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Education

- 2004 The Catholic University of America, Ph.D., Experimental Psychology, (with Distinction)
2001 The Catholic University of America, M.A., Experimental Psychology, (with Honors)
1997 University of Rochester, B.A., Brain and Cognitive Sciences, (with Honors)
1997 University of Rochester, B.A., Psychology

Academic and Professional Experience

- 2015 - Associate Professor, Department of Psychology, The Pennsylvania State University
2008 – 2015 Assistant Professor, Department of Psychology, The Pennsylvania State University
2012 – Affiliated Faculty, The Center for Brain, Behavior, & Cognition, The Pennsylvania State University
2008 – Affiliated Faculty, The Center for Health Aging, The Pennsylvania State University
2008 – Affiliated Faculty, The Huck Institutes of the Life Sciences & the Intercollege Graduate Degree Program in Neuroscience, The Pennsylvania State University
2004 – 2008 Postdoctoral Fellow, CabezaLab, Center for Cognitive Neuroscience, Duke University
2004 – 2007 Research Fellow, Center for Aging and Human Development, Duke University Medical Center
1999 – 2004 Research Assistant, The Cognitive Aging Lab, The Catholic University of America
1999 – 2004 Graduate Student with Prof. James H. Howard, Ph.D., The Catholic University of America
Dissertation title: “Age deficits in implicit sequence learning with response remapping”
Master’s thesis: “Age-related deficits in implicit learning of auditory sequences”
1997 – 1999 Research Assistant with Drs. Salvatore Soraci, & Michael Carlin, Ph.Ds., Eunice Kennedy Shriver Center, University of Massachusetts Medical School
1996 – 1997 Research Assistant with Prof. James R. Ison, Ph.D., University of Rochester

Funding/Awards

Extramural

National Institute on Aging

R15: Elucidating cognitive and neural mechanisms to enhance associative memory in younger and older adults

6/2016 – 6/2019 (co-PI)

National Science Foundation

Elucidating the Neural Correlates of False Memories in Young and Older Adults

9/2010 – 4/2016 [no cost extension] (PI)

American Federation for Aging Research
Age-related changes in neural recruitment associated with cognitive control of memory processes
7/01/2010 – 6/30/2012 (PI)

NIH/NIA T32 AG000029-30
Behavior and Physiology in Aging
Harvey J. Cohen, PI
Center for Aging and Human Development, Duke University Medical Center
7/11/2004 – 7/10/2007 (Post-doctoral Trainee)

American Psychological Association Dissertation Award
2004

McDonnell Fellowship, Summer Institute in Cognitive Neuroscience, Dartmouth Medical School
2002

Intramural

Social Science Research Institute, Penn State University
Enhancement of the Participants Across the LifeSpan (PALS) Database
2015-2017 (co-PI)

Social Science Research Institute & Center for Healthy Aging, Penn State University
Behavioral, neural and genetic factors influencing motor and cognitive function in healthy older adults
2014 – (PI)

Social Science Research Institute, Penn State University
Cognitive Function, Neural Correlates and Adherence to Treatment in Adults with Obstructive Sleep Apnea
2012 – (co-I)

Social Science Research Institute, Penn State University
The translational potential of visual neuroscience in the design of communication supports for individuals with disabilities
2010 – 2014 (co-I)

Social Science Research Institute, Penn State University
Skilled Self-labeling in the Doctor-Patient Context
2009 – 2011 (co-I)

Social Science Research Institute, Penn State University
Establishment of a Senior Research Participant Database.
2009 – 2012 (PI)

Clinical and Translational Science Institute, Penn State University
Quantitative Multimodal Image Analysis Tools for Brain Development, Aging, and Diseases
2009 – 2011 (co-I)

Publications**Peer-reviewed journal articles- Published**

45. Geib, B.R., Stanley, M.L., Dennis, N.A., Woldorff, M. & Cabeza, R. (in press). From hippocampus to whole-brain: The role of integrative processing in episodic memory retrieval. *Human Brain Mapping*.
44. *Turney, I.C. & Dennis, N.A. (in press). Elucidating the neural correlates of related false memories using a systematic measure of perceptual relatedness. *NeuroImage*
43. *Grant, A. & Dennis, N.A. (2016). Increased processing speed in young adult bilinguals: evidence from source memory judgments. *Bilingualism: Language and Cognition*.
42. *Turney, I.C., Dennis, N.A. Maillet, D., & Rajah, M.N. (in press). Exploring the influence of encoding format on subsequent memory. *Memory*.
41. *Webb, C.E., *Turney, I.C. & Dennis, N.A. (2016). What's the Gist? The influence of schemas on the neural correlates underlying true and false memories. *Neuropsychologia*.93: 61-75.
40. *Bowman, C.R. & Dennis, N.A. (2016). The neural basis of recollection rejection: increases in hippocampal-prefrontal connectivity in the absence of a shared recall-to-reject and target recollection network. *Journal of Cognitive Neuroscience*. 28(8): 1194-1209.
39. *Rizio, A.A. & Dennis, N.A. (2016). Recollection after inhibition: The effects of intentional forgetting on the neural correlates of retrieval. *Cognitive Neuroscience*. DOI: 10.1080/17588928.2016.1154522
38. Kurkela, K.A & Dennis, N.A. (2016) Event-related fMRI studies of false memories: An activation Likelihood Estimation meta-analysis. *Neuropsychologia*. 81: 149-167.
37. Wilkinson, K.M., Dennis, N.A., *Webb, C.E., Therrien, M., Stadtman, M., Farmer, J., Leach, R., Warrenfeltz, M., Zeuner, C. (2015). Neural Activity Associated with Visual Search for Line Drawings on AAC Displays: An Exploration of the Use of fMRI. *Augmentative and Alternative Communication*. 31(4): 310-324.
36. Dennis, N.A., *Turney, I.C., *Webb, C.E., Overman, A.A. (2015). The effects of item familiarity on the neural correlates of successful associative memory encoding. *Cognitive, Affective, & Behavioral Neuroscience*. 15(4): 889-900.
35. *Bowman, C.R. & Dennis, N.A. (2015). The neural correlates of correctly rejecting lures during memory retrieval: The role of item-relatedness. *Experimental Brain Research*. 233: 1963-1975.
34. *Venkatesan, U.M., Dennis, N. A., & Hillary, F. (2015). Chronology and chronicity of altered resting-state functional connectivity after traumatic brain injury. *Journal of Neurotrauma*. 32(4):252-64. PMID: PMC4347859
33. *Bowman, C.R. & Dennis, N.A. (2015). Age differences in the neural correlates of novelty processing: The effects of item-relatedness. *Brain Research*. 1612: 2-15.
32. *Grant, A., Dennis, N.A. & Li, P. (2014). Cognitive control, cognitive reserve and memory in the aging bilingual brain. *Frontiers in Psychology*. 5:1401. PMID: PMC4253532

31. Dennis, N.A., *Johnson, C.E. & Peterson, K.M. (2014) Neural correlates underlying true and false associative memories. *Brain and Cognition*. 88: 65-72.
30. *Rizio, A.A. & Dennis, N.A. (2014). The cognitive control of memory: Age differences in the neural correlates of successful remembering and intentional forgetting. *PLOS One*.1(9): 1-12. PMID: PMC3901730
29. Dennis, N.A., *Bowman, C.R. & Peterson, K.M. (2014). Neural correlates mediating false recollection in older adults: evidence for individual differences. *Neurobiology of Aging*. 35: 395-407.
28. *Rizio, A.A. & Dennis, N.A. (2013). The neural correlates of cognitive control: Successful remembering and intentional forgetting. *Journal of Cognitive Neuroscience*. 25(2): 297-312.
27. Dennis, N.A. & Peterson K.M. (2013). Neural correlates mediating age differences in episodic memories: evidence from BOLD contrasts and connectivity analyses. *Psychologia*. 55(2): 112-130.
26. Butler, A.C., Dennis, N.A., & Marsh, E.J. (2012). Inferring facts from fiction: Reading correct and incorrect information affects memory for related information. *Memory*, 20 (5): 487-498. PMID: PMC3393771
25. Dennis, N.A., *Bowman, C.R. & Vandekar, S.N. (2012). True and phantom recollection: an fMRI investigation of similar and distinct neural correlates and connectivity. *NeuroImage*. 59: 2982-2993.
24. Dennis, N.A. & Cabeza, R. (2011). Age-related dedifferentiation in implicit and explicit learning systems. *Neurobiology of Aging*, 32(12): 2318.e17-30. PMID: PMC2923680
23. Dennis, N.A., Cabeza, R., Need, A., Waters-Metenier, S., Goldstein, D. & LaBar, K.S. (2011) Brain-derived neurotrophic factor Val66Met polymorphism and hippocampal activation during episodic encoding and retrieval tasks. *Hippocampus*, 21(9): 980-989. PMID: PMC3010486
22. Madden, D.J., Costello, M.C., Dennis, N.A., Davis, S.W., Shepler, A.N., Spaniol, J., Bucur, B., & Cabeza, R. (2010) Adult age differences in functional connectivity during executive control. *NeuroImage*, 52: 643–657. PMID: PMC2902259
21. Dennis, N.A., Browndyke, J.N., Stokes, J., Need, A., Burke, J.R., Welsh-Bohmer, K., & Cabeza, R. (2010). Temporal lobe functional activity and connectivity in young adult APOE e4 carriers. *Alzheimer's & Dementia*, 6: 303-311. PMID: PMC2891943
20. Dennis, N.A., Need, A., LaBar, K.S., Waters-Metenier, S., Cirulli, E.T., Kragel, J, Goldstein, D.B., & Cabeza, R. (2010). *COMT* Val^{108/158}Met genotype affects neural but not cognitive processing in healthy young adults. *Cerebral Cortex*, 20: 672-683. PMID: PMC2906653
19. Daselaar, S.M., Prince, S.E., Dennis, N.A., Hayes, S.M., Kim, H., & Cabeza, R. (2009). Posterior midline and ventral parietal activity is associated with retrieval success and encoding failure. *Frontiers in Human Neuroscience*, 3:1-10. PMID: PMC2726033

18. Prince, S.E., Dennis, N.A., & Cabeza, R. (2009). Encoding and Retrieving Faces and Places: Distinguishing Process- and Stimulus-Specific Differences in Brain Activity. *Neuropsychologia*. 47(11): 2282-9. PMID: PMC2697120
17. Davis, S.W., Dennis, N.A., Buchler, N.G., White, L.E., Madden, D.J., & Cabeza, R. (2009). Assessing the effects of aging on long white matter tracts using diffusion tensor tractography. *NeuroImage*. 46(2): 530-41. PMID: PMC2775533
16. Madden, D.J., Spaniol, J., Costello, M., Bucur, B., White, L., Cabeza, R., Davis, S.W., Dennis, N.A., Provenzale, & Huettel, S.A. (2009). Cerebral white matter integrity mediates adult age differences in cognitive performance. *Journal of Cognitive Neuroscience* 21(2): 289-302. PMID: PMC2676336
15. Howard, J.H., Jr., Howard, D.V., Dennis, N.A., & Kelly, A.J. (2008). Implicit learning of predictive relationships in three-event visual sequences by young and old adults. *Journal of Experimental Psychology: Learning, Memory, & Cognition*. 34(5): 1139-1157. PMID: PMC2546574
14. Dennis, N.A., Hayes, S.M., Prince, S.E., Madden, D.J., Huettel, S.A., & Cabeza, R. (2008). Effects of aging on the neural correlates of successful item and source memory encoding. *Journal of Experimental Psychology: Learning, Memory, & Cognition*. 34(4): 791-808. PMID: PMC2752883
13. Dennis, N.A., Kim, H., & Cabeza, R. (2008). Age-related differences in brain activity during true and false memory retrieval. *Journal of Cognitive Neuroscience*. 20(8): 1390-1402. PMID: PMC3114875
12. Davis, S.W., Dennis, N.A., Fleck, M., Daselaar, S.M., & Cabeza, R. (2008). Que PASA?: the posterior-anterior shift in aging. *Cerebral Cortex*. 18(5): 1201-1209. PMID: PMC2760260
11. Howard, D.V., Howard, J.H., Jr., Dennis, N.A., LaVine, S., & Valentino, K. (2008). Aging and implicit learning of a simple association. *Journal of Gerontology B: Psychological Sciences*. 63(2): 100-105.
10. Dennis, N.A., Kim, H., & Cabeza, R. (2007). Effects of aging on true and false memory formation: an fMRI study. *Neuropsychologia*. 45(14): 3157-3166.
9. Howard, J.H., Jr., Howard, D.V., Dennis, N.A., & Yankovich, H. (2007). Event timing and age-deficits in higher-order sequence learning. *Aging, Neuropsychology, and Cognition*. 14(6): 647-668.
8. Dennis, N.A., Daselaar, S., & Cabeza, R. (2007). Effects of aging on transient and sustained successful memory encoding activity. *Neurobiology of Aging*. 28(11): 1749-1758. PMID: PMC3681865
7. Dennis, N.A., Howard, J.H., Jr., & Howard, D.V. (2006). Implicit sequence learning without motor sequencing in young and old adults. *Experimental Brain Research*. 175(1): 153-64.
6. Howard, J.H., Jr., Howard, D.V., Dennis, N.A., Yankovich, H., & Vaidya, C.J. (2004). Implicit spatial contextual learning in healthy aging. *Neuropsychology*, 18(1): 124-134. PMID: PMC1224740
5. Dennis, N.A., Howard, J.H., Jr., & Howard, D.V. (2003). Age-related deficits in learning sequences of spoken words. *Journal of Gerontology B: Psychological Sciences*, 58: 224-227.
4. Carlin, M.T., Soraci, S.A., Strawbridge, C.P., Dennis, N.A., Loiselle, R., Chechile, N.A. (2003). Detection of changes in naturalistic scenes: Evidence of intelligence-related differences. *American*

Journal on Mental Retardation, 108(3): 181-193.

3. Mackay, H.A., Soraci, S.A., Carlin, M.T., Dennis, N.A., & Strawbridge, C.P. (2002). Guiding visual attention during acquisition of matching to sample. *American Journal on Mental Retardation*, 107(6): 445-454.
2. Carlin, M.T., Soraci, S.A., Dennis, N.A., Strawbridge, C., & Chechile, N.A. (2002). Guided visual search in individuals with mental retardation. *American Journal on Mental Retardation*, 107(4): 237-251.
1. Carlin, M.T., Soraci, S.A., Dennis, N.A., Chechile, N.A., & Loiselle, R.C. (2001). Enhancing free recall rates of individuals with mental retardation. *American Journal on Mental Retardation*, 106(4): 314-326.

Book Chapters

5. Dennis, N.A. & *Huhn III, J.M. (accepted). Item and associative memory decline in healthy aging. Phelps & Davachi (Eds.), *The Stevens' Handbook of Experimental Psychology and Cognitive Neuroscience: Learning & Memory*. Wiley-Blackwell.
4. Dennis, N.A., *Bowman, C. R., & *Turney, I. (2015). Neural correlates of false memories. In Audrey Duarte, Donna Rose Addis, & Morgan Barense (Eds.), *The Cognitive Neuroscience of Human Memory*. Wiley-Blackwell.
3. Cabeza, R. & Dennis, N.A. (2012). Frontal lobes and aging: Deterioration and compensation. In Stuss, D.T., & Knight, R.T. (Eds.). *Principles of Frontal Lobe Function, 2nd Edition* (pp.628-652). New York: Oxford University Press.
2. Dennis, N.A. & Cabeza, R. (2008). Neuroimaging of Healthy Cognitive Aging. In F.E.M. Craik & T. Salthouse (Eds.): *Handbook of Aging and Cognition, 3rd Edition*. (pp. 1-55). New York: Psychological Press.
1. Daselaar, S., Dennis, N., & Cabeza, R. (2007). Ageing: age-related changes in episodic and working memory. In S. Rombouts, F. Barkhof, and P. Scheltens (Eds.): *Clinical Applications of Functional Brain MRI* (pp. 115-147). New York: Oxford University Press.

*denotes mentored, graduate/undergraduate student co-author

Conference Presentations (selected 2006-present)

*Bowman, C.R., *Huhn III, J.M., Dennis, N.A. (2016). Repeated study of items with and without repeated context: aging effects on recollection and familiarity. *Poster to be presented at the International Conference of Memory, Budapest, Hungary.*

*Bowman, C.R. & Dennis, N.A. (2016) Recall-to-reject: Aging effects on the neural correlates of recollection rejection. *Poster presented at the Cognitive Aging Conference, Atlanta, Georgia.*

*Sine, S. *Bowman, C.R. & Dennis, N.A. (2016) The neural correlates of related lure interference on correct recognition and false memory suppression. *Poster presented at the Cognitive Neuroscience Society Annual Meeting, New York, NY, USA.*

- *Webb, C.E., Visscher, K.M., Dennis, N.A., Ross, L.A. (2016). Changes in neural substrates results from speed of processing training in older adults. *Poster presented at the 2016 Cognitive Aging Conference, Atlanta, GA.*
- Webb, C.E. & Dennis, N.A. (2016). Examining the role of schemas in retrieval success. *Poster presented at the 2016 Cognitive Neuroscience Society Conference, New York, NY.*
- *Turney, I.C., & Dennis, N.A. (2016). A Systematic measure of perceptual relatedness in false. *Poster presented at the 2016 Cognitive Neuroscience Conference, New York, NY.*
- *Turney, I.C., Kurkela, K.A., & Dennis, N.A., (2016). Age-related changes in the role of perceptual overlap in false memories. *Poster presented at the Cognitive Aging Conference, Atlanta, GA.*
- *Huhn III, J.M., Dennis, N.A., Steinsiek, A.B., Overman, A. (2016). Not all associations age equally: Presentation format affects associative binding in older adults. *Poster presented at the Cognitive Aging Conference, Atlanta, Georgia.*
- Kurkela, K. A. & Dennis, N.A. (April, 2016), Event-related fMRI studies of false memory: an activation likelihood estimation meta-analysis. *Poster to be presented at the Cognitive Neuroscience Society Annual Meeting, New York, NY, USA.*
- Dennis, N.A. (2016). The influence of gist processing to both true and false memories. *Talk presented at the International Conference of Memory, Budapest, Hungary.* [symposium co-organizer with Angela Gutches: Factors that enhance and disrupt memory]
- Dennis, N.A. (2016). The influence of gist processing to both true and false memories. *Talk presented at the International Society for Behavioral Neuroscience, Dubrovnik, Croatia.*
- Dennis, N.A. (2016). Memory is in the details. *Talk presented at the Cognitive Aging Conference, Atlanta Georgia*
- *Grant, A. & Dennis, N.A. (2015). “Speeded Source Memory Performance in Young Adult Bilinguals” *Poster presented at the Association for Psychological Science Conference, New York City.*
- *Bowman, C.R. & Dennis, N.A. (2015). Recall-to-reject: The neural correlates of false memory suppression using true recollection. *Poster presented at the 22nd Annual Cognitive Neuroscience Society Meeting, San Francisco, CA.*
- Overman, A.A., Dennis, N.A., Steinsiek, A., & Cesar, L. (2015). Same Face, Same Place, Different Memory: Item and contextual binding in older and younger adults. *Poster presented at the North Carolina Cognition Group Conference, Elon, NC.*
- *Turney, I.C., *Johnson, C.E., & Dennis, N.A. (2014). Exploring the neural correlates of true and false memory for conceptual pictures in older adults. *Talk presented at the 2014 Society for Neuroscience Conference, Washington, D.C.*
- *Johnson, C.E., *Turney, I.C., & Dennis, N.A. (2014). Examining the influence of thematic information on retrieval success. *Talk presented at the 2014 Society for Neuroscience Conference, Washington, D.C.*
- Dennis, N.A. (2014). Exploring the neural correlates of true and false memory for conceptual pictures in

young and older adults. *Talk presented at the 2014 International Society for Behavioral Neuroscience, Amsterdam, The Netherlands*

- *Rizio, A.A. & Dennis, N.A. (2014). Cognitive control of memory and motor response: A comparison of networks supporting active inhibition. *Poster presented at the 21st Annual Cognitive Neuroscience Society Conference, Boston, MA.*
- *Bowman, C.R., *Turney, I.C., Dennis, N.A., & Adams, R.B., Jr. (2014). The effects of face age on memory encoding: neural similarities and differences in activity and functional connectivity. *Poster presented at the 21st Annual Cognitive Neuroscience Society Meeting, Boston, MA.*
- *Johnson, C.E., *Turney, I.C., & Dennis, N.A. (2014). Exploring the neural correlates of true and false memory for conceptual pictures. *Poster presented at the 21st Annual Cognitive Neuroscience Society Conference, Cognitive Neuroscience Society, Boston, MA.*
- *Rizio, A.A., *Hoagey, D.A., & Dennis, N.A. (2014). Anticipating Inhibitory Control: The Effectiveness of Cue Placement in the Directed Forgetting Paradigm. *Poster presented at the 2014 Cognitive Aging Conference, Atlanta, GA.*
- *Turney, I.C., Maillet, D., *Johnson, C.E., Dennis, N.A., Rajah, M.N. (2014). Exploring the influence of encoding format on subsequent memory for related information in older and younger adults. *Poster presented at the 2014 Cognitive Aging Conference, Atlanta GA.*
- *Johnson, C.E., Peterson, K.M., & Dennis, N.A. (2014). Exploring the neural correlates of item familiarization in novelty detection of relational information. *Poster presented at the 20th Annual Cognitive Neuroscience Society Conference, Cognitive Neuroscience Society, San Francisco, CA.*
- *Bowman, C.R. & Dennis, N.A. (2013). The neural correlates mediating age deficits in novelty detection. *Poster presented at the 20th Annual Cognitive Neuroscience Society Conference, Cognitive Neuroscience Society, San Francisco, CA.*
- Peterson, K.M., *Johnson, C.E., & Dennis, N.A. (2013). The effects of item familiarity on the neural correlates of successful relational memory encoding. *Poster presented at the 20th Annual Cognitive Neuroscience Society Conference, Cognitive Neuroscience Society, San Francisco, CA.*
- *Franklin, R. G., Dennis, N. A., & Adams, R. (2013). The Role of Mentalizing in Face Memory. *Poster presented at Social Affective Neuroscience Conference.*
- Dennis, N.A. (2012). Investigating the neural correlates mediating true and false memories in aging. *Talk presented at the 2012 International Society for Behavioral Neuroscience, Half Moon Bay, CA.*
- *Rizio, A.A., & Dennis, N.A. (2012). The cognitive control of memory: Age differences in the neural correlates of successful remembering and intentional forgetting. *Poster presented at the 2012 Cognitive Aging Conference, Atlanta, GA.*
- *Bowman, C.R., Peterson, K.M. & Dennis, N.A. (2012). The neural correlates mediating true and false recollection in younger and older adults. *Poster presented at the 2012 Cognitive Aging Conference, Atlanta, GA.*

- *Rizio, A.A., & Dennis, N.A. (2012). Age differences in the retrieval of previously forgetting information: The neural correlates of intentional forgetting and inhibitory control. *Poster presented at the 19th Annual Conference of the Cognitive Neuroscience Society, Chicago, IL.*
- *Bowman, C.R., Peterson, K.M. & Dennis, N.A. (2012). The effects of item relatedness on the neural correlates of novelty detection. *Poster presented at the 19th Annual Cognitive Neuroscience Society Meeting, Chicago, IL.*
- Rizio, A. A. & Dennis, N.A. (2011). The neural correlates of cognitive control: Successful remembering and intentional forgetting. *Poster presented at the 41st Annual Society for Neuroscience Conference, Washington, D.C.*
- *Bowman, C.R., Vandekar, S.N. & Dennis, N.A. (2011). Neural correlates mediating true and false recollection. *Poster presented at the 41st Annual Society for Neuroscience Conference, Washington, D.C.*
- Bulter, A. C., Dennis, N.A. & Marsh, E. (2011). Inferring Facts From Fiction: Reading Correct and Incorrect Information Affects Memory for Related Information. *Poster presented at the 52nd Annual Meeting of the Psychonomic Society, Seattle, Washington.*
- *Rizio, A. A., Dennis, N.A., & Cabeza, R. (2010). Learning while remembering: neural correlates of successful encoding during retrieval in young and older adults. *Poster presented at the 13th Cognitive Aging Conference, Atlanta, GA.*
- Dennis, N.A., Madden, D.J. & Cabeza, R. (2009). Effect of encoding task on age-related differences in neural activity during encoding and retrieval. *Poster presented at the 39th Annual Society for Neuroscience Conference, Chicago, IL.*
- Dennis, N.A., Madden, D.J., Kragel, J. & Cabeza, R. (2008). Successful transient and sustained activity associated with incidental and intentional encoding. *Poster presented at the 38th Annual Society for Neuroscience Conference, Washington DC.*
- Dennis, N.A. (2008). Age differences in the neural correlates of true and false memories: evidence from encoding and retrieval. *Symposium talk presented at the 49th Annual Meeting of the Psychonomic Society, Chicago, IL.*
- Browndyke, J.N., Dennis, N.A., Stokes, J., Welsh-Bohmer, K., Burke, J.R., Goldstein, D. & Cabeza, R. (2008) Genetic Risk for Alzheimer's Disease Influences Brain Activity in Young Adults. *Poster presented at the 11th International Conference on Alzheimer's Disease, Chicago IL.*
- Browndyke, J.N., Burke, J.R., Dennis, N.A., Cabeza, R., & Welsh-Bohmer, K. (2008) AChEI Dose-response Effects on the Neural Correlates of Semantic Memory: Preliminary Pharmacological fMRI Data. *Poster presented at the 11th International Conference on Alzheimer's Disease, Chicago IL.*
- Dennis, N.A. & Cabeza, R. (2008). Age-Related Dedifferentiation of Memory Systems: An fMRI Study of Explicit and Implicit Learning. *Poster presented at the 12th Cognitive Aging Conference, Atlanta, GA.*
- Dennis, N.A., Cabeza, R., Need, A., Waters, S., Goldstein D.B., & LaBar, K.S. (2008). Brain-derived neurotrophic factor Val66Met polymorphism and hippocampal activation during episodic encoding and retrieval tasks. *Poster presented at the 15th Annual Cognitive Neuroscience Society Conference, San Francisco, CA.*

Costello, M.C., Madden, D.J., Spaniol, J., Dennis, N.A., Bucur, B., Cabeza, R., Provenzale, J.M., & Huettel, S.A. (2008). Adult Age Differences in Cortical Activation During Task-Switching. *Poster presented at the 15th Annual Cognitive Neuroscience Society Conference, San Francisco, CA.*

Prince S.E., Daselaar, S.M., Dennis, N.A. & Cabeza, R. (2007). The default mode enigma: Activity in lateral parietal and posterior midline regions is beneficial for episodic retrieval but detrimental to encoding. *Poster presented at the 14th Annual Cognitive Neuroscience Society Conference, New York, NY.*

Dennis, N.A., Waters, S.W., Need, A., LaBar, K.S., Goldstein D.B., & Cabeza, R. (2007). Effects of COMT genotypes on prefrontal and hippocampal activity during successful relational memory encoding and retrieval. *Poster presented at the 14th Annual Cognitive Neuroscience Society Conference, New York, NY.*

Davis, S.W., Dennis, N.A., Thomas, V.A., Emery, M.R. Tarter, A.B., White, L.E., Madden, D.J., & Cabeza, R. (2007). Assessment of age-related changes in white-matter structure using DTI and tensor-based tractography. *Poster presented at the 14th Annual Cognitive Neuroscience Society Conference, New York, NY.*

Hayes, S.M. Dennis, N.A., Prince, S.E., Huettel, S.A., Madden, D.J., & Cabeza, R. (2007). Effects of aging on neural correlates of item and relational memory. *Poster presented at the 14th Annual Cognitive Neuroscience Society Conference, New York, NY.*

Dennis, N.A., Kim, H., Cabeza, R. (2006). The neural basis of true and false recognition in aging. *Talk presented at the 36th Annual Society for Neuroscience Conference.*

Davis, S.W., Dennis, N.A., Cabeza, R. (2006) Que PASA?: the posterior-anterior shift in aging. *Poster presented at the 36th Annual Society for Neuroscience Conference, Atlanta, GA.*

Dennis, N.A., Kim, H. & Cabeza, R. (2006) Age differences in true and false memory formation: and fMRI study. *Poster presented at the 11th Cognitive Aging Conference, Atlanta, GA.*

Professional Service

Treasurer, International Society for Behavioural Neuroscience: (2016-)

Panel Member, NIH Learning and Memory, Language, Communication and Related Neurosciences panel (F01B) (2016 -)

Associate Editor: *Memory* (2015-)

Ad hoc Reviewer: *Cerebral Cortex* • *Journal of Experimental Psychology: Learning Memory & Cognition* • *NeuroImage* • *Neurobiology of Aging* • *Psychology & Aging* • *Journal of Cognitive Neuroscience* • *Neuropsychologia* • *Neuroscience & Behavioral Reviews* • *Brain Research* • *Hippocampus* • *Cognitive, Affective, & Behavioral Neuroscience* • *Aging, Neuropsychology & Cognition* • *Cortex* • *Memory* • *Journal of Geriatric Psychiatry and Neurology* • *Experimental Aging Research* • *Brain Imaging and Behavior* • *Cognition & Emotion* • *Psychological Science* • *Cognitive Neuroscience*

National Science Foundation

American Federation for Aging Research

National Institute of Health

Membership in Professional Organizations

Society for Neuroscience
 Cognitive Neuroscience Society
 American Psychological Association (Div 20 member)
 Psychonomic Society (Fellow)
 International Society for Behavioural Neuroscience

Invited Talks (selected 2009-present)

November 2016. The cognitive and neural basis of false memories in young and older adults. Department of Psychology, Brandeis University.
 September 2016. Memory in Healthy Aging. Osher Lifelong Learning Institute at Penn State. State College, PA.
 May 2014. False Memories and Cognitive Control: Studies from the CANLAB. The Center for Brain, Behavioral, & Cognition, Penn State University.
 October 2013. How remembering changes as we age. The Becoming Center, Philadelphia PA.
 October 2013. Why do we remember things that never happened? Understanding false memories. Department of Psychology, Bucknell University.
 August 2013. Tailoring Memory Making: Memory in Healthy Aging. The Center for Healthy Aging Lecture Series, Penn State University.
 June 2013. False Memories in Aging. McGill Centre for Studies in Aging and the Douglas Brain Imaging Centre, Montreal, Canada.
 April 2011. Oh the places you'll go. How do I get there...And what do I do when I get there? Psi Chi Guest Speaker, Rider University.
 March 2010. Contributions of Genetic Neuroimaging to the Study of Memory. Social, Life, and Engineering Sciences Imaging Center (SLEIC), Penn State University.
 April 2009. Cognitive Aging: Insights through neuroimaging. Departmental Area, Department of Psychology, Penn State University.
 April 2009. Cognitive Aging: Insights through neuroimaging. Gerontology Center, Penn State University.

Teaching Experience

2016(Fall) Graduate Proseminar in Cognitive Psychology, (Psych 524), Penn State University
 2016(Fall) Learning and Memory (Psych 452), Penn State University
 2016(Spring) Graduate Seminar: Cognitive Neuroscience of Memory & Aging, (Psych 525), Penn State University
 2016(Spring) Learning and Memory (Psych 452), Penn State University
 2015(Spring) Senior Seminar: False Memory & Eyewitness Testimony (Psych 490), Penn State University
 2015(Spring) Learning and Memory (Psych 452), Penn State University
 2014(Spring) Senior Seminar: False Memory & Eyewitness Testimony (Psych 490), Penn State University
 2014(Spring) Learning and Memory (Psych 452), Penn State University
 2013(Fall) Learning and Memory (Psych 452), Penn State University
 2013(Spring) Learning and Memory (Psych 452), Penn State University
 2012(Fall) Graduate Seminar: Cognitive Neuroscience of Memory, (Psych 525), Penn State University
 2012(Fall) Learning and Memory (Psych 452), Penn State University
 2012(Spring) Learning and Memory (Psych 452), Penn State University
 2011(Fall) Graduate Proseminar in Cognitive Psychology, (Psych 524), Penn State University
 2010(Fall) Graduate Seminar: Cognitive Pro-seminar (Psych 524), Penn State University

2010(Fall) Learning and Memory (Psych 452), Penn State University
2010(Spring) Introduction to Cognitive Psychology (Honors) (Psych 256H), Penn State University
2009(Fall) Graduate Seminar: Cognitive Neuroscience of Memory, (Psych 525), Penn State University
2009(Fall) Senior Seminar: Cognitive Neuroscience of Memory (Psych 490), Penn State University
2009(Spring) Senior Seminar: Cognitive Neuroscience of Memory (Psych 490), Penn State University
2008 Senior Seminar: Cognitive Aging (Psych 490), Penn State University
2008 Lecturer, Principles of Cognitive Neuroscience (undergraduate), Duke University
2007 Lecturer, Principles of Cognitive Neuroscience (graduate), Duke University

Student Mentorship

Dissertation Committee

Current

John Huhn (Chair)
Christina Webb (Chair)
Indira Turney (Chair)
Angela Grant (Member)
Umesh Venkatesan (Member)

Past

Anthony Nelson (Member)
Caitlin Bowman (Chair)
Avery Rizio (Chair)
Christopher Stevens (Member)
Kathy Chiou (Member)
Robert Franklin (Member)
Matthew Zawadzki (Member)

Masters Committee

Current

Troy Steiner (member)

Past

Rachel Barrier (Member)
Christina Webb (Chair)
Indira Turney (Chair)
Caitlin Bowman (Chair)
Avery Rizio (Chair)
Umesh Venkatesan (Member)
Victoria Merritt (Member)
Anthony Nelson (Member)
Christopher Stevens (Member)
Chase Coehlo (Member)

Breadth Project Advisor (graduate)

Current

Past

Umesh Venkatesan
Angela Grant
Anthony Nelson

Emily Coyle
Cari Bogulski
Christopher Stevens

Honors Thesis Advisor (Undergraduate)

Current

Casey Ryan

Past

Shalome Sine
Alexandra Manbeck
William Crozier
Courtney Allen
Ethan Zimmerman
Deepa Ramsey
Jonathan Harris