

William Narhi-Martinez

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Curriculum Vitae

ACADEMIC APPOINTMENTS

- Postdoctoral Associate** 2024-Present
Yale University, New Haven, CT
Mentor: Dr. Anna C. Nobre
- Postdoctoral Scholar** 2024
The Ohio State University, Columbus, OH
Mentor: Dr. Julie D. Golomb

EDUCATION

- The Ohio State University, Columbus, OH** 2018-2023
Advisor: Dr. Julie D. Golomb
Ph.D., Cognitive Psychology
Minor, Cognitive Neuroscience Psychology
M.A., Cognitive Psychology
- The University of Iowa, Iowa City, IA** 2014-2018
Graduated with Distinction and University Honors
B.S., Psychology
With Honors in Psychology
Advisors: Dr. Andrew Hollingworth and Dr. Susan K. Lutgendorf
B.A., Spanish

PUBLICATIONS

- Narhi-Martinez, W., Dube, B., Chen, J., Leber, A.B., & Golomb, J.D. (2024). Suppression of a salient distractor protects the processing of target features. *Psychonomic Bulletin & Review*, 31(1), 223-233. <https://doi.org/10.3758/s13423-023-02339-6>
- McNally, J.A., Narhi-Martinez, W., Leber, A.B., & Golomb, J.D. (2024). Learned relevance of a distracting cue can influence feature interference errors. *Visual Cognition*, 1-13. <https://doi.org/10.1080/13506285.2024.2344721>

- Narhi-Martinez, W.**, Chen, J., & Golomb, J.D. (2023). Probabilistic visual attentional guidance triggers “feature avoidance” response errors. *Journal of Experimental Psychology: Human Perception and Performance*, 49(6), 802–820. <https://doi.org/10.1037/xhp0001095>
- Narhi-Martinez, W.**, Dube, B., & Golomb, J.D. (2023). Attention as a multi-level system of weights and balances. *WIREs Cognitive Science*, 14(1), e1633. <https://doi.org/10.1002/wcs.1633>
- Narhi-Martinez, W.**, Choi, Y.M., Dube, B., & Golomb, J.D. (*under review*). Allocation of spatial attention in human visual cortex as a function of endogenous cue validity.

CONFERENCE PRESENTATIONS

- Narhi-Martinez, W.**, Choi, Y.M., Dube, B., & Golomb, J.D. (2024). Allocation of spatial attention in human visual cortex as a function of endogenous cue validity. Poster presentation at the VSS conference, St. Pete Beach, FL.
- Lout, E., **Narhi-Martinez, W.**, Dube, B., & Golomb, J.D. (2024). Object-location binding in visual working memory prevents effective updating. Poster presentation at the VSS conference, St. Pete Beach, FL.
- Narhi-Martinez, W.**, Choi, Y.M., Dube, B., & Golomb, J.D. (2023). Allocation of spatial attention in human visual cortex as a function of endogenous cue validity. Poster presentation at the OPAM conference, San Francisco, CA.
- Lout, E., **Narhi-Martinez, W.**, Dube, B., & Golomb, J.D. (2023). How does spatial updating in visual working memory impact feature processing? Poster presentation at the OPAM conference, San Francisco, CA.
- Narhi-Martinez, W.**, Lu, Z., Brown, A.M., Golomb, J.D., & Lindsey, D.T. (2023). Examining Hering’s theory for color responses in human V1 and V4. Poster presentation at the VSS conference, St. Pete Beach, FL.
- McNally, J.A., **Narhi-Martinez, W.**, Leber, A.B., & Golomb, J.D. (2023). Learned reliability of a distracting cue impacts feature errors. Poster presentation at the VSS conference, St. Pete Beach, FL.
- Narhi-Martinez, W.**, Lu, Z., Brown, A.M., Golomb, J.D., & Lindsey, D.T. (2022). Examining Hering’s theory for color responses in human V1 and V4. Poster presentation at CCBBI Research Day, Columbus, OH.
- Narhi-Martinez, W.**, McNally, J.A., Dube, B., Leber, A.B., & Golomb, J.D. (2022). Experience-driven attention: How learning where to attend and where to avoid impacts feature interference. Poster presentation at the OPAM conference, Boston, MA.

- Narhi-Martinez, W., Dube, B., Chen, J., Leber, A.B., & Golomb, J.D. (2022).** Learned distractor locations can reduce feature interference. Poster presentation at the HVD conference, Ammersee, Germany.
- Narhi-Martinez, W., Dube, B., Chen, J., Leber, A.B., & Golomb, J.D. (2022).** Learned distractor locations can reduce feature interference. Poster presentation at the VSS conference, St. Pete Beach, FL.
- Narhi-Martinez, W., Dube, B., Chen, J., Leber, A.B., & Golomb, J.D. (2021).** Learned distractor locations can reduce feature interference. Poster presentation at the OPAM conference, held online.
- Narhi-Martinez, W., Chen, J., & Golomb, J.D. (2021).** Feature avoidance: A result of probabilistic attentional guidance. Poster presentation at the V-VSS conference, held online.
- Narhi-Martinez, W., Olaker, V., Chen, J., & Golomb, J.D. (2020).** Feature avoidance errors when learned probabilities guide attention to a nontarget. Poster presentation at the V-VSS conference, held online.
- Narhi-Martinez, W., Chen, J., & Golomb, J.D. (2019).** The impact of experience-dependent attentional guidance on continuous feature reports. Poster presentation at the OPAM conference, Montréal, QC.
- Narhi-Martinez, W., Bahle, B., & Hollingworth, A. (2018).** Contextually cued visual sequences of attention. Poster presentation at the OPAM conference, New Orleans, LA.
- Narhi-Martinez, W., Bahle, B., & Hollingworth, A. (2017).** Visual sequences and the guidance of attention. Poster presentation at the Summer Undergraduate Research Festival, Iowa City, IA.
- Narhi-Martinez, W., Deming, R., & Lutgendorf, S.K. (2016).** Facilitating post-cancer growth: assessing the impacts of an “above and beyond cancer” intervention. Poster presentation at the Summer Undergraduate Research Conference, Iowa City, IA.
- Narhi-Martinez, W., Shinn, E., Sood, A., Karlan, B., Moore, K., Levine, D., & Lutgendorf, S.K. (2015).** Quality of life in long-term advanced stage ovarian cancer survivors. Poster presentation at the Fall Undergraduate Research Festival, Iowa City, IA.

TALKS

- Narhi-Martinez, W. (2023).** *Experience-driven attention: How learning what to attend and what to avoid impacts feature interference.* Cognitive psychology area proseminar, The Ohio State University.
- Narhi-Martinez, W. (2022).** *Learned distractor locations can reduce feature interference.* Cognitive psychology area proseminar, The Ohio State University.

Narhi-Martinez, W. (2021). *Feature avoidance: A result of probabilistic attentional guidance*. Cognitive psychology area proseminar, The Ohio State University.

Narhi-Martinez, W. (2021). *Impacts of experience-dependent attention on feature encoding and recall*. Cognitive neuroscience area proseminar, The Ohio State University.

Narhi-Martinez, W. (2020). *Feature avoidance*. Cognitive psychology area proseminar, The Ohio State University.

Narhi-Martinez, W. (2019). *Spatial probability cueing and feature-binding report errors*. Cognitive psychology area proseminar, The Ohio State University.

TEACHING EXPERIENCE

Graduate Teaching Assistant 2021-2023
The Ohio State University, Columbus, OH

- Lectured PSYCH:1100 – Introduction to Psychology

Graduate Course Assistant 2020-2021
The Ohio State University, Columbus, OH

- Assisted instructors with:
 - PSYCH:4500 – Cognitive Psychology Laboratory
 - PSYCH:3312 – Memory & Cognition
 - PSYCH:3310H – Sensation & Perception (Honors)

Undergraduate/Post-Baccalaureate Mentoring 2018-2023
The Ohio State University, Columbus, OH

- Eva Lout (2022-2024): Object-location binding in visual working memory prevents effective updating
- John McNally (2021-2023): How Does the Reliability of a Distracting Cue Affect Feature Errors? (*honors thesis*)
- Veronica Olaker (2018-2021): Probabilistic visual attentional guidance triggers “feature avoidance” response errors

PROFESSIONAL DEVELOPMENT AND ENGAGEMENT

Ad-hoc Reviewer

- Attention, Perception, & Psychophysics
- Psychological Research
- Scientific Reports
- Journal of Cognitive Neuroscience

Organizer 2024-2025
Object Perception, Attention, and Memory (OPAM) Conference

President 2021-2023
Center for Cognitive and Behavioral Brain Imaging (CCBBI) Student Group, Columbus, OH

Treasurer 2019-2021
Center for Cognitive and Behavioral Brain Imaging (CCBBI) Student Group, Columbus, OH

Scholar 2015-2018
Iowa Biosciences Academy (IBA), Iowa City, IA

Student Ally 2017-2018
U. of I. Louis Stokes Alliance for Minority Participation (LSAMP) Program, Iowa City, IA

OUTREACH

Graduate Student Panels 2020-2023
The Ohio State University, Columbus, OH & The University of Iowa, Iowa City, IA

OSU Psychology Area Representative 2019-2023
COSI Science Festival, Columbus, OH.

AWARDS AND SCHOLARSHIPS

Monahan Award 2022

V-VSS Travel Award 2021

Graduate Enrichment Fellowship 2019-2020

University Fellowship 2018-2019

Summer Hawk Tuition Grant 2017

Iowa Scholars Award 2014-2018

Advantage Iowa Award 2014-2018

National Hispanic Scholars/Provost Scholarship 2014-2018

Old Gold Scholarship 2014-2018

E. M. Byerly Scholarship 2014-2015

Private Education Trust Award 2014-2015

RESEARCH SKILLS

- Behavioral experimental design, data collection, and analysis
- Programming in MATLAB, HTML/JavaScript, and PsychoPy
- Probabilistic mixture modeling
- Eyelink eye-tracking implementation
- fMRI data collection and analyses (univariate, MVPA, RSA, FIR, retinotopic mapping)
- Ad-hoc reviewing for peer-reviewed journals
- MATLAB, JASP, BrainVoyager, and FreeSurfer analysis software
- Adobe Illustrator and Microsoft PowerPoint graphics software
- Microsoft Excel spreadsheet software