

JOSEPH M. SAITO

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EDUCATION & TRAINING

University of Toronto , Toronto, ON, CA Ph.D. Psychology, Advisor: Keisuke Fukuda	2020 – Present
University of Toronto , Toronto, ON, CA M.A. Psychology, Advisor: Keisuke Fukuda	2019 – 2020
University of Notre Dame , South Bend, IN, USA Lab Manager, Advisor: Nathan S. Rose	2017 – 2019
University of San Francisco , San Francisco, CA, USA B.A. Psychology (<i>summa cum laude</i>), Thesis Advisor: Benjamin J. Levy	2013 – 2016

HONORS & FUNDING AWARDED

Fellowships & Grants

<i>Ontario Graduate Scholarship</i> , University of Toronto, \$15,000/year, 1-year tenure	2023—2024
<i>Graduate Legacy Fellowship</i> ¹ , Florida State University, \$10,000/year, 5-year tenure	2019 – 2024
<i>University Scholarship</i> , University of San Francisco, \$29,000/year, 4-year tenure	2013 – 2016

Awards & Recognitions

<i>Early Career Scientist Travel Grant</i> , National Eye Institute, \$550, One-Time	2022
<i>Professional Development Award</i> , Object Perception, Attention, and Memory Conference, \$200, One-Time	2021
<i>Undergraduate Research Grant</i> , Psi Chi Honor Society in Psychology, \$550, One-time	2015

PUBLICATIONS

* Denotes undergraduate trainee under my supervision

Refereed Contributions

- Hames, J. L., Rose, N. S., Villano, M., Lam, J. C., **Saito, J. M.**, & Cogle, J. R. (submitted). Testing the efficacy of virtual reality exposure versus in vivo exposure for fear of heights: A randomized non-inferiority trial. *Journal of Consulting and Clinical Psychology*.
- Zhao, C., Kim, J., Tang, T. H., **Saito, J. M.**, & Fukuda, K. (in review). Deep neural network decodes aspects of stimulus-intrinsic memorability inaccessible to humans. *Journal of Experimental Psychology: General*.
- Rose, N. S. & **Saito, J.M.** (in review). Naturalistic assessments in virtual reality and in real life help resolve the age-prospective memory paradox. *Aging, Neuropsychology, & Cognition*.
- Saito, J. M.**, Bae, G. Y., & Fukuda, K. (in press). Judgments during perceptual comparisons predict distinct forms of memory updating. *Journal of Experimental Psychology: General*.
- Saito, J. M.**, Duncan, K., & Fukuda, K. (2023). Comparing visual memories to similar visual inputs risks lasting memory distortion. *Journal of Experimental Psychology: General*. Advance online publication.
<https://doi.org/10.1037/xge0001400>

¹ Declined, accepted admission to University of Toronto

Joseph M. Saito, Department of Psychology, University of Toronto

Saito, J. M., Kolisnyk, M., & 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.*, & 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

Zhao, C., Kim, J., Tang, T. H., **Saito, J. M.**, & Fukuda, K. (2023, February 18). Deep neural network decodes aspects of stimulus-intrinsic memorability inaccessible to humans. *PsyArXiv*. <https://doi.org/10.31234/osf.io/urz5s>

Rose, N. S. & **Saito, J. M.** (2023, February 7). Naturalistic assessments in virtual reality and in real life help resolve the age-prospective memory paradox. *PsyArXiv*. <https://doi.org/10.31234/osf.io/ud3ea>

CONFERENCE PRESENTATIONS

* Denotes undergraduate trainee under my supervision

Oral Presentations

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., & 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., & 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 (CSBBS), 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. & 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.

Joseph M. Saito, Department of Psychology, University of Toronto

- 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.
- 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.

TEACHING EXPERIENCE

Course Instructor, University of Toronto

PSY100 Introduction to Psychology Tutorial

2020 – Present

PSY372 Human Memory

2022

Teaching Assistant, University of Toronto

PSY480 Special Topics in Perception

2023 – Present

PSY372 Human Memory

2019 – Present

PSY270 Cognition

2019 – Present

PSY100 Introduction to Psychology

2019 – 2020

REVIEWING

Journal of Experimental Psychology: General

Journal of Vision

Joseph M. Saito, Department of Psychology, University of Toronto

Attention, Perception, & Psychophysics

Memory & Cognition

PROFESSIONAL SERVICE

Canadian Association for Girls in Science, Volunteer, Mississauga, ON

2023 – Present

Ebbinghaus Empire Invited Speaker Series, Organizer, University of Toronto

2021 – 2022

SKILLS

Programming & Data Analysis: MATLAB, Python, Inquisit, JASP, R

Statistics: General linear model, mixture modeling, simulation

Methods: Psychophysics, electroencephalography

Miscellaneous: Keynote, Excel, Dropbox, Qualtrics