

Emily G. Liquin

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[Google Scholar Profile](#)

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ACADEMIC EMPLOYMENT

- 2024-Present **Assistant Professor**
Department of Psychology, University of New Hampshire
- 2021-2024 **Postdoctoral Fellow**
Department of Psychology, New York University
Advisors: Dr. Todd Gureckis & Dr. Marjorie Rhodes

EDUCATION

- 2021 **Ph.D., Cognitive Psychology**
Princeton University
Dissertation: *Imperfect inquiry: How curiosity and satisfaction guide learning*
Advisors: Dr. Tania Lombrozo & Dr. Alison Gopnik
- 2020 **M.A., Cognitive Psychology**
Princeton University
- 2016 **B.A., Cognitive Science and Psychology** (summa cum laude; departmental honors)
Northwestern University
Thesis: *Touchscreen devices and young children: Symbolic understanding, the video deficit, and increasing symbolic competence*
Advisor: Dr. David Uttal

GRANTS & FELLOWSHIPS

- 2022-2024 NSF SBE Postdoctoral Research Fellowship (\$138,000)
“Investigating the cognitive mechanisms underlying children's question asking”
- 2020 Graduate Student Research Grant, Princeton Program in Cognitive Science
- 2019-2020 Graduate Fellow, Princeton Program in Cognitive Science
- 2016-2021 NSF Graduate Research Fellowship
- 2016-2018 Berkeley Fellowship for Graduate Study
- 2014, 2015 Summer Undergraduate Research Grant, Northwestern University
- 2015 Fellowship for International Study, Northwestern University

HONORS & AWARDS

2021	Finalist, William James Prize (best student paper), Society for Philosophy and Psychology
2019	Graduate Student Travel Award, Society for Philosophy and Psychology
2019	Graduate Student Travel Award, Society for Research in Child Development
2018	Glushko Student Travel Award, Cognitive Science Society
2018	Graduate Student Travel Award, Society for Philosophy and Psychology
2015	Phi Beta Kappa, Northwestern University

REFEREED JOURNAL ARTICLES

1. Liquin, E. G. & Lombrozo, T. (2024). Breaking down (and moving beyond) novelty as a trigger of curiosity. Commentary on Ivancovsky, Baror & Bar. *Behavioral and Brain Sciences*, 47, e106. [\[paper\]](#)
2. Metz, S. E., Liquin, E. G., & Lombrozo, T. (2023). Distinct profiles for beliefs about religion versus science. *Cognitive Science*, 47(11), e13370. [\[paper\]](#)
3. Lombrozo, T. & Liquin, E. G. (2023). Explanation is effective because it is selective. *Current Directions in Psychological Science*, 32(3), 212–219. [\[paper\]](#)
4. Lewry, C., Gorucu, S., Liquin, E. G., & Lombrozo, T. (2023). Minimally counterintuitive stimuli trigger greater curiosity than merely improbable stimuli. *Cognition*, 230, 105286. [\[paper\]](#) [\[preprint\]](#)
5. Hart, Y., Kosoy, E., Liquin, E. G., Leonard, J. A., Mackey, A. P., & Gopnik, A. (2022). The development of creative search strategies. *Cognition*, 225, 105102. [\[paper\]](#) [\[preprint\]](#)
6. Liquin, E. G. & Lombrozo, T. (2022). Motivated to learn: An account of explanatory satisfaction. *Cognitive Psychology*, 132, 101453. [\[paper\]](#)
7. Liquin, E. G. & Gopnik, A. (2022) Children are more exploratory and learn more than adults in an approach-avoid task. *Cognition*, 218, 104940. [\[paper\]](#) [\[preprint\]](#)
8. Liquin, E. G., Metz, S. E., & Lombrozo, T. (2020) Science demands explanation, religion tolerates mystery. *Cognition*, 204, 104398. [\[paper\]](#)
9. Liquin, E. G. & Lombrozo, T. (2020) Explanation-seeking curiosity in childhood. *Current Opinion in Behavioral Sciences*, 35, 14-20. [\[paper\]](#)
10. Liquin, E. G. & Lombrozo, T. (2020) A functional approach to explanation-seeking curiosity. *Cognitive Psychology*, 119, 101276. [\[paper\]](#)
11. Liquin, E. G. & Lombrozo, T. (2018). Structure-function fit underlies the evaluation of teleological explanations. *Cognitive Psychology*, 107, 22-43. [\[paper\]](#)

PREPRINTS & UNDER REVIEW

1. Liquin, E. G., Rhodes, M. & Gureckis, T. M. (in revision). Seeking new information with old questions: Children and adults reuse and remix concepts from prior questions. [\[preprint\]](#)

REFEREED CONFERENCE PROCEEDINGS

1. Liquin, E. G., Rhodes, M., & Gureckis, T. M. (2024). Reuse and remixing in question asking across development. In L. K. Samuelson, S. Frank, M. Toneva, A. Mackey & E. Hazeltine (Eds.) *Proceedings of the 46th Annual Conference of the Cognitive Science Society* (pp. 1137-1144). Cognitive Science Society. [\[paper\]](#)
2. Liquin, E. G., Luzuriaga, N., & Gureckis, T. M. (2023). Teaching and learning through pedagogical environment design. In M. Goldwater, F. Anggoro, B. Hayes, & D. Ong (Eds.) *Proceedings of the 45th Annual Conference of the Cognitive Science Society* (pp. 957- 963). Cognitive Science Society. [\[paper\]](#)
3. Liquin, E. G. & Gureckis, T. M. (2022). Where questions come from: Reusing old questions in new situations. In J. Culbertson, A. Perfors, H. Rabagliati, & V. Ramenzoni (Eds.) *Proceedings of the 44th Annual Conference of the Cognitive Science Society*. Cognitive Science Society. [\[paper\]](#)
4. Liquin, E. G., Callaway, F., & Lombrozo, T. (2021). Developmental change in what elicits curiosity. In T. Fitch, C. Lamm, H. Leder, & K. Teßmar-Raible (Eds.), *Proceedings of the 43rd Annual Conference of the Cognitive Science Society* (pp. 1360- 1366). Cognitive Science Society. [\[paper\]](#)
5. Liquin, E. G., Callaway, F., & Lombrozo, T. (2020). Quantifying curiosity: A formal approach to dissociating causes of curiosity. In S. Denison., M. Mack, Y. Xu, & B.C. Armstrong (Eds.), *Proceedings of the 42nd Annual Conference of the Cognitive Science Society* (pp. 309-315). Cognitive Science Society. [\[paper\]](#)
6. Liquin, E. G. & Lombrozo, T. (2019). Inquiry, theory-formation, and the phenomenology of explanation. In A.K. Goel, C.M. Seifert, & C. Freksa (Eds.), *Proceedings of the 41st Annual Conference of the Cognitive Science Society* (pp. 664-670). Cognitive Science Society. [\[paper\]](#)
7. Liquin, E. G. & Lombrozo, T. (2018). Determinants and consequences of the need for explanation. In T.T. Rogers, M. Rau, X. Zhu, & C.W. Kalish (Eds.), *Proceedings of the 40th Annual Conference of the Cognitive Science Society* (pp. 696-701). Cognitive Science Society. [\[paper\]](#)
8. Liquin, E. G., Metz, S. E., & Lombrozo, T. (2018). Explanation and its limits: Mystery and the need for explanation in science and religion. In T.T. Rogers, M. Rau, X. Zhu, & C.W. Kalish (Eds.), *Proceedings of the 40th Annual Conference of the Cognitive Science Society* (pp. 2065-2070). Cognitive Science Society. [\[paper\]](#)
9. Liquin, E. G. & Lombrozo, T. (2017). Explain, explore, exploit: Effects of explanation on information search. In G. Gunzelmann, A. Howes, T. Tenbrink, & E. J. Davelaar (Eds.),

Proceedings of the 39th Annual Conference of the Cognitive Science Society (pp. 2598- 2603).
Cognitive Science Society. [\[paper\]](#)

CONFERENCE PRESENTATIONS

Talks

1. Liquin, E. G., Rhodes, M., & Gureckis, T. M. (2024, July). *Reuse and remixing in question asking across development*. Talk presented at the annual meeting of the Cognitive Science Society, Rotterdam, Netherlands.
2. Liquin, E. G., Gureckis, T. M., & Rhodes, M. (2024, June). *Overhypotheses shape question asking in children and adults*. Talk presented at the annual meeting of the Society for Philosophy and Psychology, West Lafayette, IN.
3. Liquin, E. G., Callaway, F. & Lombrozo, T. (2024, June) *How curiosity drives us towards good explanations*. Talk presented at the International Conference on Thinking, Milan, Italy.
4. Liquin, E. G., Luzuriaga, N. & Gureckis, T. M. (2023, July). *Teaching and learning through pedagogical environment design*. Talk presented at the annual meeting of the Cognitive Science Society, Sydney, Australia.
5. Liquin, E. G., Tsai, B., Rhodes, M. & Gureckis, T. M. (2023, June). *The origins of information-seeking questions*. Talk presented at the annual meeting of the Society for Philosophy and Psychology, Pittsburgh, PA.
6. Liquin, E. G., & Gureckis, T. M. (2022, July). *Where questions come from: Reusing old questions in new situations*. Talk presented at the annual meeting of the Cognitive Science Society, Toronto, ON. [\[talk video\]](#)
7. Liquin, E. G., Callaway, F., & Lombrozo, T. (2021, June). *Drivers of curiosity: A computational account*. Talk presented at “Minds at Play” pre-conference workshop at the annual meeting of the Cognitive Science Society, virtual.
8. Liquin, E. G., & Lombrozo, T. (2021, June). *Explanatory satisfaction tracks epistemic success and motivates inquiry*. Talk presented at the annual meeting of the Society for Philosophy and Psychology, virtual. Finalist for William James Prize (best student paper).
9. Liquin, E. G., Callaway, F., & Lombrozo, T. (2021, April). *Developmental change in the triggers of curiosity*. Talk presented at the biennial meeting of the Society for Research in Child Development, virtual.
10. Liquin, E. G., Callaway, F., & Lombrozo, T. (2020, July). *Quantifying curiosity: A formal approach to dissociating causes of curiosity*. Talk presented at the annual meeting of the Cognitive Science Society, virtual. [\[talk video\]](#)
11. Liquin, E. G. & Lombrozo, T. (2019, July). *Inquiry, theory-formation, and the phenomenology of explanation*. Talk presented at the annual meeting of the Cognitive Science Society, Montreal, QB.

12. Liquin, E.G. & Lombrozo, T. (2019, July). *Causal structure modulates the preference for simple explanations*. Talk presented at the annual meeting of the Society for Philosophy and Psychology, San Diego, CA.
13. Liquin, E. G. & Gopnik, A. (2019, March). *Learning from approach-avoid decisions: Children explore and learn more than adults*. Talk presented at the biennial meeting of the Society for Research in Child Development, Baltimore, MD.
14. Liquin, E. G. & Lombrozo, T. (2019, March). *Determinants of explanation-seeking curiosity across development*. Talk presented at the biennial meeting of the Society for Research in Child Development, Baltimore, MD.
15. Liquin, E. G. & Lombrozo, T. (2018, July). *Determinants and consequences of the need for explanation*. Talk presented at the annual meeting of the Cognitive Science Society, Madison, WI.
16. Liquin, E. G. & Lombrozo, T. (2018, July). *What demands an explanation? Expertise and utility drive explanation search*. Talk presented at the annual meeting of the Society for Philosophy and Psychology, Ann Arbor, MI.
17. Liquin, E. G. & Lombrozo, T. (2017, June). *Function over mechanism: Why teleological explanations are so compelling*. Talk presented at the annual meeting of the Society for Philosophy and Psychology, Baltimore, MD.

Selected Posters

1. Liquin, E. G., Gureckis, T. M., & Rhodes, M. (2024, March). *Reuse and remixing in question asking across development*. Poster presented at the biennial meeting of the Cognitive Development Society, Pasadena, CA.
2. Liquin, E. G., Tsai, B., Rhodes, M. & Gureckis, T. M. (2023, May). *Balancing creativity and reuse in human question asking*. Poster presented at the Curiosity, Creativity, and Complexity Conference, New York, NY.
3. Liquin, E. G., Callaway, F., Lewry, C. & Lombrozo, T. (2022, April). *A formal approach to dissociating triggers of children's curiosity*. Poster presented at the biennial meeting of the Cognitive Development Society, Madison, WI.
4. Liquin, E. G., Callaway, F., & Lombrozo, T. (2021, July). *Developmental change in what elicits curiosity*. Poster presented at the annual meeting of the Cognitive Science Society, virtual.
5. Liquin, E. G., Gorucu, S., & Lombrozo, T. (2019, October). *Developmental changes in future-oriented explanation search*. Poster presented at the biennial meeting of the Cognitive Development Society, Louisville, KY.
6. Liquin, E. G. & Lombrozo, T. (2019, July). *Causal structure and probability information modulate the preference for simple explanations*. Poster presented at the annual meeting of the Cognitive Science Society, Montreal, QB.
7. Liquin, E. G., Metz, S. E., & Lombrozo, T. (2018, July). *Explanation and its limits: Mystery and the need for explanation in science and religion*. Poster presented at the annual meeting of the Cognitive Science Society, Madison, WI.

8. Liquin, E. G. & Gopnik, A. (2018, July). *Learning from approach-avoid decisions in children and adults*. Poster presented at “Understanding Exploration-Exploitation Tradeoffs” pre-conference workshop at the annual meeting of the Cognitive Science Society, Madison, WI.
9. Liquin, E. G. & Gopnik, A. (2017, October). *4- to 8-year-olds balance exploration and exploitation*. Poster presented at the biennial meeting of the Cognitive Development Society, Portland, OR.
10. Liquin, E. G. & Lombrozo, T. (2017, July). *Explain, explore, exploit: Effects of explanation on information search*. Poster presented at the annual meeting of the Cognitive Science Society, London, England.
11. Liquin, E. G., Sheehan, K. J., & Uttal, D. H. (2017, April). *Symbols and screens: Young children are better at using a paper map than a touchscreen map*. Poster presented at the biennial meeting of the Society for Research in Child Development, Austin, TX.

INVITED TALKS

1. How curiosity and satisfaction guide explanatory inquiry (2023).
Evolution and Social Cognition Team, École normale supérieure - PSL
2. How curiosity guides us towards good explanations (2022).
Cognitive Development Center Seminar, Central European University
3. A formal approach to dissociating triggers of curiosity across development (2021).
Language and Cognition Lab, Stanford University
4. The role of curiosity and satisfaction in learning from inquiry (2020).
Affective Brain Lab Seminar, University College London
5. Developmental changes in curiosity, exploration, and learning (2020).
Developmental Psychology Brownbag, Stanford University
6. Explanation seeking and satisfaction within the process of inquiry (2019).
Early Childhood Cognition Lab Meeting, Massachusetts Institute of Technology
7. Explanation seeking and satisfaction within the process of information search (2019).
ConCats (Concepts and Categories) Seminar, New York University
8. A functional approach to explanation-seeking curiosity (2019).
Cognitive Science Graduate Seminar, Rutgers University
9. How do children balance information and reward in exploratory decision making? (2017).
Language and Cognitive Development Lab Meeting, UC Berkeley

MENTORING / TEACHING

Mentoring: PhD Students

- Madeline Klotz, University of New Hampshire (2024-Present)

Mentoring: Undergraduate Students

University of New Hampshire: Ella Curtis (2025-Present), Skyler Murphy (2024-Present), Sydney Staples (2024-Present), Angel Eaton (2024-Present), Tucker Lane (2024-Present), Julie Fredricksen (2024-Present)

New York University: Jasmine Tepper (2023-2024), Brenda Chavez-Olguin (2024), Archisha Murthy (2023), Barron Tsai (2022-2023), Nicole Luzuriaga (2022)

Princeton University: Sera Gorucu (2019-2020)

University of California, Berkeley: Prsni Patel (2019), Isha Shah (2019), Kaitlan Tseng (2018), Rachel Marcus (2018-2019), Sarah Yang (2018), Cortland Jell (2017-2018), Lena Gavenas (2017-2018), Alicia Lunardhi (2017), Ian Bicket (2017), Katie Reed (2017), Heather Robinson (2017), Nicole Breer (2016-2018), Daniel Petrie (2016-2017)

Teaching

Spring 2025, *PSYC 741: Psychology of Curiosity* (Instructor)
Fall 2024 University of New Hampshire

Fall 2019 *PSY 254: Developmental Psychology* (Teaching Assistant)
Instructor: Dr. Casey Lew-Williams
Princeton University

Spring 2018, *L&S 22: Sense and Sensibility and Science* (Teaching Assistant)
Spring 2017 Instructors: Drs. Tania Lombrozo, John Campbell, and Saul Perlmutter
University of California, Berkeley

Fall 2017 *Quantitative Analysis and Coding Knowledge Workshop* (Guest Lecturer)
Lecture topics: Basic Statistics in R, Plotting in R with ggplot2, Intro to Online Experiments
University of California, Berkeley

SERVICE

University/Department Service

2024-Present Member, Psychology Undergraduate Program Committee
University of New Hampshire

2022-2024 Coordinator, ConCats (Concepts and Categories) talk series
New York University

2019 Co-Coordinator, Neuroscience and Social Decision Making (NSDM) talk series
Princeton University

2017 Co-Coordinator, Quantitative Analysis and Coding Knowledge (QuACK) workshops (workshop series for first-year graduate students in psychology)
University of California, Berkeley

Updated 1/4/2025

Service to Professional Societies

2024-Present Executive Committee Member, *Society for Philosophy and Psychology*

Ad Hoc Journal Reviewer

Cognition

Cognitive Psychology

Child Development

Cognitive Science

Journal of Cognitive Psychology

Journal of Experimental Psychology: General

Journal of Experimental Psychology: Learning, Memory, and Cognition

Open Mind: Discoveries in Cognitive Science

PLOS ONE

Trends in Cognitive Sciences

Conference Reviewer

The Annual Meeting of the Cognitive Science Society

The Annual Meeting of the Society for Philosophy and Psychology

Grant Reviewer

Panelist, NSF Directorate for STEM Education (EDU) Core Research

Panelist, NSF Science of Learning and Augmented Intelligence

Other Service & Activities

2021-Present Editor, *Application Statement Feedback Program* (<https://www.asfp.io/>)

2024 Mentor, *Cognitive Science Society Mentoring Program*

2023-2024 Mentor, *Cognitive Development Society Mentorship Program*

PROFESSIONAL MEMBERSHIPS

Cognitive Science Society

Cognitive Development Society

Society for Philosophy and Psychology