

Brynn E. Sherman

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<https://momentslab.org>**ACADEMIC APPOINTMENTS**

2025-	Assistant Professor	Department of Psychology, The Ohio State University
2022-2025	Postdoctoral Researcher	Department of Psychology, University of Pennsylvania

EDUCATION

2022	Ph.D.	Yale University	Cognitive Psychology
2016	B.S., <i>summa cum laude</i>	New York University	Neural Science

AWARDS & FELLOWSHIPS

2025	AI x Science Fellowship, <i>University of Pennsylvania</i>
2023-2025	SBE Postdoctoral Research Fellowship (SPRF), <i>National Science Foundation</i>
2023-2024	Data Driven Discovery Initiative Fellowship, <i>University of Pennsylvania</i>
2021	Trainee Professional Development Award, <i>Society for Neuroscience</i>
2021	Elsevier/Vision Research Travel Award, <i>Vision Sciences Society</i>
2017-2020	Graduate Research Fellowship, <i>National Science Foundation</i>
2017-2019	Sterling Prize Fellowship, <i>Yale University</i>
2016	Albert Borgman Thesis Prize, <i>New York University</i>
2016	Sherrington Award for Undergraduate Neural Science, <i>New York University</i>
2016	Phi Beta Kappa, <i>New York University</i>
2013-2015	Dean's Undergraduate Research Fund (five-time recipient), <i>New York University</i>
2014-2015	College of Arts & Science Women in Science Scholar, <i>New York University</i>
2013-2015	College of Arts & Science Presidential Honors Scholar, <i>New York University</i>

PEER-REVIEWED PUBLICATIONS & CONFERENCE PROCEEDINGS (*equal contribution)

- Zhou I, Bai Z, Huang Y, Wijaya EG, **Sherman BE**, Turk-Browne NB, and Goldfarb EV (2026). Stress drives the hippocampus to prioritize statistical prediction over episodic encoding. *Philosophical Transactions of the Royal Society: Series B*, 381(1954), 20250238.
- Yousif SR and **Sherman BE** (2026). Distortions of space and time in and around objects and events. *Psychonomic Bulletin & Review*, 33(3), 98.
- Sherman BE** (2026). How prediction of the future affects encoding of the present: Cooperation or competition? *Open Mind*, 10, 79-90.
- Wen C, Yousif SR, and **Sherman BE** (2026). Unfolding event structure distorts subjective time. *Cognition*, 267, 106354.
- Sherman BE** and Yousif SR (2025). An illusion of time caused by repeated experience. *Psychological Science*, 36(4), 278-295.
- DuBrow S, **Sherman BE**, Meager M, and Davachi L (2024). Medial temporal lobe damage impairs temporal integration in episodic memory. *Journal of Cognitive Neuroscience*, 36(11), 2302-2316.
- Yousif SR, Lee SH, **Sherman BE**, and Papafragou A (2024). Event representation at the scale of ordinary experience. *Cognition*, 249, 105833.

- Sherman BE**, Huang I, Wijaya EG, Turk-Browne NB, and Goldfarb EV (2024). Acute stress effects on statistical learning and episodic memory. *Journal of Cognitive Neuroscience*, 36(8), 1741-1659.
- Aljishi A, **Sherman BE**, Huberdeau DM, Obaid S, Khan K, Lamsam L, Zibly Z, Sivaraju A, Turk-Browne NB, and Damisah EC (2024). Statistical learning in epilepsy: Behavioral and anatomical mechanisms in the human brain. *Epilepsia*, 65(3), 753-765.
- Sherman BE**, Turk-Browne NB, and Goldfarb EV (2024). Multiple memory subsystems: Reconsidering memory in the mind and brain. *Perspectives on Psychological Science*, 19(1), 103-125.
- Sherman BE**, Harris BB, Turk-Browne NB, Sinha R, and Goldfarb EV (2023). Hippocampal mechanisms support cortisol-induced memory enhancements. *Journal of Neuroscience*, 43(43), 7198-7212.
- Yates TS, **Sherman BE**, and Yousif SR (2023). More than a moment: What does it mean to call something an ‘event’?. *Psychonomic Bulletin & Review*, 30, 2067-2082.
- Sherman BE**, Aljishi A, Graves KN, Quraishi IH, Sivaraju A, Damisah EC, and Turk-Browne NB (2023). Intracranial entrainment reveals statistical learning across levels of abstraction. *Journal of Cognitive Neuroscience*, 35(8), 1312-1328.
- Sherman BE***, DuBrow S*, Winawer J, and Davachi L (2023). Mnemonic content and hippocampal patterns shape judgments of time. *Psychological Science*, 34(2), 221-237.
- Sherman BE**, Graves KN, Huberdeau DM, Quraishi IH, Damisah EC, and Turk-Browne NB (2022). Temporal dynamics of competition between statistical learning and episodic memory in intracranial recordings of human visual cortex. *Journal of Neuroscience*, 42(48), 9053-9068.
- Graves KN, **Sherman BE**, Huberdeau D, Damisah E, Quraishi IH, and Turk-Browne NB (2022). Remembering the pattern: A longitudinal case study on statistical learning in spatial navigation and memory consolidation. *Neuropsychologia*, 174, 108341.
- Sherman BE** and Turk-Browne NB (2020). Statistical prediction of the future impairs episodic encoding of the present. *Proceedings of the National Academy of Sciences*, 117(37), 22760-22770.
- Sherman BE**, Graves KN, and Turk-Browne NB (2020). The prevalence and importance of statistical learning in human cognition and behavior. *Current Opinion in Behavioral Sciences*, 32, 15-20.

BOOK CHAPTERS, COMMENTARIES, AND CONFERENCE PROCEEDINGS

- Sherman BE** (*in press*). Remembering specifics vs. generalities: One or two systems? Reply to Dubova & Sloman. *Behavioral and Brain Sciences*.
- Sherman BE** and Turk-Browne NB (2024). Attention and Memory. Chapter in M.J. Kahana & A.D. Wagner (Eds.), *Handbook of Human Memory*. Oxford University Press.
- Sherman BE**, Yousif SR, Reiner CL, and Keil FC (2022). The speed of statistical perception. *Proceedings of the Annual Meeting of the Cognitive Science Society*, 44.

MANUSCRIPTS

- Bonno, A & **Sherman BE** (*under review*). Uncovering experiential structure from temporal memory. Preprint: https://osf.io/preprints/psyarxiv/t5kyx_v1
- Sherman BE** (*in revision*). Distinguishing false from authentic memories by probing spatiotemporal context.
- Sherman BE**, Gonciulea CM, Siefert EM, and Schapiro AC (*in revision*). Interleaved replay during sleep integrates memories across contexts. Preprint: https://osf.io/preprints/psyarxiv/bj29n_v1

Yousif SR & **Sherman BE** (*under review*). Evaluating the relation between motion and the perception of time.

Zheng J, Yousif SR, and **Sherman BE** (*under review*). Independent repulsive and attractive effects of repetition on temporal memory.

CONFERENCE PRESENTATIONS

Zheng J, Yousif SR, and **Sherman BE** (2026, May). To what extent does existing knowledge influence stimulus memorability? Poster presented at the Vision Sciences Society Meeting, St. Pete Beach, FL.

Zhou I, Huang Y, Bai Z, Wijaya E, **Sherman BE**, Goldfarb EV, and Turk-Browne NB (2025, November). Statistical learning alters hippocampal responses during awake rest. Talk presented at the Society for Neuroscience Annual Meeting, San Diego, CA.

Sherman BE and Yousif SR (2025, June). An illusion of time caused by repeated experience. Talk presented at the Society for Philosophy and Psychology Meeting, Ithaca, NY.

Sherman BE and Yousif SR (2025, May). An illusion of time caused by repeated visual experience. Talk presented at the Vision Sciences Society Meeting, St. Pete Beach, FL.

Sherman BE and Yousif SR (2025, April). An illusion of time caused by repeated experience. Talk presented at the North Carolina Cognition Conference, Chapel Hill, NC.

Wen C, **Sherman BE**, and Yousif SR (2025, April). Perceived durations of beginnings, middles, and endings. Poster presented at the North Carolina Cognition Conference, Chapel Hill, NC.

Sevchik P, **Sherman BE**, and Schapiro AC (2025, March). Comparing the impacts of rumination and replay on memory. Poster presented at the Cognitive Neuroscience Society Annual Meeting, Boston, MA.

Zhou I, Huang Y, Bai Z, Wijaya EG, Ramos L, **Sherman BE**, Turk-Browne NB, and Goldfarb EV (2025, March). Acute stress modulates episodic memory and statistical learning in the hippocampus. Poster presented at the Cognitive Neuroscience Society Annual Meeting, Boston, MA.

Sherman BE, Siefert EM, Gonciulea C, and Schapiro, AC (2024, December). Interleaving the reactivation of new and old memories during sleep to promote memory integration. Poster presented at the International Sleep Replay Workshop, Virtual.

Sherman BE, Siefert EM, Gonciulea C, and Schapiro, AC (2023, November). Integrating new and old memories during sleep: Testing the effects of interleaved memory reactivation. Poster presented at the Society for Neuroscience Meeting, Washington, D.C.

Sherman BE, Siefert EM, and Schapiro, AC (2023, July). Measuring the rapid acquisition and integration of structured knowledge. Poster presented at the Cognitive Science Society Meeting, Sydney, NSW.

Sherman BE and Turk-Browne NB (2023, March). Learning from abstract regularities in the hippocampus and visual cortex. Talk presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.

Harris BB, **Sherman BE**, Turk-Browne NB, Sinha R, and Goldfarb EV (2022, December). Hydrocortisone alters the formation of alcohol-related episodic memories. Poster presented at the Annual Meeting of the American College of Neuropsychopharmacology, Phoenix, AZ.

- Sherman BE**, Huang I, Wijaya EG, Turk-Browne NB, and Goldfarb EV (2022, November). Acute stress modulates the use of hippocampal subsystems during learning. Poster presented at Society for Neuroscience Meeting, San Diego, CA.
- Harris BB, **Sherman BE**, Turk-Browne NB, Sinha R, and Goldfarb EV (2022, November). Hydrocortisone alters neural mechanisms supporting emotional episodic memory. Talk presented at Society for Neuroscience Meeting, San Diego, CA.
- Sherman BE**, Yousif SR, Reiner CL, and Keil FC (2022, July). The speed of statistical perception. Flash talk presented at the Annual Conference of the Cognitive Science Society, Virtual.
- Sherman BE**, Aljishi A, Graves KN, Quraishi IH, Sivaraju A, Damisah EC, and Turk-Browne NB (2022, May). Shared and distinct representations of visual regularities across levels of abstraction. Poster presented at Vision Sciences Society, St. Pete Beach, FL.
- Graves KN, **Sherman BE**, and Turk-Browne NB (2022, May). Distributional biases in spatial memory during virtual navigation. Poster presented at Vision Sciences Society, St. Pete Beach, FL.
- Sherman BE**, Aljishi A, Graves KN, Quraishi IH, Sivaraju A, Damisah EC, and Turk-Browne NB (2021, November). Mechanisms and dynamics of statistical learning across levels of abstraction. Poster presented at Society for Neuroscience Meeting, Virtual.
- Graves KN, **Sherman BE**, Quraishi IH, Damisah EC, and Turk-Browne NB (2021, November). Medial temporal lobe codes for distorted spatial memory during virtual navigation. Poster presented at Society for Neuroscience Meeting, Virtual.
- Aljishi A, **Sherman BE**, Huberdeau DM, Sivaraju A, Turk-Browne NB, and Damisah EC (2021, November). Multimodal interrogation of statistical learning and episodic memory in human epilepsy. Poster presented at Society for Neuroscience Meeting, Virtual.
- Graves KN, **Sherman BE**, Huberdeau D, Damisah E, Quraishi IH, and Turk-Browne NB (2021, August). Remembering the pattern: a case study on statistical learning in spatial navigation and memory consolidation. Poster presented at Context and Episodic Memory Symposium, Philadelphia, PA.
- Sherman BE**, Graves KN, Huberdeau DM, Benjamin CFA, Quraishi IH, Damisah EC, and Turk-Browne NB (2021, May). Dynamics of category-level statistical learning from intracranial recordings in visual cortex. Talk presented at Vision Sciences Society, Virtual.
- Reiner C, Yousif SR, **Sherman BE**, and Keil FC (2021, May). Common structure underlying visual and non-visual judgments of randomness. Poster presented at Vision Sciences Society, Virtual.
- Sherman BE** and Turk-Browne NB (2020, June). Visual statistical learning distorts feature memory. Poster presented at Vision Sciences Society, Virtual.
- Graves KN, **Sherman BE**, and Turk-Browne NB (2020, June). Closer than it appeared: Distorted spatial memory during virtual navigation. Poster presented at Vision Sciences Society, Virtual.
- Sherman BE**, Ellis CT, Benjamin CFA, Gerrard JL, Spencer DD, and Turk-Browne NB (2019, October). Dynamic interactions between statistical learning and episodic memory. Poster presented at Society for Neuroscience Meeting, Chicago, IL.
- Sherman BE** and Turk-Browne NB (2019, May). Regularity-induced attentional biases and their mnemonic consequences. Poster presented at Vision Sciences Society, St. Pete Beach, FL.
- Sherman BE** and Turk-Browne NB (2018, November). How does the hippocampus simultaneously process instances and regularities? Poster presented at Society for Neuroscience Meeting, San Diego, CA.

- Sherman BE** and Turk-Browne NB (2018, May). Simultaneous learning of episodes and regularities. Talk presented at Manhattan Area Memory Meeting. New York, NY.
- Sherman BE**, DuBrow S, Winawer J, and Davachi L (2017, June). Memory representations mediate temporal duration judgments. Talk presented at Manhattan Area Memory Meeting. New York, NY.
- Sherman BE**, DuBrow S, Winawer J, and Davachi L (2017, May). Assessing the role of working memory representations in temporal duration judgments. Poster presented at Context and Episodic Memory Symposium. Philadelphia, PA.
- DuBrow S, **Sherman BE**, Winawer J, and Davachi L (2016, May). Measuring neural dynamics underlying short duration estimation with fMRI. Poster presented at Context and Episodic Memory Symposium. Philadelphia, PA.
- Sherman BE**, DuBrow S, Winawer J, and Davachi L (2016, April). A neural investigation of temporal duration compression across boundaries. Poster presented at Annual Meeting of the Cognitive Neuroscience Society. New York, NY.
- DuBrow S, **Sherman BE**, and Davachi L (2015, May). Opposing influences of event boundaries on judgments of time. Poster presented at Context and Episodic Memory Symposium. Philadelphia, PA.
- DuBrow S, **Sherman BE**, and Davachi L (2015, March). The role of the hippocampus in temporal integration across boundaries. Poster presented at Annual Meeting of the Cognitive Neuroscience Society. San Francisco, CA.

INVITED TALKS

- The Ohio State University, Decision Area (February 2026)
- Timing Research Forum (September 2025)
- Boston University, Psychological & Brain Sciences (January 2025)
- The Ohio State University, Department of Psychology (January 2025)
- New York University, Department of Psychology & Center for Neural Science (December 2024)
- University of California Los Angeles, Suthana Lab (November 2024)
- University of North Carolina Chapel Hill, Cognitive Tea (October 2024)
- Temple University, Psychology Department (February 2024)
- Boston University, Psychological & Brain Sciences (February 2024)
- University of California Davis, Center for Neuroscience (January 2024)
- University of California Riverside, Cognition & Cognitive Neuroscience (January 2024)
- University of Chicago, Cognition Workshop (October 2022)
- Yale University, Interdisciplinary Stress Seminar (September 2022)
- University of Oregon, Sarah DuBrow Memorial Symposium (July 2022)
- Northeastern University, Interdisciplinary Affective Science Lab (December 2020)
- University of Pennsylvania, Computational Cognitive Neuroscience Lab (November 2020)
- University College London, Visual Perception & Memory and Space Labs (March 2020)
- University of Oregon, Oregon Memory Group (July 2018)

MENTORSHIP

Research Assistants:

Naomi Lytle (Ohio State; 2026 – present)

Chance Mckinnie (Ohio State; 2026 – present)

Jie (Skye) Zheng (Ohio State; 2025 – present)

Paige Sevchik (Penn; 2025 – present)

Now: Graduate Student at UCLA

Claudia Gonciulea (Penn post-graduate; 2023 – present)

Now: Graduate Student at Dartmouth College

Ayman Aljishi (Yale post-graduate; 2021-2022)

Now: Graduate Student at Vanderbilt University

Undergraduates:

Abigail Bonno (Ohio State; 2025 – present)

Keana Hunter (Ohio State; 2025 – present)

Greta Salmon (Ohio State; 2025 – present)

Cadence Waller (Ohio State; 2025 – present)

Cynthia Wen (University of North Carolina, Chapel Hill; 2024 – 2025)

Andrew Wong (Penn; 2024)

Anna Rose Hunt-Isaak (McGill; Summer 2023)

Jade Nguyen (Penn; 2023 – 2024)

Kayla Caldwell (Penn; 2023)

Tereza Okálová (Penn; 2022)

Elaine Wijaya (Yale; 2022)

Isabella Huang (Yale; 2020 – 2023)

Caroline Reiner (Yale; 2020-2022)

Jessie Cheung (Yale; 2020-2021)

Marc Harary (Yale; 2019)

AD HOC REVIEWING: JOURNALS

Acta Psychologica; Attention, Perception, & Psychophysics; Behavioral & Brain Sciences; BMC Neuroscience; Cell Reports; Cerebral Cortex; Cognition; Cognitive Neuroscience; Communications Biology; Communications Psychology; Current Biology; Developmental Science; Epilepsy & Behavior; Frontiers in Psychology; Journal of Cognitive Neuroscience; Journal of Educational Psychology; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Learning, Memory, and Cognition; Journal of Neuroscience; Learning & Behavior; Memory & Cognition; Nature Communications; Nature Reviews Psychology; NeuroImage; Neuroscience & Biobehavioral Reviews; Open Mind; Psychonomic Bulletin & Review; Quarterly Journal of Experimental Psychology; Scientific Reports

AD HOC REVIEWING: GRANTS

National Science Foundation: Developmental Sciences Program

PROFESSIONAL MEMBERSHIPS

Cognitive Neuroscience Society, Memory Disorders Research Society (Elected), Psychonomic Society, Society for Neuroscience, Vision Sciences Society

SERVICE & OUTREACH

Ohio State Psychology Admissions Committee (2026 – present)
UPenn Neuroscience Action Against Bias Application Support Program Mentor (2023)
UPenn DivE In Mentorship Weekend Mentor (2022, 2023)
Guest on Nature & Nurture Podcast (Episode #87: Sleep, Stress, & Memory; 2023)
Memory Disorders Research Society (MDRS) Conference, Lead Trainee Volunteer (2022)
Wu Tsai Institute Summer Graduate Leader (2021)
Yale Brain Education Day Volunteer (2019, 2021)
Panelist on Career Pathways in Neuroscience, Yale Neuroscience Club (2020)
Manhattan Area Memory Meeting (MAMM) Student Organizer (2019)
Panelist on Graduate Student Life, Yale Psychology New Graduate Student Orientation (2019)
Yale Psychology Department Colloquium Committee (2018-2019; 2019-2020)
New Haven Science Fair Judge (2018, 2019)
Yale MRRC Neuroimaging Outreach Event (2018, 2019)
Yale Psychology Department Interview Day Committee (2018)
NYC Brain Awareness Week Volunteer (2016, 2017)
NYU Strive for College Mentor and Director of Curriculum (2013-2015)

TEACHING EXPERIENCE

Instructor, *Cognitive Psychology Laboratory*, Spring 2026 (Ohio State)
Guest Lecturer (Memory), *Techniques & Topics in Cognitive Neuroscience*, Fall 2025 (Ohio State)
Workshop Leader (Data visualization in R), *Data Science Hangouts*, Summer 2023 (Penn)
Guest Lecturer (Neuroimaging methods), *Biopsychology*, Spring 2023 (Franklin & Marshall College)
Teaching Fellow, *Cognitive Neuroscience*, Spring 2020 (Yale University)
Teaching Fellow, *Introduction to Psychology*, Fall 2019 (Yale University)
Teaching Fellow, *Introduction to Psychology*, Spring 2019 (Yale University)
Teaching Fellow, *Human Brain*, Fall 2018 (Yale University)