullen Peck Scholar, 2015
Elected member of the Memory Disorders Research Society, 2013
President of Southeastern Workers in Memory, 2013-2014
Goizueta Foundation Early Career Rotating Professor, 2011-2014
Elected member of the International Society for Behavioral Neuroscience, 2009
Thank a Teacher Award recipient, every semester 2009-2014
Summer Institute in Cognitive Neuroscience fellow, 2001
McNair Scholar, U.C. Davis chapter, 1997 - 1999
Kaiser Permanente Health Foundation Scholarship, U.C. Davis, 1997 - 1998
Lillian D. Wells Scholarship, U.C. Davis, 1997 – 1998

AUDREY L DUARTE
CURRICULUM VITAE

IV. RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITIES

A. PUBLISHED BOOKS, BOOK CHAPTERS, AND EDITED VOLUMES

† mentored post-doctoral research fellow at Georgia Tech

* mentored graduate student at Georgia Tech.

‡ mentored undergraduate student at Georgia Tech

BOLD text indicates student

A1. Books

The Wiley Handbook on the Cognitive Neuroscience of Memory, (2015)

Editors: Duarte A., Addis D.R., Barense M.D. Wiley-Blackwell Press.

ISBN: 978-1-118-33259-7

A2. Refereed Book Chapters

Duarte, A., & **Dulas, M. R.** *The relationship between cognitive control and episodic memory across the adult lifespan.* In Gutchess, A and Thomas, A. (Eds.) Handbook of Cognitive Aging: A Life Course Perspective. Cambridge University Press, 2020

Duarte, A., & Kensinger, E. A. *Age-related Changes in Episodic Memory.* In Samanez-Larkin, G. R. (Ed.), The Aging Brain: APA Books, 2019.

A3. Edited Volumes

The Cognitive Neuroscience of Aging and Memory, (2015).

Editors: Duarte, A and Rajah, M.N.

Brain Research

Volume 1612, Pages 1-152

B. REFEREED PUBLICATIONS AND SUBMITTED ARTICLES

Student trainees names in Boldface

B1. Published and Accepted Journal Articles

Justus S., Powell P.S., Duarte A. Intact selective attention supports context memory in adults with autism spectrum disorder. *Scientific Reports*, in press.

Hokett E., Arunmozhi A., Campbell J., Verhaeghen P., Duarte A. A systematic review and meta-analysis of individual differences in naturalistic sleep quality and episodic memory performance in young and older adults. *Neuroscience and Biobehavioral Reviews*, 127, (2021).

***Mirjalili S.**, †Powell P., ***Strunk J.**, ***James T.**, Duarte A. Context memory encoding and retrieval temporal dynamics are modulated by attention across the adult lifespan, *Eneuro*, 8(1), (2021).

***Pehlivanoglu D.**, Duarte A., Verhaeghen P. Multiple identity tracking strategies vary by age: an ERP study. *Neuropsychologia*, 138(17), (2020).

AUDREY L DUARTE
CURRICULUM VITAE

Dotson, V & Duarte, A. *The importance of diversity in cognitive neuroscience*. In Kingstone, A. and Miller, M. (Eds). The Year in Cognitive Neuroscience. The New York Academy of Sciences, 1464, (2020)

***Corbett B., Duarte A.** How proactive interference during new associative learning impacts general and specific memory in young and old. *Journal of Cognitive Neuroscience*, 32:9, 1607-1623, (2020).

***Corbett B., Rajah M.N., Duarte A.** Preparing for the worst: Evidence that older adults proactively downregulate negative affect. *Cerebral Cortex*, 30(3),1291-1306, (2020).

***Mahmood M., Mzurikwao D., Kim Y., Lee Y., Mishra S., Herbert R., Duarte A., Ang C.S., Yeo W.** Fully portable and wireless universal brain-machine interfaces enabled by flexible scalp electronics and deep learning algorithm. *Nature Machine Intelligence*, 1, 412-422, (2019).

Ryan L., Hay M., Huentelman M.J., Duarte A., Rundek T., Levin B., Soldan A., Pettigrew C., Mehl M.M., Barnes C. Precision Aging: Applying precision medicine to the field of cognitive aging. *Frontiers in Aging Neuroscience*, 7, (2019).

***Hokett E. and Duarte A.** Age and race-related differences in sleep discontinuity linked to associative memory performance and its neural underpinnings. *Frontiers in Aging Neuroscience*, June 4 (2019).

Cabeza R., Albert M., Belleville S., Craik F., Duarte A., Grady C., Lindenberger U., Nyber L., Park D., Reuter-Lorenz P., Rugg M., Steffener J., Rajah M.N. Reply to 'Mechanisms underlying resilience in ageing.' *Nature Reviews Neuroscience*, 19 (11), 701-710, (2019).

***Strunk J., Morgan L., Reaves S., Verhaeghen P., Duarte A.** Retrospective attention in short-term memory has a lasting effect on long-term memory across age. *Journal of Gerontology: Psychological Sciences*, 74(8), 1317-1325, (2019).

***James T., Rajah M.N., Duarte A.** Multi-element episodic encoding in young and older adults. *Journal of Cognitive Neuroscience*, 31(6), 837-854, (2019).

***Strunk J., Duarte A.** Pre-stimulus oscillatory activity predicts successful episodic encoding for both young and older adults. *Neurobiology of Aging*, 77, 1-12, (2019).

Cabeza R., Albert M., Belleville S., Craik F., Duarte A., Grady C., Lindenberger U., Nyber L., Park D., Reuter-Lorenz P., Rugg M., Steffener J., Rajah M.N. Maintenance, reserve, and compensation: the cognitive neuroscience of healthy ageing. *Nature Reviews Neuroscience*, 19 (11), 701-710, (2018).

†Powell P.S., ***Strunk J., James T., Polyn S., Duarte A.** Decoding selective attention to context memory: An aging study. *Neuroimage*, 181, 95-107, (2018).

***Corbett B., Weinberg L., Duarte A.** The effect of mild acute stress during memory consolidation on emotional recognition memory. *Neurobiology of Learning and Memory*, 145:34-44, (2017).

8/26/2021

AUDREY L DUARTE
CURRICULUM VITAE

Wong, S., Irish, M., †Leshikar, E. D., Duarte, A., Bertoux, M., Savage, G., Hodges, J. R., Piguet, O., & Hornberger. The self-reference effect in dementia: Differential involvement of cortical midline structures in Alzheimer's disease and behavioural-variant frontotemporal dementia. *Cortex*, 91, 169-185, (2017).

***Strunk J., *James T,** Arndt J, Duarte A. Age-related changes in neural oscillations supporting context memory retrieval. *Cortex*, 91:40-55, (2017).

***Reaves S., Graham B.,** Grahn J., †**Rabbanifard P.,** Duarte A. Turn Off the Music! Music Impairs Visual Associative Memory Performance in Older Adults. *The Gerontologist*, 56(3):569-77, (2016).

***Dulas MR,** Duarte A. Age-related changes in overcoming proactive interference in associative memory: The role of PFC-mediated executive control processes at retrieval. *Neuroimage*, 132:116-28, (2016).

†Gilchrist AL., Duarte A., Verhaeghen P. Retrospective cues based on object features improve visual working memory performance in older adults. *Aging, Neuropsychology, and Cognition*, 23(2):184-95, (2016).

***James T., *Strunk J.,** Arndt J., Duarte A. Age-related deficits in selective attention during encoding increase demands on episodic reconstruction during context retrieval: An ERP study. *Neuropsychologia*, 86:66-79, (2016).

***Reaves S., *Strunk J., Phillips S.,** Verhaeghen P., Duarte A. The lasting memory enhancements of retrospective attention. *Brain Research*, 1642:226-37, (2016).

***Newsome R.N.,** Pun C., Duarte A., Ferber S., Barense M.D. A retroactive spatial cue improves VSTM capacity in mild cognitive impairment and medial temporal lobe amnesia but not in healthy older adults. *Neuropsychologia*, 77:148-57, (2015).

†Leshikar E.D., *Dulas M.R., Duarte A. Self-referencing enhances recollection in both young and older adults. *Aging, Neuropsychology, and Cognition*, 22:388-412, (2015).

***Weinberg L., †Hasni A.,** Shinohara M., Duarte A. A single bout of resistance exercise can enhance episodic memory performance. *Acta Psychologica*, 153:13-9, (2014).

***Dulas M.R.** and Duarte A. Aging affects the interaction between attentional control and source memory: an fMRI study. *Journal of Cognitive Neuroscience*, 26(12):2653-69, (2014).

†Leshikar E.D. and Duarte A. Medial prefrontal cortex supports source memory for self-referenced materials in young and older adults. *Cognitive, Affective, and Behavioral Neuroscience*, 14(1):236-52. (2014)

Duarte A., †**Hearons P., †Jiang Y., †Delvin M.C., †Newsome R.N.,** Verhaeghen P. Retrospective attention enhances visual working memory in the young but not the old: an ERP Study. *Psychophysiology*, 50(5):465-76, (2013).

AUDREY L DUARTE
CURRICULUM VITAE

***Dulas M.R.** and Duarte A. The effect of explicitly directing attention toward item-feature relationships on source memory in the young and old: an ERP study. *Brain Research*, 1500:55-71, (2013).

***Newsome R.N.**, Duarte A., Barense M.D. Reducing perceptual interference improves visual discrimination in mild cognitive impairment: Implications for a Model of Perirhinal Cortex Function. *Hippocampus*, 22(10): 1990-9, (2012).

‡**Newsome R.N.**, **Dulas M.R.**, Duarte A. The effects of aging on emotion-induced modulations of source retrieval ERPs: Evidence for valence biases. *Neuropsychologia*, 50: 3370-3384, (2012).

†Leshikar E.D., Duarte A., Hertzog C. Task-selective memory effects for successfully implemented encoding strategies. *PLoS One*, 7(5) e38160, (2012).

†Leshikar E.D., and Duarte A. Medial prefrontal cortex supports source memory accuracy for self-referenced items. *Social Neuroscience*, 7(2):126-45, (2011).

***Dulas M.R.** and Duarte A. The effects of aging on material-independent and material-dependent neural correlates of contextual binding. *NeuroImage*. 57:1192-1204, (2011).

***Dulas M.R.** and Duarte A. The effects of aging on material-independent and material-dependent neural correlates of source memory retrieval. *Cerebral Cortex*, 22(1):37-50, (2011).

***Dulas M.R.**, **Newsome R.N.**, Duarte A. The effects of aging on ERP correlates of source memory retrieval for self-referential information. *Brain Research*, 1377:84-100, (2011).

Duarte A., Henson R.N.A., Graham K.S. The effect of stimulus content on the neural correlates of source recollection. *Brain Research*, 1373:110-23, (2011).

Duarte A., Knight R.T., Henson R.N.A., Graham K.S. The orbito-frontal cortex is necessary for temporal context memory. *Journal of Cognitive Neuroscience*, 22(8):1819-31, (2010).

Duarte A., Henson R.N.A., Graham K.S. Neural components of true and false memory in young and older adults. *Neurobiology of Aging*, 31(10):1814-1830, (2010).

Chao L.C., Pa J., Duarte A., Schuff, N., Weiner M.W., Kramer J.H., Miller B.L., Freeman K.M., Johnson J. Patterns of cerebral hypoperfusion in amnesic and dysexecutive MCI. *Alzheimer's Disease and Associated Disorders*, 23(3):245-52, (2009).

Duarte A., Henson R.N., Graham K.S. The effects of aging on the neural correlates of subjective and objective recollection. *Cerebral Cortex*, 18(9): 2169-80, (2008).

Duarte A., Schuff N., Kramer J., Miller B., Weiner M. Volumetric correlates of memory and executive function in normal elderly, mild cognitive impairment and Alzheimer's disease. *Neuroscience Letters*, 406: 60-65, (2006).

8/26/2021

AUDREY L DUARTE
CURRICULUM VITAE

Hayasaka S., Du A., Duarte A., Kornak J., Jahng G., Weiner M., Schuff N. A Non-parametric approach for co-analysis of multi-modality brain imaging data and its application to Alzheimer's disease. *NeuroImage* 30(3):768-779, (2006).

Duarte A., Ranganath C., Trujillo C., Knight R.T. Intact recollection memory in high-performing elderly adults: ERP and behavioral evidence. *Journal of Cognitive Neuroscience* 18(1):33-47, (2006).

Duarte A., Ranganath C., Knight R.T. Effects of unilateral prefrontal lesions on familiarity, recollection, and source memory. *Journal of Neuroscience* 25(36):8333-8337, (2005).

Yago E., Duarte A., Wong T., Barcelo F., Knight R.T. Temporal kinetics of prefrontal modulation of the extrastriate cortex during visual attention. *Cognitive Affective & Behavioral Neuroscience* 4(4):609-617, (2004).

Duarte A., Ranganath C., Winward L., Hayward D., Knight R.T. Dissociable neural correlates for familiarity and recollection during the encoding and retrieval of pictures. *Cognitive Brain Research* 18(3):255-272, (2004).

B2. Submitted Journal Articles

*Hokett, E., *Strunk J., Mirjalili, S., Duarte A. Greater Sleep Variance Related to Decrements in Memory Performance and Event-Specific Neural Similarity: A Racially/Ethnically Diverse Lifespan Sample.

Justus, S., Duarte A. Intact context memory performance in adults with autism spectrum disorder

*Mirjalili, S., Duarte A. Evaluation of classification approaches for distinguishing brain states predictive of episodic memory performance from electroencephalography.

*James, T., Hopton Z., Weise-Cowie, S., Dotson, V.M., Verhaeghen, P., Duarte A Depression and Episodic Memory Across the Adult Lifespan: A Meta-Analysis.

*Lee, K., *Mirjalili, S., *Corbett, B., Duarte, A. Neural reinstatement of overlapping memories in young and older adults.

B3. Other refereed materials

Duarte A: F1000Prime Recommendation of [Fine L et al., *Neuropsychol Dev Cogn B Aging Neuropsychol Cogn* 2019 26(4):621-636]. In F1000Prime, 22 Nov 2019; 10.3410/f.733893345.793567479

Duarte A: F1000Prime Recommendation of [Liu X et al., *Aging Ment Health* 2019 :1-8]. In F1000Prime, 09 Aug 2019; 10.3410/f.735562435.793563528

Duarte A: F1000Prime Recommendation of [Hu L et al., *J Affect Disord* 2019 246:800-805]. In F1000Prime, 14 May 2019; 10.3410/f.734845402.793560184

C. PRESENTATIONS

Invited

8/26/2021

AUDREY L DUARTE
CURRICULUM VITAE

- Duarte A. (November, 2021). *Psychosocial factors that mitigate age and race/ethnicity-related disparities in sleep quality*. Culture and Cognition Preconference of the Psychonomic Society. New Orleans.
- Duarte A. (November, 2021). *Racial/ethnic disparities in sleep quality impact neural activity patterns supporting episodic memory performance*. Psychonomics Conference, New Orleans
- Duarte A. (October, 2021). *How culture shapes memory*. Memory Disorders Research Society meeting (virtual).
- Duarte A. (April, 2021). Diversity in cognitive neuroscience research: *Why it matters and what the lack of it means for the field*. Connecticut College.
- Duarte A. (January, 2021). *Individual difference contributions to episodic memory across the adult lifespan*. University of California, Riverside.
- Duarte A. (October, 2020). *Individual difference contributions to episodic memory across the adult lifespan*. Rotman Research Institute. Toronto, Canada.
- Duarte A. (April, 2020). *Using pattern analysis to track interference in episodic memory across the adult lifespan*. Cognitive Aging Conference. Atlanta, Georgia.
- Duarte, A. (March, 2020). *Understanding individual differences in episodic memory changes across the adult lifespan*. UT Austin.
- Duarte A. (November, 2019). *How race influences associations between sleep and memory-supporting brain activity*. Culture and Cognition Preconference of the Psychonomic Society. Montreal, Canada.
- Duarte A. (November, 2019). *How sleep and exercise affect the brain and memory in aging*. Brain Health Forum, Goizueta Alzheimer's Disease Research Center. Atlanta, Georgia.
- Duarte A. (October, 2019). *How sleep and exercise affect the brain and memory in aging*. Leading Age Conference. Atlanta, Georgia.
- Duarte A. (September, 2019). *Using pattern analysis approaches to elucidate neural mechanisms of age-related memory decline*. Memory Disorders Research Society 32nd annual meeting. New York, New York.
- Duarte, A. (September, 2019). *How to assess diversity in cognitive neuroscience research*. McGill University. Montreal, Quebec.
- Duarte, A. (August, 2019). *Moderators and mediators of episodic memory changes across the adult lifespan*. Department of Pharmaceutical Sciences, Mercer University, Atlanta, Georgia.
- Duarte, A. (May, 2019). *Individual differences in episodic memory across the adult lifespan*. Department of Psychology, University of Georgia. Athens, Georgia.
- Duarte, A. (May, 2019). *What can we do to alleviate memory impairments in older adults?* Frontiers in Aging and Regeneration Research Advanced Training Course. Morehouse College, Atlanta, Georgia.
- Duarte, A. (May, 2019). *How measuring the sleeping brain at home can help us understand aging and Alzheimer's disease*. Neuroscience in the Wild workshop, Center for Mind, Brain, and Culture, Emory University. Atlanta, Georgia.

8/26/2021

AUDREY L DUARTE
CURRICULUM VITAE

- Duarte, A. (February, 2019). *The multifaceted nature of age-related episodic memory impairments*. Medical College of Georgia. Augusta, Georgia.
- Duarte, A. (February, 2019). *Episodic memory decline across the adult lifespan*. Emory University. Atlanta, Georgia.
- Duarte, A. (December, 2018). *The complex nature of episodic memory decline across the adult lifespan*. Arizona State University. Tempe, Arizona.
- Duarte, A. (November, 2018). *Improving sleep may be the key to improving memory as we age*. Agnes Scott University. Atlanta, Georgia.
- Duarte, A. (May, 2018). *The multifaceted nature of age-related episodic memory impairments*. University of Arizona. Tucson, Arizona.
- Duarte, A. (May, 2018). *What can we do to alleviate memory impairments in older adults?* Frontiers in Aging and Regeneration Research Advanced Training Course. Xavier University, New Orleans, Louisiana.
- Duarte, A. (September, 2017). *Decoding selective attention during context memory encoding*. Memory Disorders Research Society 30th annual meeting. Chicago, Illinois.
- Duarte, A. (May, 2017). *Revisiting the concept of successful aging in the context of neuroimaging*. Towards consensus definitions of key terms in the cognitive neuroscience of aging and dementia. Montreal, Canada.
- Duarte A. (April, 2017). *Cognitive control contributions to associative memory failures in aging*. Department of Psychology, University of Manchester, Manchester, UK.
- Duarte A. (February, 2017). *Aging and episodic memory across the lifespan*. College of Computing, Georgia Tech, Atlanta, Georgia.
- Duarte A. (January, 2017). *What can neuroimaging tell us about age-related memory changes?* Philadelphia College of Medicine, Suwanee, Georgia.
- Duarte A. (January, 2017). *What can neuroimaging tell us about age-related memory changes?* GT Neuro Seminar Series, Georgia Tech, Atlanta, Georgia.
- Duarte A. (October, 2016). *Cognitive control contributions to associative memory failures in aging*. Center for Visualization and Rehabilitation, VA Medical Center, Atlanta, Georgia.
- Duarte A. (February, 2016). *Cognitive control contributions to associative memory failures in aging*. EXPLORE, Georgia Tech, Atlanta, Georgia.
- Duarte A. (July, 2016). *Aging affects how cognitive control resolves proactive interference in associative memory retrieval*. International Conference on Memory, Budapest, Hungary.
- Duarte A. (July, 2016). *Disentangling cognitive control contributions to age-related associative memory impairments*. International Society for Behavioral Neuroscience, Dubrovnik, Croatia.
- Duarte A. (April, 2015). *The role of attention in age-related associative memory impairments*. Center for Vital Longevity, University of Texas at Dallas.
- Duarte A. (March, 2015). *Memory formation and deterioration with aging*. Atlanta Science Festival, Fernbank Museum, Atlanta.
- Duarte A. (February, 2015). *Just how different are the brains and memories of young and older adults?* Georgia Tech Silver Jackets, Georgia Tech.

8/26/2021

AUDREY L DUARTE
CURRICULUM VITAE

- Duarte A. (February, 2015). *Simple ways to improve your memory*. Health and Wellness Seminar, East Cobb Senior Center.
- Duarte A. (December, 2014). *The role of attention in age-related associative memory impairments: insights from EEG and fMRI*. Department of Psychology, University of Florida.
- Duarte A. (November, 2014). *Beefcake your brain. Pump up your memory*. College of Sciences Presidential Cabinet Research Symposium.
- Duarte A. (October, 2014). *Why do we have trouble turning down the noise as we age? And why does this affect our memories?* Georgia Tech Homecoming Weekend.
- Duarte A. (March, 2014). *How does aging influence controlled encoding and retrieval?* Rotman Research Conference, University of Toronto.
- Duarte A. (February, 2014). *Interactions between short and long-term memory in the young and old*. School of Psychology, University of Arkansas.
- Duarte A. (December, 2013). *Memory reactivation for target and competing memories: predictions for aging*. Children's Hospital of Atlanta, Emory University.
- Duarte A. (July, 2013). *What can neuroimaging contribute to our understanding of age-related memory changes?* Biology and Disorders of Learning and Memory course. Cold Spring Harbor Laboratory, Cold Spring Harbor, New York.
- Duarte A. (June, 2013). *Interactions between attention and memory in the young and the old*. School of Psychology, U.C. Davis.
- Duarte A. (April, 2013). *What can we do to alleviate memory impairments in older adults?* College of Science Advisory Board annual meeting, Georgia Tech.
- Duarte A. (March, 2013). *Attentional control of short and long-term memory in the young and old*. Southeastern Workers in Memory (SWIM) conference held at Southeastern Psychological Association conference.
- Duarte A. (March, 2013). *How does aging influence the prospective and retrospective attentional control of memory?* Center for Aging, Tulane University.
- Duarte A. (November, 2012). *The influence of attention on short and long-term memory systems in the young and old*. Department of Psychology, Washington University.
- Duarte A. (November, 2012). *The influence of attention on short and long-term memory systems in the young and old*. Department of Psychology, Brandeis University.
- Duarte A. (June, 2012). *What can we do about age-related memory impairments? A neuroscience approach*. Target Meeting World Neuroscience Online Conference.
- Duarte A. (April, 2012). *What can neuroscience contribute to our understanding of cognitive aging?* Overview talk for Cognitive Neuroscience Methods symposium presented at presented at 15th annual Cognitive Aging Conference.
- Duarte A. (2012, January). *Episodic memory, aging and the human brain*. School of Biology, Georgia State University.
- Duarte A. (2011, November). *What can we do about age-related impairments in associative memory?* School of Psychology, University of Western Ontario, London Ontario, Canada.

8/26/2021

AUDREY L DUARTE
CURRICULUM VITAE

- Duarte A. (2011, November). *Episodic memory, aging and the human brain* guest lecture given for Introductory Neuroscience, BMED 4752 at Georgia Tech.
- Duarte A. (2011, September). Brain Connections: Advances in Neuroscience -- Blended Research @ the Library series
- Duarte A. (2011, May). *What neural mechanisms support the benefit of explicit item-context binding to source memory performance in older adults?* American Psychological Society annual conference, Washington, D.C.
- Duarte A. (2010, December). *Aging and the neural systems supporting associative memory*. The Aging and Alzheimer Research Axis of the Douglas Mental Health University Institute, Montreal, Canada.
- Duarte A. (2010, March). *Aging and the neural systems supporting recollection*. Department of Psychology, University of Toronto.
- Duarte A. (2010, January). *Age-related changes in stimulus-independent and stimulus-dependent brain activity underlie item and source memory impairments in older adults*. Aging and Cognition Conference, University of Texas at Dallas.
- Duarte A. (2009, December). *Aging and the neural systems supporting episodic memory*. Helen Wills Neuroscience Institute, University of California at Berkeley.
- Duarte A. (2009, November). *Aging, recollection and familiarity*. Biomedical and Health Sciences Institute, University of Georgia.
- Duarte A. (2009, May). *Domain general and domain specific recollection: MTL and beyond*. Annual meeting for the International Society for Behavioral Neuroscience.
- Duarte A. (2008, October). *Recollection, familiarity and aging: cognitive and neural variability*. Yerkes Primate Center, Emory University.
- Duarte A. (2008, April). *Recollection, familiarity and aging: cognitive and neural variability*. School of Biology, Georgia Tech.
- Duarte A. (2007, January). *A multidisciplinary approach to characterizing human memory in older adults*. School of Psychology, Georgia Tech.
- Duarte A. (2007, March). *A multidisciplinary approach to characterizing human memory in older adults*. Center for Neurobiology of Learning and Memory, University of California at Irvine.
- Duarte A. (2007, March). *A multidisciplinary approach to characterizing human memory in older adults*. Department of Psychology, Cardiff University
- Duarte A. (2006, April). *Dissociations between recollection and familiarity based recognition: evidence from ERPs, aging and prefrontal lesions*. Medical Research Council – Cognition and Brain Sciences Unit
- Duarte A. (2005, December). *Dissociations between recollection and familiarity based recognition: evidence from ERPs, aging and prefrontal lesions*. OMNI meeting, Helen Wills Neuroscience Institute, University of California at Berkeley
- Duarte A. (2005, April). *Frontal Perfusion Correlates with Episodic Memory Deficits in MCI*. Center for Imaging of Neurodegenerative Diseases, San Francisco Veterans Affairs Medical Center

8/26/2021

AUDREY L DUARTE
CURRICULUM VITAE

Duarte A. (2005, March). *Frontal Perfusion Correlates with Episodic Memory Deficits in MCI*. Annual Research Symposium, Department of Radiology, University of California at San Francisco.
Duarte A. (2004, July). Edge Conference, University of California at Berkeley

Submitted

- ***James T.**, Duarte A. (April, 2019). *Multi-element episodic encoding in young and older adults*. Talk presented at the 1st annual Smokies Cognition and Neuroscience Conference. Asheville, North Carolina.
- ‡**Black N.**, Powell P.S., Duarte A. (April, 2019). *Selective Attention and Context Memory in Adults with ASD*. Talk presented at the 4th annual North Georgia Regional Annual Memory Meeting. Stone Mountain, Georgia.
- ***James T.**, Duarte A. (April, 2019). *Multi-element episodic encoding in young and older adults*. Talk presented at the 4th annual North Georgia Regional Annual Memory Meeting. Stone Mountain, Georgia.
- ***Hokett E.**, Duarte A. (November, 2019). *Sleep, and, and race linked to neural pattern similarity of associative memory*. Poster presented at 49th annual meeting of the Society for Neuroscience.
- Powell P.S., ***Strunk J.**, ***James T.**, Polyn S.M., and Duarte A. (November, 2018). *Decoding context memory representations during retrieval across the adult lifespan*. Poster presented at 48th annual meeting of the Society for Neuroscience.
- ***James T.**, Rajah M.N., and Duarte A. (November, 2018). *Aging affects integration of multiple episodic details*. Poster presented at 48th annual meeting of the Society for Neuroscience.
- ***Corbett B.**, Polyn S.M., Dulas M.R., and Duarte A. (November, 2018). *Spontaneous resolution of competing memories is impaired with age*. Poster presented at 48th annual meeting of the Society for Neuroscience.
- ***Corbett B.**, Polyn S.M., and Duarte A. (May, 2018). *Age-related changes in resolving proactive interference in associative memory*. Poster presented at the 18th Cognitive Aging Conference.
- ***James T.** and Duarte A. (May, 2018). *Relational integration and associative memory deficits in older adults*. Poster presented at the 18th Cognitive Aging Conference.
- Powell P. and Duarte A. (May, 2018). *Context memory performance in adults with ASD: evidence of pre-mature aging*. Poster presented at the 18th Cognitive Aging Conference.
- ***Hokett E.** and Duarte A. (May, 2018). *The influence of habitual sleep patterns on memory performance*. Poster presented at the Cognitive Aging Conference.
- Powell P., ***Strunk J.**, ***James T.**, Polyn S., and Duarte A. (November, 2017). *Decoding selective attention during context memory encoding: An aging study*. Talk presented at 47th annual meeting of the Society for Neuroscience.
- ***Corbett B.** and Duarte A. (November, 2017). *Age-related changes in resolving proactive interference in associative memory*. Poster presented at 47th annual meeting of the Society for Neuroscience.
- ***Strunk J.** and Duarte A. (March, 2017). *Neural correlates of preparation during context memory encoding in young and older adults*. Poster presented at the 24th annual meeting for the Cognitive Neuroscience Society.

AUDREY L DUARTE
CURRICULUM VITAE

- ***James T.** and Duarte A. (March, 2017). *How do relational integration deficits contribute to older adults' associative memory impairments?* Poster presented at the 24th annual meeting for the Cognitive Neuroscience Society.
- ***Corbett J.**, ***Weinberg L.**, and Duarte A. (March, 2017). *The effect of emotional expectation on episodic encoding in young and older adults.* Poster presented at the 24th annual meeting for the Cognitive Neuroscience Society.
- ***Strunk J.** and Duarte A. (April, 2016). *In what way does preparatory cueing support source memory encoding?* Poster presented at the 23rd annual meeting for the Cognitive Neuroscience Society.
- ‡**Morgan L.**, ***Strunk J.**, ***Reaves S.**, Verhaeghen P., Duarte A. (April, 2016). *Aging reduces the benefit of spatial retrocueing on VSTM for complex objects.* Poster presented at the 23rd annual meeting for the Cognitive Neuroscience Society.
- ***Corbett B.**, ***Weinberg L.**, Duarte A. (April, 2016). *The effect of unexpected negative events on encoding.* Poster presented at the 23rd annual meeting for the Cognitive Neuroscience Society.
- ***James T.**, ***Strunk J.**, Arndt J., Duarte A. (April, 2016). *The effects of selective attention on source memory retrieval in the young and old.* Poster presented at the 23rd annual meeting for the Cognitive Neuroscience Society.
- ***Strunk J.** and Duarte A. (April, 2016). *Pre and Post stimulus Subsequent Memory Effects in the Young and Old: A Time Frequency Analysis.* Poster presented at the 17th annual meeting for the Cognitive Neuroscience Society.
- ‡**Morgan L.**, ***Strunk J.**, ***Reaves S.**, Verhaeghen P., Duarte A. (April, 2016). *Spatial retrocueing benefits on VSTM diminishes with aging.* Poster presented at the 17th annual meeting for the Cognitive Neuroscience Society.
- ***Corbett B.**, ***Weinberg L.**, Duarte A. (April, 2016). *The effect of expectation on negative and neutral events on memory in younger and older adults.* Poster presented at the 17th annual meeting for the Cognitive Neuroscience Society.
- ‡**Hassan Z.**, Gilchrist A., Verhaeghen P., Duarte A. (April, 2016). *Retrospective Attention Enhances Visual Working Memory Performance in the Young and Old.* Poster presented at the 17th annual meeting for the Cognitive Neuroscience Society.
- ***Weinberg L.**, and Duarte A. (April, 2015). *How acute stress during consolidation affects memory for negative materials with different arousal levels.* Poster presented at the 22nd annual meeting for the Cognitive Neuroscience Society.
- ***Reaves S.**, and Duarte A. (April, 2015). *Visual representations across memory systems and aging.* Poster presented at the 22nd annual meeting for the Cognitive Neuroscience Society.
- ***Reaves S.**, ***Strunk J.**, Verhaeghen P., and Duarte A. (September, 2014). *Visual representations across memory systems.* Poster presented at the 54th annual meeting for the Society for Psychophysiological Research.
- ***Strunk J.** and Duarte A. (September, 2014). *Influence of proactive control on subsequent memory performance.* Poster presented at the 54th annual meeting for the Society for Psychophysiological Research.
- ***Strunk J.**, ‡**James T.**, and Duarte A. (September, 2014). *The effects of selective attention on source memory retrieval in the young and old.* Poster presented at the 54th annual meeting for the Society for Psychophysiological Research.

8/26/2021

AUDREY L DUARTE
CURRICULUM VITAE

- *Reaves S., *Graham B.,** Grahn J., †Rabbanifard P., Duarte A. (April, 2014). *Turn off the music! Music impairs visual associative memory performance in older adults.* Poster presented at the 16th annual Cognitive Aging Conference.
- *Dulas M.R.** and Duarte A. (April, 2014). *Age-related changes in overcoming proactive interference in associative memory: the role of VLPFC-mediated post-retrieval selection.* Poster presented at the 16th annual Cognitive Aging Conference.
- *Strunk J.** and Duarte A. (April, 2014). *Age-related shifts in cognitive control strategy underlie episodic memory deficits.* Poster presented at the 16th annual Cognitive Aging Conference.
- *Weinberg, L., †Hasni A.,** Shinohara M., and Duarte A. (April, 2014). *A single bout of resistance exercise can enhance episodic memory performance.* Poster presented at the 21st annual meeting of the Cognitive Neuroscience Society.
- *Dulas M.R.** and Duarte A. (April, 2014). *Post-retrieval selection modulates processing of retrieved associations to overcome interference in memory.* Poster presented at the 21st annual meeting of the Cognitive Neuroscience Society.
- *Dulas M.R.** and Duarte A. (November, 2013). *Aging affects the interaction between attentional control and source memory: an fMRI study.* Poster presented at the 43rd annual meeting of the Society for Neuroscience.
- *Reaves S., *Strunk J.,** Verhaeghen P., and Duarte A. (November, 2013). *Retrospective attention facilitates both short and long term-memory: support for a single memory system.* Poster presented at the 43rd annual meeting of the Society for Neuroscience.
- Arndt J. and Duarte A. (November, 2013). *The influence of selective attention at encoding on post-retrieval monitoring.* Poster presented at the 43rd annual meeting of the Society for Neuroscience.
- †Gilchrist A., Duarte A., Verhaeghen P., Solanki R. (November, 2013). *Effects of feature-based retrospective cues on working memory in adult aging.* Poster presented at the 54th annual meeting of the Psychonomic Society.
- Shin J., Duarte A., Hu X. (April, 2013). *Correction of Long-term Physiological Noise Effects Increases the Reproducibility of Resting-State Networks.* Poster presented at the 21st annual meeting of the International Society for Magnetic Resonance in Medicine.
- †Leshikar E.D. and Duarte A. (October, 2012). *Medial prefrontal cortex supports source memory for self-referenced materials in young and older adults.* Poster presented at the 42nd annual meeting of the Society for Neuroscience.
- *Dulas M.R.** and Duarte A. (October, 2012). *Age-related alterations in post-retrieval monitoring with and without directed attention at encoding: An fMRI Study.* Poster presented at the 42nd annual meeting of the Society for Neuroscience.
- ‡Donohue M.R.** and Duarte A. (April, 2012). *The effects of selective attention on associative memory in young versus older adults.* Poster presented at 15th annual Cognitive Aging Conference.
- *Dulas M.R., ‡Jiang Y.,** Duarte A. (April, 2012). *The effect of explicitly directing attention toward item-feature relationships on source memory in the young and old: an fMRI study.* Poster presented at 15th annual Cognitive Aging Conference.
- †Leshikar E.D. and Duarte A. (April, 2012). *Self-referencing supports source memory in young and older adults.* Poster presented at 15th annual Cognitive Aging Conference.

8/26/2021

AUDREY L DUARTE
CURRICULUM VITAE

- ‡**Hearons P.**, Duarte A., Verhaeghen P. (April, 2012) *Retrospective attention enhances visual working memory in the young but not the old: an ERP study*. Poster presented at 15th annual Cognitive Aging Conference.
- ***Graham B.**, Grahn J., Duarte A. (April, 2012). *Young and older adults' recognition memory during music listening*. Poster presented at 15th annual Cognitive Aging Conference.
- ***Newsome R.N.** Pun C., Ferber S., Duarte A., Barense M.D. (2012, March). *Use of a retro-cue disproportionately enhances VSTM performance in amnesic Mild Cognitive Impairment patients, relative to young and older adults*. Poster presented at the 21st annual Rotman Research Conference: Mild Cognitive Impairment, Toronto, Ontario, Canada.
- ***Newsome R.N.**, Duarte A., and Barense, M.D. (2011, June). *Reducing perceptual interference improves performance in mild cognitive impairment patients*. Poster presented at the Canadian Psychological Association Annual Meeting. Toronto, ON, Canada.
- Duarte A. (2011, June). *The role of directed attention on associative memory encoding and retrieval*. Talk given at presented at the Annual International Society for Behavioral Neuroscience conference, Verona, Italy.
- ***Newsome R.N.** Pun C., Ferber S., Duarte A., Barense M.D. (2011, November). *Attentional selection improves visual short-term memory performance in MCI patients*. Poster presented at the 41st annual meeting of the Society for Neuroscience.
- †Leshikar E.D., ***Holder J.**, Duarte A., Hertzog C. (2011, November). *Task-dependent activation supports subsequent memory for successful encoding strategy use*. Poster presented at the 41st annual meeting of the Society for Neuroscience.
- ***Dulas M.R.** and Duarte A. (2011, November). *Directed encoding of item-feature associations reduces dorsolateral prefrontal contributions to source memory retrieval*. Poster presented at the 41st annual meeting of the Society for Neuroscience.
- ***Newsome, R.N.**, Duarte A., and Barense, M.D. (2011, March). *Perceptual processing impairments in MCI patients are related to perceptual interference*. Poster presented at the 18th annual Cognitive Neuroscience Society meeting.
- ***Dulas M.R.**, ‡**Jiang Y.**, Duarte A. (2011, March). *The influence of directed attention on source memory retrieval in the young and old: an ERP study*. Poster presented at the 18th annual Cognitive Neuroscience Society meeting.
- †Leshikar E.D., Duarte A. (2010, October). *Medial prefrontal cortex supports accurate source memory retrieval for items encoded under self-reference*. Poster presented at the 40th annual meeting of the Society for Neuroscience.
- †Leshikar E.D., Duarte A. (2010, November). *Medial prefrontal cortex supports accurate source memory encoding for items encoded under self-reference*. Poster presented at the 51st annual meeting of the Psychonomic Society.
- Duarte A. (2010, June). *Frontal Activity Changes at Study and Test Underlie Domain General Source Memory Impairments in Older Adults*. Poster presented at the American Federation for Aging Research Grantee Conference.
- ***Dulas M.R.**, Duarte A. (2010, April). *Effects of aging on material general and material-specific source memory retrieval*. Poster presented at 14th annual Cognitive Aging Conference.

8/26/2021

AUDREY L DUARTE
CURRICULUM VITAE

- ***Dulas M.R.**, Duarte A. (2010, April). *The effects of explicit item-feature binding on source memory performance*. Paper presented at 14th annual Cognitive Aging Conference.
- ‡**Newsome R.**, Duarte A. (2010, April). *Age differences in associative memory: The influence of emotional stimuli*. Poster presented at 14th annual Cognitive Aging Conference.
- Duarte A. (2010, March). *Frontal Activity Changes at Study and Test Underlie Domain General Source Memory Impairments in Older Adults*. Poster presented at the 20th annual Rotman Research Institute Conference, University of Toronto.
- ‡**Worden K.**, Duarte A. (2010, March). *Can induced negative mood amplify the negativity bias?* Poster presented at annual Georgia Tech Undergraduate Research Opportunities Program Symposium.
- ***Dulas M.R.**, Duarte A. (2010, February). *Effects of aging on material-general and material-specific source memory retrieval*. Poster presented at Georgia Tech Research and Innovation Conference.
- ***Newsome R.**, Duarte A. (2010, February). *The effects of emotion on associative memory in younger adults*. Poster presented at the Georgia Tech Undergraduate Research Symposium
- ‡**Newsome R.**, Dulas M., Duarte A. (2009, October). *The effects of self-referential processing on source memory in young and older adults: Behavioral and ERP evidence*. Poster presented at the 39th annual meeting of the Society for Neuroscience.
- ***Dulas M.R.**, Duarte A. (2009, October). *Effects of aging on domain general and domain specific source memory*. Poster presented at the 39th annual meeting of the Society for Neuroscience.
- ‡**Newsome R.**, ***Dulas M.R.**, Duarte A. (2009, February). *The effects of aging on self-referential processing*. Poster presented at the Georgia Tech Undergraduate Research Symposium
- Duarte A., Henson R.N., Graham K.S. (2007, March). *Neural components of spatial and temporal source memory in healthy young and older adults*. Poster presented at the 14th annual meeting of the Cognitive Neuroscience Society.
- Duarte A., Henson R.N., Graham K.S. (2006, October). *The effects of aging on the neural correlates of subjective and objective recollection*. Paper presented at the autumn meeting of the British Neuropsychological Society.
- Duarte A., Henson R.N., Graham K.S. (2006, October). *Fractionating the neural correlates of subjective and objective recollection in older adults*. Paper presented at the 36th annual meeting of the Society for Neuroscience.
- Chao L.L., Schuff N., Duarte A., Buckley S.T., Kornak J., Kramer J.H., Yaffe B.L., Miller B. L., Weiner M.W. (February, 2006). *Predicting cognitive decline in MCI and healthy aging with structural and perfusion MRI and MRS*. Paper presented at the International Conference on Alzheimer's Disease and Related Disorders.
- Duarte A., Hayasaka S., Du A., Schuff N., Jahng G., Kramer J., Miller B., Weiner M. (October, 2005). *Functional correlates of memory deficits in Mild Cognitive Impairment*. Poster presented at the 35th annual meeting of the Society for Neuroscience.
- Duarte A., Hayasaka S., Du A., Schuff N., Jahng G., Kramer J., Miller B., Weiner M. (2005, June). *Frontal hypoperfusion correlates with episodic memory deficits in Mild Cognitive Impairment*. Poster presented at the International Conference on the Prevention of Dementia.
- Hayasaka S., Schuff N., Kornak J., Studholme C., Cardenas-Nicolson V., Du A., Duarte A., Weiner M. (2005, March). *Identifying Regional Patterns of Concordance and Dissociation between Gray*

AUDREY L DUARTE
CURRICULUM VITAE

Matter Loss and Hypoperfusion among Alzheimer's Disease Patients. Poster presented at the 13th annual meeting of the International Society for Magnetic Resonance in Medicine.

Duarte A., Ranganath C., Knight R.T. (2004, August). *Frontal lesions impair recognition memory: a reconciliation of lesion and fMRI findings.* Paper presented at the 1st annual Bay Area Memory Meeting.

Duarte A., Ranganath C., Trujillo C., Knight R.T. (2004, April). *Prefrontal cortex supports recollection and familiarity-based recognition: evidence from patients with unilateral prefrontal lesions.* Poster presented at the 11th annual meeting of the Cognitive Neuroscience Society.

Duarte A., Ranganath C., Winward L., Knight R.T. (2003, October). *Aging affects the neural correlates of recollection and familiarity during encoding and retrieval.* Poster presented at the 33rd annual meeting of the Society for Neuroscience.

Duarte A., Ranganath C., Winward L., Knight R.T. (2002, October). *Dissociable neural correlates for recollection and familiarity.* Paper presented at the annual retreat of the Helen Wills Neuroscience Institute, University of California at Berkeley.

Duarte A., Ranganath C., Winward L., Knight R.T. (2002, October). *Hemispheric asymmetries in frontal processing during memory encoding.* Poster presented at the 32nd annual meeting of the Society for Neuroscience.

Duarte A., Ranganath C., Winward L., Knight R.T. (2002, October). *Hemispheric asymmetries in frontal processing during memory encoding and retrieval.* Poster presented at the annual meeting of the Minority in Neuroscience Fellowship Program and American Psychological Association.

Duarte A., Ranganath C., Hayward D., Knight R.T. (2002, April). *Neurophysiological correlates of episodic memory for lateralized objects.* Poster presented at the 9th annual meeting of the Cognitive Neuroscience Society.

Duarte A., Ranganath C., Hayward D., Knight R.T. (2001, October). *Lateralized frontal activity during memory encoding.* Poster presented at the annual meeting of the Minority in Neuroscience Fellowship Program and American Psychological Association.

Knight R.T., Herrmann C.S., Padilla M., Duarte A., Soltani M., Pellouchoud E., Edwards E. (2001, April). *Stimulus dependence of human gamma band activity.* Poster presented at the 8th annual meeting of the Cognitive Neuroscience Society.

Duarte A., Griffiths D.P., Clayton N.S. (1999, August). *Observational learning and food storing in Scrub Jays.* Paper presented at the McNair Scholars Undergraduate Research Conference, University of California at Davis.

Duarte A., Griffiths D.P., Clayton N.S. (1999, January). *Observational learning and food storing in Scrub Jays.* Paper presented at the National Conference on Undergraduate Research, University of Rochester.

D. GRANTS AND CONTRACTS

D1. As Principal Investigator

Developing an imperceptible electroencephalography at-home sleep monitoring system for cognitive and clinical research, Principal Investigator

National Institute on Aging- Exploratory/Developmental Research Grant – R21, resubmission

8/26/2021

AUDREY L DUARTE
CURRICULUM VITAE

Collaborators: Woonhong Yeo, Georgia Tech; Lynn Marie Trotti, Emory University
2020 – 2022

\$424,990 direct and indirect costs

<https://www.nia.nih.gov/research/grants-funding/nia-funding-line-policy-fy-2019>

*Individual differences in habitual sleep quality and episodic memory network activity across the adult lifespan, **Principal Investigator***

National Science Foundation

Collaborators: Mark Wheeler

2019-2022

\$ 449,956 direct and indirect costs.

*At-home, imperceptible electroencephalography monitoring with soft electronics to investigate the impact of habitual sleep quality on cognitive performance, **Principal Investigator***

Alzheimer's Association

Collaborators: Woonhong Yeo

2019-2022

\$ 149,843 direct and indirect costs.

*Research training grant in cognitive aging, **Program Director***

National Institute on Aging, Institutional Training Grant – T32

Collaborators: Chris Hertzog, Dan Spieler, Scott Moffat, Paul Verhaeghen, Mark Wheeler, Georgia Tech

2015-2020

\$2,459,535 direct and indirect costs

*Aging and components of cognitive control in associative memory, **Principal Investigator***

National Institute on Aging, R56.

Collaborators: N/A

2016-2019

\$ 425,143 direct and indirect costs.

*The influence of attention on associative memory in the young and old, **Principal Investigator***

National Science Foundation, Research Grant

Collaborators: N/A

2011 – 2015

\$ 410,692 direct and indirect costs.

*The effects of aging on associative memory, **Principal Investigator***

American Federation for Aging Research, Research Grant

Collaborators: N/A

2009 – 2012

\$75,000 direct costs. No indirect costs allowed.

*Prediction of Cognitive Decline with MRI and MRS, **Principal Investigator***

National Institute on Aging; research supplement award

University of California at San Francisco

Collaborators: Michael Weiner, University of California San Francisco

2005 – 2006

\$35,568 direct costs. No indirect costs allowed.

*Perfusion MRI and episodic memory in MCI, **Principal Investigator***

Veterans Affairs Research Enhancement Award Program

Collaborators: Michael Weiner, University of California San Francisco

2004 – 2005

8/26/2021

AUDREY L DUARTE
CURRICULUM VITAE

\$35,568 direct costs. No indirect costs allowed.
San Francisco Veterans Affairs Medical Center

Neuroscience Scholars Program, **Principal Investigator**
National Institute on Neurological Disorders and Stroke
Collaborators: Robert Knight, University of California Berkeley
2001 – 2004
\$58,896 direct costs. No indirect costs allowed.

D2. As Co-Investigator

Aging and varieties of cognitive control, **Co-Investigator**
National Institute on Aging, Research Project Grant - R01
Collaborators: Paul Verhaeghen, Georgia Tech
2010 – 2016
\$1,114,596 direct and indirect costs.

Norepinephrine release with exercise and memory function in elderly adults, **Co-Principal Investigator**
Emory University, Pilot Grant
Collaborators: Minoru Shinohara, Georgia Tech
2012 – 2013
\$25,000 direct costs. No indirect costs allowed.

Functional recruitment underlying the use of effective memory mediators, **Co-Investigator**
GSU/GT Center for Advanced Brain Imaging Seed Grant
Collaborators: Chris Hertzog, Georgia Tech
2010 – 2011
\$10,000 direct costs. No indirect costs allowed.

Aging and varieties of cognitive control, Short-Term Project Award, **Co-Investigator**
National Institute on Aging, High Priority Short-Term Project Award - R56
Collaborators: Paul Verhaeghen, Georgia Tech
2009 – 2010
\$469,271 direct and indirect costs.

Research training grant in cognitive aging, **Core Faculty Preceptor**
National Institute on Aging, Institutional Training Grant – T32
Collaborators: Chris Hertzog, Dan Spieler, Scott Moffat, Paul Verhaeghen, Mark Wheeler,
Georgia Tech
2009 – 2014
\$2,257,040 direct and indirect costs.

D3. Proposals Pending

Mindfulness meditation for objective sleep and cognitive improvement in aging, **Co-Principal Investigator**
National Institute on Aging- Research Project Grant – R21
Collaborators: Paul Verhaeghen, Georgia Tech
2020-2022
\$424,990 direct and indirect costs
Submitted 10/2019

Dynamic Fluctuations in the spatiotemporal structure of the resting state, **Co-Principal Investigator**
National Institute on Aging- Research Project Grant – R01

AUDREY L DUARTE
CURRICULUM VITAE

Collaborators: Eric Schumacher, Shella Keihlholz, Georgia Tech; Lynn Marie Trotti, Emory University
2019 – 2024
\$ 3,344,082 direct and indirect costs.
Submitted 6/2019

Imperceptible, at-home sleep quality monitoring bioelectronics in conjunction with deep learning for smart healthcare, Co-Principal Investigator

Samsung/Advanced Institute of Technology/Taejon, Korea
Collaborators: Woonhong Yeo, Georgia Tech
2019 – 2020
\$ 150,000 direct and indirect costs.
Submitted 6/2019

Research training grant in cognitive aging, Program Director

National Institute on Aging, Institutional Training Grant – T32
Collaborators: Chris Hertzog, Dan Spieler, Scott Moffat, Paul Verhaeghen, Mark Wheeler, Georgia Tech
2020 – 2025
\$ 2,608,465 direct and indirect costs.
Submitted 5/2019

Skin-like, smart and connected EEG system for sleep assessment, Co-Principal Investigator

Engineering and Physical Sciences Research Council (EPSRC)
Collaborators: Jim Ang, University of Nottingham; Woonhong Yeo, Georgia Tech
2019 – 2022
\$414,023 subcontract to Duarte
Submitted 2/2019

Precision Aging Network: Closing the gap between cognitive health span and human lifespan, Co-Lead

National Institute on Aging-Complex Integrated Multi-Component Projects in Aging Research– U19
Collaborators: Carol Barnes (PI), Lee Ryan (co-PI), University of Arizona; Bonnie Levin, University of Miami; Anja Soldan, Marilyn Albert, Johns Hopkins.
2019-2024
\$56,082,567 (\$2,694,561 subcontract to Duarte)
Submitted 1/2019

D4. Proposals in Preparation

SCH: INT: Collaborative Research: Using new, imperceptible biosensing for at-home monitoring of sleep-related biomarkers of Alzheimer's disease, Principal Investigator

National Science Foundation
Collaborators: Woonhong Yeo, Georgia Tech; Felicia Goldstein, Emory University; Donald Bliwise, Emory University.
\$1,195,376 direct and indirect costs
To be submitted 12/2019

Exploring 5-HT1A and 5-HT7 receptor modulation of abnormal gamma oscillations and seizures Caused by GABA – Glutamate Dyshomeostasis Early in Development in Fmr1 Knockout Mice, Co-Investigator

National Institute of Health- Exploratory/Developmental Research Grant – R21
Collaborators: Clint Canal, Mercer University

8/26/2021

AUDREY L DUARTE
CURRICULUM VITAE

To be submitted 2/2020

GABA contributions to episodic memory across the adult lifespan, **Principal Investigator**

National Institute on Aging- Research Project Grant – R01

Collaborators: Lisa Krishnamurthy, Georgia State; Vonetta Dotson, Georgia State; Thackery Brown, Georgia Tech; Paul Verhaeghen, Georgia Tech.

To be submitted 2/2020

E. SOCIETAL AND POLICY IMPACTS

The broader impacts of my work are clear. Twenty percent of the world's population will be over the age of 60 by 2030. It is therefore of great importance to understand the neurocognitive processes that underlie age-related memory impairments so that we can develop targeted interventions to ameliorate these impairments. In my lab we conduct research to identify the mechanisms underlying memory impairments, how racial/ethnic diversity, individual differences in environmental factors like sleep and mood impact these mechanisms, and conduct intervention studies using exercise and cognitive methods.

V. EDUCATION

A. COURSES TAUGHT

Fall, 2019	Psyc 4100	Behavioral Pharmacology	56 Students
Fall, 2019	GT 1000-Psyc	Freshmen Seminar	7 Students
Spring, 2019	Psyc 6040/41	Topics in Cognitive Aging	31 Students
Spring, 2019	Neur 3003	Neuroscience of Behavior	27 Students
Fall, 2018	GT 1000-Psyc	Freshmen Seminar	7 Students
Fall, 2018	Psyc 6040/41	Topics in Cognitive Aging	31 Students
Spring, 2018	Psyc 6040/41	Topics in Cognitive Aging	32 Students
Spring, 2018	Psyc 4100	Behavioral Pharmacology	52 Students
Fall, 2017	Psyc 6013	Biopsychology, Graduate	12 Students
Fall, 2017	Psyc 6041	Topics in Cognitive Aging	8 Students
Fall, 2016	Psyc 6041	Topics in Cognitive Aging	12 Students
Fall, 2016	Psyc 6013	Biopsychology, Graduate	13 Students
Fall, 2016	Psyc 4100	Behavioral Pharmacology	20 Students
Spring, 2016	Psyc 8020/8080	Neurocognitive models of aging	9 Students
Spring, 2016	Psyc 3020	Biopsychology, Undergraduate	27 Students
Fall, 2015	Psyc 4100	Behavioral Pharmacology	25 Students
Fall, 2015	Psyc 6041	Topics in Cognitive Aging	12 Students
Spring, 2015	Psyc 6013	Biopsychology, Graduate	10 Students
Spring, 2015	Psyc 6041	Topics in Cognitive Aging	10 Students
Fall, 2014	Psyc 3020	Biopsychology, Undergraduate	28 Students
Fall, 2014	Psyc 6041	Topics in Cognitive Aging	11 Students
Spring, 2014	Psyc 4100	Behavioral Pharmacology	40 Students
Spring, 2014	Psyc 6041	Topics in Cognitive Aging	7 Students
Fall, 2013	Psyc 3020	Biopsychology, Undergraduate	37 Students
Fall, 2013	Psyc 6041	Topics in Cognitive Aging	15 Students
Spring, 2013	Psyc 6013	Biopsychology, Graduate	19 Students
Spring, 2013	Psyc 6041	Topics in Cognitive Aging	10 Students
Fall, 2012	Psyc 3020	Biopsychology, Undergraduate	56 Students
Fall, 2012	Psyc 6041	Topics in Cognitive Aging	12 Students
Spring, 2012	Psyc 4100	Behavioral Pharmacology	25 Students

8/26/2021

AUDREY L DUARTE
CURRICULUM VITAE

Spring, 2012	Psyc 6041	Topics in Cognitive Aging	12 Students
Fall, 2011	Psyc 3020	Biopsychology, Undergraduate	36 Students
Spring, 2011	Psyc 3020	Biopsychology, Undergraduate	35 Students
Fall, 2010	Psyc 3020	Biopsychology, Undergraduate	37 Students
Spring, 2010	Psyc 4100	Behavioral Pharmacology	54 Students
Fall, 2009	Psyc 8020/8080	Cognitive Neuroscience of Aging Seminar, Graduate	11 Students

B. INDIVIDUAL STUDENT GUIDANCE

B1. PhD Students

Soroush Mirjalili, M.S.	Advised since Fall, 2018
Kyoung Eun Lee, M.S.	Advised since Fall, 2018
Brittany Corbett, B.S.	Advised since Fall, 2017
Emily Hokett, M.S.	Advised since Fall, 2016
Taylor James, B.S.	Advised since Fall, 2015
Jonathan Strunk, Ph.D.	Graduated Fall, 2018
Ph.D. thesis "The influence of valid and invalid context memory cues at encoding."	
Michael Dulas, Ph.D.	Graduated Summer, 2014
Ph.D. thesis "Age-related changes in overcoming proactive interference in associative memory: the role of VLPFC-mediated post-retrieval selection."	
Current Position: Post-doctoral fellow at University of Illinois, Urbana-Champaign	

B2. M.S. Students

Lisa Weinberg, M.S.	Graduated Fall, 2015
M.S. thesis "How acute stress during consolidation affects memory for negative materials with different arousal levels" completed Fall, 2015.	
Sarah Reaves, M.S.	Graduated Spring, 2015
M.S. thesis "The effect of retrospective attention on memory systems" completed Spring, 2015.	
Current Position: Research Scientist at University of Florida	
Brittany Graham, M.S.	Graduated Fall, 2011
M.S. thesis "Mechanisms supporting recognition memory during music listening" completed Fall, 2011	

B3. Undergraduate Students

Lauren McClelland, Size Liu	Current
James Becker, Zach Hopton	Current
Prachi Patel, Sammy Weiss-Cowie	Current
Anchal Kamat, Aditi Arunmozhi	Current
Zach Hopton, Natalie Black	Current
Ruta Panchal	Graduated Spring, 2019
Patricia Chang, Helly Patel	Graduated Spring, 2019
Cady Sikes, Asif Sheikh	Graduated Spring, 2019
Alexandra Kershteyn	Graduated Spring, 2018
Catherine Stephens, Gemariah Valencia	Graduated Spring, 2016
Brittany Corbett, Zain Hassan	Graduated Spring, 2015
Lauren Morgan, Taylor James	Graduated Spring, 2015

AUDREY L DUARTE
CURRICULUM VITAE

Jack Kuhns, Sindhuja Surapaneni	Graduated Spring, 2015
Darshna Patel, Neda Norouzi	Graduated Spring, 2015
Belinda Jivapong, Shekinah Phillips	Graduated Spring, 2015
Parissa Rabbanifard, An Do	Graduated Spring, 2014
Behetrin Mohammed, Preety Bhardwaj	Graduated Spring, 2014
Shruti Chandramouli	Graduated Spring, 2013
Jessica Zuo, Lydia Maleknia	Graduated Spring, 2013
Yusuf Uddin, Meghan Rose Donohue	Graduated Spring, 2012
Mary Courtney Delvin, Colin Blenis	Graduated Spring, 2012
Lindsey Threlkeld, Trang Nguyen	Graduated Spring, 2012
Dina Dunn, Benjamin Tsui, Kelly Bailey	Graduated Spring, 2011
Rachel Newsome, Adarsh Shetty,	Graduated Spring, 2010
Kendell Worden, Yashu Jiang	Graduated Spring, 2010

B4. Service on Thesis/Dissertation Committees

Dissertation Committees (3 students), 2018-2019
Dissertation Committees (2 students), 2017-2018
Dissertation Committees (2 students), 2015-2016
Dissertation Committees (1 student), 2014-2015
Dissertation Committees (4 students), 2010 – 2011
Master’s Committees (4 students), 2018-2019
Master’s Committees (3 students), 2017-2018
Master’s Committees (2 student2), 2016-2017
Master’s Committees (2 students), 2015-2016
Master’s Committees (6 students), 2012 – 2013
Master’s Committees (2 students), 2010 – 2011
Master’s Committee (1 student), 2009-2010
Preliminary Exam Committees (2 students), 2018-2019
Preliminary Exam Committees (1 student), 2017-2018
Preliminary Exam Committees (1 student), 2014-2015
Preliminary Exam Committees (1 student), 2012-2013
Preliminary Exam Committees (3 students), 2010 – 2011
Preliminary Exam Committees (3 students), 2009 – 2010
Preliminary Exam Committees (2 students), 2008 – 2009

B5. Mentorship of Postdoctoral Fellows/Visiting Scholars

Visiting Scholars

Jason Arndt, Ph.D. Advised 2012-2013
Associate Professor of Psychology at Middlebury College

David Maillet, Ph.D Advised Summer, 2013
Postdoctoral fellow at Harvard University

Postdoctoral Fellows

Sidni Justus, Ph.D. Advised 2019-present

Patrick Powell, Ph.D. Advised 2016-2019
Current Position: lead project coordinator for the Autism and Developmental Disabilities
Monitoring (ADDM) Network at the Centers for Disease Control

8/26/2021

AUDREY L DUARTE
CURRICULUM VITAE

Amanda Gilchrist, Ph.D. Advised 2012-2013
Current Position: Assistant Professor of Psychology at Cottey College

Eric Leshikar, Ph.D. Advised 2009- 2011
Current Position: Assistant Professor of Psychology at University of Illinois, Chicago

C. Educational Innovations and Other Contributions

- I worked to develop the first annual School of Psychology summer camp for high school students in Summer 2016. The camp was held again in 2017 and 2018. I advise the graduate student camp leaders on the structure of the camp.
- I lead a writing workshop for the NIA Cognitive Aging trainees once a year.
- I am the faculty advisor for the Psi Chi Honor Society chapter at Georgia Tech.
- I redeveloped the undergraduate Behavioral Pharmacology elective course that had not been taught for many years. I incorporated topics from neuroscience to culture and law and it is one of the most popular electives in our department taken by students from the colleges of science and engineering.
- I am teaching a new course for the undergraduate neuroscience majors (Neuroscience of Behavior).

VI. SERVICE

A. PROFESSIONAL CONTRIBUTIONS

Promotion and Tenure External Review

University of Toronto (January, 2021)

Cleveland State University and University of Mannheim, Germany (May, 2019)

Journal and Grant Review Activities

Journals

Aging, Neuropsychology, and Cognition, **Editor in Chief**

Brain and Cognition

Brain Research

Cerebral Cortex

Cortex

Frontiers in Neuroscience, **Editorial Board**

Journal of Cognitive Neuroscience

Journal of Gerontology: Psychological Science, **Editorial Board**

Journal of Experimental Psychology: Applied

Journal of Experimental Psychology: Learning and Memory

Journal of Neuroscience

NeuroImage, **Handling Editor**

Neurobiology of Aging

Neuropsychologia

Neuroscience Letters

Perspectives on Psychological Science

Psychology and Aging, **Editorial Board**

PLoS One

Granting agencies

National Institutes of Health: Human Complex Mental Function (regular member 2020-2024); Cognition and Perception (ad-hoc 10/2018, 8/2019; Learning and Memory (ad-hoc) 10/2019; Fellowships: Risks,

8/26/2021

AUDREY L DUARTE
CURRICULUM VITAE

Prevention and Health Behavior 3/2018, 7/2019; Fellowships: Sensory and Motor Neuroscience, Cognition and Perception 7/2019

National Science Foundation, 2013;2015;2019

Netherlands Organization for Scientific Research, 2017

Professional Meetings Organized

Smokies Cognition and Neuroscience Symposium (SCANS). Asheville, North Carolina. September, 2018-present, biannual

North Georgia Regional Annual Memory Meeting (NGRAMM). Atlanta, Georgia. September, 2015-present, annual

Course instructor of *Biology and Disorders of Learning and Memory*. Cold Spring Harbor Laboratory, Cold Spring Harbor, New York. July, 2013.

International Society for Behavioral Neuroscience annual conference. Half Moon Bay, California. June, 2012.

Cognitive Aging Conference. Atlanta, Georgia. Biannually 2012-present

Membership in Professional Societies

Atlanta chapter Society for Neuroscience

Center for Behavioral Neuroscience

Cognitive Neuroscience Society

Phi Sigma Honor Society

Psi Chi, Faculty Advisor

Psychonomic Society

Sigma Xi

Society for Neuroscience

Southeastern Workers in Memory

B. PUBLIC AND COMMUNITY SERVICE

Atlanta Society for Neuroscience Georgia Tech Representative, 2010-2017

Grand Awards Judge, Intel International Science and Engineering Fair, Atlanta GA, 2008 – 2009

Judge, Siemens Math, Science and Technology competition, GA Tech, 2008 – 2009

C. INSTITUTE CONTRIBUTIONS

Institute

EXCEL Advisory Board, 2019-2021

Faculty Executive Board, 2017-2021

Liaison to Student Grievance Committee, 2019-2020

Liaison to Faculty Grievance Committee, 2018-2019

Liaison to Staff Council, 2017-2018

Academic Faculty Senate, 2014-2017

NeuroX Task Force, 2014

College

College of Sciences B.S. Neuroscience Operations Committee, 2019-2021

College of Sciences B.S. Neuroscience Curriculum Committee, 2015-2019

College of Sciences Diversity Council, 2017-present

College of Sciences Diversity Committee, 2012

8/26/2021

AUDREY L DUARTE
CURRICULUM VITAE

CABI Director Faculty Search Committee, 2011-2012

CABI Operations Committee, 2010-present

School

Associate Chair for Undergraduate Education, 2018-present

School of Psychology Diversity Committee, 2019-present

Chair's executive team, 2018-present

Chair Search Committee, 2018 & 2020

Chair's Advisory Committee, 2017

Strategic Planning Committee, 2017

Cognition and Brain Sciences Faculty Search Committee, 2014

Cognition and Brain Sciences Faculty Search Committee, 2012-2013

Chair's Advisory Committee, 2009 – 2010, 2012

Colloquium Speaker Series Coordinator, 2010 –2012

Cognitive Aging Faculty Search Committee, 2010-2011

Graduate Admissions Committee, 2008 – 2010

School of Psychology Awards Committee, 2008 – 2009