

MADELINE H. PELGRIMEmail: mpelgrim@gmail.comWebsite: <https://mpelgrim.github.io/>**Education**

PhD in Cognitive Science <i>Brown University, Providence, RI, USA</i> Advisor: Daphna Buchsbaum	Sep 2020 - Present
MSc in Cognitive Science <i>Brown University, Providence, RI, USA</i>	Sep 2020 – May 2023
H. BSc in Psychology & Biology with High Distinction <i>The University of Toronto, Toronto, ON, CA</i>	Sep 2015 – Jun 2019

Publications

-
- Pelgrim, M. H.**, He, I.X., Lee, K., Pabari, F., Tellex, S., Nguyen, T., & Buchsbaum, D. (2024) Find it like a dog: Using Gesture to Improve Object Search. *Proceedings of the 46th Annual Meeting of the Cognitive Science Society*.
<https://escholarship.org/uc/item/0nk6w9fd>
- Pelgrim, M. H.**, Tidd, Z., Byrne, M., Johnston, A. M., Buchsbaum, D. (2024) Synchronous citizen science with dogs. *Animal Cognition*, 27(1): 46. <https://doi.org/10.1007/s10071-024-01882-6>
- ManyDogs Project, Espinosa, J., Stevens, J.R., Alberghina, D., Alway, H.E.E., Barela, J.D., Bogese, M., Bray, E.E., Buchsbaum, D. Byosiére, S.-E., Byrne, M., Cavalli, C. M., Chaudoir, L. M., Collins-Pisano, C., DeBoer, H.J., Douglas L.E.L.C., Dror, S., Dzik, M.V., Ferguson, B., Fisher, L., Fitzpatrick, H.C., Freeman, M.S., Frinton, S.N., Glover, M.K., Gnanadesikan, G.E., Goacher, J.E.P., Golańska, M., Guran, C.-N.A., Hare, E., Hare, B. Hickey, M., Horschler, D.J., Huber, L., Jim, H.-L., Johnston, A.M., Kaminski, J. Kelly, D.M., Kuhlmeier, V.A., Lassiter, L., Lazarowski, L., Leighton-Birch, J., MacLean, E.L., Maliszewska, K., Marra, V., Montgomery, L.I., Murray, M.S., Nelson, E.K., Ostojić, L., Palermo, S.G., Parks Russell, A.E., **Pelgrim, M.H.**, Pellowe, S.D., Reinholz, A., Rial, L.A., Richards, E.M., Ross, M.A., Rothkoff, L.G., Salomons, H., Sanger, J.K., Santos, L., Shirle, A.R., Shearer, S.J., Silver, Z.A., Silverman, J.M., Sommese, A., Srdoc, T., St. John-Mosse, H., Vega, A.C., Vékony, K., Völter, C.J., Walsh C.J., Worth, Y.A., Zipperling, L.M.I., Żołędzewska, B., & Zylberfuden, S.G. (2023) ManyDogs 1: A multi-lab replication study of dogs' pointing comprehension. *Animal Behavior & Cognition*, 10(3), 232-28. <https://doi.org/10.26451/abc.10.03.03.2023>
- Pelgrim, M. H.**, Espinosa, J., & Buchsbaum, D. (2023) The Impact of Quality and Familiarity on Dogs' Food Preferences. *Proceedings of the 45th Annual Meeting of the Cognitive Science Society*. <https://escholarship.org/uc/item/9v26x7rt>
- ManyDogs Project, Alberghina, D., Bray, E.E., Buchsbaum, D., Byosiére, S.E., Espinosa, J., Gnanadesikan, G.E., Guran, A., Hare, E., Horschler, D.J., Huber, L., Kuhlmeier, V.A., MacLean, E.L., **Pelgrim, M.H.**, Perez, B., Ravid-Schurr, D., Rothkoff, L., Sexton, C.L., Silver, Z.A., & Stevens, J.R. (2023) ManyDogs Project: A Big Team Science Approach to

Investigating Canine Behavior and Cognition. *Comparative Cognition & Behavior Reviews* <https://doi.org/10.3819/CCBR.2023.180004>

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>

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>

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>

Conference Presentations

Pelgrim, M. H., He, I.X., Lee, K., Pabari, F., Tellex, S., Nguyen, T., & Buchsbaum, D. (2024, Jul) Find it like a dog: Using Gesture to Improve Object Search. Talk at the *46th Annual Meeting of the Cognitive Science Society* in Rotterdam, Netherlands

Ross, M., **Pelgrim, M. H.,** Malle, B., & Buchsbaum, D. (2024, Jun) What makes Lassie smart? Human Perceptions of Canine Intelligence. Talk at the Canine Science Conference in Seattle, WA, USA

Pelgrim, M. & Buchsbaum, D. (2023, Apr) Categorizing Dogs' Real World Visual Statistics. Talk at the *30th Annual International Conference of the Comparative Cognition Society* in Melbourne Beach, FL, USA

Pelgrim, M. & Buchsbaum, D. (2022, Oct) Categorizing Dogs' Real World Visual Statistics. Talk at the *Canine Science Conference* in Hamilton, NY, USA

Pelgrim, M. & Buchsbaum, D. (2022, Jul) Categorizing Dogs' Real World Visual Statistics. Talk at the *44th Annual Conference of the Cognitive Science Society* online and in Toronto, ON, Canada

Pelgrim, M., Espinosa, J., Buchsbaum, D. (2022, Apr). Impact of Value and Familiarity on Dogs' Food Preferences. Talk at the *29th Annual International Conference of the Comparative Cognition Society* online

Pelgrim, M., Espinosa, J., Buchsbaum, D. (2021, Jul). Head Mounted Eye-Tracking In Dogs: A New Method. Talk at the *7th Biannual Canine Science Forum* online & in Lisbon, Portugal

ManyDogs, Espinosa, J., **Pelgrim, M.,** Byosiére S. (2021, Jul). The ManyDogs Project. Virtual round table at the *7th Biannual Canine Science Forum* online & in Lisbon, Portugal

Espinosa, J., Corbit, L., McGinn, K., **Pelgrim, M.,** Buchsbaum, D. (2021, Jul). Domestic dogs understanding of the temporal priority principle. Virtual Talk at the *7th Biannual Canine Science Forum* online & in Lisbon, Portugal

Pelgrim, M., Espinosa, J., Buchsbaum, D. (2021, Apr). Head Mounted Eye-Tracking In Dogs: An Update and Future Directions. Talk at the *East Coast Canine Cognition Workshop* online

Pelgrim, M., Espinosa, J., Buchsbaum, D. (2021, Apr). Wearable Eye-tracking in the Domestic Dog: A New Method. Talk at the *28th Annual International Conference of the Comparative Cognition Society* online

Gnanadesikan, Gitanjali E., Julia Espinosa & **ManyDogs**. (2021, Jan). 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>

Espinosa, J., Corbit, L., McGinn, K., **Pelgrim, M.**, Buchsbaum, D. (2020, Sep). 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.

Espinosa, J., Corbit, L., McGinn, K., **Pelgrim, M.**, Buchsbaum, D. (2020, Jul). 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

Pelgrim, M., Espinosa, J., Buchsbaum, D. (2020, Feb). Wearable Eye-tracking in the Domestic Dog: A New Method. Talk at the *East Coast Canine Cognition Workshop* in New Haven, CT, USA

Pelgrim, M., Espinosa, J., Tecwyn, E., Marton, S., Johnston, A., Buchsbaum, D. (2019, Oct). Domestic Dogs' understanding of the accuracy of human social informants. Talk at the *Canine Science Conference* in Phoenix, AZ, USA

Pelgrim, M., Espinosa, J., Tecwyn, E., Marton, S., Johnston, A., Buchsbaum, D. (2019, Jan). 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.

Pelgrim, M., Espinosa, J., Tecwyn, E., Marton, S., Johnston, A., Buchsbaum, D. (2018, Nov). Domestic dogs understanding of the accuracy of human social cues. Talk at the *East Coast Canine Cognition Workshop* in New Haven, CT, USA.

Espinosa, J., Tecwyn, E., **Pelgrim, M.**, Marton, S., Johnston, A., Buchsbaum, D. (2018, Jul). What's that point all about? Domestic dogs compare the accuracy of human social cues. Talk at the *Canine Science Forum* in Budapest, Hungary.

Conference Posters

Pelgrim, M. H., He, I.X., Lee, K., Pabari, F., Tellex, S., Nguyen, T., & Buchsbaum, D. (2024, Jun) What's in a point? Quantifying dog guardian pointing gestures. Poster at the *Canine Science Conference* in Seattle, WA, USA

Pelgrim, M. H., Espinosa, J., Buchsbaum, D. (2023, Jul) The Impact of Value and Familiarity on Dogs' Food Preferences. Poster at the *45th Annual Conference of the Cognitive Science Society* online & in Sydney, Australia

- Gatesy-Davis, A., **Pelgrim, M.H.**, Buchsbaum, D. (2023, Apr). A Comparison of human trust in human and non-human agents. Poster at the *30th Annual International Conference of the Comparative Cognition Society* in Melbourne Beach, FL, USA
- Ross, M., **Pelgrim, M. H.**, Buchsbaum, D. (2023, Apr). Are Dog Owner's Perceptions of their Pets' Intelligence Accurate? Poster at the *30th Annual International Conference of the Comparative Cognition Society* in Melbourne Beach, FL, USA
- Gatesy-Davis, A., **Pelgrim, M.**, Buchsbaum, D. (2022, Oct). Measuring Humans' Trust in Dogs with the Multi-Dimensional Measure of Trust (MDMT). Poster at the *Canine Science Conference* in Hamilton, NY, USA
- Gatesy-Davis, A., **Pelgrim, M.**, Buchsbaum, D. (2022, Apr). 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
- Pelgrim, M.**, Espinosa, J., Tecwyn, E., Marton, S., Johnston, A., Buchsbaum, D. (2021, Apr). Domestic Dogs' understanding of the accuracy of human social informants. Poster at the *Society for Research in Child Development Biennial Conference* online
- Espinosa, J., Corbit, L., McGinn, K., **Pelgrim, M.**, Buchsbaum, D. (2020, Jul). Domestic dogs' understanding of spatial temporal priority. Poster presented virtually at the *42nd Annual Meeting of the Cognitive Science Society* online
- Pelgrim, M.**, Espinosa, J., Tecwyn, E., Marton, S., Johnston, A., Buchsbaum, D. (2019, Jul). 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
- Pelgrim, M.**, Espinosa, J., Tecwyn, E., Marton, S., Johnston, A., Buchsbaum, D. (2019, Apr). 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
- Pelgrim, M.**, Espinosa, J., Tecwyn, E., Buchsbaum, D. (2017, Mar). Physical reasoning in the domestic dog: An exploration of solidity. *Undergraduate Research Opportunities Program Poster Session*, Toronto, ON, Canada

Research Experience

Brown University <i>Brown Dog Lab</i>	Decision making, head-mounted eye-tracking in dogs	Sep 2020 - Present
ManyDogs <i>Methods Team,</i> <i>Experimenter Review</i> <i>Team, Team Captain</i>	Led methods and protocol development, led data collection at Brown Dog Lab	Nov 2017 - Present
University of Toronto <i>Computational Cognitive</i> <i>Development Lab</i>	Physical reasoning, causal learning, and selective trust in dogs	Sep 2016 – Jun 2019

Invited Talks

Evaluating Mechanisms of Selective Social Learning <i>Brown University Developmental Brown Bag</i>	Mar 2024
What's That Dog Looking At? <i>Boston College Canine Cognition Center</i>	Mar 2023
Introduction to Canine Cognition. <i>University of Toronto Student Recruitment Training</i>	Sep 2019
Research in Canine Cognition: The Lab Experience <i>University of Toronto International Counsellors Event</i>	May 2019
Undergraduate Research <i>University of Toronto Psychology Student Association</i>	Nov 2018

Professional Service

Assistant Director: Methods Development Sep 2022 - Present
ManyDogs

- Leads committee to support ManyDogs projects implementing best practices in canine science research methods. Acts as spokesperson for the committee and provides regular updates to the Co-Directors about progress and problems.

Ad Hoc Reviewer Aug 2022 - Present

- Animal Cognition
- Developmental Science
- Proceedings of the Royal Society B

IACUC Primary Scientific Member May 2022 – Present

Brown University Institutional Animal Care and Use Committee

- 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

Brown University Department of Cognitive, Linguistic, & Psychological Sciences

- 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 University Office of Research Integrity

- 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

- 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 of Record	<i>Department of Psychology, Providence College</i> Learning & Cognition (PSY273)	Fall 2023
	<i>Pre-College Program, Brown University</i> Psychology Across Species: Animal Cognition & Behavior	Summer 2022, 23, 24
Supervisory Teaching Assistant	<i>Department of Cognitive, Linguistic, & Psychological Sciences, Brown University</i> Mind, Brain, and Behavior: An Interdisciplinary Approach (CLPS0010)	Fall 2022
	<ul style="list-style-type: none"> • Managed a team of 4 Teaching Assistants, oversaw course material preparation and grading 	
Teaching Assistant	<i>Department of Cognitive, Linguistic, & Psychological Sciences, Brown University</i> Research Methods (CLPS1901)	Spring 2023
	Children's Thinking: Asynchronous (CLPS0611)	Summer 2022, 23
	Children's Thinking (CLPS0610)	Spring 2022
	Mind, Brain, and Behavior: An Interdisciplinary Approach (CLPS0010)	Fall 2021
Student Mentorship	<i>Brown University</i> International Graduate Student Peer Mentor (~16 students per year)	Sep 2021 – Present
	Research Mentor (6 Students in the Brown Dog Lab)	Sep 2020 – Present
	<i>University of Toronto</i> Research Mentor (20+ students, Computational Cognitive Development Lab and Canine Cognition Lab)	Jun 2017 – Aug 2020
	Ecology and Evolutionary Biology Peer Mentor (3 students)	Oct 2018 – Apr 2019
	Woodsworth College E-Mentor (30 students)	May 2017 – Sep 2018

Guest Lectures

<i>Brown University</i>	
Children's Thinking	Spring 2022, 24
Research Methods	Spring 2023
<i>Occidental College</i>	
Senior Seminar on Canine Cognition	Spring 2024

Awards & Honors

NSERC Post-Graduate Scholarship – Doctoral	2023 - 2026
Kuczaj Memorial Travel Grant	2023
Interactionist Cognitive Neuroscience T32 Training Grant	2022 - 2023
NSF Graduate Research Fellowship Program Honorable Mention	2022
Mary L. S. Downes Fund Fellowship Recipient	2022
Brown University Conference Travel Fund	2021, 2022
University of Toronto ASSU Travel Grant	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 (2022), Center for the Integration of Research, Teaching, and Learning (CIRTL) Change Leadership for Inclusive Teaching and Learning (2024), CIRTL Introduction to Evidence-Based Undergraduate STEM Teaching (2024)

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>