

Holly Kular, M.A.

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<https://hkular.github.io>

Education

2021 – Present	PhD Experimental Psychology (Cognitive Neuroscience area) University of California, San Diego
2021 – 2023	MA Experimental Psychology (Cognitive Neuroscience area) University of California, San Diego Thesis: <i>Testing predictions of a sensory recruitment model of working memory</i>
2015 – 2019	Bachelor of Science University of California, Los Angeles Major: Neuroscience

Employment and Academic Positions

Graduate Student

Perception and Cognition Lab

Conducting research on visual working memory using behavioral psychophysics, fMRI, and computational modeling.
Advisor: *John Serences, Ph.D.*

September 2021–Present

Research Coordinator and Lab Manager

Stanford Vision and Perception Neuroscience Laboratory

Coordinated and conducted research on infant development using EEG and MRI. Developed custom data processing pipeline.
Supervisor: *Kalanit Grill-Spector, Ph.D.*

September 2019 – July 2021

Undergraduate Research Assistant

UCLA Steve Tisch BrainSPORT Program

Conducted baseline assessments for sports concussion monitoring.
Supervisors: *Christopher Giza, M.D., Meeryo Choe, M.D.*

March 2017 – June 2019

Publications

1. Grotheer, M., Rosenke, M. Wu, **H. Kular**, H. Querdasi, F.R. Natu, V.S. Yeatman, J.D. and Grill-Spector, K. 2022. “White Matter Myelination during Early Infancy Is Linked to Spatial Gradients and Myelin Content at Birth.” *Nature Communications* 13 (1): 997.
2. Natu, V.S. Rosenke, M. Wu, H. Querdasi, F.R. **Kular, H.** Lopez-Alvarez, N. Grotheer, M. Berman, S. Mezer, A.A. and Grill-Spector, K. 2021. “Infants’ Cortex Undergoes Microstructural Growth Coupled with Myelination during Development.” *Communications Biology* 4 (1): 1–12.
3. Nordt, M. Gomez, J. Natu, V.S. Rezai, A.A. Finzi, D. **Kular, H.** and Grill-Spector, K. 2021. “Cortical Recycling in High-Level Visual Cortex during Childhood Development.” *Nature Human Behaviour*, June, 1–12.

Teaching and lectures

Teaching Assistant: Social Psychology (UCSD PSYC 104) Fall 2021
Teaching Assistant: Psychology and Law (UCSD PSYC 162) Fall 2022
Teaching Assistant: Visual Cognition (UCSD PSYC 106) Spring 2023
Teaching Assistant: Cognitive Neuroscience (UCSD PSYC 108) Fall 2023
Lecture: Neuroscience and Neuroimaging (UCSD Psychology PhD orientation) September 2023
Lecture: Neuroimaging (UCSD PSYC 108) Fall 2023

Mentoring

David Wu (UCSD undergraduate researcher) September 2023 – Present
Hannah Lincoln (UCSD undergraduate researcher) August 2023 – Present
Jialin (Joyce) He (UCSD computational social science master's student) September 2022 – June 2023
Jessie Qiu (UCSD undergraduate researcher) January 2023 – September 2023
Mariela Mendoza (UCSD undergraduate researcher) April 2022 – June 2023
Julia Jorgensen (Stanford undergraduate researcher) March 2021 – June 2021

Presentations and Posters

Working memory is robust to distractor interference but not changes in stimulus noise Holly Kular and John Serences | Vision Science Society Conference May 2023

Both mOTS-words and pOTS-words prefer emoji stimuli over text stimuli during a reading task Alexia Dalski, Holly Kular, Julia Jorgenson, Kalanit Grill-Spector, Mareike Grotheer | Vision Science Society Conference May 2023