

**MADELINE H. PELGRIM**Email: [mpelgrim@gmail.com](mailto:mpelgrim@gmail.com)Website: <https://mpelgrim.github.io/>**Education**


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

**Publications**

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- 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 Annual Meeting of the Cognitive Science Society*, 45(45). <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 44<sup>th</sup> 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

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**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 *44<sup>th</sup> 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

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**Pelgrim, M. H.**, Espinosa, J., Buchsbaum, D. (2023, Jul) The Impact of Value and Familiarity on Dogs' Food Preferences. Poster accepted to the *45<sup>th</sup> 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 *30<sup>th</sup> 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 *30<sup>th</sup> 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 *29<sup>th</sup> 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 *42<sup>nd</sup> 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 *41<sup>st</sup> 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

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

### Invited Talks

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

<b>Assistant Director: Methods Development</b> <i>ManyDogs</i>	Sep 2022 - Present
<ul style="list-style-type: none"> <li>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.</li> </ul>	
<b>Ad Hoc Reviewer</b>	Aug 2022 - Present

- Animal Cognition

**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**


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<b>Instructor</b>	<i>Pre-College Program, Brown University</i> Psychology Across Species: Animal Cognition & Behavior	Summer 2022, 23
	<ul style="list-style-type: none"> <li>• Independent instructor responsible for course design, teaching, assignments, and grading (~20 students)</li> </ul>	
<b>Supervisory Teaching Assistant</b>	<i>Department of Cognitive, Linguistic, &amp; Psychological Sciences, Brown University</i> Mind, Brain, and Behavior: An Interdisciplinary Approach (CLPS0010)	Fall 2022
	<ul style="list-style-type: none"> <li>• Managed a team of 4 Teaching Assistants, oversaw course material preparation and grading</li> </ul>	
<b>Teaching Assistant</b>	<i>Department of Cognitive, Linguistic, &amp; Psychological Sciences, Brown University</i> Research Methods (CLPS1901). Children's Thinking: Asynchronous (CLPS0611)	Spring 2023 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

**Awards & Honors**


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NSERC Post-Graduate Scholarship – Doctoral	<b>2023 - 2026</b>
Kuczaj Memorial Travel Grant	<b>2023</b>
Interactionist Cognitive Neuroscience T32 Training Grant	<b>2022 - 2023</b>
NSF Graduate Research Fellowship Program Honorable Mention	<b>2022</b>
Mary L. S. Downes Fund Fellowship Recipient	<b>2022</b>
Brown University Conference Travel Fund	<b>2021, 2022</b>
University of Toronto ASSU Travel Grant	<b>2019</b>
NSERC Undergraduate Student Research Award	<b>2018</b>

**Skills & Certifications**


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**Computer Languages:** R, Python

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

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

**Selected Media Coverage**


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“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>