

University of Virginia
Department of Psychology
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ACADEMIC POSITIONS

2025 - present	Associate Professor Department of Psychology University of Virginia
2019 - 2025	Assistant Professor Department of Psychology University of Virginia

EDUCATION AND TRAINING

2015 - 2018	Post-doctoral Research Associate University of Oregon, Department of Psychology Advisor: Brice Kuhl
2010 - 2015	University of Pennsylvania, Philadelphia Ph.D., Psychology Advisor: Michael Kahana
2008 - 2010	Research Assistant/Lab Manager Brown University, Department of Cognitive & Linguistic Sciences Advisor: David Badre
2005 - 2008	New York University, New York B.A., Psychology (Summa Cum Laude, High Honors) Advisor: Lila Davachi

RESEARCH FUNDING

Current

Title: "Multivariate Decoding of the Retrieval Brain State Across Cognition"
Funding Agency: NIH-NINDS
Award Number: R01NS132872
Period: 6/1/2023 – 5/31/2028
Amount: \$1,250,000 Direct Costs awarded
Role: PI

Completed

Title: "Executive control deficits and memory brain state engagement in healthy aging"
Funding Agency: UVA Brain Institute
Period: 11/15/2023 – 6/30/2025
Amount: \$35,000 Direct Costs awarded
Role: PI

Title: "Mnemonic brain states and selective memory deficits in healthy aging"

Funding Agency: NIH-NCATS

Award Number: KL2TR003016

Period: July 2020 – June 2022

Amount: \$249,317

Role: iTHRIV KL2 Scholar Investigator

HONORS AND AWARDS

2023	Elected to the Memory Disorders Research Society
2020	Selected as an Invited Scholar in the integrated Translational Research Institute of Virginia (iTHRIV) Scholar Program
2019	APS Rising Star Award
2018	Early Career Award, Society for Experimental Psychology and Cognitive Science (Div 3)
2017	SfN Trainee Professional Development Award
2010	NIH Computational Neuroscience Training Grant Trainee
2008	NYU Undergraduate Research Conference poster winner

TEACHING EXPERIENCE

Cognitive Neuroscience (PSYC2160), University of Virginia (Spring 2019, Fall 2019, Fall 2020)

Cognitive Neuroscience (PSYC3160), University of Virginia (Fall 2021, Fall 2022, Fall 2023, Fall 2024, Fall 2025, Fall 2026)

Grant Writing Seminar (PSYC7559), University of Virginia (Spring 2025)

Research Methods in Electroencephalography (PSYC5500), University of Virginia (Spring 2020, Spring 2024)

PROFESSIONAL MEMBERSHIPS

Cognitive Neuroscience Society
Memory Disorders Research Society
Society for Neuroscience

PUBLICATIONS

Work in progress

Buras, H. R., Han, S. and **Long, N. M.** Healthy aging, processing speed, and mnemonic brain state engagement. Preprint. DOI: <https://doi.org/10.64898/2026.04.28.721318>

Long, N. M. Domain general mnemonic-attentional brain states fluctuate on sub-second timescales. Preprint. DOI: <https://doi.org/10.64898/2026.07.21.739572>

Smith, D. E. and **Long, N. M.** Successful retrieval is its own reward. Preprint. DOI: <https://doi.org/10.1101/2024.07.26.605274v1>

Refereed Journal Articles

1. Nguyen, DT and **Long, N. M.** (In press) Working memory demands modulate memory brain state engagement. *iScience*

2. Bair, M. B. and **Long, N. M.** (In press) A shared brain state for episodic and semantic retrieval. *Journal of Neuroscience*
3. Smith, D. E., Smith, A. M., Buras, H. R., and **Long, N. M.** (2026) Repeated extrinsic rewards following retrieval practice facilitate later memory. *Psychonomic Bulletin & Review*. 33:126
4. Han, S. and **Long, N. M.** (2025) Evidence for a reactionary account of retrieval state initiation. *Imaging Neuroscience*, 3
5. Moore, I. L., Smith, D. E. and **Long, N. M.** (2025) Mnemonic brain state engagement is diminished in healthy aging. *Neurobiology of Aging*. 151.
6. Wheelock, J. R. and **Long, N. M.** (2024) Prior memory responses modulate behavior and brain state engagement. *Communications Psychology*. 2:121
7. Smith, D. E. and **Long, N. M.** (2024) Top-down task goals induce the retrieval state. *Journal of Neuroscience*. 44 (31)
8. Smith, D. E., Wheelock, J. R. and **Long, N. M.** (2024) Response-locked theta dissociations reveal potential feedback signal following successful retrieval. *Imaging Neuroscience*, 2
9. Moore, I. L. and **Long, N. M.** (2024) Semantic associations restore neural encoding mechanisms. *Learning & Memory*. 31(3)
10. Kahana, M. J., Lohanas, L. J., Healey, M. K., Aka, A., Broitman, A. W., Crutchley, P., Crutchley, E. Alm, K. H., Katerman, B. S., Miller, N. E., Kuhn, J. R., Li, Y., **Long, N. M.**, Miller, J., Paron, M. D., Pazdera, J. K., Pedisich, I., Weidemann, C. T. (2024) The Penn Electrophysiology of Encoding and Retrieval Study. *Journal of Experimental Psychology: Learning, Memory, & Cognition*. 50(9). 1421–1443
11. **Long, N. M.** (2023) The intersection of the retrieval state and internal attention. *Nature Communications*. 14:3861
12. Hong, Y., Smith, D. E., Moore, I. L. and **Long, N. M.** (2023) Spatiotemporal dynamics of memory encoding and memory retrieval states. *Journal of Cognitive Neuroscience*. 35:9
13. Smith, D. E., Moore, I. L. and **Long, N. M.** (2022) Temporal context modulates encoding and retrieval of overlapping events. *Journal of Neuroscience*, 42 (14), 3000–3010
14. **Long, N. M.** & Kuhl, B. A. (2021) Cortical representations of visual stimuli shift locations with changes in memory states. *Current Biology*, 31 (5), 1119–1126
15. **Long, N. M.** and Kuhl, B. A. (2019) Decoding the tradeoff between encoding and retrieval to predict memory for overlapping events. *NeuroImage*, 201
16. Healey, M. K., **Long, N. M.**, and Kahana, M. J. (2019) Contiguity in Episodic Memory. *Psychonomic Bulletin and Review*. 26, 699–720
17. **Long, N. M.** and Kuhl, B. A. (2018) Bottom-up and top-down factors differentially influence stimulus representations across large-scale brain networks. *Journal of Neuroscience*, 38 (10), 2495–2504
18. **Long, N. M.**, Sperling, M. R., Worrell, G. A., Davis, K. A., Lucas, T. H., Lega, B. C., Jobst, B. C., Sheth, S. A., Zaghloul, K., Stein, J. M., Das, S. R., Gorniak, R., and Kahana, M. J. (2017) Contextually mediated spontaneous retrieval is specific to the hippocampus. *Current Biology*, 27 (7), 1074–1079
19. **Long, N. M.** and Kahana, M. J. (2017) Modulation of task demands suggests that semantic processing interferes with the formation of episodic associations. *Journal of Experimental Psychology: Learning, Memory & Cognition*, 43, 167–176
20. **Long, N. M.**, Lee, H. and Kuhl, B. A. (2016) Hippocampal mismatch signals are modulated by the strength of neural predictions and their similarity to outcomes. *Journal of Neuroscience*, 36 (50), 12677–12687

21. **Long, N. M.** and Kahana, M. J. (2015) Successful memory formation is driven by contextual encoding in the core memory network. *NeuroImage*, 119, 332–337, doi:10.1016/j.neuroimage.2015.06.073
22. **Long, N. M.**, Danoff, M. S., and Kahana, M. J. (2015) Recall dynamics reveal the retrieval of emotional context. *Psychonomic Bulletin and Review*, 22(5), 1328–1333.
23. Badre, D., Lebrecht, S., Pagliaccio, D., **Long, N. M.**, and Scimeca, J. M. (2014). Ventral striatum and the evaluation of memory retrieval strategies. *Journal of Cognitive Neuroscience*, 26 (9), 1928–1948, doi:10.1162/jocn.a.00596
24. **Long, N. M.**, John F. Burke, and Michael J. Kahana (2014). Subsequent memory effect in intracranial and scalp EEG. *NeuroImage*, 84, 488–494, doi:10.1016/j.neuroimage.2013.08.052
25. Burke, J. F., **Long, N. M.**, Zaghoul, K. A., Sharan, A. D., Sperling, M. R., and Kahana, M. J (2013). Human intracranial high-frequency activity maps episodic memory formation in space and time. *NeuroImage*, 85 Pt. 2, 834–843. doi: 10.1016/j.neuroimage.2013.06.067
26. Badre, D., Doll, B. B., **Long, N. M.**, and Frank, M. J. (2012). Rostrolateral prefrontal cortex and individual differences in uncertainty-driven exploration. *Neuron*, 73, 595–607.
27. Kang, H., Ombao, H., Linkletter, C., **Long, N.M.**, and Badre, D. (2012). Spatiospectral mixed effects model for functional Magnetic Resonance Imaging data. *Journal of the American Statistical Association*, 107(498), 568–577.
28. **Long, N.M.**, Öztekin, I., and Badre, D. (2010) Separable prefrontal cortex contributions to free recall. *Journal of Neuroscience*, 30, 10967–10976.
29. Öztekin, I., **Long, N.M.**, and Badre, D. (2010) Optimizing design efficiency of free recall events for fMRI. *Journal of Cognitive Neuroscience*, 22, 2238–2250.

Invited Reviews and Chapters

1. **Long, N. M.** and Kuhl, B. A. (2020) When the memory system gets ahead of itself. *Trends in Cognitive Sciences (Spotlight)*.
2. **Long, N. M.** and Kahana, M. J. (2019) Hippocampal contributions to serial-order memory. *Hippocampus*, 29, 252–259
3. **Long, N. M.**, Kuhl, B. A., and Chun, M. M. (2018). Memory and Attention. In J. T. Wixted, E. Phelps & L. Davachi (Eds), *The Stevens' Handbook of Experimental Psychology and Cognitive Neuroscience* (4th Edition, Volume 1: Learning & Memory). New York: Wiley.
4. Kuhl, B. A. and **Long, N. M.** (2017) Sampling memory to make profitable choices. *Nature Neuroscience (News and Views)*, 20 (7), 903–904.

INVITED TALKS

1. **Long, N. M.** (March, 2026) A multivariate brain state for directing the mind's eye inward. Current Works in Human Neuroscience series, Yale University.
2. **Long, N. M.** (November, 2025) Remembrance of things past: How control, age, and attention impact retrieval brain state engagement. Friday Forum, Department of Psychology, New Mexico State University.
3. **Long, N. M.** (March, 2024) How top-down demands modulate memory brain state engagement. North Carolina Cognition Conference.
4. **Long, N. M.** (February, 2023) The intersection of memory brain states and the attention system. Human Factors Virtual Colloquium Series, Department of Ergonomics, Leibniz Research Centre for Working Environment.

5. **Long, N. M.** (November, 2021) Memory encoding and memory retrieval: Global brain states with distinct neural correlates that are driven by top-down and bottom-up factors. Cognitive Forum, Department of Psychology, Michigan State University.
6. **Long, N. M.** (November, 2020) "I'm in an encoding state of mind": Neural mechanisms of memory formation. Cognition Workshop, Department of Psychology, University of Chicago.

CONFERENCE PRESENTATIONS

1. Masís-Obando, R., **Long, N. M.**, Honey, C., Chen, J. (July 2026). Classification of encoding and retrieval neural states during extended naturalistic tasks. Talked presented at NeuroErgonomics.
2. Masís-Obando, R., **Long, N. M.**, Eckles, K., Seewald, J., Honey, C., Chen, J. (May 2026). Classification of encoding and retrieval neural states during extended naturalistic tasks. Poster presented at the Context and Episodic Memory Symposium.
3. Han, S. and **Long, N. M.** (May, 2026) Investigating the relationship between external attention and the encoding state. Poster presented at the Context and Episodic Memory Symposium.
4. Nguyen, D.T. and **Long, N. M.** (May, 2026) Mnemonic brain states map onto external and internal attentional states. Poster presented at the Context and Episodic Memory Symposium.
5. Fuentes Brock, L. and **Long, N. M.** (April, 2026) Age-related changes in the spatiotemporal dynamics of mnemonic states. Talk given at the University of Virginia Fozdar Symposium.
6. Cassidy, L. and **Long, N. M.** (April, 2026) Evidence for load-dependent alpha power increases during a visual working memory task. Talk given at the University of Virginia Fozdar Symposium.
7. Bair, M. and **Long, N. M.** (March, 2026) Semantic and episodic memory retrieval as internal attention. Poster presented at the 33rd Cognitive Neuroscience Society meeting.
8. Nguyen, D.T. and **Long, N. M.** (March, 2026) Working memory demands modulate brain state engagement. Poster presented at the 33rd Cognitive Neuroscience Society meeting.
9. **Long, N. M.** (October, 2025) Identification of a content-general reactionary retrieval state. Talk given at the Memory Disorders Research Society meeting.
10. Smith, A. M., Smith, D. E. and **Long, N. M.** (April, 2025) The impact of practice-phase rewards on later memory. Poster presented at the University of Virginia Undergraduate Research Symposium.
11. Moore, I. L. and **Long, N. M.** (March, 2025) Effects of aging on semantic and episodic contributions to false memory. Poster presented at the 32nd Cognitive Neuroscience Society meeting.
12. Han, S. and **Long, N. M.** (March, 2025) Investigating the time course of retrieval initiation. Poster presented at the 32nd Cognitive Neuroscience Society meeting.
13. Buras, H., Han, S., and **Long, N. M.** (March, 2025) Executive control deficits and memory brain state engagement in healthy aging. Poster presented at the 32nd Cognitive Neuroscience Society meeting.
14. Moore, I. L. and **Long, N. M.** (October, 2024) Effects of aging on semantic and episodic contributions to false memory. Poster presented at the 53rd Society for Neuroscience meeting.
15. Han, S. and **Long, N. M.** (October, 2024) Investigating the time course of retrieval initiation. Poster presented at the 53rd Society for Neuroscience meeting.
16. Buras, H., Han, S., and **Long, N. M.** (October, 2024) Executive control deficits and memory brain state engagement in healthy aging. Poster presented at the 53rd Society for Neuroscience meeting.
17. **Long, N. M.** (May, 2024) Bottom up or top down? How to induce the retrieval state. Talk given at the Context and Episodic Memory Symposium.

18. Moore, I. L. and **Long, N. M.** (May, 2024) Effects of aging on memory brain state dynamics. Data blitz given at the Context and Episodic Memory Symposium.
19. Smith, D. E. and **Long, N. M.** (May, 2024) Multivariate decoding of memory retrieval feedback signals. Poster presented at the Context and Episodic Memory Symposium.
20. Moore, I. L. and **Long, N. M.** (April, 2024) Effects of aging on memory brain state dynamics. Talk given at the Central Virginia Chapter of the Society for Neuroscience meeting.
21. Fuentes Brock, L., Moore, I. L. and **Long, N. M.** (April, 2024) Effects of aging on semantic and episodic contributions to memory behavior. Poster presented at the University of Virginia Undergraduate Research Symposium.
22. Moore, I. L. and **Long, N. M.** (November, 2023) Age effects on the encoding and retrieval of overlapping events. Poster presented at the 52nd Society for Neuroscience meeting.
23. Smith, D. E. and **Long, N. M.** (November, 2023) Response-locked theta power tracks successful retrieval independent of memory goals. Poster presented at the 52nd Society for Neuroscience meeting.
24. Wheelock, J. R. and **Long, N. M.** (November, 2023) Memory decisions modulate ongoing performance and brain state engagement. Poster presented at the 52nd Society for Neuroscience meeting.
25. **Long, N. M.** (September, 2023) The role of the retrieval brain state in cognition. Talk given at the Memory Disorders Research Society meeting.
26. Moore, I. L. and **Long, N. M.** (April, 2023) Effects of aging on the encoding and retrieval of overlapping events. Talk given at the Central Virginia Chapter of the Society for Neuroscience meeting.
27. Smith, D. E. and **Long, N. M.** (April, 2023) Theta power dissociations in episodic memory retrieval independent of memory goals. Talk given at the Central Virginia Chapter of the Society for Neuroscience meeting.
28. Wheelock, J. R. and **Long, N. M.** (April, 2023) The sustained effects of episodic memory decisions. Talk given at the Central Virginia Chapter of the Society for Neuroscience meeting.
29. Wheelock, J. R. and **Long, N. M.** (April, 2023) The lingering effects of memory decisions on ongoing behavior. Talk given at the University of Virginia Undergraduate Research Symposium.
30. Moore, I. L. & **Long, N. M.** (February, 2023) Memory brain state engagement differs across the lifespan. Poster presented at the Dallas Aging and Cognition Conference.
31. **Long, N. M.** (May, 2022) To encode or retrieve, that is the question: How memory states tradeoff and what it means for you. Talk given at the Context and Episodic Memory Symposium.
32. Moore, I. L. & **Long, N. M.** (May, 2022) Memory brain state engagement differs across the lifespan. Poster presented at the Context and Episodic Memory Symposium.
33. Smith, D. E. & **Long, N. M.** (May, 2022) Theta power dissociates hits and correct rejections independent of memory goals. Poster presented at the Context and Episodic Memory Symposium.
34. Wheelock, J. R., Smith, D. E. & **Long, N. M.** (May, 2022) Response-locked neural dissociations in a recognition memory task. Poster presented at the Program in Fundamental Neuroscience Retreat.
35. Meyer, William M., Moore, I. L., & **Long, N. M.** (April, 2022) Semantic and episodic contributions to false memory formation. Poster presented at the University of Virginia Undergraduate Research Symposium.
36. Moore, I. L. & **Long, N. M.** (November, 2021) Multivariate decoding of memory brain states across the lifespan. Poster presented at the 50th Society for Neuroscience meeting.
37. Smith, D. E., Moore, I. L., & **Long, N. M.** (November, 2021) Temporal context modulates encoding and retrieval of overlapping events. Poster presented at the 50th Society for Neuroscience meeting.

38. Moore, I. L. & **Long, N. M.** (August, 2021) Study-phase mechanisms of memory organization in free recall. Poster presented at the Context and Episodic Memory Symposium.
39. Hong, Y., Moore, I. L., Smith, D. E., & **Long, N. M.** (August, 2021) Electrophysiological signatures of memory encoding and memory retrieval states. Poster presented at the Context and Episodic Memory Symposium.
40. Moore, I. L. & **Long, N. M.** (August, 2020) Differential processing of semantic associates modulates memory in free recall. Poster presented at the Context and Episodic Memory Symposium.
41. Smith, D. E. & **Long, N. M.** (August, 2020) Semantic associations modulate episodic encoding signals and subsequent recognition memory. Poster presented at the Context and Episodic Memory Symposium.
42. Tremblay-McGaw, A. G. & Kuhl, B. A., & **Long, N. M.** (March, 2019) Decoding biases between memory encoding and retrieval induced by recent experience. Poster presented at the 26th Cognitive Neuroscience Society meeting.
43. **Long, N. M.**, Favila, S. E., & Kuhl, B. A. (November, 2018) The cortical locus of stimulus representations is influenced by the state of the memory system. Poster presented at the 48th Society for Neuroscience meeting.
44. **Long, N. M.** and Kuhl, B. A. (May, 2018) Signatures of successful encoding depend on the state of the memory system. Talk given at the Context and Episodic Memory Symposium.
45. **Long, N. M.**, Drascher, M. L., & Kuhl, B. A. (November, 2017) Spatiotemporal neural activity dissociates encoding and retrieval states. Poster presented at the 47th Society for Neuroscience meeting.
46. **Long, N. M.**, Sperling, M. R., Worrell, G. A., Davis, K. A., Lucas, T. H., Lega, B. C., Jobst, B. C., Sheth, S. A., Zaghoul, K., Stein, J. M., Das., S. R., Gorniak, R., and Kahana, M. J. (May, 2017) Contextually mediated spontaneous retrieval is specific to the hippocampus. Talk given at the Context and Episodic Memory Symposium.
47. **Long, N. M.**, Kuhl, B. A. (November, 2016) Fronto-parietal regions represent both abstract goals and goal-relevant feature information. Poster presented at the 46th Society for Neuroscience meeting.
48. Favila, S. E. **Long, N. M.**, Kuhl, B. A. (November, 2016) Stimulus-specific memory representations in lateral parietal cortex. Poster presented at the 46th Society for Neuroscience meeting.
49. **Long, N. M.**, Lee, H., Chun, M. M., Kuhl, B. A. (May, 2016) Hippocampal mismatch signals are modulated by the similarity between predicted and realized outcomes. Talk given at the Context and Episodic Memory Symposium.
50. Finn, B., Halderman, L., **Long, N. M.**, Lockwood, J. R., Kahana, M. J. (April, 2016) High gamma predicts engagement ratings but not mental effort ratings. Poster presented at the 23rd Cognitive Neuroscience Society meeting.
51. **Long, N. M.**, Kahana, M. J. (October, 2015) Modulation of task demands suggests that semantic processing interferes with the formation of episodic associations. Poster presented at the 45th Society for Neuroscience meeting.
52. **Long, N. M.**, Kahana, M. J. (May, 2015) Contextual encoding mechanisms in hippocampus and left lateral cortex support successful memory formation. Data blitz talk given at the Context and Episodic Memory Symposium.
53. Halderman, L., Finn, B., **Long, N. M.**, Pedisich, I., Crutchley, P., Kahana, M. J. (March, 2015) EEG correlates of engagement in an assessment context. Poster presented at the 22nd Cognitive Neuroscience Society meeting.
54. **Long, N. M.**, Kahana, M. J. (November, 2014) Spectral correlates of contextual processing during memory encoding. Poster presented at the 44th Society for Neuroscience meeting.

55. **Long, N. M.**, Kahana, M. J. (November, 2013) Neural correlates of memory encoding as a function of practice. Poster presented at the 43rd Society for Neuroscience meeting.
56. **Long, N. M.**, Kahana, M. J. (October, 2012) The neural correlates of temporal and semantic clustering during retrieval. Poster presented at the 42nd Society for Neuroscience meeting.
57. **Long, N. M.**, Kahana, M. J. (April, 2012) The encoding and retrieval neural mechanisms supporting temporal and semantic clustering in free recall. Poster presented at the 19th Cognitive Neuroscience Society meeting.
58. **Long, N. M.**, Miller, J. F., Sederberg, P. B., Kahana, M. J. (November, 2011) Neural correlates of temporal and semantic clustering in free recall. Poster presented at the 41st Society for Neuroscience meeting.
59. **Long, N. M.**, Miller, J. F., Sederberg, P. B., Kahana, M. J. (May, 2011) Neural correlates of temporal and semantic clustering in free recall. Poster presented at the Context and Episodic Memory Symposium.
60. **Long, N. M.**, Doll, B. B., Frank, M. J., Badre, D. (March, 2010). The neurocomputational mechanisms of exploratory and exploitative behavior. Poster presented at the 17th Cognitive Neuroscience Society meeting.
61. **Long, N. M.**, Öztekin, I., Badre, D. (October, 2009). An fMRI investigation of the neural mechanisms that support free recall. Poster presented at the 39th Society for Neuroscience meeting.
62. Lebrecht, S.F., Pagliaccio, D., **Long, N. M.**, Badre, D. (October, 2009). Ventrolateral prefrontal cortex contributions to rule-guided memory retrieval. Poster presented at the 39th Society for Neuroscience meeting.
63. Öztekin, I., **Long, N. M.**, and Badre, D. (March, 2009). Distinguishing events during free recall with fMRI. Poster presented at the 16th Cognitive Neuroscience Society meeting.
64. **Long, N. M.**, and Badre, D. (March, 2009). Testing hierarchical interactions in frontal cortex during cognitive control. Poster presented at the 16th Cognitive Neuroscience Society meeting.

SERVICE

Extramural

Conference Organization

2021 - 2026	Context and Episodic Memory Symposium	Committee Member
2023 - 2025	Central Virginia Chapter, Society for Neuroscience	Officer

Adhoc referee - Journals

Behavioural Brain Research, Brain, Brain Communications, Brain Research, Brain Structure and Function, Cerebral Cortex, Cognition, Cognition and Emotion, Cognitive Research: Principles and Implications, Communications Biology, Communications Psychology, Consciousness & Cognition, Cortex, eLife, eNeuro, Human Brain Mapping, iScience, Journal of Cognitive Neuroscience, Journal of Memory and Language, Journal of Neuroscience, Journal of Experimental Psychology: General, Journal of Experimental Psychology: Learning, Memory & Cognition, Learning and Memory, Memory, Memory & Cognition, Nature Communications, Nature Human Behavior, Neurobiology of Aging, Neurobiology of Learning & Memory, NeuroImage, Neuropsychologia, npj Science of Learning, Proceedings of the National Academy of Sciences, Psychological Review, Psychonomic Bulletin & Review, Psychophysiology, Trends in Cognitive Sciences

Adhoc referee - Grants

Jul 2026 Temporary Member, ZRG1-F34A-R (20), Study Section, NIH
 Apr 2026 Temporary Member, ZRG1-F01B-G (20) Study Section, NIH
 Jan 2026 Temporary Member, ZRG1-F01B-G (20) Study Section, NIH
 2025 NSF Review Panel
 Jul 2025 Temporary Member, ZRG1-F01B-D (20) Study Section, NIH
 Apr 2025 Temporary Member, Cognitive Disorders and Brain Aging (CDBA) Study Section, NIH
 Oct 2024 Temporary Member, Cognitive Disorders and Brain Aging (CDBA) Study Section, NIH
 Jun 2024 Temporary Member, ZRG1-F01B-M (20) Study Section, NIH
 Feb 2024 Temporary Member, Human Complex Mental Function (HCMF) Study Section, NIH
 Dec 2023 Special Emphasis Panel, BP-N (02), NIH
 July 2023 Special Emphasis Panel, ZRG1-BP-Y02, NIH
 Feb 2022 Templeton World Charity Foundation
 Jun 2021 Temporary Member, Human Complex Mental Function (HCMF) Study Section, NIH (Early Career Reviewer Program)

University

2026 - A&S Nominating Committee
 2026 - University Mentoring Program, Mentor
 2025 - Director of Graduate Admissions
 2025 A&S Seed Grant Review Committee
 2023 - 2025 NESC Undergraduate Curriculum Committee
 2023 - 2024 Colloquium Committee
 2022 - 2024 Steering Committee
 2022 - 2023 Graduate Recruitment Committee
 2020 - 2021 Colloquium Committee

ACADEMIC ADVISING

Current Trainees

Matthew Bair	2024 -	Research Coordinator
Verity Elliott	2026 -	Psychology Ph.D. student
Subin Han	2023 -	Psychology Ph.D. student
Rithik Kalikota	2025 -	Neuroscience B.A. student
DT Nguyen	2024 -	Psychology Ph.D. student
Theo Wilson	2023 -	Neuroscience B.A. student

Previous Trainees

		Role	Current Position
Hannah Buras	2023 - 2026	Research Coordinator	
Yuju Hong	2019 - 2022	Research Coordinator	<i>Graduate student, University of Wisconsin Milwaukee</i>
Isabelle Moore	2019 - 2025	Psychology Ph.D. student	<i>Postdoctoral Research Fellow, Boston College</i>

Awarded an NIH-NIA F31 for the proposal, "The contribution of semantic bias to false memory in healthy aging" (2023)

Selected as a fellow in the LIFE Academy (2022)

With William Meyer, received a DoubleHoo Award (2021) for the project, "Semantic and episodic contributions to false memory formation"

Devyn Smith	2019 - 2024	Psychology Ph.D. student	<i>Postdoctoral Scholar in the Center for Rehabilitation Research in Neurological Conditions at the Medical University of South Carolina</i>
Justin Wheelock	2020 - 2023	Neuroscience B.A. student	<i>Postgraduate Research Associate, Divisions of Stroke and Neurocritical Care & Emergency Neurology, Department of Neurology, Yale University School of Medicine</i>

Received the Harrison Undergraduate Research Award (2022) for the project, "Identifying the impact of sustained brain states on memory judgments."

Awarded a Summer Research Fellowship (2021) by the UVA Brain Institute for the project, "Assessing the neurophysiological correlates of forgetting during a recognition task"

Student committees**UNDERGRADUATE**

		Committee	Role
2026	Lola Fuentes Brock	Distinguished Majors Program Thesis	Primary Advisor
2026	Leah Cassidy	Distinguished Majors Program Thesis	Primary Advisor
2026	Amanda Smith	Distinguished Majors Program Thesis	Primary Advisor
2026	Emma Schoor	Distinguished Majors Program Thesis	Second Reader
2025	Shriya Varada	Distinguished Majors Program Thesis	Second Reader
2024	Jonathan Wu	Distinguished Majors Program Thesis	Second Reader
2023	Justin Wheelock	Distinguished Majors Program Thesis	Primary Advisor
2022	Lauren Kelso	Distinguished Majors Program Thesis	Second Reader
2020	John Hissong	Distinguished Majors Program Thesis	Second Reader
2020	Luke Cavanah	Distinguished Majors Program Thesis	Second Reader

GRADUATE

		Committee	Role
2026	DT Nguyen	Pre-dissertation	Chair
2026	Subin Han	Comprehensive Exam	Chair
2026	Jessica Gettleman	Dissertation Committee	Committee Member
2025	Subin Han	Pre-dissertation	Chair
2025	Austin Greene	Pre-dissertation	Second Reader
2025	Julie Mollica	Dissertation Committee	Committee Member
2024	Isabelle Moore	Dissertation Committee	Chair
2024	Christopher Hall	Comprehensive Exam	Chair
2023	Devyn Smith	Dissertation Committee	Chair
2023	Adam Fenton	Dissertation Committee	Committee Member
2022	Cabell Williams	Pre-dissertation	Second Reader
2022	Samantha Brindley	Comprehensive Exam	Committee Member
2022	Devyn Smith	Comprehensive Exam	Chair
2022	Isabelle Moore	Comprehensive Exam	Chair
2022	Brandon Jacques	Dissertation Committee	Committee Member
2021	Devyn Smith	Pre-dissertation	Chair
2021	Isabelle Moore	Pre-dissertation	Chair
2021	Jessica Gettleman	Comprehensive Exam	Committee Member
2021	Adam Fenton	Comprehensive Exam	Committee Member
2021	Ryan Kirkpatrick	Dissertation Committee	Committee Member
2020	Jessica Gettleman	Pre-dissertation	Second Reader
2020	Brandon Jacques	Comprehensive Exam	Committee Member
2020	Emily Weichart	Dissertation Committee	Committee Member

PRESS

- 2020 [Memory in the Time of a Pandemic](#)
UVA Lifetime Learning *Thoughts From the Lawn*
- 2020 ['The Way We Were': Why Covid-19 is making us nostalgic for simpler times](#)
UVA Today
- 2024 [Are You Better Off Now Than Four Years Ago? A Classic Campaign Question Gets Complicated](#)
U.S. News and World Report
- 2024 [Making and Retrieving Long-Term Memories: How Does The Brain Do It?](#)
UVA Lifetime Learning Podcast Series
- 2025 [Is a memory palace actually useful? It helped me memorize the first 20 digits of pi](#)
The Guardian