

# JOSEPH M. SAITO

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## EDUCATION & TRAINING

<b>University of California, San Diego</b> , San Diego, CA, USA Post-Doctoral Researcher, Advisor: Timothy F. Brady	2024 – Present
<b>University of Toronto</b> , Toronto, ON, CA Ph.D. Psychology, Advisor: Keisuke Fukuda	2020 – 2024
<b>University of Toronto</b> , Toronto, ON, CA M.A. Psychology, Advisor: Keisuke Fukuda	2019 – 2020
<b>University of Notre Dame</b> , South Bend, IN, USA Lab Coordinator, Advisor: Nathan S. Rose	2017 – 2019
<b>University of San Francisco</b> , San Francisco, CA, USA B.A. Psychology (summa cum laude), Thesis Advisor: Benjamin J. Levy	2013 – 2016

## HONORS, AWARDS, & FELLOWSHIPS

Cermak/Corkin Post-Doc Award, Memory Disorders Research Society	2025
Ontario Graduate Scholarship, Province of Ontario, \$15,000	2023 – 2024
Early Career Scientist Travel Grant, National Eye Institute, \$550	2022
Professional Development Award, Object Perception, Attention, & Memory Conference, \$200	2021
Graduate Legacy Fellowship <sup>1</sup> , Florida State University, \$10,000/year	2019 – 2024
Undergraduate Research Grant, Psi Chi Honor Society in Psychology, \$550	2015 – 2016
University Scholar, University of San Francisco, \$26,000/year	2013 – 2016

## PUBLICATIONS

\* Denotes undergraduate trainee under my supervision; † Denotes co-first authorship

### Refereed Contributions

- Saito, J. M.**, Printzlau, F. A. B., Yeo, Y.\*, & Fukuda, K. (2025). Working memory prioritization changes bidirectional interactions with visual inputs. *Journal of Experimental Psychology: General*. Advance online publication. <https://doi.org/10.1037/xge0001813>
- Teoh, J.\*, **Saito, J. M.**, Yeo, Y.\*, Winter, S., & Fukuda, K. (2024). Perceptual comparisons induce lasting and generalizing changes to face memory reports. *Cognitive Research: Principles and Implications*, 9(57). <https://doi.org/10.1186/s41235-024-00584-4>
- Rose, N. S. & **Saito, J.M.** (2024). Naturalistic assessments in virtual reality and in real life help resolve the age-prospective memory paradox. *Aging, Neuropsychology, & Cognition*. 1-38. <https://doi.org/10.1080/13825585.2024.2315791>
- Zhao, C., Kim, J., Tang, T. H., **Saito, J. M.**, & Fukuda, K. (2024). Deep neural network decodes aspects of stimulus-intrinsic memorability inaccessible to humans. *Journal of Experimental Psychology: General*, 153(4), 1131–1138. <https://doi.org/10.1037/xge0001543>

<sup>1</sup> Declined, accepted admission to University of Toronto

- Saito, J. M.**, Bae, G.-Y., & Fukuda, K. (2024). Judgments during perceptual comparisons predict distinct forms of memory updating. *Journal of Experimental Psychology: General*, 153(1), 38–55. <https://doi.org/10.1037/xge0001469>
- Saito, J. M.**, Duncan, K., & Fukuda, K. (2023). Comparing visual memories to similar visual inputs risks lasting memory distortion. *Journal of Experimental Psychology: General*, 152(8), 2318–2330. <https://doi.org/10.1037/xge0001400>
- Saito, J. M.**, Kolisnyk, M.<sup>†</sup>, & Fukuda, K. (2022). Judgments of learning reveal conscious access to stimulus memorability. *Psychonomic Bulletin & Review*, 30, 317–330. <https://doi.org/10.3758/s13423-022-02166-1>
- Saito, J. M.**, Kolisnyk, M.<sup>\*</sup>, & Fukuda, K. (2022). Perceptual comparisons modulate memory biases induced by new visual inputs. *Psychonomic Bulletin & Review*, 30, 291–302. <https://doi.org/10.3758/s13423-022-02133-w>
- Fukuda, K., Tozios, C. J. I., & **Saito, J. M.** (2022). Limited access to an unlimited store: Mechanistic constraints and limitations in the voluntary control of visual long-term memory. In T. F. Brady & W. A. Bainbridge (Eds.), *Visual Memory*. Abingdon, England: Routledge.
- Fukuda, K., Pereira, A. E., **Saito, J. M.**, Tang, T. Y., Tsubomi, H., & Bae, G.-Y. (2022). Working memory content is distorted by its use in perceptual comparisons. *Psychological Science*, 33(5), 816–829. <https://doi.org/10.1177%2F09567976211055375>

### **Forthcoming Contributions**

- Hames, J. H., Rose, N. S., Villano, M., Lam, J. C., **Saito, J. M.**, & Cogle, J. R. (submitted). Testing the efficacy of virtual reality exposure therapy versus in vivo exposure for fear of heights: A randomized non-inferiority trial. *Behavior Research and Therapy*.

### **CONFERENCE PRESENTATIONS**

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\* Denotes undergraduate trainee under my supervision; † Denotes co-first authorship

#### **Oral Presentations**

- Saito, J. M.** & Brady, T.F. (2025, October). *Expectations reveal adaptive integration between perception and visual working memory*. Talk presented at the Annual Meeting of the Memory Disorders Research Society (MDRS).
- Saito, J. M.**, Printzlau, F., Yeo, Y.<sup>\*</sup>, & Fukuda, K. (2025, September). Working memory prioritization produces asymmetrical interactions with perception. In C. Hautekiet (Chair), *The Focus of Attention: Insights, Progress, and What Lies Ahead* [Symposium] Annual Meeting of the European Society for Cognitive Psychology, Sheffield, UK.
- Saito, J. M.**, Ferber, S., Barense, M.D., & Fukuda, K. (2024, July). *Perceptual comparisons are necessary and sufficient for the formation of persistent memory biases*. Talk presented at the Annual Working Memory Symposium (WMS).
- Saito, J. M.** & Fukuda, K. (2023, November). *Predictable Learning Demands Enable Down-regulation of Visual Long-Term Encoding*. Talk presented at the Annual Meeting of the Psychonomic Society, San Francisco, CA.
- Saito, J. M.**, Printzlau, F., Yeo, Y.<sup>\*</sup>, & Fukuda, K. (2022, November). *Attentional Prioritization in Working Memory Changes Interactions with Task-Relevant Perception*. Talk presented at the Object Perception, Attention, & Memory (OPAM) Conference, Boston, MA.
- Saito, J. M.**, Kolisnyk, M.<sup>\*</sup>, & Fukuda, K. (2022, July). *Judgments of Learning Reveal Conscious Access to Stimulus Memorability*. Talk presented at the Annual Meeting of the Canadian Society for Brain, Behavior, and Cognitive Science (CSBBCS), Halifax, NS.
- Saito, J. M.**, Printzlau, F., Yeo, Y., & Fukuda, K. (2022, June). *Attentional Prioritization in Working Memory Changes Interactions with Task-Relevant Perception*. Talk presented at the Annual Working Memory Symposium (WMS).

- Saito, J. M.**, Kolisnyk, M.\* & Fukuda, K. (2022, May). *Subjective Judgments of Learning Reveal Conscious Access to Stimulus Memorability*. Talk presented at the Annual Meeting of the Vision Sciences Society (VSS), St. Petersburg, FL.
- Saito, J. M.**, Kolisnyk, M.\*, Bae, G. Y., & Fukuda, K. (2021, June). *Judgments During Perceptual Comparisons Predict Distinct Forms of Memory Updating*. Talk presented at the Annual Working Memory Symposium (WMS).
- Saito, J. M.**, Kolisnyk, M.\*, & Fukuda, K. (2020, November). *Task Demands Modulate Memory Biases Induced by Overlapping Perceptual Input*. Talk presented at the Object Perception, Attention, & Memory (OPAM) Conference, Austin, TX.

### **Poster Presentations**

- Saito, J. M.**, Li, B.\* & Brady, T.F. (2025, May). *Decision-making modulates perceptual interference beyond sensory interactions*. Poster presented at the Annual Meeting of the Vision Sciences Society (VSS), St. Petersburg, FL.
- Saito, J. M.**, Ferber, S., Barense, M.D., & Fukuda, K. (2024, November). *Perceptual comparisons are necessary and sufficient for the persistence of memory biases across time*. Poster presented at the Annual Meeting of the Psychonomic Society, New York City, NY.
- Saito, J. M.**, Ferber, S., Barense, M.D., & Fukuda, K. (2024, May). *Perceptual comparisons are necessary and sufficient for the persistence of memory biases across time*. Poster presented at the Annual Meeting of the Vision Sciences Society (VSS), St. Petersburg, FL.
- Saito, J. M.** & Fukuda, K. (2024, April). *Voluntary down-regulation of memory encoding occurs via attentional withdrawal, not active suppression*. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society (CNS), Toronto, ON.
- Williams, R. S.†, **Saito, J. M.**†, Fukuda, K., & Ferber, S. (2024, April). *Tracking the transition from stimulus-specific object representations to category-level abstractions during visual search*. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society (CNS), Toronto, ON.
- Saito, J. M.** & Fukuda, K. (2023, May). *Predictable learning demands enable direct down-regulation of visual long-term memory encoding*. Poster presented at the Annual Meeting of the Vision Sciences Society (VSS), St. Petersburg, FL.
- Saito, J. M.**, Printzlau, F., Yeo, Y.\*, & Fukuda, K. (2022, November). *Attentional Prioritization in Working Memory Changes Interactions with Task-Relevant Perception*. Poster presented at the Annual Meeting of the Psychonomic Society, Boston, MA.
- Saito, J. M.**, Bae, G. Y., & Fukuda, K. (2021, November). *Judgments During Perceptual Comparisons Predict Distinct Forms of Memory Updating*. Poster presented at the Object Perception, Attention, & Memory (OPAM) Conference, New Orleans, LA.
- Saito, J. M.**, Kolisnyk, M.\*, & Fukuda, K. (2021, May). *Explicit Perceptual Comparisons Modulate Memory Biases Induced by Overlapping Visual Input*. Poster presented at the Annual Meeting of the Vision Sciences Society (VSS), St. Petersburg, FL.
- Teoh, Y. J.\*, Khan, S.\*, Yeo, Y.\*, **Saito, J. M.**, & Fukuda, K. (2021, May). *Comparisons with Similar Faces Induce Lasting Distortions in Face Memories*. Poster presented at the Annual Meeting of the Vision Sciences Society (VSS), St. Petersburg, FL.
- Babiy, Z.\*, Yeo, Y.\*, **Saito, J. M.**, & Fukuda, K. (2021, May). *Perceptual Comparisons Induce Varying Forms of Memory Updating*. Poster presented at the Annual Meeting of the Vision Sciences Society (VSS), St. Petersburg, FL.
- Saito, J. M.**, & Fukuda, K. (2020, May). *Visual memories can recover from recognition-induced memory biases*. Poster presented at the Annual Meeting of the Vision Sciences Society (VSS), St. Pete Beach, FL.

Joseph M. Saito, Department of Psychology, University of California San Diego

Fukuda, K., Pereira, A., **Saito, J. M.**, & Tsubomi, H. (2020, May). *Recognition-induced memory bias (RIMB) in visual working memory*. Poster presented at the Annual Meeting of the Vision Sciences Society (VSS), St. Petersburg, FL.

**Saito, J. M.**, & Fukuda, K. (2020, February). *Visual memories can recover from recognition-induced memory biases*. Poster presented at the Annual Meeting of the Lake Ontario Visionary Establishment (LOVE), Niagara Falls, ON.

**Saito, J. M.**, Lam, J., Rose, N. S., Villano, M., Cogle, J., Hames, J. L., (2019, March). *The Efficacy of Single-Session Exposure Therapy Using Virtual Reality*. Poster presented at Notre Dame Advanced Diagnostics & Therapeutics External Review Session, Notre Dame, IN.

**Saito, J. M.**, Rose, N. S. (2018, May). *Validation of Virtual Reality for Measuring Prospective Memory in Young and Older Adults*. Poster presented at the Annual Meeting for the Association of Psychological Science (APS), San Francisco, CA.

**Saito, J. M.**, Beloff, M.\*, Haile, L.\*, Levy, B. J. (2017, April). *The effects of attentional filtering on associative long-term memory formation across the lifespan*. Poster presented at the Annual Meeting of the Western Psychological Association (WPA), Sacramento, CA.

Uchigakiuchi, T., **Saito, J. M.**, Biba, T., Chi, A., Soriano Smith, R., & Levy, B. J. (2017, April). *The reliability of retrieval-induced forgetting revisited*. Poster presented at the Annual Meeting of the Western Psychological Association (WPA), Sacramento, CA.

## INVITED TALKS

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University of South Dakota, Memory & Attention Lab (Ricker, T.J.)	2025
University of San Francisco, Learning & Memory Lab (Levy, B.J.)	2022
University of Toronto Mississauga, Psychology Seminar	2020

## TEACHING EXPERIENCE

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### Instructor of Record

PSYC174 Visual Cognition  
PSY100 Introduction to Psychology Tutorial (x3)  
PSY372 Human Memory (x2)

### Teaching Assistant

PSY100 Introduction to Psychology  
PSY270 Cognition  
PSY290 Introduction to Neuroscience  
PSY372 Human Memory  
PSY385 Human Factors  
PSY480 Special Topics in Perception

## MENTORSHIP

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### Undergraduate Students

Clarissa Hodges, University of California San Diego (Honors Student)	2024 – Present
Evangeline Morishige, University of California San Diego	2024 – Present
Boheng Li, University of California San Diego (Honors Student)	2024 – 2025
Hojae Kim, University of Toronto	2023 – 2024
Sean Cai, University of Toronto	2023 – 2024
Matthew Kolisnyk, University of Toronto (Honors Student)	2020 – 2022
Yvanna Yeo, University of Toronto	2020 – 2022

Joseph M. Saito, Department of Psychology, University of California San Diego

Sarah Kahn, University of Toronto	2020 – 2021
Jerrick Teoh, University of Toronto (Honors Student)	2020 – 2021
Zoryana Babiy, University of Toronto	2020 – 2021
Madison Beloff, University of San Francisco	2016 – 2017
Lingo Haile, University of San Francisco	2016 – 2017

## PROFESSIONAL SERVICE

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Undergraduate Journal Club, Organizer, University of California San Diego	2025 – Present
Editor-in-Chief Search for <i>Attention, Perception, &amp; Psychophysics</i> , Committee Member	2025
Cognitive Neuroscience Society Trainee Association, Organizer	2024
Canadian Association for Girls in Science, Volunteer	2023
Ebbinghaus Empire Colloquium, Organizer, University of Toronto	2021 – 2022
Undergraduate Journal Club, Organizer, University of Toronto	2020 – 2021

## REVIEWING

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<i>Journal of Experimental Psychology: General</i>	<i>Memory &amp; Cognition</i>
<i>Journal of Vision</i>	<i>Psychophysiology</i>
<i>Psychonomic Bulletin &amp; Review</i>	<i>Frontiers in Psychology</i>
<i>Attention, Perception, &amp; Psychophysics</i>	<i>Visual Cognition</i>
<i>Current Biology</i>	<i>Journal of Memory &amp; Language</i>
<i>Cognition</i>	

## SOCIETAL MEMBERSHIP

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Cognitive Neuroscience Society  
Memory Disorders Research Society  
Psychonomic Society  
Vision Sciences Society