SHENYANG HUANG

Curriculum Vitae

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Center for Cognitive Neuroscience
Duke University, Durham, NC 27708

EDUCATION

Duke University, Durham, NC — 2025 (expected)
Ph.D. candidate in Psychology and Neuroscience, Cognition & the Brain
Cumulative GPA: 4.00/4.00

Duke University, Durham, NC — 2020
Bachelor of Science with Distinction in Neuroscience
Bachelor of Science in Mathematics
Cumulative GPA: 3.97/4.00
Summa Cum Laude

GRANTS, HONORS, & AWARDS

E. Bayard Halstead Fellowship in Science, History & Journalism	2024
Graduate Travel Award sponsored by the Charles Lafitte Foundation	2023, 2024
Conference Travel Award sponsored by the Duke Graduate School	2023
Graduate Research Grant Award sponsored by the Charles Lafitte Foundation	2021
Duke Summer Neuroscience Program Fellowship	2019
Phi Beta Kappa Honor Society – elected as top 1% of the junior class	2019

PUBLICATIONS

[10] Yu, C., **Huang, S.**, Howard, C. M., Hovhannisyan, M., Clarke, A., Cabeza, R., & Davis, S. W. (2024). Subsequent Memory Effects in Cortical Pattern Similarity Differ by Semantic Class. *Journal of Cognitive Neuroscience*, 1–12. https://doi.org/10.1162/jocn_a_02238

[9] Howard, C. M., **Huang, S.**, Hovhannisyan, M., Cabeza, R., & Davis, S. W. (2024). Differential Mnemonic Contributions of Cortical Representations during Encoding and Retrieval. *Journal of Cognitive Neuroscience*, 1–29. https://doi.org/10.1162/jocn_a_02227

[8] **Huang, S.**, De Brigard, F., Cabeza, R., Davis, S. W. (2024). Connectivity analyses for task-based fMRI. *Physics of Life Reviews*, *49*, 139–156. https://doi.org/10.1016/j.plrev.2024.04.012

[7] **Huang, S.***, Faul, L.*, Parikh, N., LaBar, K. S., De Brigard, F. (2024). Counterfactual thinking induces different neural patterns of memory modification in anxious individuals. *Scientific Reports*, *14*(1), 10630. https://doi.org/10.1038/s41598-024-61545-x

[6] **Huang, S.**, Paul, U., Gupta, S., Desai, K., Guo, M., Jung, J., Capestany, B., Krenzer, W. D., Stonecipher, D., & Farahany, N. (2024). U.S. public perceptions of the sensitivity of brain data. *Journal of Law and the Biosciences, 11*(1), lsad032. https://doi.org/10.1093/jlb/lsad032

[5] **Huang, S.**, Howard, C. M., Hovhannisyan, M., Ritchey, M., Cabeza, R., & Davis, S. W. (2024).

Hippocampal functions modulate transfer-appropriate cortical representations supporting subsequent memory. *Journal of Neuroscience, 44*(1). https://doi.org/10.1523/JNEUROSCI.1135-23.2023

[4] Stanley, M. L., **Huang, S.**, Marsh, E. J., & Kay, A. C. (2023). The Role of Structure-Seeking in Moral Punishment. *Social Justice Research*. https://doi.org/10.1007/s11211-023-00416-8

[3] **Huang, S.***, Faul, L.*, Sevinc, G., Mwilambwe-Tshilobo, L., Setton, R., Lockrow, A., Ebner, N. C., Turner, G. R., Spreng, R. N., De Brigard, F. (2021). Age Differences in Intuitive Moral Decision-Making: Associations with Inter-Network Neural Connectivity. *Psychology and Aging, 36*(8), 902–916. https://doi.org/10.1037/pag0000633

[2] **Huang, S.**, Stanley, M. L., & De Brigard, F. (2020). The phenomenology of remembering our moral transgressions. *Memory & Cognition, 48*(2), 277–286. https://doi.org/10.3758/s13421-019-01009-0

[1] Fei, Y., Zhu, D., Sun, Y., Gong, C., **Huang, S.**, & Gong, Z. (2018). Repeated Failure in Reward Pursuit Alters Innate Drosophila Larval Behaviors. *Neuroscience Bulletin, 34*(6), 901–911. https://doi.org/10.1007/s12264-018-0248-0

Note: * indicates co-first authorship

Posters & Presentations

Huang, S., Gillette, K., Howard, C. M., Deng, L., Davis, S. W., Cabeza, R. (2024, April). *Age-Related Differences in Memory Encoding: The Impact of Schematic Knowledge*. Poster session accepted for Cognitive Neuroscience Society 2024 Annual Meeting, Toronto, Canada.

Huang, S., Howard, C. M., Hovhannisyan, M., Cabeza, R., Ritchey, M., Davis, S. W. (2023, March). *Hippocampal functions modulate transfer-appropriate cortical representations supporting subsequent memory*. Poster session and Data Blitz accepted for Cognitive Neuroscience Society 2023 Annual Meeting, San Francisco, CA.

Huang, S., Faul, L., Parikh, N., LaBar, K. S., De Brigard, F. (2022, April). *Multivariate neural patterns of counterfactual thinking-induced reconsolidation of autobiographical memory*. Poster session presented at Cognitive Neuroscience Society 2022 Annual Meeting, San Francisco, CA.

Huang, S., Faul, L., Sevinc, G., Mwilambwe-Tshilobo, L., Setton, R., Lockrow, A., Ebner, N. C., Turner, G. R., Spreng, R. N., De Brigard, F. (2021, March). *Inter-Network Neural Connectivity Predicts Differences in Intuitive Moral Decision-Making between Younger and Older Adults*. Poster session and Data Blitz presented at Cognitive Neuroscience Society 2021 Virtual Meeting.

Huang, S., Simmons, C., Krenzer, W., & Farahany, N. (2020, May). *Consumer-Based EEG Devices-Are They Mind-Wandering?* Poster session presented at Cognitive Neuroscience Society 2020 Virtual Meeting.

Huang, S., Stanley, M., & De Brigard, F. (2019, July). *The Phenomenology of Remembering Immoral Actions*. Poster session presented at Duke Undergraduate Research Showcase, Durham, NC.

Teaching and Mentoring

Introduction to Cognitive Neuroscience, Teaching Assistant	Fall 2023
Current Research in Neuroscience, Teaching Assistant	Spring 2023
Contemporary Neuroscience Methods, Teaching Assistant	Fall 2022
Functional Magnetic Resonance Imaging, led lab session on multivariate pattern analysis (MVPA)	Spring 2022
Cognitive Neuroscience Research Internship, Mentor	2021-

Undergraduate research, Nathaniel Braswell	2021-2022
Duke Institute for Brain Sciences Methods Meetings	2021-
(https://dibsmethodsmeetings.github.io/people/shenyang) – led workshops and tutorials	
Bass Connections team *Mobile EEG Devices* – Graduate team member	2020-2021
Neuroscience Majors' Union – Mentor for first-years and sophomores	2019-2020

SKILLS

MATLAB	Markdown
Python	LaTeX
R	Qualtrics Survey Platform
Stan statistical modeling	

REFERENCES

Felipe De Brigard, Ph.D.
Fuchsberg-Levine Family Associate Professor of Philosophy
Duke University
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Roberto Cabeza, Ph.D.
Professor of Psychology and Neuroscience
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