

MADELINE H. PELGRIM

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EDUCATION

PhD in Cognitive Science Sep 2020 - Present
Brown University, Providence, RI, USA
 Supervisor: Daphna Buchsbaum

H. BSc in Psychology & Biology with High Distinction Sep 2015 – Jun 2019
The University of Toronto, Toronto, ON, Canada

PUBLICATIONS

1. **Pelgrim, M. H.**, Espinosa, J., Buchsbaum, D. (2022) Head-Mounted Mobile Eye-tracking in the Domestic Dog: A New Method. *Behavior Research Methods* <https://doi.org/10.3758/s13428-022-01907-3>
2. **Pelgrim, M. H.**, & Buchsbaum, D. (2022) Categorizing Dogs' Real World Visual Statistics. *Proceedings of the 44th Annual Conference of the Cognitive Science Society*. <https://escholarship.org/uc/item/769022r9>
3. ManyDogs Project, Espinosa, J., Bray, E. E., Buchsbaum, D., Byosiere, S. Byrne M, Freeman, M. S., Gnanadesikan, G. E., Guran, A., Horschler, D. J., Huber, L., Johnston, A. M., MacLean, E. L., **Pelgrim, M. H.**, Santos, L., Silver, Z. A., Stevens, J. R., Völter, C. J., & Zipperling L. (pre-registered report accepted in principle). ManyDogs 1: A multi-lab replication study of dogs' pointing comprehension. *Animal Behavior and Cognition*: <https://doi.org/10.31234/osf.io/f86jq>
4. **Pelgrim, M. H.**, Espinosa, J., Tecwyn, E.C., Marton, S. M., Johnston, A.M., Buchsbaum, D. (2021) What's the point? Domestic Dogs' understanding of the accuracy of human social informants. *Animal Cognition*. <https://doi.org/10.1007/s10071-021-01493-5>
5. **Pelgrim M.**, Aulakh, A., Ekmekjian, G., Dias K., Somanader, E., Peng, X.J. (2019, June). The Globe at Gunpoint: An analysis of conflict and climate-change induced migration. *Juxtaposition* 12(1), 21 – 24.

CONFERENCE PRESENTATIONS

1. **Pelgrim, M.** & Buchsbaum, D. (2022, July) Categorizing Dogs' Real World Visual Statistics. Talk accepted to the 44th Annual Conference of the Cognitive Science Society online and in Toronto, ON, Canada
2. **Pelgrim, M.**, Espinosa, J., Buchsbaum, D. (2022, April). Impact of Value and Familiarity on Dogs' Food Preferences. Talk at the 29th Annual International Conference of the Comparative Cognition Society online
3. Gatesy-Davis, A., **Pelgrim, M.**, Buchsbaum, D. (2022, April). Measuring Humans' Trust in Dogs with the Multi-Dimensional Measure of Trust (MDMT). Poster at the 29th Annual International Conference of the Comparative Cognition Society online

4. **Pelgrim, M.**, Espinosa, J., Buchsbaum, D. (2021, July). Head Mounted Eye-Tracking In Dogs: A New Method. Talk at the *7th Biannual Canine Science Forum* online & in Lisbon, Portugal
5. ManyDogs, Espinosa, J., **Pelgrim, M.**, Byosiére S. (2021, July). The ManyDogs Project. Virtual round table at the *7th Biannual Canine Science Forum* online & in Lisbon, Portugal
6. Espinosa, J., Corbit, L., McGinn, K., **Pelgrim, M.**, Buchsbaum, D. (2021, July). Domestic dogs understanding of the temporal priority principle. Virtual Talk at the *7th Biannual Canine Science Forum* online & in Lisbon, Portugal
7. **Pelgrim, M.**, Espinosa, J., Buchsbaum, D. (2021, April). Head Mounted Eye-Tracking In Dogs: An Update and Future Directions. Talk at the *East Coast Canine Cognition Workshop* online
8. **Pelgrim, M.**, Espinosa, J., Buchsbaum, D. (2021, April). Wearable Eye-tracking in the Domestic Dog: A New Method. Talk at the *28th Annual International Conference of the Comparative Cognition Society* online
9. **Pelgrim, M.**, Espinosa, J., Tecwyn, E., Marton, S., Johnston, A., Buchsbaum, D. (2021, April). Domestic Dogs' understanding of the accuracy of human social informants. Poster at the *Society for Research in Child Development Biennial Conference* online
10. Gnanadesikan, Gitanjali E., Julia Espinosa & **ManyDogs**. (2021, January). ManyDogs 1: An International Collaborative Approach to Pointing Comprehension in Domestic Dogs. Presented at the *Animal Behaviour Twitter Conference*. <https://twitter.com/ManyDogsProject/status/1354550089918767105>
11. Espinosa, J., Corbit, L., McGinn, K., **Pelgrim, M.**, Buchsbaum, D. (2020, September). Exploring domestic dogs use of temporal directionality for inferring hidden causal relations. Talk presented virtually at the *University of Toronto's Ebbinghaus Empire Meeting* online, originally scheduled to be in Toronto, ON, Canada,
12. Espinosa, J., Corbit, L., McGinn, K., **Pelgrim, M.**, Buchsbaum, D. (2020, July). Investigating the spatiotemporal priority principle in domestic dogs. Talk presented virtually at the *Animal Behaviour Society Virtual Meeting* online, originally scheduled to be in Knoxville, TN, USA
13. Espinosa, J., Corbit, L., McGinn, K., **Pelgrim, M.**, Buchsbaum, D. (2020, July). Domestic dogs' understanding of spatial temporal priority. Poster presented virtually at the *42nd Annual Meeting of the Cognitive Science Society* online, originally scheduled to be in Toronto, ON, Canada
14. **Pelgrim, M.**, Espinosa, J., Buchsbaum, D. (2020, February). Wearable Eye-tracking in the Domestic Dog: A New Method. Talk at the *East Coast Canine Cognition Workshop* in New Haven, CT, USA
15. **Pelgrim, M.**, Espinosa, J., Tecwyn, E., Marton, S., Johnston, A., Buchsbaum, D. (2019, October). Domestic Dogs' understanding of the accuracy of human social informants. Talk at the *Canine Science Conference* in Phoenix, AZ, USA

16. **Pelgrim, M.**, Espinosa, J., Tecwyn, E., Marton, S., Johnston, A., Buchsbaum, D. (2019, July). Domestic Dogs' understanding of the accuracy of human social informants. Poster presented at the *41st Annual Meeting of the Cognitive Science Society* in Montreal, QC, Canada
17. **Pelgrim, M.**, Espinosa, J., Tecwyn, E., Marton, S., Johnston, A., Buchsbaum, D. (2019, April). Domestic Dogs' understanding of the accuracy of human social informants. Poster presented at the *26th Annual International Conference of the Comparative Cognition Society* in Melbourne Beach, FL, USA
18. **Pelgrim, M.**, Espinosa, J., Tecwyn, E., Marton, S., Johnston, A., Buchsbaum, D. (2019, January). What's the point? Domestic dogs understanding of the accuracy of human social cues. Talk at the *Arts and Sciences Student Union Undergraduate Research Conference* in Toronto, ON, Canada.
19. **Pelgrim, M.**, Espinosa, J., Tecwyn, E., Marton, S., Johnston, A., Buchsbaum, D. (2018, November). Domestic dogs understanding of the accuracy of human social cues. Talk at the *East Coast Canine Cognition Workshop* in New Haven, CT, USA.
20. Espinosa, J., Tecwyn, E., **Pelgrim, M.**, Marton, S., Johnston, A., Buchsbaum, D. (2018, July). What's that point all about? Domestic dogs compare the accuracy of human social cues. Talk at the *Canine Science Forum* in Budapest, Hungary.
21. **Pelgrim, M.**, Espinosa, J., Tecwyn, E., Buchsbaum, D. (2017, March). Physical reasoning in the domestic dog: An exploration of solidity. *Undergraduate Research Opportunities Program Poster Session*, Toronto, ON, Canada

RESEARCH EXPERIENCE

Graduate Researcher

Sep 2020 – Present

Brown Dog Lab at Brown University

Lab Manager

Jun 2019 – Jul 2020

Canine Cognition Lab Independent Study Student

Sep 2018 – Apr 2019

Canine Cognition Lab Coordinator

Jun 2017 – Jun 2018

Canine Cognition Lab Research Opportunity Program Student

Sep 2016 – May 2017

Computational Cognitive Development Lab at the University of Toronto

- Managed twenty-three research assistants, delegating tasks and training new lab members
- Handled dogs and interacted with their owners, recruited members of the community to bring in their dogs, and performed role of experimenter for multiple studies
- Carried out data entry, literature reviews, and created and presented posters and conference talks

INVITED TALKS

Introduction to Canine Cognition.

Sep 2019

University of Toronto Student Recruitment Training. Toronto, ON, Canada

Research in Canine Cognition: The Lab Experience.

May 2019

University of Toronto International Counsellors Event. Toronto, ON, Canada

Undergraduate Research.

Nov 2018

Psychology Student Association. Toronto, ON, Canada

SERVICE

IACUC Primary Scientific Member

May 2022 – Present

Brown University Institutional Animal Care and Use Committee, Brown University

- Conduct evaluations of animal care and use program, supervise and assess animal care and use activities, review and approve of institutional training programs

Graduate Student Representative

Jul 2021 – Jul 2022

Department of Cognitive, Linguistic, & Psychological Sciences, Brown University

- Liaise between graduate student body and department, advocate on behalf of student body, plan events, and foster a welcoming and inclusive environment

Animal Research Compliance Advisory Group Member

Feb 2021 – Present

Brown Office of Research Integrity, Brown University

- Collaborate and partner with animal research program stakeholders that will promote positive animal welfare initiatives

Meeting Organizer

Sep 2019 – Apr 2020

Greater Toronto Area Animal Cognition Group, Toronto, Ontario, CA

- Contacted and invited speakers from a wide range of disciplines and scheduled monthly meetings. Facilitated meetings, introducing speakers and moderating timing of discussion

TEACHING & MENTORING

Instructor

Pre-College Program, Brown University

Psychology Across Species: Animal Cognition & Behavior

Summer 2022

Teaching Assistant

Department of Cognitive, Linguistic, & Psychological Sciences, Brown University

Mind, Brain, and Behavior: An Interdisciplinary Approach (CLPS0010) Fall 2021

Children's Thinking (CLPS0610)

Spring 2022

Children's Thinking (CLPS0611)

Summer 2022

Student Mentorship

Brown University

International Graduate Student Peer Mentor (16 students)

Sep 2021 – Present

Research Mentor (6 students)

Sep 2020 – Present

- Brown Dog Lab, mentored on research and undergraduate and graduate career

University of Toronto

Research Mentor (20+ students)

Jun 2017 – Aug 2020

- Computational Cognitive Development Lab and Canine Cognition Lab, mentored both on research and undergraduate career

Ecology and Evolutionary Biology Peer Mentor (3 students)

October 2018 – April 2019

Woodsworth College E-Mentor (30 students)

May 2017 – September 2018

AWARDS AND HONOURS

Interactionist Cognitive Neuroscience T32 Training Grant

2023 - 2025

NSF Graduate Research Fellowship Program Honorable Mention	2022
Mary L. S. Downes Fund Fellowship Recipient	2021-2022
University of Toronto Arts & Science Students' Union Travel Grant	March 2019
NSERC Undergraduate Student Research Award	2018

SKILLS & CERTIFICATIONS

Computer Languages: R, Python

Teaching: Sheridan Centre Teaching Essentials for Graduate TA's (2021), Sheridan Centre Reflective Teaching (planned 2022)

Other tools: MATLAB, LaTeX, Head-mounted eye-tracking methods for dogs, Photoshop

SELECTED MEDIA COVERAGE

- "In Photos: U of T's Canine Cognition Lab, where dogs play and humans learn" (March, 2019) *University of Toronto News*. <https://www.utoronto.ca/news/photos-u-t-s-canine-cognition-lab-where-dogs-play-and-humans-learn>
- "What does a Scientist Look Like?" (March, 2019) *The Varsity, University of Toronto's Student Newspaper*, <https://thevarsity.ca/2019/03/10/what-does-a-scientist-look-like/>
- "How do dogs learn? U of T undergrads look for answers" (March, 2017) *University of Toronto News*. <https://www.utoronto.ca/news/how-do-dogs-learn-u-t-s-undergrads-look-answers>