EMALIE MCMAHON

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EDUCATION	**Johns Hopkins University**, Baltimore, MD	2019–2024

Johns Hopkins University, Baltimore, MD — 2019–2024
PhD in Computational Cognitive Science
Advisors: Leyla Isik and Mick Bonner

University of Tennessee, Knoxville, TN — 2013–2017
BA in Neuroscience

RESEARCH EXPERIENCE

Massachusetts Institute of Technology, Boston, MA — *beginning Jan 2025*
Postdoctoral research fellow
Advisor: Nancy Kanwisher

National Institute of Mental Health, Bethesda, MD — 2017–2019
Postbaccalaureate research fellow
Advisors: Leslie Ungerleider and Maryam Vaziri-Pashkam

PUBLICATIONS IN PREP

McMahon, E., Im, E. J., Bonner, M. F., & Isik, L. (2024) Spatiotemporal dynamics of social interactions perception: An EEG-fMRI fusion study. *in prep.*

PUBLICATIONS

Garcia, K.*, **McMahon, E.***, Conwell, C., Bonner, M. F., & Isik, L. (2024). Modeling dynamic social vision highlights gaps between deep learning and humans. OSF. 10.31234/osf.io/4mpd9
    *equal contribution

McMahon, E. & Isik, L. (2023). Seeing social interactions. *Trends in Cognitive Science*. doi: 10.1016/j.tics.2023.09.001
- **McMahon, E.** & Isik, L. Abstract social interaction representations along the lateral pathway. *Trends in Cognitive Science*. doi: doi: 10.1016/j.tics.2024.03.007
- **McMahon, E.** & Isik, L. (2024). The neurodevelopmental origins of seeing social interactions. *Trends in Cognitive Science*. doi: 10.1016/j.tics.2023.12.007

McMahon, E., Bonner, M. F., & Isik, L. (2023). Hierarchical organization of social action features along the lateral visual pathway. *Current Biology*.
doi: 10.1016/j.cub.2023.10.015

McMahon, E., Kim, D., Mehr, S. A., Nakayama, K., Spelke, E., & Vaziri-Pashkam, M. (2020). The ability to predict actions of others from distributed cues is still developing in six- to eight-year-old children. *Journal of Vision*, 21(5): 14, 1–11. doi: 10.1167/19.7.16

Lam, K. C., Pereira, F., Vaziri-Pashkam, M., Woodard, K., & **McMahon, E.** (2020, June 22). Mental representations of objects reflect the ways in which we interact with them. arXiv: 2007.04245v1.

McMahon, E., Zheng, C. Y., Pereira, F., Gonzalez, R., Ungerleider, L.G. & Vaziri-Pashkam, M. (2019) Subtle predictive movements reveal actions regardless of social context. *Journal of Vision*, 19(7): 1-16. doi: 10.1167/19.7.16

Corbetta, D., Wiener, R. F., Thurman, S. L., & **McMahon, E.** (2018). The Embodied Origins of Infant Reaching: Implications for the Emergence of Eye-Hand Coordination. *Kinesiology Review*, 7: 10-17. doi: 10.1123/kr.2017-0052

AWARDS		
	National Eye Institute Early Career Travel Grant	2023
	National Science Foundation Graduate Research Fellowship	2019-2022
	Cognitive Computational Neuroscience Student Travel Award	2018
	National Institutes of Health Research Training Award	2017–2019
	University of Tennessee Neuroscience Outstanding Graduate	2017
	University of Tennessee Chancellor's Honors Scholarship	2013–2017

INVITED TALKS		
	Johns Hopkins University, Lab of Christopher Krupenye	March 2023
	Harvard University, Vision Lab of Talia Konkle and George Alverez	July 2022
	Massachusetts Institute of Technology, Lab of Nancy Kanwisher	July 2022
	Johns Hopkins University, Lab of Marina Bedny	April 2022

ORAL CONFERENCE PRESENTATIONS

McMahon, E., Abel, T., Gonzalez-Martinez, J., Bonner, M.F., Ghuman, A., & Isik, L. The spatiotemporal dynamics of social scene perception in the human brain. *Vision Science Society*; May 19–24, 2023; St. Petersburg, FL.

McMahon, E., Gonzalez, R., Nakayama, K., Ungerleider, L.G., & Vaziri-Pashkam, M. Understanding Action Prediction with Machine Learning and Psychophysics. *Conference on Cognitive Computational Neuroscience*; Sept. 5–8, 2018; Philadelphia, PA.

SELECT CONFERENCE PRESENTATIONS

McMahon, E., Conwell, C., Garcia, K., Bonner, M.F., & Isik, L. Language model prediction of visual cortex responses to dynamic social scenes. *Vision Science Society*; May 17–22, 2024; St. Petersburg, FL.

Conwell, C., **McMahon, E.**, Vinken, K., Prince, J.S., Alverez, G., Konkle, T., Isik, L., & Livingstone, M. Is visual cortex really "language-aligned"? Perspectives from Model-to-Brain Comparisons in Human and Monkeys on the Natural Scenes Dataset. *Vision Science Society*; May 17–22, 2024; St. Petersburg, FL.

Garcia, K., Conwell, C., **McMahon, E.**, Bonner, M. F., & Isik, L. Large-scale Deep Neural Network Benchmarking in Dynamic Social Vision. *Vision Science Society*; May 17–22, 2024; St. Petersburg, FL.

TEACHING		
	Cognitive Science Fiction	Jan 2023

SERVICE		
	First-year graduate student mentoring	2021–2022
	Graduate applicant mentoring	2022–2024
	Cognitive Science Diversity and Representation Committee	2020–2023
	JHU Graduate Representation Organization	2020–2022