

MARLENE D. BERKE

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EDUCATION

Yale University

2019 - Present

PhD in Cognitive Psychology in 2024 (anticipated)

Cornell University

2015 - 2019

BA in College Scholar: Computational Cognitive Neuroscience

Minors in Statistics, Biology, Psychology, and Cognitive Science

HONORS AND AWARDS

College Scholar Honors Thesis

Fall 2018 - Spring 2019

Awarded Summa Cum Laude

Tanner Dean Scholar

2015 - 2019

Granted a \$5000 research stipend for Summer 2018

PUBLICATIONS

Berke, M., Walter-Terrill, R., Jara-Ettinger, J., & Scholl, B. (*in prep.*). Flexible goals require that inflexible perceptual systems produce veridical representations: Implications for realism as revealed by evolutionary simulations.

Berke, M., Belledonne, M., Azerbayev, Z., & Jara-Ettinger, J. (*under review*). Learning a metacognition for object detection.

Berke, M., & Jara-Ettinger, J. (2021). Thinking About Thinking Through Inverse Reasoning. *Proceedings of the 43rd Annual Conference of the Cognitive Science Society*.

Berke, M., Belledonne, M., & Jara-Ettinger, J. (2020). Learning a metacognition for object perception. *NeurIPS SVRHM workshop*.

Berke, M. D., Field, D. J., & Cleland, T. A. (2017). The Sparse Structure of Natural Chemical Environments. *Proceedings from the International Symposium on Olfaction and Electronic Nose (ISOEN)*.

SELECTED TALKS AND POSTERS

Berke, M. (presenter), Walter-Terrill, R., Jara-Ettinger, J., Scholl, B. (2021). Flexible goals require that inflexible perceptual systems produce veridical representations: Implications for realism as revealed by evolutionary simulations. Talk given at the 21st Annual Meeting of the Vision Science Society.

Berke, M. (presenter), Jara-Ettinger, J. (2021). Thinking About Thinking Through Inverse Reasoning. Poster presented at the 47st Annual Meeting of the Society for Philosophy and Psychology.

TEACHING

Introduction to Statistics

Spring 2021

Teaching Fellow (Yale University). Led discussion sections.

Multivariate Statistics

Fall 2020 - 2021

Teaching Fellow (Yale University). Delivered guest lectures.

Introduction to Statistics for Biology

Fall 2017 - Spring 2019

Teaching Assistant (Cornell University). Led discussion sections.

MENTORSHIP

Psychology Graduate Student Peer Mentor

Fall 2020 - Present

Yale University

Peer Orientation Mentor

Summer 2020

Yale University

Undergraduates Mentored

Spring 2021 - Present

Zhangir Azerbayev, Tanushree Burman, and Bernardo Eilert Trevisan

SERVICE

Reviews

Reviewed submissions to the 43rd Annual Conference of the Cognitive Science Society.