Brynn E. Sherman

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https://brynnsherman.github.io

EDUCATION & RESEARCH EXPERIENCE

2017-	**Yale University** PhD Candidate, Cognitive Psychology Advisor: Nicholas Turk-Browne
2015-2017	**Lab Manager/Assistant Research Scientist, Davachi Lab NYU** Advisor: Lila Davachi
2012-2015	**New York University** Bachelor of Science, *summa cum laude* Neural Science with High Honors Honors Thesis Advisor: Lila Davachi

AWARDS AND FELLOWSHIPS

Trainee Professional Development Award, Society for Neuroscience (2021)
Elsevier/Vision Research Travel Award, Vision Sciences Society (2021)
Graduate Research Fellowship, National Science Foundation (2017-2020)
Sterling Prize Fellowship, Yale University (2017-2019)

Albert Borgman Thesis Prize, New York University (2016)
Sherrington Award for Undergraduate Neural Science, New York University (2016)
Phi Beta Kappa, New York University (2016)
Dean's Undergraduate Research Fund (five-time recipient), New York University (2013-2015)
CAS Women in Science Scholar, New York University (2014-2015)
CAS Presidential Honors Scholar, New York University (2013-2015)

PEER-REVIEWED PUBLICATIONS

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

Sherman BE and Turk-Browne NB *(in press).* Attention and Memory. Chapter in M.J. Kahana & A.D. Wagner (Eds.), *Handbook of Human Memory.* Oxford University Press.

MANUSCRIPTS (*equal contribution)

Sherman BE*, DuBrow S*, Winawer J, and Davachi L *(under revision).* Mnemonic content and hippocampal patterns shape judgments of time. https://doi.org/10.1101/2021.08.03.454949

Sherman BE, Turk-Browne NB, and Goldfarb EV *(under review).* Multiple memory subsystems: Reconsidering memory systems in the brain.

Graves KN, **Sherman BE**, Huberdeau D, Damisah E, Quraishi IH, and Turk-Browne NB *(under review).* Remembering the pattern: A longitudinal case study on statistical learning in spatial navigation and memory consolidation. https://doi.org/10.1101/2021.10.18.464818

Sherman BE, Graves KN, Huberdeau DM, Benjamin CFA, Quraishi IH, McCarthy G, Damisah EC, and Turk-Browne NB (*in prep).* Intracranial recordings in human visual cortex reveal evidence for dynamic interactions between episodic memory and statistical learning.

Graves KN, **Sherman BE,** and Turk-Browne NB *(in prep).* Closer than it appeared: Distorted spatial memory during virtual navigation.

Aljishi A, **Sherman BE**, Huberdeau DM, Sivaraju A, Turk-Browne NB, and Damisah EC *(in prep).* Multimodal interrogation of statistical learning and episodic memory in human epilepsy.

CONFERENCE PRESENTATIONS

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 B, 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 B, 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 B,** 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 B, 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 B,** and Davachi L (2015, May). Opposing influences of event boundaries on judgments of time. Poster presented at Context and Episodic Memory Symposium. Philadelphia, PA.

Sherman B, DuBrow S, and Davachi L (2015, April). Investigating medial temporal lobe contributions to temporal perception and memory. Poster presented at Annual Undergraduate Research Conference, NYU. New York, NY.

DuBrow S, **Sherman B**, 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.

Sherman B, DuBrow S, and Davachi L (2014, July). The role of context in human subjective temporal memory. Poster presented at NYU Arts & Science Summer Student Conference. New York, NY.

INVITED TALKS

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, Kuhl & Zeithamova Labs (July 2018)

MENTORSHIP

Beatriz Horta (Yale undergraduate; June 2021 — October 2021)
Ayman Aljishi (Yale post-graduate; May 2021 — present)
Caroline Reiner (Yale undergraduate; Sept 2020 — present)
Jessie Cheung (Yale undergraduate; Sept 2020 — Mar 2021)
Isabella Huang (Yale undergraduate; Mar 2020 — present)
Marc Harary (Yale undergraduate; Dec 2018 — Jan 2020)

AD HOC REVIEWING

BMC Neuroscience; Frontiers in Psychology; Journal of Cognitive Neuroscience; Quarterly Journal of Experimental Psychology

SERVICE & OUTREACH

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

Teaching Fellow, *Cognitive Neuroscience*, Spring 2020
Teaching Fellow, *Introduction to Psychology*, Fall 2019
Teaching Fellow, *Introduction to Psychology*, Spring 2019
Teaching Fellow, *Human Brain*, Fall 2018