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# Timothy J. Ricker, Ph.D.

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## Academic Appointments

University of South Dakota, Department of Psychology
- Associate Professor 2024 – Present
- Assistant Professor 2020 – 2024

City University of New York, College of Staten Island
- Assistant Professor 2015 – 2020

University of Missouri, Department of Psychological Sciences
- Post-Doctoral Fellow 2013 – 2015

## Education

Ph.D., Psychology, University of Missouri 2013
- Dissertation: The Nature of Time-Based Forgetting in Immediate Memory
- Faculty Mentor: Dr. Nelson Cowan

M.A., Psychology, University of Missouri 2009
- Thesis: Cognitive Load and Time-Based Forgetting
- Faculty Mentor: Dr. Nelson Cowan

B.A., Psychology, Michigan State University 2006

## Grant Funding (External)

***Funded***

1. Bayesian Neurocomputational Model of Cognitive Change in Multiple Sclerosis #1R01NS136523
   - Funding Source: National Institute of Neurological Disorders and Stroke
   - PI: Dr. James Sumowski, Ichan School of Medicine at Mount Sinai
   - Role: Coinvestigator (subsite PI)
   - Award Period: April 2025 – February 2030
   - Total Budget: $3,179,370
     - Subsite Budget: $86,414
2. Free time and action-based offloading in adult and child working memory
   - Funding Source: Swiss National Science Foundation
   - PI: Evie Vergauwe, University of Geneva
   - Role: Project Partner
   - Award Date: June 2024 – May 2028
   - Total Budget: $ 1,078,811
3. Pilot Research Grant: Mathematical Models of Motor and Mental Speed
   - Funding Source: Consortium of Multiple Sclerosis Centers
   - Primary Investigator: Joshua Sandry, Montclair State University
   - Role: Consultant
   - Award Date: January 2018 – December 2019
   - Total Budget: $39,083

4. National Research Service Award (F31): Behavioral and Electrophysiological Measures of Forgetting in Working Memory #F31MH094050
   - Funding Source: National Institute of Mental Health
   - Role: Primary Investigator
   - Award Date: July 2011 – May 2013
   - Total Budget: $61,641

# Publications

**Citations:** 2039, **h-index:** 20, **i10-index:** 28, metrics complied by Google Scholar

### *Journal Articles*

1. Marino, A.N., Cotton, K., Ricker, T.J., & Sandry, J. (accepted). Reward-based prioritization and perceptual feature effects on attentional flexibility in working memory. *Attention, Perception, & Psychophysics*.
2. Ricker, T.J., Cagna, C.J., Tong, T.T., Dobryakova, E., & Sandry, J. (2026). Reward-based prioritization in working memory is distinct from recency and due to a resource trade-off. *Psychonomic Bulletin & Review, 33,* 8. https://doi.org/10.3758/s13423-025-02810-6
3. Cotton, K., Sandry, J., & Ricker, T.J. (2024). Secondary task engagement drives the McCabe effect in long-term memory. *Memory & Cognition, 52,* 1762-1774. https://doi.org/10.3758/s13421-023-01450-2
4. Cotton, K., Sandry, J., & Ricker, T.J. (2023). The effects of mind-wandering, cognitive load, and task engagement on working memory performance in remote online experiments. *Experimental Psychology. 70,* 271-284. https://doi.org/10.1027/1618-3169/a000599
5. Ricker, T.J., Souza, A., & Vergauwe, E. (2023). Feature identity determines representation structure in working memory. *Journal of Experimental Psychology: General, 152,* 2925-2940. https://doi.org/10.1037/xge0001427
6. Hebert, K.R. & Ricker, T.J. (2023). Reliability of the emotional experiences in activities of daily living scale (EEADLs). *Occupational Therapy Journal of Research: Occupation, Participation and Health, 43, 271-279*. https://doi.org/10.1177/15394492221085288
7. Cotton, K. & Ricker, T.J. (2023). Is there a role of creativity in the relationship between working memory consolidation and long-term memory? *Attention, Perception, & Psychophysics, 85, 1550–1565*. https://doi.org/10.3758/s13414-022-02598-w
8. Sandry, J., & Ricker, T.J. (2022). Motor speed does not impact the drift rate: A computational hierarchical Drift Diffusion approach to differentiate cognitive and motor speed. *Cognitive Research: Principles and Implications, 7,* 66. https://doi.org/10.1186/s41235-022-00412-7
9. Mui, M., Ruben, R.M., Ricker, T.J., Dobryankova, E., & Sandry, J. (2022). Ex-Gaussian analysis of simple response time and the relationship with brain morphometry in multiple sclerosis. *Multiple Sclerosis and Related Disorders, 63,* 103890. https://doi.org/10.1016/j.msard.2022.103890
10. Ricker, T.J., & Vergauwe, E. (2022). Boundary conditions for observing cognitive load effects in visual working memory. *Memory & Cognition, 50,* 1169-1185. https://doi.org/10.3758/s13421-022-01320-3
11. Cotton, K. & Ricker, T.J. (2022). Examining the relationship between working memory consolidation and long-term memory consolidation. *Psychonomic Bulletin & Review, 19,* 1625-1648. https://doi.org/10.3758/s13423-022-02084-2
12. Cotton, K. & Ricker, T.J. (2021). Working memory consolidation improves long-term memory recognition. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 47,* 208–219. https://doi.org/10.1037/xlm0000954
13. Sandry, J., Zuppichini, M.D., & Ricker, T.J. (2020). Attentional flexibility and prioritization improve long-term memory. *Acta Psychologica, 208,* 103104. https://doi.org/10.1016/j.actpsy.2020.103104
14. Sandry, J. & Ricker, T.J. (2020). Prioritization within visual working memory reflects a flexible focus of attention. *Attention, Perception, & Psychophysics,* 82, 2985–3004. https://doi.org/10.3758/s13414-020-02049-4
15. Ricker, T.J. & Vergauwe, E. (2020). Consistent failure to produce a cognitive load effect in visual working memory using a standard dual-task procedure. *Journal of Cognition, 3,* 1–10. https://doi.org/10.5334/joc.108.

16. Ricker, T.J., Sandry, J. Vergauwe, E., & Cowan, N. (2020). Do familiar memory items decay? *Journal of Experimental Psychology: Learning, Memory, and Cognition. 46, 60–76.* https://doi.org/10.1037/xlm0000719
17. Vergauwe, E., Ricker, T.J., Langerock, N., & Cowan, N. (2019). What do people typically do between list items? The nature of attention-based mnemonic activities depends on task context. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 45, 779-794.* https://doi.org/10.1037/xlm0000625
18. Ricker, T.J. & Sandry, J. (2018) The relationship between masking and short-term consolidation during recall from visual working memory. *Annals of the New York Academy of Sciences, 1424,* 91-101. https://doi.org/10.1111/nyas.13641
19. Ricker, T.J., Nieuwenstein, M., Bayliss, D.M. & Barrouillet, P. (2018). Working memory consolidation: Insights from studies on attention and working memory. *Annals of the New York Academy of Sciences, 1424,* 8-18. https://doi.org/10.1111/nyas.13633
20. Ricker, T.J. & Hardman, K.O. (2017). The nature of short-term consolidation in visual working memory. *Journal of Experimental Psychology: General, 146,* 1551-1573. https://doi.org/10.1037/xge0000346
21. Ricker, T.J., Thiele, J., Swagman, A.R., & Rouder, J. (2017). Recognition decisions from visual working memory are mediated by continuous latent strengths. *Cognitive Science, 41,* 1510–1532. https://doi.org/10.1111/cogs.12436
22. Hardman, K.O., Vergauwe, E., & Ricker, T.J. (2017). Categorical working memory representations are used in delayed estimation of continuous colors. *Journal of Experimental Psychology: Human Perception and Performance, 43,* 30-54. https://doi.org/10.1037/xhp0000290
23. Ricker, T.J., Vergauwe, E., & Cowan, N. (2016). Decay theory of immediate memory: From Brown (1958) to today (2014). *Quarterly Journal of Experimental Psychology, 69,* 1969-1995. https://doi.org/10.1080/17470218.2014.914546
24. Ricker, T.J. (2015). The role of short-term consolidation in memory persistence. *AIMS Neuroscience, 2*, 259–279. https://doi.org/10.3934/Neuroscience.2015.4.259
25. Ricker, T.J., Vergauwe, E., Hinrichs, G.A., Blume, C.L., & Cowan, N. (2015). No recovery of memory when cognitive load is decreased. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 41,* 872-880. https://doi.org/10.1037/xlm0000084
26. Cowan, N., Ricker, T.J., Clark, K.M., Hinrichs, G.A., & Glass, B.A. (2015). Knowledge cannot explain the developmental growth of working memory capacity. *Developmental Science, 18,* 132–145. https://doi.org/10.1111/desc.12197
27. Ricker, T.J., Spiegel, L.R., & Cowan, N. (2014). Time-based loss in visual short-term memory is from trace decay, not temporal distinctiveness. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 40,* 1510-1523. https://doi.org/10.1037/xlm0000018
28. Ricker, T.J. & Cowan, N. (2014). Differences in presentation methods in working memory procedures: A matter of working memory consolidation. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 40,* 417-428. https://doi.org/10.1037/a0034301
29. Cowan, N., AuBuchon, A.M., Gilchrist, A.L., Ricker, T.J., & Saults, J.S. (2011). Age differences in visual working memory capacity: Not based on encoding limitations. *Developmental Science, 14,* 1066-1074. https://doi.org/10.1111/j.1467-7687.2011.01060.x.
30. Ricker, T.J. & Cowan, N. (2010). Loss of visual working memory within seconds: The combined use of refreshable and non-refreshable features. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 36,* 1355-1368. https://doi.org/10.1037/a0020356
31. Ricker, T.J., Cowan, N., & Morey, C.C. (2010). Visual working memory is disrupted by covert verbal retrieval. *Psychonomic Bulletin & Review, 17,* 516-521. https://doi.org/10.3758/PBR.17.4.516
32. Ricker, T.J., AuBuchon, A., & Cowan, N. (2010). Working memory. In L. Nadel (Ed.), *Wiley Interdisciplinary Reviews: Cognitive Science, 1,* 573-585. https://doi.org/10.1002/wcs.50

### *Book Chapters*

33. Ricker, T.J. & Cowan, N. (2018). Cognitive load as a measure of capture of the focus of attention. In R. Zheng (Ed.), *Cognitive Load Measurement and Application: A Theoretical Framework for Meaningful Research and Practice*. New York, NY: Routledge. (pp. 129-146)

### *Conference Proceedings (Peer-Reviewed)*

34. Parshina, O., Obied, R. Che, E.S., Ricker, T.J., & Brooks, P.J. (2018). SRT and ASRT: Similar tasks tapping distinct learning mechanisms? *Proceedings of the Annual Meeting of the Cognitive Science Society, 36*, 2202-2207.

### *Manuscripts in Progress*

35. Ricker, T.J., Quigley, K.G., & Quiñones, D.A. (in preparation). Value-based prioritization strategy is driven by item familiarity but not item modality.
36. Ricker, T.J., Ravula, S., Bixter, M., & Sandry, J. (in preparation). Task difficulty determines the degree of prioritization and recency in working memory.
37. Ravula, S., Sandry, J., & Ricker, T.J. (in preparation). When are reward-based cues most effective in prioritizing working memories?

## Presentations

### *Invited Lectures*

1. Ricker, T.J. (2026, May). Masks disrupt visual working memory through visual integration, not by disrupting consolidation. Working Memory, Cognition, & Development Laboratory, University of Geneva, Geneva, Switzerland.
2. Ricker, T.J. (2026, May). Is reward-based prioritization of working memory implemented through a common mechanism across modalities and materials? Psychology Department Colloquium, University of Geneva, Geneva, Switzerland.
3. Ricker, T.J. (2025, September). Reward-based prioritization functions through the same cognitive mechanisms in verbal and visual working memory. Department of Ergonomics Research Colloquium, Leibniz Research Centre for Working Environment and Human Factors, Dortmund, Germany.
4. Ricker, T.J. (2024, October). Evolving Theories of Dual-Task Effects in Working Memory. Sabancı University, Istanbul, Türkiye.
5. Ricker, T.J. (2021, November). Computational models of fine-detail and categorical information in visual working memory: Unified or separable representations? Distributed Working Memory Series. Virtual meeting organized by the University of Zurich.
6. Ricker, T.J. (2020, November). Cognitive load and multitask-impairment of working memory. Cognition and Neuroscience Colloquium, University of Missouri, Columbia, Missouri, USA.
7. Ricker, T.J. (2018, November). The effects of distraction on precise and gist representations in working memory. Department of Psychology Lunch Talk Series, Seton Hall University, South Orange, New Jersey, USA.
8. Ricker, T.J. (2017, July). Does masking influence short-term consolidation? The Crossroads of Attention in Working Memory: Consolidation, Refreshing, & Removal, Hotel Bains D'Ovronnaz, Valais, Switzerland.
9. Ricker, T.J. (2017, June). A basic theoretical overview of short-term consolidation. The Crossroads of Attention in Working Memory: Consolidation, Refreshing, & Removal, Hotel Bains D'Ovronnaz, Valais, Switzerland.
10. Ricker, T.J. (2017, June). Immunity to cognitive load in visual working memory recall. University of Geneva, Geneva, Switzerland.
11. Ricker, T.J. (2017, June). Immunity to cognitive load in visual working memory recall. University of Zurich, Zurich, Switzerland.
12. Ricker, T.J. (2016, December). Potential neural mechanisms underlying short-term consolidation. Neuroscience Collaborative Colloquium, Graduate Center of the City University of New York, Manhattan, New York, USA.
13. Ricker, T.J. (2016, May). Consolidation of visual working memory representations. Vision Seminar, Johns Hopkins University, Baltimore, Maryland, USA.
14. Ricker, T.J. (2016, March). A brief overview of short-term consolidation and potential neural mechanisms. Montclair Student Neuroscience Association Biannual Research Panel, Montclair, New Jersey, USA.

### *International Conference Presentations*

15. Marino, A.N., Umemoto, A., Ricker, T.J. & Sandry, J. (2026, March). Working memory prioritization effects on neurophysiological mechanisms of sensory and motor processing using EEG. Annual meeting of the Cognitive Neuroscience Society, Vancouver, British Columbia, Canada.
16. Ricker, T.J. & Sandry, J. (2025, November). Does reward-based prioritization function through the same mechanisms in verbal and visual working memory? Annual convention of the Psychonomic Society, Denver, Colorado, USA.
17. Ravula, S., Sandry, J., & Ricker, T.J. (2025, November). When are reward-based cues most effective in prioritizing working memories? Annual convention of the Psychonomic Society, Denver, Colorado, USA.
18. Quiñones, D.A., Marina, A.N., Sandry, J., & Ricker, T.J. (2025, November). Stimulus positioning and local/global effects on working memory creation. Annual convention of the Psychonomic Society, Denver, Colorado, USA.
19. Marino, A.N., Umemoto, A., Ricker, T.J. & Sandry, J. (2025, July). Prioritization effects on sensory and motor processing. Working Memory Symposium, Virtual event hosted by the University of Toronto.
20. Marino, A.N., Umemoto, A., Ricker, T.J. & Sandry, J. (2024, November). Prioritization effects on sensory and motor processing. Cowanfest: The Festschrift for Dr. Nelson Cowan, New York, New York, USA.
21. Ricker, T.J. & Sandry, J. (2024, November). Drift diffusion modeling to clarify prioritization effects in working memory. Annual convention of the Psychonomic Society, New York, New York, USA.
22. Hebert, K. & Ricker, T.J. (2024, November). Cooking Span: A complex span task focused on cognitive abilities in daily living. Poster presented at the annual convention of the Psychonomic Society, New York, New York, USA.
23. Quiñones, D.A., Sandry, J., & Ricker, T.J. (2024, November). Working memory creation: Encoding resource vs. short-term consolidation. Poster presented at the annual convention of the Psychonomic Society, New York, New York, USA.
24. Ricker, T.J. & McCray, M.M. (2023, November). Subjective difficulty predicts working memory performance while dual tasking better than objective factors. Annual convention of the Psychonomic Society, San Fransisco, California, USA.
25. Cotton, K., Sandry, J., & Ricker, T.J. (2023, June). Working Memory Task Engagement and the Case of the McCabe Effect. Working Memory Symposium, Virtual event hosted by the University of Toronto, Toronto, Ontario, Canada.
26. Ricker, T.J., Souza, A.S., & Vergauwe, E. (2022, November). Feature Identity Drives Representation Format within Visual Working Memory. Annual convention of the Psychonomic Society, Boston, Massachusetts, USA.
27. Cotton, K. & Ricker, T.J. (2022, November). How does stress affect working memory consolidation? Poster presented at the annual convention of the Psychonomic Society, Boston, Massachusetts, USA.
28. Cotton, K., Sandry, J., & Ricker, T.J. (2022, June). How does mind-wandering influence working memory performance across cognitive load and environmental conditions? Working Memory Symposium, Virtual event hosted by The University of Texas, Austin, Texas, United States.
29. Cotton, K. & Ricker, T.J. (2021, November). How do mind-wandering, cognitive load, and environment affect working memory? Poster presented at the Annual Harvard Women in Psychology: Trends in Psychology Summit, Virtual Meeting.
30. McCray, M.M., Cotton, K., & Ricker, T.J. (2021, November). Predicting working memory performance: Is perceived workload a better predictor than cognitive load? Poster presented at the Annual Harvard Women in Psychology: Trends in Psychology Summit, Virtual Meeting.
31. Ricker, T.J. & Vergauwe, E. (2021, November). Orientation and color are remembered using fundamentally different types of representation in working memory. Annual convention of the Psychonomic Society, Virtual Meeting.
32. Cotton, K. & Ricker, T.J. (2021, November). The effect of mind-wandering and cognitive load on working memory performance in online and in-person experiments. Annual convention of the Psychonomic Society, Virtual Meeting.

33. McCray, M.M., Cotton, K. & Ricker, T.J. (2021, November). Working memory performance: Is subjective measurement a better predictor than cognitive load? Poster presented at the annual convention of the Psychonomic Society, Virtual Meeting.
34. Cotton, K. & Ricker, T.J. (2021, June). Consolidating a lasting memory: The role of creativity in the relationship between working memory and long-term memory. Virtual Working Memory Symposium, Virtual event hosted by The University of Texas, Austin, Texas, United States.
35. Ricker, T.J. & Vergauwe, E. (2020, November). Cognitive load effects are not driven by attentional availability. Annual convention of the Psychonomic Society, Virtual Meeting.
36. Cotton, K. & Ricker, T.J. (2020, November). The role of creativity in the relationship between working memory consolidation and long-term memory. Annual convention of the Psychonomic Society, Virtual Meeting.
37. Ricker, T.J. (2019, November). Exploring how visual masking disrupts working memory recall. Annual convention of the Psychonomic Society, Montreal, Quebec, Canada.
38. Cotton, K. & Ricker, T.J. (2019, November). Working memory consolidation improves long-term recognition in words and non-words. Annual convention of the Psychonomic Society, Montreal, Quebec, Canada.
39. Ricker, T.J. & Vergauwe, E. (2017, November). Can attention-based maintenance be used in visual working memory? Annual convention of the Psychonomic Society, Vancouver, British Columbia, Canada.
40. Vergauwe, E. & Ricker, T.J. (2017, September). Forgetting and the mechanisms that counteract forgetting in working memory. 20th Conference of the European Society for Cognitive Psychology. Potsdam, Germany.
41. Ricker, T.J. (2016, November). Short-term consolidation of continuous visual working memory. Annual convention of the Psychonomic Society, Boston, Massachusetts, USA.
42. Zuppichini, M., Zlochevsky, N., Vilanova, N., Ricker, T.J., & Sandry, J. (2016, November). Adjusting working memory's focus of attention influences long-term memory retention. Poster presented at the annual convention of the Psychonomic Society, Boston, Massachusetts, USA.
43. Parshina, O.A., Ricker, T.J., Che, E.S., Obeid, R., & Brooks, P.J. (2016, November). Relationships between statistical learning, sentence processing, and working memory. Poster presented at the annual convention of the Psychonomic Society, Boston, Massachusetts, USA.
44. Langerock, N., Vergauwe, E., Hardman, K., Ricker, T.J., & Cowan, N. (2016, September). The nature of refreshing: mere reactivation or semantic elaboration as well? Poster presented at VIIIth European Working Memory Symposium. Liège, Belgium.
45. Vergauwe, E., Ricker, T.J., Langerock, N., & Cowan, N. (2016, June) What do people typically do between list items? Parcevall Hall Meeting, Skipton, North Yorkshire, United Kingdom.
46. Ricker, T.J. (2015, November). Short-term consolidation: A process separable from encoding and refreshing. Annual convention of the Psychonomic Society, Chicago, Illinois, USA.
47. Hardman, K., Vergauwe, E., & Ricker, T.J. (2015, November) Testing the absolute validity of mathematical models used in working memory. Poster presented at the annual convention of the Psychonomic Society, Chicago, Illinois, USA.
48. Ricker, T.J., Vergauwe, E., & Rouder, J. (2014, November). Continuous information in short-term memory is not affected by attention-based maintenance or processing. Poster presented at the annual convention of the Psychonomic Society, Long Beach, California, USA.
49. Ricker, T.J., & Cowan, N. (2013, November). Presentation method influences time-based forgetting through working memory consolidation. Poster presented at the annual convention of the Psychonomic Society, Toronto, Ontario, Canada.
50. Valle-Inclan, F., Lee, E.-Y., Li, D., Cowan, N., Ricker, T.J., and Hackley, S.A. (2013, September). Cortical thickness correlates of working memory capacity in healthy younger and older adults and in Parkinson's disease. Poster presented at the annual meeting of the Society for Psychophysical Research, Florence, Italy.
51. Ricker, T.J. & Cowan, N. (2012, November). Presentation style influences time-based forgetting in working memory. Poster presented at the annual convention of the Psychonomic Society, Minneapolis, Minnesota, USA.
52. Ricker, T.J., Cowan, N., & Hebert, K.R. (2011, November). Time-based forgetting from working memory, feature-by-feature. Poster presented at the annual convention of the Psychonomic Society, Seattle, Washington, USA.

53. Ricker, T.J., & Cowan, N. (2010, November). Forgetting from visual working memory: Time and attention both matter. Paper presented at the annual convention of the Psychonomic Society, St. Louis, Missouri, USA.

### *Regional Conference & Colloquia Presentations*

54. Ricker, T.J. (2025, September). Reward-based prioritization functions through the same cognitive mechanisms in verbal and visual working memory. Human Factors & Applied Cognition Colloquium, University of South Dakota, Vermillion, South Dakota, USA.
55. Fanciullo, C.R., McCray, M.M., Quiñones, D.A., & Ricker, T.J. (2025, June). Investigating the Impact of Intermittent Multitasking on working Memory. Poster presented at the annual Eastern South Dakota Research Symposium, Sioux Falls, South Dakota, USA.
56. Quiñones, D.A., Sandry, J., & Ricker, T.J. (2025, June). Working memory creation: Encoding resource vs. short-term consolidation. Poster presented at the annual Eastern South Dakota Research Symposium, Sioux Falls, South Dakota, USA.
57. Ricker, T.J. & Sandry, J. (2024, December). Drift diffusion modeling to clarify prioritization effects in working memory. Human Factors & Applied Cognition Colloquium, University of South Dakota, Vermillion, South Dakota, USA.
58. Quiñones, D.A., Sandry, J., & Ricker, T.J. (2024, August). Working memory consolidation: Global effects of inter-item free time support the encoding resource model. Poster presented at the annual Center for Brain and Behavioral Research Symposium, Vermillion, South Dakota, USA.
59. Quiñones, D.A., Sandry, J., & Ricker, T.J. (2024, June). Working memory consolidation: Global effects of inter-item free time support the encoding resource model. Poster presented at the annual Eastern South Dakota Research Symposium, Sioux Falls, South Dakota, USA.
60. Ricker, T.J. (2024, January). Subjective difficulty predicts working memory performance while dual tasking better than objective factors. Human Factors & Applied Cognition Colloquium, University of South Dakota, Vermillion, South Dakota, USA.
61. Ricker, T.J. (2022, November). Feature identity drives representation structure within visual working memory. Human Factors Colloquium, University of South Dakota, Vermillion, South Dakota, USA.
62. Cotton, K., Sandry, J., & Ricker, T.J. (2022, March). Mind-wandering and cognitive load effects on working memory performance across experimental contexts. Poster presented at 93rd Annual Meeting of the Eastern Psychological Association, New York, New York.
63. Ricker, T.J. (2021, November). Are gist and precise representations always separable in visual working memory? Human Factors Colloquium, University of South Dakota, Vermillion, South Dakota, USA.
64. McCray, M.M., Cotton, K., & Ricker, T.J. (2021, September). Does perceived workload better predict working memory performance than cognitive load? South Dakota Psychological Association Annual Conference, Rapid City, South Dakota, USA.
65. Ricker, T.J. (2021, September). Motor slowing and the Drift Diffusion model. Human Factors Colloquium, University of South Dakota, Vermillion, South Dakota, USA.
66. Ricker, T.J. (2020, October). Multitasking and visual recall from working memory. Human Factors Colloquium, University of South Dakota, Vermillion, South Dakota, USA.
67. Ricker, T.J. (2019, March). Does the cognitive load of multitasking cause forgetting? Developmental Neuroscience Colloquium, College of Staten Island - City University of New York, Staten Island, New York, USA.
68. Ricker, T.J. (2019, February). Multi-tasking and cognitive load effects in visual working memory. Cognitive and Comparative Psychology Colloquium, Graduate Center of the City University of New York, Manhattan, New York, USA.
69. Vergauwe, E., Ricker, T.J., Langerock, N., & Cowan, N. (2018, June). Consolidation and/or refreshing: What do people typically do between list items? Poster at the 3rd Jean Piaget Conference, Geneva, Switzerland.
70. Uittenhove, K., Ricker, T.J., Cowan, N., & Vergauwe, E. (2018, June). Sternberg memory scanning 50 years later: A new comparison between item and order retrieval rate. Poster at the 3rd Jean Piaget Conference, Geneva, Switzerland.
71. Aguayo, S., Caminneci, A., DeMaio, E., Garcia, V., Zapata, P., Ricker, T.J., & Sandry, J. (2018, March). Distinctiveness of encoding does not explain flexibility within the focus of attention. Poster

presented at the 2018 annual meeting of the Eastern Psychological Association, Philadelphia, PA, USA.

72. Ricker, T.J. (2015, October). Short-term memory consolidation: A new component of memory formation. Department of Psychology Colloquium, College of Staten Island - City University of New York, Staten Island, New York, USA.
73. Ricker, T.J. (2015, October). Consolidating short-term memory to prevent forgetting. Cognition, Language, and Development Training Area Colloquium, Graduate Center of the City University of New York, Manhattan, New York, USA.
74. Ricker, T.J., Cowan, N., Rouder, J., Vergauwe, E., & Thiele, J. (2014, September). Time and memory. Cognition and Neuroscience Colloquium, University of Missouri, Columbia, Missouri, USA.
75. Ricker, T.J. (2013, April). The nature of time-based forgetting in immediate memory. Public Dissertation Defense, University of Missouri, Columbia, Missouri, USA.
76. Ricker, T.J., Cowan, N., & Spiegel, L.R. (2012, September). Forgetting from immediate memory: Remembering the importance of methodological effects. Cognition and Neuroscience Colloquium, University of Missouri, Columbia, Missouri, USA.
77. Ricker, T.J., Cowan, N., Hebert, K.R., & Hackley, S. (2012, March). Why do we forget? Cognition and Neuroscience Colloquium, University of Missouri, Columbia, Missouri, USA.
78. Ricker, T.J., Cowan, N., & Morey, C.C. (2011, January). Disruption of visual working memory by covert verbal retrieval. Cognition and Neuroscience Colloquium, University of Missouri, Columbia, Missouri, USA.
79. Ricker, T.J. (2010, June). Roles of time and attention in forgetting from working memory. Show Me Mental State Conference, Washington University, St. Louis, Missouri, USA.
80. Ricker, T.J., Morey, C.C., & Cowan, N. (2010, March). Time-based forgetting and cognitive load. Research and Creative Activities Forum, University of Missouri, Columbia, Missouri, USA.
81. Ricker, T.J., & Cowan, N. (2009, October). Cognitive load and time-based forgetting. Cognition and Neuroscience Colloquium, University of Missouri, Columbia, Missouri, USA.
82. Ricker, T.J., & Cowan, N. (2009, March). Cognitive load and forgetting. Cognition and Neuroscience Colloquium, University of Missouri, Columbia, Missouri, USA.

## Teaching Experience

### Undergraduate Courses Taught as Instructor

*University of South Dakota*

- General Psychology – Standard Format
- Statistics in Psychological Research – Standard Format
- Sensation and Perception – Standard, Lab, Hybrid & Hyflex Formats

*College of Staten Island, City University of New York*

- Cognitive Psychology – Standard, Honors, & Online Formats
- Psychology of Memory – Standard Format

*University of Missouri*

- Perception and Thought – Standard Format

### Graduate Courses Taught as Instructor

*University of South Dakota*

- Eye Movement: Theory and Applications
- Research Design & Statistics I
- Research Design & Statistics II
- Sensation & Perception

*Graduate Center, City University of New York*

- Cognition & Comparative Psychology Colloquium
- Decision Making

# Research Mentorship

### Doctoral Students
Sriya Ravula (current)
Dillon Quiñones (current)
Victoria Jackson (current)
Megan McCray (current, Human Factors Engineer at Corewell Health)
Kelly Cotton (Ph.D. 2023, Research Assistant Professor in Neurology at Stony Brook University)

### Undergraduate Thesis Advisor, Honors in Psychology
- Erica Bicknase, "Emotional Modulation of Working Memory Consolidation", University of South Dakota, expected 2027.
- Caryn Darmoni, "Mathematical Models of Masking Effects in Visual Working Memory", College of Staten Island - CUNY, 2020.
- Hannah Bareket, "Is Mind Wandering the cause of Trace Decay in Working Memory?", College of Staten Island - CUNY, 2020.
- Danielle Aylmer, "Modeling Working Memory Capacity for Orientation", College of Staten Island - CUNY, 2019.
- Nicholas Cirrone, "Working Memory Load during Decision Making", College of Staten Island - CUNY, 2019.
- Alani Harrison, "Cognitive Load with Continuous Representations", College of Staten Island - CUNY, 2019.

### Research Mentorship of Undergraduate & Postbaccalaureate Students
Training in data collection, programming, writing, and presentation skills
- Department of Psychology, University of South Dakota: *Shatha Alkhdour (2026-Present), Fatma Kilic (2025-Present), Lulu Yousef (2025-Present), Erica Bicknase (2025-Present), Joe Simko (2025-Present), Sydney Reeves (2025-Present), Asia Sletten (2024 - Present), Christina Fanciullo (2024 - Present), Nate Mungunkhet (2022 - 2025), Kamila Haliru (2022 - 2025), Katie Roberson (2021 - 2024), Joseph Obineche (2022 - 2023), Garrett Clendening (2022 - 2023), Anika Gram (2021 - 2023), Grace Johnson (2021 - 2022), Kristen Quigley (2021 - 2022), Madisen Lavin (2021)*
- Department of Psychology, College of Staten Island – CUNY: *Raquel Bartocci (2020 - 2020), Victoria Nicoletta (2020 - 2020), Hannah Bareket (2018 - 2020), Caryn Darmoni (2018 - 2020), Alani Harrison (2018 - 2019), Danielle Aylmer (2017 - 2019), William Frickenstein (2017 - 2019), Nicholas Cirrone (2017 - 2019), Hadeel Ayesh (2017 - 2018), Greg Major (2017 - 2018), Iryna Pylypchuk (2017 - 2018), Hamza Tariq (2017 - 2018), Khadega Imam (2016 - 2018), Priscilla Hutchinson (2017 - 2018), Sochima Ezeude (2016 - 2018), Tiffany Galbo (2016 - 2018), Cinthya Ramirez (2016 - 2017), Mabel Etuknwa (2016 - 2017), Anthony Wong (2016 - 2017), Johna Palladino (2015 – 2017), Liya Thomas (2015 – 2017), Aileen Sammartano (2015 – 2016), Jose Ramirez (2015 – 2016)*
- Department of Psychological Sciences, University of Missouri: *Garrett Hinrichs (2012-2013), Katherine Clark (2012), Lauren Spiegel (2011-2012)*

### Research Mentorship for Master of Occupational Therapy Students
- Department of Occupational Therapy, University of Missouri: *Jenni Adkins (2013), Victor Richard (2013), Shannon Stecher (2013), Justin Campbell (2012), Tyler Eads (2012), Christina Fox (2012), Melissa Smith (2012), Sarah Benson (2011), Nancy Fronczak (2011), Katie Jones (2011)*

### Graduate Student Mentee Grants & Awards
*Megan McCray*
- Graduate Research and Creative Scholarship Grant, 2023, *USD Graduate School*, $390
- Governor's Giant Vision Student Semifinalist, 2023, *SD Chamber of Commerce & Industry*, $500
- Invent to Innovate Business Model 2nd Place, 2023, *USD Beacom School of Business*, $1500
- TRAC Fellowship, 2022 –2023, *USD Technology, Readiness, and Acceleration Center, $24,000*
- Customer Discovery Grant for Green Light Bionics, 2022, *South Dakota Biotech*, $1500

- Tech2Launch Funding, 2022, *University of South Dakota*, $4,400
- Invent to Innovate Business Model 3rd Place, 2022, *USD Beacom School of Business*, $1000
- HF and Ergonomics Health Care Mobile App Design Semifinalist, 2022, *HFES Healthcare*
- Norman Heimstra Memorial Scholarship, 2021, *University of South Dakota Foundation*, $300
- Best Poster Award, 2021, *South Dakota Psychological Association*, $60
- Norman Heimstra Memorial Scholarship, 2021, *University of South Dakota Foundation*, $500
- Governor's Giant Vision Finalist, 2021, *South Dakota Governor's Office*, $1000
- Graduate Research & Creative Scholar Grant, 2020 –2021, *USD Graduate School*, $750

*Kelly Cotton*

- Science Communication Internship, 2023, *Psychonomic Society*, $500
- Conference Presentation Travel Award, 2023, *CUNY Graduate Center, $300*
- Psychology Travel Award, 2022, *CUNY Graduate Center, $500*
- Doctoral Student Research Grant, 2022 –2023, *CUNY Graduate Center*, $1500
- Doctoral Student Research Grant, 2020 – 2021, *CUNY Graduate Center*, $1350
- Psychology Fellowship, 2020, *CCP Training Program - CUNY*, $500
- Data for Public Good Fellowship, 2020*, CUNY Graduate Center, $750*
- Conference Presentation Travel Award, 2019, *CUNY Graduate Center*, $300
- Second Place Overall for "Project Fovea", 2019, *NYC Media Lab '19*
- Graduate Center Fellowship, 2018 - 2023, *CUNY Graduate Center, ~$130,000*

## Undergraduate Student Mentee Grants & Awards

- *SPURA: Summer Program for Undergraduate Research in Addiction (USD)*: $9000 award
  - Awarded to*: Asia Sletten*
- *CURCS Mini-Grant (USD)*: $750 in research funding
  - Awarded to*: Nate Mungunkhet*
- *Gary and Judy Marx Servant Leader Scholarship (USD)*: $1500 scholarship
  - Awarded to: *Shatha Alkhdour*
- *CUE Undergraduate Research Award (CSI/CUNY):* $200 - $900 stipend
  - Awarded to*: Iryna Pylypchuk, Nicholas Cirrone, Priscilla Hutchinson, Khadega Imam, Anthony Wong, Tiffany Galbo, Liya Thomas, Johna Palladino, & Aileen Sammartano*
- *Mentored Summer Research Experience (CSI/CUNY):* $800 stipend
  - Awarded to: *Hannah Bareket & Caryn Darmoni*
- *Dean's Research Award (CSI/CUNY):* $2,000 stipend
  - Awarded to: *Johna Palladino*

## Local Student Talks/Poster Presentations

1. Caswell, V., Marino, A.N., Reeves, S., Dangler, M.M., & Ricker, T.J. (2026, April). Is working memory disruption during dual-task performance driven by subjective or objective factors? Poster presented at University of South Dakota IdeaFest, Vermillion, South Dakota, USA.
2. Sletten, A.E., Fanciullo, C.R., Quiñones, D.A., Dangler, M.M., & Ricker, T.J. (2026, April). What mechanism drives impairment of auditory working memory during intermittent multitasking? Poster presented at University of South Dakota IdeaFest, Vermillion, South Dakota, USA.
3. Ravula, S., Reeves, S., Estelle-Sandmann, M., Sandry, J., & Ricker, T.J. (2026, April). When are reward-based cues most effective in prioritizing working memories? Poster presented at University of South Dakota IdeaFest, Vermillion, South Dakota, USA.
4. Quiñones, D.A., & Ricker, T.J. (2026, April). Understanding attention deployment during short-term memory consolidation: An eye-tracking study. Poster presented at University of South Dakota IdeaFest, Vermillion, South Dakota, USA.
5. Mungunkhet, N., Hebert, K.H., & Ricker, T.J. (2025, April). Emotional Bias in Predicting Percieved Emotions During the Performance of Activities of Daily Living: Further Validating the Emotional Experiences in Activities of Daily Living Scale (EEADLs). Talk presented at University of South Dakota Ideafest, Vermillion, South Dakota, USA.
6. Sletten, A., McCray, M.M., & Ricker, T.J. (2025, April). The effects of medium switching in multitasking. Poster presented at University of South Dakota IdeaFest, Vermillion, South Dakota, USA.

7. Fanciullo, C.R., McCray, M.M., Quiñones, D.A., & Ricker, T.J. (2025, April). Investigating the impact of intermittent multitasking on working memory. Poster presented at University of South Dakota IdeaFest, Vermillion, South Dakota, USA.
8. Bareket, H. & Ricker, T.J. (2019, May). Is memory decay caused by mind wandering? Poster presented at the Undergraduate Conference on Research, Scholarship, and Performance, College of Staten Island - City University of New York, Staten Island, New York, USA.
9. Darmoni, C. & Ricker, T.J. (2019, May). Mathematical process modeling of visual masking. Poster presented at the Undergraduate Conference on Research, Scholarship, and Performance, College of Staten Island - City University of New York, Staten Island, New York, USA.
10. Harrison, A. & Ricker, T.J. (2019, May). Cognitive load with continuous stimuli in visual working memory. Poster presented at the Undergraduate Conference on Research, Scholarship, and Performance, College of Staten Island - City University of New York, Staten Island, New York, USA.
11. Galbo, T., Ayesh, H. & Ricker, T.J. (2018, April). Masking and the speed of consolidation into visual working. Poster presented at the Undergraduate Conference on Research, Scholarship, and Performance, College of Staten Island - City University of New York, Staten Island, New York, USA.
12. Pylypchuk, I. & Ricker, T.J. (2018, April). Precueing and the Attentional Blink in Working Memory. Poster presented at the Undergraduate Conference on Research, Scholarship, and Performance, College of Staten Island - City University of New York, Staten Island, New York, USA.
13. Cirrone, N., Hutchinson, P., & Ricker, T.J. (2018, April). Memory Load and Probabilistic Reward. Poster presented at the Undergraduate Conference on Research, Scholarship, and Performance, College of Staten Island - City University of New York, Staten Island, New York, USA.
14. Aylmer, D., Frickenstein, W. & Ricker, T.J. (2018, April). Modeling Categorical Representations in Memory for Object Orientations. Poster presented at the Undergraduate Conference on Research, Scholarship, and Performance, College of Staten Island - City University of New York, Staten Island, New York, USA.
15. Major, G., Tariq, H. & Ricker, T.J. (2018, April). Cognitive Load Effects in Visual Working Memory Recall. Poster presented at the Undergraduate Conference on Research, Scholarship, and Performance, College of Staten Island - City University of New York, Staten Island, New York, USA.
16. Palladino, J., Ramirez, C. & Ricker, T.J. (2017, May). Cognitive Load in Visual Reproduction Tasks. Poster presented at the Undergraduate Conference on Research, Scholarship, and Performance, College of Staten Island - City University of New York, Staten Island, New York, USA.
17. Galbo, T., Khadega, I. & Ricker, T.J. (2017, May). Masking Effects in Visual Working Memory. Poster presented at the Undergraduate Conference on Research, Scholarship, and Performance, College of Staten Island - City University of New York, Staten Island, New York, USA.
18. Thomas, L., Etuknwa, M. & Ricker, T.J. (2017, May). Modeling Capacity for Orientation in Visual Working Memory. Poster presented at the Undergraduate Conference on Research, Scholarship, and Performance, College of Staten Island - City University of New York, Staten Island, New York, USA.
19. Wong, A., Ezeude, S. & Ricker, T.J. (2017, May). Testing Theories of Short-Term Consolidation. Poster presented at the Undergraduate Conference on Research, Scholarship, and Performance, College of Staten Island - City University of New York, Staten Island, New York, USA.
20. Palladino, J., & Ricker, T.J. (2016, April). The Time Course of Short-Term Consolidation. Poster presented at the Undergraduate Conference on Research, Scholarship, and Performance, College of Staten Island - City University of New York, Staten Island, New York, USA.
21. Ramirez, J., & Ricker, T.J. (2016, April). The Effect of Working Memory Load on Impulsive Decision-Making. Poster presented at the Undergraduate Conference on Research, Scholarship, and Performance, College of Staten Island - City University of New York, Staten Island, New York, USA.
22. Sammartano, A., & Ricker, T.J. (2016, April). Cognitive Load with Continuous Working Memory Representations. Poster presented at the Undergraduate Conference on Research, Scholarship, and Performance, College of Staten Island - City University of New York, Staten Island, New York, USA.
23. Thomas, L., & Ricker, T.J. (2016, April). Sensory Memory Persistence and Working Memory Estimation. Poster presented at the Undergraduate Conference on Research, Scholarship, and Performance, College of Staten Island - City University of New York, Staten Island, New York, USA.
24. Adkins, J., Stecher, S., Richard, V., Ricker, T.J., & Hebert, K.R. (2013, November). Task demands and consolidation in visual working memory. Poster presented at the University of Missouri Health Science Day, University of Missouri, Columbia, Missouri, USA.
25. Campbell, J., Eads, T., Fox, C., Smith, M., Ricker, T.J., & Hebert, K.R. (2012, November). Time-dependent decay of information in working memory can be mitigated by presentation style. Poster presented at the University of Missouri Health Science Day, University of Missouri, Columbia, Missouri, USA.
26. Clark, K.M., Sunday, M., Ricker, T.J., & Cowan, N. (2012, July). Short-term forgetting as a function of time and temporal distinctiveness. Summer Undergraduate Research Forum, University of Missouri, Columbia, Missouri, USA.

27. Benson, S., Fronczak, N., Jones, K., Ricker, T.J., Cowan, N., & Hebert K. (2011, November). The role of decay in visual working memory performance: Implications for cognitive training therapies. Health Sciences Day, University of Missouri, Columbia, Missouri, USA

## Professional Service & Activities

### Associate Editor
*Psychological Research,* 2026 - Present
*Cognitive Psychology,* 2026 - Present

### Consulting Editor
*Journal of Cognition,* 2026 - Present
*Journal of Experimental Psychology: General,* 2017 - Present
*Journal of Experimental Psychology: Human Perception and Performance,* 2015 - Present

### Ad-Hoc Reviewer: Professional Journals
Acta Psychologica, Annals of the New York Academy of Sciences, Attention Perception & Psychophysics, Behavior Research Methods, British Journal of Psychology, Cognition, Cognitive Psychology, Consciousness and Cognition, Journal of Cognitive Neuroscience, Journal of Cognitive Psychology, Journal of Experimental Psychology: General, Journal of Experimental Psychology: Human Perception and Performance, Journal of Experimental Psychology: Learning Memory & Cognition, Journal of Memory & Language, Memory, Memory & Cognition, Nature Communications, Nature Human Behaviour, Perception, PLOS ONE, Psychological Science, Psychonomic Bulletin & Review, Quarterly Journal of Experimental Psychology, Vision Research

### Ad-Hoc Reviewer: Granting Agencies
Israel Science Foundation
Swiss National Science Foundation
U.S.-Israel Binational Science Foundation

### Professional Membership
*Psychonomic Society*
- Fellow, April 2015 – Present
- Member, May 2013 – April 2015

*OPAM (Object Perception, Attention, & Memory)*
- Member, May 2025 – Present

### Other Professional Service
*Working Memory Symposium*
- Member, *Board of Organizers*, 2026 – Present

### Institutional Service
*Current*
- Chair, *Human Factors and Applied Cognition Recruitment Committee*, February 2021 – Present
- Member, *University Libraries Committee,* August 2025 - Present
- Member, *Psychology Department Online Courses Committee*, October 2024 – Present
- Member, *Psychology Department Operations Committee*, September 2022 – Present
- Member, *Human Factors and Applied Cognition Training Committee*, September 2020 – Present
- Organizer, *Memory & Attention Laboratory Speakers Series*, October 2022 – Present
- Coordinator/Supervisor, *Sensation & Perception Undergraduate Lab Courses*, August 2020 – Present
- Advisor, *University of South Dakota Chess Club*, September 2024 – Present

*Past*
University of South Dakota
- Chair, *Psychology Department Graduate Travel Award Committee*, February 2024 – August 2024
- Member, *Faculty Search Committee – Assistant Professor of Psychology*, November 2022 – April 2023

- Interim Administrator, *SONA Participant Management System*, August 2022 – September 2022
- Member, *Faculty Search Committee – Instructor/Lecturer in Psychology*, February 2022 – March 2022
- Member, *Research Methods Committee*, October 2020 – July 2021
- Member, *Psychology Dept. Faculty Evaluation Standards Committee*, January 2021 – April 2021

The Graduate Center, CUNY

- Organizer, *Cognition, Language, & Development Colloquium,* June 2017 – May 2018
- Member, *Cognition, Language, & Development Admissions Committee,* October 2016 – Dec 2018
- Member, *Cognition & Comparative Psych Admission Committee*, December 2018 – August 2020
- Member, *Cognition & Comparative Psychology Executive Committee*, August 2018 – August 2020

College of Staten Island, CUNY

- Member, *Psychology Department Assessment Committee*, September 2019 – August 2020
- Member, *College Academic Facilities Committee*, September 2018 – August 2020
- Alternate Member, *College Research Committee*, September 2018 – August 2020
- Member, *Course and Standing Committee*, September 2016 – August 2018
- Member, *Search Committee - High Performance Computing Center Director*, Feb 2017 – Aug 2017
- Member, *Honors Committee*, College of Staten Island, September 2015 – August 2016

## Reader: Dissertations, Doctoral Exams, & Theses

### Dissertations

- *Ruiheng Zhang*, "Free Time Effects on Working Memory Creation", University of Geneva, expected 2026.
- *Nicole Amada*, "A Novel Measure of Narrative Self-Functioning and its Role in the Transformative Potential of Psychedelic Experience Across Clinical and Non-Clinical Participants", The Graduate Center - CUNY, 2023.
- *Haggar Cohen-Dallal*, "Which Factors Influence the Rate of Forgetting in Visual Working Memory?", Hebrew University of Jerusalem, 2022.
- *Elizabeth Sterling*, "Anti-Counterfeiting Warnings: Do They Influence Consumer Behavior and Perception of Overt Indicators?", University of South Dakota, 2022.
- *Philippe Schneider*, "Investigating the Impact of Semantic Long-Term Memory on Attention-Based Processes During Working Memory Maintenance", Université de Fribourg, 2022.
- *Chelsea Reichert-Plaska*, "Examining the transient neural dynamics underlying working memory maintenance for complex visual stimuli", The Graduate Center - CUNY, 2021.
- *Nicholas Brosowsky*, "Memory-guided selective attention: An instance theory of automatic attentional control", The Graduate Center - CUNY, 2019.

### Preliminary/Comprehensive Examination – Grant Proposal/Paper Format

- *Nicole Amada*, "(Mal)adaptive Narrative Self Functioning: An Integrated Framework and Evaluation of Psychedelic Use and Meditative Practice", The Graduate Center - CUNY, 2020.
- *Casey Williamson*, "The role of the DLPFC in metamemory monitoring and control via non-invasive brain stimulation", The Graduate Center - CUNY, 2019.
- *Nicholas Brosowsky*, "Current approaches to auditory change detection and change deafness", The Graduate Center - CUNY, 2018.
- *Chelsea Reichert-Plaska*, "The behavioral and neural effects of rehearsal on working and long-term memory for novel naturalistic stimuli", The Graduate Center - CUNY, 2018.

### Master's Theses

- *Allison Marino*, "Reward-Based Prioritization and Perceptual Feature Effects on Attentional Flexibility in Working Memory", Montclair State University, 2026.
- *Nicole Amada*, "Narrative Self and the Psychedelic Experience: An exploratory qualitative study investigating psychedelic-induced changes to self-representation", The Graduate Center - CUNY, 2019.
- *Victoria Winters*, "The Effect of Future Oriented Tasks vs Incidental Orienting Task on Item-to-Item Associations", Montclair State University, 2017.
- *Olga Parshina*, "Relationships between Statistical Learning, Sentence Processing, and Working Memory", The Graduate Center - CUNY, 2016.

### Undergraduate Honors Theses

- *Kamila Haliru,* "Expediting Tool-Use Learning: Effects of Non-Invasive Neurostimulation of the Left Anterior Supramarginal Gyrus", University of South Dakota, 2025.
- *Joseph Rysdon,* "A Systematic Review Comparing the Mental Effects of COVID-19 Quarantine and Social Isolation", University of South Dakota, 2022.
- *Tristiana Adragna,* "The Relationship Between Gender and Body Image Satisfaction and Self-Esteem in Relation to Exercising", College of Staten Island – CUNY, 2020.
- *Gianna Cirrone,* "Arduino-Based Monitoring of the Naked Mole-Rat Nest Environment", College of Staten Island – CUNY, 2019.

- *Maxim Yeremenko,* “Comprehension and Reading Speed Before and After Commercial Speedreading Training”, College of Staten Island - CUNY, 2018.
- *Dana Friedman,* “Individual Differences in Night-Time Sleep and Motor Learning in Infants”, College of Staten Island - CUNY, 2018.
- *Cynthia Dunne-Jaffe,* “Hippocampal Neuropeptide-Y in Relation to Social Behavior”, College of Staten Island - CUNY, 2017.
- *Miriam Sedrak,* “Dying to Vote: Mortality Salience Affects Support for Donald Trump”, College of Staten Island - CUNY, 2017.
- *Spogmay Khan*, “Assessment of Stigma Towards Autism and Other Disabilities”, College of Staten Island - CUNY, 2017.
- *Bianca Hernandez*, “The Effects of Terror Management Theory on Political Standing”, College of Staten Island - CUNY, 2016.