JANNA WOLD WENNBERG

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EMPLOYMENT

University of California San Diego (UCSD), La Jolla, CA — 2025 - Present
Postdoctoral Scholar, Department of Cognitive Science

University of California San Diego (UCSD), La Jolla, CA — 2026 - Present
Lecturer, Department of Psychology

EDUCATION

University of California San Diego (UCSD), La Jolla, CA — 2019 - 2025
Ph.D., Experimental Psychology (Behavioral and Cognitive Neuroscience)
Advisor: John T. Serences
Thesis: The malleable mind's eye: Interference, grouping, and flexible codes in visual working memory

Carleton College, Northfield, MN — 2015 - 2019
B.A., Mathematics

TEACHING

Instructor of record
Spring 2026: Foundations in Psychology (300 students)
Winter 2025: Foundations in Psychology (300 students)
Summer 2024: Sensory Neuroscience (30 students)
Summer 2023: Sensory Neuroscience (15 students)

Teaching Assistant
Graduate course in Quantitative Methods in Psychology (Fall 2024, Fall 2022)

Foundations in Biological Psychology (Winter 2023), Foundations in Cognitive Psychology (Fall 2021, Spring 2025), Research Methods (Fall 2023), Research Methods Laboratory (Spring 2024), Sensory Neuroscience (Fall 2020), Clinical Assessment (Spring 2024), Memory and Amnesia (Winter 2020), Scientific Racism (Spring 2025), Behavior Modification (Winter 2024), Visual Cognition (Spring 2022), Illusions and the Mind (Winter 2021)

PUBLICATIONS SUBMITTED

Wennberg, J.W., Adam, K.C.S., Serences, J.T. (2025). Distracted but not defeated: Voxel population codes in visual cortex multi-task during sensory distraction in working memory. *In prep for submission this month*

PEER-REVIEWED PUBLICATIONS

Wennberg, J.W., Serences, J.T. (2026). Similarity-driven chunking during encoding supports biased but more precise working memory. *Journal of Vision.* 26(8)

Lau, SH, **Wennberg, J.W.**, Ferreira, V.S. (2026) Do people structure words and sentences using shared mechanisms? *Journal of Memory and Language*, 146, 104708

Registered Report: **Wennberg, J.W.**, Dillman-Hasso, N., Brown, V., Strand, J. (2025). Impaired Performance In Noise: Disentangling Listening Effort from the Irrelevant Speech Effect. *Collabra: Psychology.* 11 (1): 147319.

Wennberg, J.W., Serences, J.T. Mixing and mingling in visual working memory: Inter-item competition is feature-specific during encoding and feature-general during maintenance. (2024) *Attention, Perception, & Psychophysics*

Foster, J., Thyer, W., **Wennberg, J.**, Awh, E. (2021). Covert attention increases the gain of stimulus-evoked population codes. *Journal of Neuroscience*, 41(8), 1802–1815.

AWARDS & FELLOWSHIPS

2025: National Eye Inst. Early Career Scientist Travel Grant (Vision Sciences Society)
2023: Award for Best Talk Presentation (Object Perception, Attention, and Memory)
2023: Summer Graduate Teaching Scholars Program (UCSD)
2021: Honorable Mention for NSF Graduate Research Fellowship (National Science Foundation)
2019: SHORE Fellowship (UCSD Graduate Division)
2019: Norman R. Anderson Prize in Psychology (UCSD Psychology)
2019: Steven P. Galovich Prize (Carleton College Mathematics & Statistics)

INVITED TALKS

UCSD Psychology Graduate Talk Series: An approachable introduction to Bayesian Statistics (April 2024). San Diego, CA.

Object Perception, Attention, and Memory Conference (Awarded Best Talk): Mixing and mingling: inter-item competition in visual working memory is both feature-general and feature-specific (November 2023). San Francisco, CA.

Diversifying Psychology: About Interview Day (October 2023). Virtual.

Diversifying Psychology: Visual attention and memory (October 2022). Virtual.

Vision Sciences Society, satellite event about open Science: Registered Reports: Benefits and practical considerations (May 2022). St. Pete Beach, FL.

SELECTED POSTER PRESENTATIONS

* = undergraduate co-author

Wennberg, J., Grimes, N.*, Kim, M.*, Miller, R.*, Nath, K.*, Kiyonaga, A. (November 2026). Working memory-driven semantic associations can bias attentional processing. To be presented at the Psychonomic Society Annual Meeting. San Diego, CA.

Xu, D.*, **Wennberg, J.** (November 2026). Testing the costs of pointer reassignment during chunking in working memory. To be presented at the Psychonomic Society Annual Meeting. San Diego, CA.

Wennberg, J., Adam, K., Serences, J. (May 2025) Distracted but not defeated: Voxel population codes flexibly transform to support high-fidelity working memory representations. Vision Sciences Society Meeting. St. Pete Beach, FL.

Wennberg, J., Adam, K., Serences, J. (October 2024) Mnemonic maneuvers: Voxel population codes in visual cortex multi-task to support distractor resistance in working memory. Society for Neuroscience Meeting, Chicago, IL.

Wennberg, J., Serences, J. (May 2023) Inter-item interference during encoding and maintenance. Vision Sciences Society Meeting, St. Pete Beach, FL.

Wennberg, J., Adam, K., Serences, J. (May 2022) Inter-item interference in visual working memory occurs jointly in feature-specific and feature-general codes. Vision Sciences Society Meeting, St. Pete Beach, FL.

Wennberg, J. & Störmer, V. (June 2020) The effects of cross-modal feature and location mappings on visual performance. Vision Sciences Society Meeting (virtual due to COVID-19)

PROFESSIONAL DEVELOPMENT

Certificate in Student Centered Teaching and Course Design 2023
Engaged Teaching Hub, UCSD
· Completion of 42 hours of advanced pedagogy training

Summer Graduate Teaching Scholars 2023
Engaged Teaching Hub, UCSD
· Admitted as part of a selective program

Teaching and Mentoring Workshop Series 2019
Department of Psychology, UCSD
· Completion of 12 hours of training on effective pedagogy

SERVICE & OUTREACH

PsyArXiv Scientific Advisory Board 2025 -
· Moderation subcommittee for preprint server

Psychology Dept. Head TA 2024 - 2025
· Advise graduate students in their teaching assistantships

Psychology Dept. Climate and Diversity Committee 2020 - 2025
· Committee's role is to foster equity, diversity, and inclusion

Psychology Dept. Colloquium Committee 2022 - 2024
· Escort visiting speakers presenting to the psychology department

Graduate Application Mentorship Program 2020 - 2022
· Advise undergraduates in the UC system on their Ph.D applications