Alyssa H. Sinclair, Ph.D. | Curriculum Vitae

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Keywords: learning & memory, belief updating, behavior change, prediction error, motivation, emotion

Employment

Assistant Professor — Rice University, Department of Psychological Sciences — July 2026 – Present

Director: Learning and Behavior Change Lab
Cognitive and Affective Neuroscience Research Interest Group

Joan Bossert Postdoctoral Research Fellow — University of Pennsylvania — July 2023 – June 2026

Affiliations: Communication Neuroscience Lab (PI: Emily Falk), Annenberg Public Policy Center, Annenberg School for Communication, Penn Center for Science, Sustainability, and the Media

Education

Ph.D., Duke University — *Psychology & Neuroscience, Certificate in Cognitive Neuroscience* — Aug 2018 – May 2023

Cumulative GPA: 4.0/4.0
Dissertation: "Pre-Learning Interventions Modulate Learning from Error"
Co-Advisors: Prof. R. Alison Adcock & Prof. Gregory R. Samanez-Larkin
Committee Members: Prof. Elizabeth Marsh & Prof. Felipe De Brigard

B.Sc. *with High Distinction*, University of Toronto —*Psychology (Research Specialist)* — Sep 2014 – May 2018

Cumulative GPA: 4.0/4.0, Valedictorian
Honors Thesis: "Prediction Error Influences Episodic Memory Reconsolidation"
Thesis Advisor: Prof. Morgan Barense

Teaching Experience

Instructor of Record — PSYC 453: Motivation & Behavior Change (Rice) — 2026

Pedagogical Training — Course in College Teaching, Course Design Institute (U Penn) — 2024–2025

Guest Lecturer — Topics: memory, motivation, reinforcement learning, health beliefs, cognitive neuroscience research methods, statistics, data visualization (Duke, U Penn) — 2020–2023

Teaching Assistantships

NEUROSCI101: Biological Bases of Behavior (Duke University) — 2020, 2021

PSY444: Neuroscience Service Learning (Duke University) — 2021

Peer-Reviewed Publications (in order of recency)

1. **Sinclair, A.H.**, Taylor, M., Beckett, S., Weitz, J., & Samanez-Larkin, G.R. (2026). Personalized feedback about immunity corrects risk misestimation and motivates vaccination. *PNAS Nexus*, pgag227.
2. Harris, M.J.*, **Sinclair, A.H.***, Pullano, G.*, Beckett, S.J.*, LeJeune, L.*, […] Weitz, J.S. (2026). Emerging frontiers in infectious disease modeling: Reassessing the data-driven feedback loop between human behavior and disease dynamics. *Royal Society Open Science*, 13(6). ** equal contribution*
3. Cosme, D., Lydic, K., Reinero, D., **Sinclair, A.H.,** & Falk, E.B. (2025). Motivating and supporting youth to vote using theory-driven approaches. *Soc. Pers. Psych. Compass*, 19:e70110.
4. **Sinclair, A.H.,** Cosme, D., Lydic, K., Reinero, D.A., Carreras-Tartak, J., Mann, M., & Falk, E.B. (2025). Behavioral interventions motivate action to address climate change. *PNAS*, 122(20).
5. Cosme, D., Chan, H.Y., **Sinclair, A.H.,** Benitez, C., Lydic, K., Martin, R., Resnick, A., Carreras-Tartak, J., Cooper, N., Paul, A.M., Koelle, D., McVay, J., Falk, E.B., & Scholz, C. (2025). Perceived self and social relevance of content motivates news sharing across cultures and topics. *PNAS Nexus*, 4(2).
6. **Sinclair, A.H.**, Wang, Y.C., & Adcock, R.A. (2024). First impressions or good endings? Preferences depend on when you ask. *Journal of Exp. Psychology: General*, 153(10).
7. Kemp, P.L.*, **Sinclair, A.H.***, Adcock, R.A., & Wahlheim, C.N. (2024). Memory and belief updating following complete and partial reminders of fake news. *CR:PI*, *9*(28). ** equal contribution*
8. **Sinclair, A.H.***, Wang, Y.C.*, & Adcock, R.A. (2023). Instructed motivational states bias reinforcement learning and memory formation. *PNAS*, *120*(31). ** equal contribution*
9. **Sinclair, A.H.**, Taylor, M.K., Brandel-Tanis, F., Davidson, A., Chande, A.T., Rishishwar, L., Andris, C., Adcock, R.A., Weitz, J.S., Samanez-Larkin, G.R., & Beckett, S.J. (2023). Communicating COVID-19 exposure risk with an interactive website counteracts risk misestimation. *PLOS ONE*, *18*(10).
10. **Sinclair, A.H.**, Taylor, M.K., Davidson, A., Weitz, J.S., Beckett, S.J., & Samanez-Larkin, G.R. (2023). Scenario-based messages on social media motivate COVID-19 information seeking. *Journal of Applied Research in Memory and Cognition*, *13*(1).
11. **Sinclair, A.H.**, Taylor, M.T., Weitz, J.S., Beckett, S., & Samanez-Larkin, G.R. (2023). Reasons for receiving or not receiving bivalent COVID-19 booster vaccinations among adults. *Morbidity & Mortality Weekly Report*, *72*(3).
12. **Sinclair, A.H.**, Manalili, G.M., Brunec, I.K., Adcock. R.A., & Barense, M.D. (2021). Prediction errors disrupt hippocampal representations and update episodic memories. *PNAS*, *118*(51).
13. **Sinclair, A.H.**, Hakimi, S., Stanley, M.L., Adcock. R.A., & Samanez-Larkin, G.R. (2021). Pairing facts with imagined consequences improves pandemic-related risk perception. *PNAS*, *118*(32).
14. **Sinclair, A.H.**, Stanley, M.L., Hakimi, S., Cabeza, R., Adcock. R.A., & Samanez-Larkin, G.R. (2021). Imagining a personalized scenario selectively increases perceived risk of viral transmission for older adults. *Nature Aging*, 1, 677-683.
15. **Sinclair, A.H.**, Stanley, M.L., & Seli, P. (2020). Closed-minded cognition: Right-Wing Authoritarianism is negatively related to belief updating following prediction error. *Psychonomic Bulletin and Review*, *27*, 1348–1361.

Peer-Reviewed Publications (continued)

16. Stanley, M.L., **Sinclair, A.H.**, & Seli, P. (2020). Intellectual humility and perceptions of political opponents. *Journal of Personality*, *88*(6), 1-21.

17. Sinclair, A.H. & Barense, M.D. (2019). Prediction error and memory reactivation: How incomplete reminders drive reconsolidation. *Trends in Neurosciences*, *42*(10), 728-740.

18. Sinclair, A.H. & Barense, M.D. (2018). Surprise and destabilize: Prediction error influences episodic memory reconsolidation. *Learning & Memory*, *25*(8), 369-381.

Other Publications (Correspondence, etc.)

19. Sinclair, A.H., Harris, M., Andris, C., Cosme, D., Peters, E., Fagerlin, A., Falk, E.B., & Weitz, J.S. (2025). NIH indirect cost cuts will affect the economy and employment. *Nature Human Behaviour*, 9, 1301-1302.

20. Weitz, J.S., Harris, M.J., **Sinclair, A.H.**, & Berg, J.M. (2025). Impoundment of funds endangers US investment in science and medical research. *Nature*, 645, 592.

21. Sinclair, A.H., Cosme, D., Lydic, K., Reinero, D.A., Mann, M., & Falk, E.B. (2025). Reply to Dablander et al.: Identifying interventions that change intentions lays a valuable foundation for behavior change. *PNAS*, 122(20).

22. Sinclair, A.H., Cosme, D., Lydic, K., Reinero, D.A., Mann, M., & Falk, E.B. (2025). Reply to Loh & Ren: Motivating action among climate change believers. *PNAS* 122(36), e2515426122.

Preprints & Manuscripts Under Review

1. Sinclair, A.H., Harris, M.J., Cosme, D., Andris, C., Fagerlin, A., Peters, E., Cooke, C.L., Falk, E.B., & Weitz, J.S. (2026). Communicating the economic impact of NIH funding cuts changes attitudes and motivates action.

2. Sinclair, A.H., Cosme, D., Carreras-Tartak, J., & Falk, E.B. (2026). Affective framing of environmental news headlines influences engagement, donations, and memory.

3. Reinero, D.A., **Sinclair, A.H.**, Cosme, D., Falk, E.B. (2026). Red, blue, and morally alike: Moral reframing of climate change works when we don't make incorrect assumptions.

4. Harris, M.J., **Sinclair, A.H.**, Andris, C., & Weitz, Joshua S. (2026). Economic loss due to health funding cuts as distributed across geospatial units.

5. Lydic. K., **Sinclair, A.H.,** Cosme, D., Carreras-Tartak, J., & Falk, E.B. (2026). Future-oriented action interventions promote personal and civic climate action.

6. Lydic, K., Torres-Grillo, O., Levine, J., Lee, S., Vekker, P., de Beer, P., Casamalhuapa, L., **Sinclair, A.H.**, Falk, E.B., & Cosme, D. (2025). Co-designing get-out-the-vote messaging with youth increases message effectiveness.

7. Sinclair, A.H., Hsiung, A., Wright, R., Hakimi, S., & Adcock, R.A. (2025). Pausing to reflect during news consumption counteracts negativity biases in memory.

Fellowships

Joan Bossert Postdoctoral Research Fellowship, *University of Pennsylvania* **2023—26**

Graduate Research Fellowship, *National Science Foundation* **2019—23**

Postgraduate Scholarship, *Natural Sci. and Eng. Research Council of Canada* **2019—22**

James B. Duke Graduate Fellowship, *Duke University* **2018—2022**

NSERC Canada Graduate Scholarship- Master's *(Declined)* **2018**

NSERC Undergraduate Student Research Award, *University of Toronto* **2018**

Awards & Honors

AAAS Dr. Joshua E. Neimark Travel Award, *AAAS* **2026**

Conference Travel Awards, *Duke University* **2022, 2023**

Trainee Professional Development Award, *Society for Neuroscience* **2019**

Kazuo Mori Trainee Award, *Society for Applied Research on Memory & Cognition* **2019**

Charles Lafitte Foundation Conference Travel Awards, *Duke University* **2018, 2019**

Governor General's Academic Medal, *Government of Canada*, *University of Toronto*
National award granted to the highest-performing undergraduate student. **2018**

John Black Aird Scholarship, *University of Toronto* **2018**
Awarded to the top student of the tri-campus graduating class (18,500 students).

Rose Sheinin Award, *University of Toronto* **2018**
Awarded for exemplary academic achievement by a woman in science.

Women's Centenary Silver Medal, *Victoria College*, *University of Toronto* **2018**
Awarded to the woman in the graduating class with the highest academic standing.

Treble & Barber Graduate Studies Scholarship, *Victoria College*, *University of Toronto* **2018**
Awarded to an outstanding graduate pursuing a doctorate in Psychology or Philosophy.

Dean's List Scholar, *University of Toronto* **2014—18**

Outstanding Poster Presentation, *NeuroXchange Con*ference **2017**

Moscovitch Award, *Toronto Area Memory Group Conference* **2017**
Awarded for outstanding contributions to conference discussion.

James Mark Baldwin Prize for Best Essay, *University of Toronto* **2017**

University of Toronto Scholars Award, *University of Toronto* **2014–2018**

Academic Merit Scholarships, *University of Toronto*, *Victoria College* **2014–2018**

Grants

Coefficient Giving Grant **2025–2027**
Co-PIs: A.H. Sinclair, J.S. Weitz $623,431
Title: "The Science & Community Impacts Mapping Project (SCIMaP)"
Funder: Coefficient Giving (formerly Open Philanthropy)

Small Research Grant: Countering Harmful Digital Content **2026–2027**
PI: A.H. Sinclair $12,500
Title: "Identifying and Correcting High-Risk Misinformation about Climate Change"
Funder: Annenberg Center for Advanced Studies in Communication

MindCORE Neuroimaging Pilot Grant **2025–2026**
Co-PIs: A.H. Sinclair, E.B. Falk $6,300
Title: "Affective Framing of Information and Neural Systems for Motivation"
Funder: University of Pennsylvania

Applied Research on Intellectual Humility **2023–26**
PI: R. Hoyle, **Co-I:** A.H. Sinclair $250,000
Title: "Social and Psychological Mechanisms that Contribute to Humble Processing of Information that Challenges Personal Opinions and Beliefs"
Funder: John Templeton Foundation

Coronavirus Contract **2021–23**
Co-PIs: J. Weitz & G.R. Samanez-Larkin, **Co-I**: A.H. Sinclair $600,000
Title: "Modeling SARS-CoV-2 Risk, Interventions, and Impacts on Healthcare"
Funder: Centers for Disease Control and Prevention (CDC)

Psychology & Neuroscience Outreach Grant **2021–22**
Co-PIs: A. Hsiung & A.H. Sinclair $36,434
Title: "Promoting Equitable Access to Cognitive Research: A Comprehensive Internship Program for Undergraduates"
Funders: Duke University, Charles Lafitte Foundation

Research Germinator Grant **2019–22**
PI: A.H. Sinclair $25,000
Title: "Learning from Error: Cognitive, Motivational, and Neural Mechanisms"
Funder: Duke Institute for Brain Sciences

Special Topics COVID-19 Research Grant **2020–21**
PI: A.H. Sinclair $2,500
Title: "Affective States and Information Seeking During the COVID-19 Pandemic"
Funder: Duke University, Charles Lafitte Foundation

Invited Talks

Sinclair, A.H. (2026, March). Communication strategies to motivate climate action. *Climate Central*.

Sinclair, A.H. (2025, Oct). Motivational states bias choices, information consumption, and memory. *Motivated Cognition Meeting Talk Series*, Society for the Science of Motivation.

Sinclair, A.H. (2025, May). Psychological interventions change beliefs and intentions about everyday health risks. *Rutgers University – Camden*, Department of Psychology.

Sinclair, A.H. (2025, February). Cognitive interventions for real-world challenges. *Rice University*, Department of Psychological Sciences.

Sinclair, A.H. (2025, February). Applied cognitive neuroscience: Updating memories, beliefs, and behaviors. *Boston University*, Department of Psychological & Brain Sciences.

Sinclair, A.H. (2025, January). Shaping the affective context of cognition. *Stanford University*, Department of Psychology.

Sinclair, A.H. (2025, January). Cognitive interventions for real-world challenges. *University of California – San Diego*, Department of Cognitive Science.

Sinclair, A.H. (2024, December). Minds, brains, and mass media: Interventions for real-world challenges. *University of Michigan*, Department of Communication & Media.

Sinclair, A.H. (2024, November). Psychological interventions to motivate preventative health behaviors. *University of Maryland*, Workshop on Disease Dynamics and Human Behavior.

Sinclair, A.H. (2024, March). Lab and field experiments for communicating viral exposure risk. *University of Maryland*, Pandemic Readiness Initiative.

Sinclair, A.H. (2024, January). Cognitive interventions for real-world challenges. *Princeton University*, Department of Psychology.

Sinclair, A.H. (2023, October). Lab and real-world interventions for communicating health risks. *Rutgers University – Camden*, Department of Psychology, Prevention Science Program.

Departmental Talks

Sinclair, A.H. (2026, Sep). Cognitive interventions for real-world challenges. *Rice University*, Cognitive, Health, & Affective Seminar.

Sinclair, A.H. (2026, Sep). Updating memories, beliefs, and behaviors. *Rice University*, School of Social Sciences Research Relays.

Sinclair, A.H. (2025, Oct). Resistance and resilience: Science communication and advocacy in a federal funding crisis. *University of Pennsylvania*, MindCORE Colloquium.

Sinclair, A.H. (2025, Oct). Motivating pro-environmental behavior change and information consumption. *University of Pennsylvania*, Climate 101 Talk Series.

Sinclair, A.H. (2025, Oct). Resistance and resilience: Science communication and advocacy in a federal funding crisis. *University of Pennsylvania*, Department of Biology.

Departmental Talks (continued)

Sinclair, A.H. (2023, Dec). Motivational states bias learning and memory. *University of Pennsylvania*, Memory Seminar.

Sinclair, A.H. (2022, Feb). Lab and real-world interventions to correct pandemic risk perception. *Duke University*, Duke Institute for Brain Sciences.

Conference Talks

Sinclair, A.H., Harris, M., Cosme, D., Fagerlin, A., Peters, E., Andris, C., Falk, E., & Weitz, J.S. (2027, Feb). Communicating cuts to science funding changes attitudes & motivates action. *AAAS*, Chicago, IL.

Sinclair, A.H., Xu, Y., Liao, J., & Falk, E.B (2026, Nov). Characterizing and countering high-risk climate change misinformation on social media. Symposium talk, *Psychonomic Society*, San Diego, CA.

Sinclair, A.H., Harris, M.J., Cosme, D., Fagerlin, A., Peters, E., Andris, C., Cooke, C., Falk, E.B., & Weitz, J.S. (2026, March). Communicating the economic impact of science funding cuts changes attitudes & motivates action. Workshop talk, *Cognitive Neuroscience Society*, Vancouver, BC.

Sinclair, A.H., Cosme, D., Carreras-Tartak, J., Lydic, K., & Falk, E.B. (2025, June). Imagining the future motivates action to address climate change. Talk, *International Communication Association*, Denver, CO.

Sinclair, A.H., Cosme, D., Carreras-Tartak, J., & Falk, E.B. (2025, June). Emotional framing of news headlines influences engagement, donations, and memory. Talk, *International Communication Association*, Denver, CO.

Sinclair, A.H., Cosme, D., Lydic, K., Reinero, D.A., Carreras-Tartak, J., Mann, M., & Falk, E.B. (2024, November). Behavioral interventions motivate action to address climate change. Talk, *Psychonomic Society*, New York, NY.

Sinclair, A.H., Falk, E.B., Goodman, A., & Chesnes, M. (2024, April). Crafting impactful environmental narratives: Leveraging communication science, visuals, and technology in storytelling. Workshop, *Society of Environmental Journalists*, Philadelphia, PA.

Sinclair, A.H., Wright, R., & Adcock, R.A. (2023, November). Reframing the value of errors mitigates anxiety-related learning deficits. Symposium talk, *Psychonomic Society*, San Fran., CA.

Sinclair, A.H., Taylor, M.K., & Samanez-Larkin, G.R. (2023, August). Scenario-based messages on social media motivate COVID-19 information seeking. Talk, *SARMAC*, Nagoya, Japan.

Sinclair, A.H., Wang, Y.C., & Adcock, R.A. (2023, Apr). Instructed motivational states bias reinforcement learning and memory formation. Symposium talk, *Learning & Memory*, Huntington Beach, CA.

Sinclair, A.H., Wang, Y.C., & Adcock, R.A. (2023, Mar). Instructed motivational states bias reinforcement learning and memory formation. Data blitz, *Cognitive Neuroscience Society*, San Fran., CA.

Sinclair, A.H., Hakimi, S., Stanley, M.S., Adcock. R.A., Samanez-Larkin, G.R. (2021, July). Pairing facts with imagined consequences improves pandemic-related risk perception. Talk, *SARMAC*, virtual.

Sinclair, A.H. & Barense, M.D. (2018, May). Prediction error influences episodic memory reconsolidation. Data blitz, *Toronto Area Memory Group Conference*, Toronto, ON.

Poster Presentations

Sinclair, A.H., Cosme, D., Carreras-Tartak, J., & Falk, E.B. (2026, March). Affective framing of information influences engagement, donations, and memory. *Cognitive Neuroscience Society*.

Sinclair, A.H., Harris, M.J., Cosme, D., Fagerlin, A., Peters, E., Andris, C., Cooke, C., Falk, E.B., & Weitz, J.S. (2025, October). Communicating the economic impact of science funding cuts changes attitudes & motivates action. *Society for Neuroeconomics*.

Sinclair, A.H., Cosme, D., Carreras-Tartak, J., & Falk, E.B. (2025, October). Affective framing influences information consumption, donations, and memory. *Curiosity, Information Seeking, & Exploration (CISE) Symposium*.

Sinclair, A.H., Cosme, D., Carreras-Tartak, J., & Falk, E.B. (2025, April). Affective framing of news headlines influences information consumption and memory. *Cognitive Neuroscience Society*.

Sinclair, A.H., Wang, Y.C., & Adcock, R.A. (2024, Nov). Motivational states shape neural representations during reinforcement learning and memory formation. *Society for Neuroscience*.

Sinclair, A.H., Cosme, D., Carreras-Tartak, J., Butler, T., Kostick, H., Mann, M., & Falk, E. (2024, April). Misperceptions of impact predict intentions to take action against climate change. *Cognitive Neuroscience Society*.

Sinclair, A.H., Cosme, D., Carreras-Tartak, J., Butler, T., Kostick, H., Mann, M., & Falk, E. (2024, April). Cognitive and social factors shape intentions to take action against climate change. *Social and Affective Neuroscience Society*.

Sinclair, A.H., Wang, Y.C., & Adcock, R.A. (2023, Nov). Neural correlates of motivational states that bias reinforcement learning and memory formation. *Society for Neuroscience*.

Sinclair, A.H., Wang, Y.C., & Adcock, R.A. (2023, Mar). Instructed motivational states bias reinforcement learning and memory formation. *Cognitive Neuroscience Society*.

Sinclair, A.H., Wang, Y.C., & Adcock, R.A. (2022, Nov). Early and late rewards bias value memory and preferences over distinct timescales. *Psychonomic Society*.

Sinclair, A.H., Wang, Y.C., & Adcock, R.A. (2022, Apr). First impressions: Early rewards in episodes bias value memory and preferences. *Cognitive Neuroscience Society*.

Sinclair, A.H.*, Wright, R.*, Hsiung, A.*, Hakimi, S., & Adcock, R.A. (2022, Apr). Downside of doom scrolling: Pausing to reflect influences information seeking and enhances memory. *Cognitive Neuroscience Society*. **Denotes equal contribution.*

Sinclair, A.H., Hakimi, S., Stanley, M.S., Adcock. R.A., & Samanez-Larkin, G.R. (2020, October). Perceived vs. actual virus transmission risk during the COVID-19 pandemic. *Society for Neuroeconomics*.

Sinclair, A.H., Hakimi, S., Adcock. R.A., & Barense, M. D. (2020, August). Effective connectivity among cortico-hippocampal regions predicts memory for naturalistic episodes. *Context and Episodic Memory Symposium*.

Sinclair, A.H., Poh, J.H., Adcock. R.A., & Barense, M. D. (2020, May). Neural representations of emotional valence and intensity during naturalistic events. *Cognitive Neuroscience Society*.

Poster Presentations (continued)

Sinclair, A.H., Manalili, G.M., & Adcock, R.A., & Barense, M. D. (2019, Nov). Surprising event boundaries modulate hippocampal activity & distort episodic memories. *Psychonomic Society*.

Sinclair, A.H., Manalili, G.M., Adcock, R.A., & Barense, M. D. (2019, Oct). Prediction errors at event boundaries drive episodic memory reconsolidation. *Society for Neuroscience*.

Sinclair, A.H., Manalili, G.M., & Barense, M.D. (2019, Apr). Neural mechanisms of prediction error and episodic memory distortion. *Smokies Cognition and Neuroscience Symposium*.

Sinclair, A.H., Manalili, G.M., & Barense, M.D. (2017, Oct). Surprise and destabilize: Prediction error triggers episodic memory updating. *Society for Neuroscience*.

Mentoring

PhD Students: Rachael Veldman (2026–present), Summer (Tiange) Lu (2026–present), Chico Xu (2024–present), Christian Benitez (2023–2026), Thandi Lyew (2023–2026), Taurean Butler (2023–2024)

MA Thesis Advising: Hannah Schwalberg (2023–2024)

Honors Thesis Students: Alyssa Guthrie (2020—2023), Yume Choi (2021—2022)

Undergraduate Research Assistants: Pétra de Beer (2024–present), Paul Kim (2020—2022), Tolulemi Gbile (2018–2020), Grace Manalili (2017–2019), Carolyn Chung (2017–2018), Kayla Liu (2018)

Cognitive Neuroscience Research Interns: Paige Sevchik, Nour Kanan, Blaine Luebbering, Dipali Arora

Service

Search Committee Member — *Department of Psychological Sciences, Rice University* 2026-2027
Member of the search committee for the 2026-2027 Cognitive Neuroscience / Cognitive Psychology (Assistant Professor) search.

Nominated Representative — *Graduate Student Affairs, Duke University* 2019-2023
Student Liaison to the Graduate School, representing Cognitive Neuroscience.

Departmental Event Planner — *Center for Cognitive Neuroscience, Duke University* 2021-2022
Contributed to planning the annual departmental retreat and solicited feedback from members of the department on culture, practices, and issues.

Journal Club Organizer — *Center for Cognitive Neuroscience, Duke University* 2019-2020
Organized and managed a weekly journal club for trainees in the Center.

Volunteer Editor — *The Inkblot: Undergraduate Journal of Psychology* 2017-2018
Reviewed & edited papers from undergraduate psychology students.

Outreach

Outreach Volunteer — *University of Pennsylvania* 2023–2025
Mentored prospective Ph.D. applicants from underrepresented groups via MindCORE DivE In. Moderated panels, led workshops, mentored students.

Outreach Lecturer — *Duke University* 2023
Lectured on learning strategies and mental health as part of an NIH-funded outreach program for high-school students from underrepresented groups.

Program Coordinator & Mentor — *Cognitive Neuroscience Research Internship* 2020–2023
Contributed to founding and leading a research internship program that provides equitable and accessible research opportunities for undergraduate students from historically underrepresented backgrounds. Lectured, mentored, administrated, and obtained funding.

Service-Learning Facilitator — *Neuroscience Service-Learning Course, Duke University* 2021
Contributed to developing a service-learning course and forging community partnerships. Oversaw the design, production, and donation of educational neuroscience activity kits for children in underserved neighborhoods.

Mentor — *Científico Latino: Graduate School Mentorship Initiative* 2019–2022
Guided STEM graduate school applicants from underrepresented minorities. Revised graduate and NSF-GRFP applications, conducted mock interviews.

Selected Press

For an expanded list of press coverage, see https://sinclairlab.rice.edu/pages/press

Rice News (2026): New research shows how perceptions of immunity shape vaccine decisions
Researchers develop personalized tool to help people better understand immunity and make informed health decisions.

Penn Today (2025): What Behavioral Strategies Motivate Environmental Action?
A collaborative study tested 17 strategies in an "intervention tournament."

Duke Today (2024): Yet Another Reason Why You Should Sleep on it Before Making an Important Decision
Science proves, once again, that we are easily deceived by first impressions.

MedPage Today (2023): Why Aren't People Getting the Bivalent COVID Booster?
Survey shows lack of awareness on eligibility, availability, and some just think they're immune.

Duke Today (2023): This One Simple Brain Hack Might Boost Learning and Improve Mental Health
A simple shift from a high-pressure mindset to a curious one improves people's memory.

Big Think (2022): How Trying to Predict the Future can Transform Your Memories
Whenever you're surprised, there's a good chance that your brain is busy tweaking your memories.

Nature News & Views (2021): Risks, Real and Imagined
A new study finds that imagining a personalized disease transmission event amplifies perceived risk and bolsters risk-related information seeking in older age.

Peer Reviewing

Nature Human Behaviour
Psychological Science
Current Biology
NeuroImage
npj Science of Learning
Journal of Cognitive Neuroscience
Memory
Oxford University Press
Current Research in Behavioral Sciences
Learning & Memory
Cognition
Learning & Motivation
Memory & Cognition
Neuropsychologia
Personality Science
Journal of Applied Research in Memory and Cognition
Quarterly Journal of Experimental Psychology
Frontiers in Psychology
Frontiers in Public Health
Open Mind: Discoveries in Cog. Sci.
Philosophical Transactions of the Royal Society B
Quarterly Journal of Experimental Psychology
WIREs Cognitive Science

Skills

- fMRI data collection (Level 2 operator certified)
- fMRI data analysis (**FSL**, **fMRIprep, SPM, bash**)
- Data analysis with **R** and **Python**, multilevel modeling
- Computational modeling (reinforcement learning, large language models)
- Experiment programming with **Python** and **Javascript** (Qualtrics, Psychopy, Pavlovia)
- Data visualization with **R** and **Adobe Illustrator**

Affiliations

- Cognitive Neuroscience Society
- Psychonomic Society
- Society for Neuroscience
- Society for Applied Research in Memory & Cognition
- Social and Affective Neuroscience Society
- Society for Neuroeconomics