

Caleb N. Jerinic-Brodeur

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EDUCATION

University of Texas at Austin 2022 – Present
Ph.D., Psychology (*Expected Spring 2027*)
Area: Cognition, Perception, & Brain
Advisor: Jarrod A. Lewis-Peacock, Ph.D.

Arizona State University 2018 – 2022
B.S., Psychology (Psychological Science)
Minor: Biological Sciences
Cum laude
Advisor: Gene A. Brewer, Ph.D.

RESEARCH INTERESTS

Broad

- Memory, cognitive control, emotion, cognitive and affective neuroscience

Specific

- Inhibitory control of working memory and long-term memory
- Cognitive and neural impacts of emotion on controlled memory processes
- Regulation of emotional memories
- Dynamics of memory accessibility and control over time

Methodologies

- Functional magnetic resonance imaging (fMRI), multivariate pattern analysis (MVPA), closed-loop neurofeedback

FELLOWSHIPS, AWARDS, & HONORS

2026 **Professional Development Travel Award**, University of Texas at Austin

2025 **John Dallenbach Summer Research Fellowship**, College of Liberal Arts, University of Texas at Austin

2024 **Professional Development Travel Award**, University of Texas at Austin

2024 **Rosenfield Fellowship**, Professional Development Travel Award, University of Texas at Austin

PEER-REVIEWED PUBLICATIONS

- 2024 **Jerinic-Brodeur, C.N.**, Banich, M.T., & Lewis-Peacock, J.A. (2024). Maintenance suppression reduces the accessibility of visual information in working memory regardless of its normative valence. *Frontiers in Cognition*, 3, 1487851. <https://doi.org/10.3389/fcogn.2024.1487851>

MANUSCRIPTS SUBMITTED & IN PREPARATION

[* = equal contribution]

Jerinic-Brodeur, C.N., Dunsmoor, J.E., & Lewis-Peacock, J.A. (under review). Maintenance suppression is robust to information associated with threat. Submitted to *Emotion*.

Elliott, B.L. *, **Jerinic-Brodeur, C.N.** *, Langley, E.B., Williams, C., & Brewer, G.A. (invited revision). Value-Directed Memory Encoding Alters Goal-Directed Attention: A Comparison of Encoding Goal-States Using Pupillometry and Thought Probes. Under review at *Memory & Cognition*. <https://doi.org/10.31234/osf.io/mnwvx>

INVITED PRESENTATIONS

- 2025 *Controlling emotional content in working memory*. Memory & Attention Lab Speaker Series, University of South Dakota.

CONFERENCE PRESENTATIONS (TALKS)

- 2024 Bretton, Z., **Jerinic-Brodeur, C.N.**, Rowlands, M., Sahakyan, L., Anderson, M.C., & Lewis-Peacock, J.A. (2024). *Maintenance suppression shares processes with retrieval suppression that may help purge memory intrusions*. Working Memory Symposium, Virtual.
- 2023 **Jerinic-Brodeur, C.N.**, Banich, M.T., & Lewis-Peacock, J.A. (2023). *Impacts of Emotion on Maintenance Suppression*. Dallas & Austin Area Memory Meeting, Dallas, TX.
- Jerinic-Brodeur, C.N.**, Banich, M.T., & Lewis-Peacock, J.A. (2023). *Behavioral impacts of removing emotional information from working memory*. Working Memory Symposium, Virtual.

CONFERENCE PRESENTATIONS (POSTERS)

- 2026 **Jerinic-Brodeur, C.N.**, Bretton, Z., Rowlands, M., Sahakyan, L., Anderson, M.C., & Lewis-Peacock, J.A. (2026). *Failed retrieval stopping elicits suppression of working memory content*. Cognitive Neuroscience Society, Vancouver, BC, Canada.
- 2025 **Jerinic-Brodeur, C.N.**, Dunsmoor, J.E., & Lewis-Peacock, J.A. (2025). *Maintenance suppression is disrupted by information associated with threat*. Cognitive Neuroscience Society, Boston, MA.

- 2024 **Jerinic-Brodeur, C.N.**, Banich, M.T., & Lewis-Peacock, J.A. (2024). *Maintenance suppression reduces the accessibility of visual working memories regardless of their normative valence*. Cognitive Neuroscience Society, Toronto, ON, Canada.
- 2021 **Jerinic-Brodeur, C.N.**, Elliott, B.L., Williams, C., Pages, E., & Brewer, G.A. (2021). *Value-Directed Memory Encoding Alters Goal-Directed Attention: A Comparison of Value-directed and Memory-directed Encoding*. Context and Episodic Memory Symposium, Philadelphia, PA.

RESEARCH EXPERIENCE

- 2022 – Present **Doctoral Researcher**
Lewis-Peacock Lab, University of Texas at Austin
Director: Jarrod A. Lewis-Peacock, Ph.D.
- 2020 – 2022 **Undergraduate Research Assistant**
Memory and Attention Control Lab, Arizona State University
Director: Gene A. Brewer, Ph.D.

TEACHING EXPERIENCE

- **Cognitive Neuroscience**, *Graduate TA*, Department of Psychology, University of Texas at Austin (1 semester)
- **Advanced Data Analysis and Methods for the Behavioral Sciences**, *Graduate TA*, Department of Psychology, University of Texas at Austin (2 semesters)
- **Introduction to Psychology**, *Undergraduate TA*, Department of Psychology, Arizona State University (3 semesters)

MENTORING

Undergraduate Research Assistant Supervision

Lewis-Peacock Lab, University of Texas at Austin

- Cindy Sanders (2025 – Present)
- Amelia Canright (2023 – Present)
- Swetha Ayinala (2025)
- Nico Sanchez (2024)
- Aisha Analil (2022 – 2024)
- Nikafareed Papari (2023 – 2024)
- Amaris Mendoza (2023)

Memory and Attention Control Lab, Arizona State University

- Megan Hall (2022)
- Zaid Elsabbagh (2022)

RELEVANT TRAININGS

- 2025 **NeuroHackademy** summer workshop in neuroimaging and data science, University of Washington eScience Institute, Seattle, WA

SCIENCE EDUCATION & OUTREACH

- 2025 Outreach booth leader at Center for Learning and Memory: Memory Matters outreach event, University of Texas at Austin
- 2024 Workshop leader in professional development and academic research posters for Psychology Undergraduate Mentoring Program, University of Texas at Austin
- 2024 Invited panelist for Summer Undergraduate Research Experience professional development session, University of Texas at Austin
- 2022 Mentor for Psi Chi Psychology Mentorship Program, Arizona State University
- 2021 Mentor for Psi Chi Psychology Mentorship Program, Arizona State University

AD HOC REVIEW

Memory & Cognition

PROFESSIONAL MEMBERSHIPS

- American Psychological Association (2026 – Present)
- Cognitive Neuroscience Society (2023 – Present)
- Society for Neuroscience (2022 – Present)
- Psi Chi Psychology Honors Society (Lifetime Member)

REFERENCES

Jarrold A. Lewis-Peacock, Ph.D.
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Professor, Department of Psychology
University of Texas at Austin