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EDUCATION

PhD in Cognitive Science

September 2020 - Present

Brown University, Providence, RI, USA

Supervisor: Daphna Buchsbaum

H. BSc in Psychology & Biology with High Distinction

September 2015 – June 2019

*The University of Toronto, Toronto, ON, Canada***PUBLICATIONS**

Pelgrim, M., Espinosa, J., Buchsbaum, D. (2021) *Head-Mounted Mobile Eye-tracking in the Domestic Dog: A New Method*. Manuscript in preparation

ManyDogs Project, Espinosa, J., Bray, E. E., Buchsbaum, D., Byosiére, 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. (under review). ManyDogs 1: A multi-lab replication study of dogs' pointing comprehension. *PsyArXiv*: [doi: 10.31234/osf.io/f86jq](https://doi.org/10.31234/osf.io/f86jq)

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>

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

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

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

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

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

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

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

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>

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,

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

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

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

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

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

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

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.

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.

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.

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

Brown Dog Lab at Brown University
Graduate Researcher

September 2020 – Present

Computational Cognitive Development Lab at the University of Toronto

<i>Lab Manager</i>	<i>June 2019 – July 2020</i>
<i>Canine Cognition Lab Independent Study Student</i>	<i>September 2018 – April 2019</i>
<i>Canine Cognition Lab Coordinator</i>	<i>June 2017 – June 2018</i>
<i>Canine Cognition Lab Research Opportunity Program Student</i>	<i>September 2016 – May 2017</i>

- Managed a of 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

Pelgrim, M., Espinosa J., Baron L. (2019, September). Introduction to Canine Cognition. Talk presented at the University of Toronto Student Recruitment Training. Toronto, ON, Canada

Pelgrim, M., Dong, L. (2019, May). Research in Canine Cognition: The Lab Experience. Talk presented at the University of Toronto International Counsellors Event. Toronto, ON, Canada

Pelgrim, M. (2018, November). Undergraduate Research. Talk presented at the Psychology Student Association. Toronto, ON, Canada

SERVICE

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

Graduate Student Representative *July 2021 – Present*

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

Brown Office of Research Integrity, Brown University

Animal Research Compliance Advisory Group Member *February 2021 – Present*

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

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

Meeting Organizer *September 2019 – April 2020*

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

Department of Ecology and Evolutionary Biology, University of Toronto

Ecology and Evolutionary Biology Peer Mentor *October 2018 – April 2019*

- Completed training on mentorship and leadership. Paired with an incoming second year student, helping them to integrate into the department by meeting and conversing regularly

Woodsworth College, University of Toronto

Woodsworth College E-Mentor *May 2017 – September 2018*

- Mentored incoming first year students using email and social media, sending out weekly emails

AWARDS AND HONOURS

University of Toronto Arts & Science Students' Union Travel Grant

March 2019

NSERC Undergraduate Student Research Award

2018

SKILLS

Computer Languages: R, Python

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>