

Catherine Reeve, PhD

PhD, Experimental Psychology

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Current Positions

Psychometrist 2022-present
CRUX Psychology
Halifax, NS, Canada

Dog Behaviour Consultant 2021-present
Epic Tails Canine Adventures
Halifax, NS, Canada

Previous Positions

Contract Instructor September-December 2023
Mount Saint Vincent University
Halifax, NS, Canada

Contract Instructor January-May 2023
Dalhousie University
Halifax, NS, Canada

Lecturer, School of Psychology 2018 - 2021
Queen's University Belfast
Belfast, Northern Ireland

Instructor 2017-2018
Dalhousie University
Halifax, NS, Canada

Contract Instructor 2017
Acadia University
Wolfville, NS, Canada

Education

Doctorate in Experimental Psychology 2017
Dissertation: A methodological exploration of Diabetic Alert Dogs in Vitro
Dalhousie University
Halifax, NS

Master of Arts in Brain, Behaviour, and Cognitive Science 2012
Thesis: Picture processing in Sumatran Orangutans (*Pongo abelii*)
York University
Toronto, ON

Bachelor of Science, Honours in Psychology, Minor in Biology 2009
Thesis: Paternity and provisioning in European Starlings (*Sturnus vulgaris*)
Saint Mary's University
Halifax, NS

Teaching Awards

Professor of the Year (awarded by Dalhousie's Undergraduate Psychology and Neuroscience Societies)	2018
Excellence Award in Teaching (awarded by the Medical Sciences Society of Dalhousie University)	2018

Teaching

Instructor at Mount Saint Vincent University (2023)

PSYC3302: Psychology of Learning and Behaviour

Lecturer at Queen's University Belfast (2018-2021)

PSY1008: Foundations in Psychology
PSY1009: Introduction to Methods in Psychology
PSY1010/7092: Using Psychology in Everyday Life
PSY2066/7090: Core Psychology
PSY3123: Animal Behaviour and Evolution

Instructor at Dalhousie University (2015-2018)

PSYO1021: Introduction to Psychology and Neuroscience
PSYO2000/NESC2007: Methods in Experimental Psychology / Neuroscience Principles and Methods
PSYO/NESC2160: Animal Behaviour
PSYO/NESC3162: Advanced Animal Behaviour
PSYO/NESC 3264: The Science of Sleep (2023)

Instructor at Acadia University (2017)

PSYC4416: Special Topics in Neuroscience (Affective Neuroscience)

Supervision

PhD Students (Animal Welfare and Behaviour, QUB)

Clara Wilson Canine detection of human stress	2019 - 2022
Alan Rankin Reactivity in pet dogs; operational definition and etiology	2020 - present

MSc Students (Animal Welfare and Behaviour, QUB)

Olivia Rockaway Accuracy of trained Diabetic Alert Dogs during the day, at night, and in different locations	2019-2020
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Kerry Campbell The effect of repeated testing on a cognitive bias paradigm in domestic dogs	2020-2021
Sarah Wilson Bumps and pups: Examining changes in dogs' behaviour towards pregnant people	2020-2021

Undergraduate Honours Students

An undergraduate research thesis is a required part of the Psychology program at Queen's University Belfast. I have therefore supervised 18 undergraduate thesis projects between 2018-present. My most notable student would be Sian Ogle who received the British Psychological Society Student of the Year Award, as well as the award for the top student in the Psychology program at Queen's University Belfast.

Grants and Awards

Society for Companion Animal Studies (£9285) Worldwide Companion Animal Adoption and Relinquishment During the COVID-19 Pandemic	2020
NSERC PGS-D (\$63,000 over 3 years) Detection of Hypoglycemia in Type-1 Diabetics by Domestic Dogs	2012-2015
SPARCS Best Emerging Researcher Award (\$500)	2014

Peer-Reviewed Publications

- Wilson, S., Milne, O., & **Reeve, C.** (in preparation). Dog owners' perceptions of their dogs' behaviour during owners' pregnancy.
- Welsh, C.A., Graham-Wisener, L., **Reeve, C.**, Berry, E. Experiences of living with a companion cat: A qualitative exploration during a global pandemic. *Submitted to PLoS One.*
- Carroll, G.A., **Reeve, C.**, & Torjussen, A., (2024). Companion animal adoption and relinquishment during the COVID-19 pandemic: the experiences of animal rescue staff and volunteers. *Animal Welfare*, 33, 11, p. e12.
- Wilson, C., Campbell, K., Aviles-Rosa, E.O., Hall, N., & **Reeve, C.** (2023). The effect of repeated testing on judgement bias in domestic dogs (*Canis Familiaris*). *Animal Cognition*, 1-13.
- Carroll, G., Torjussen, A., & **Reeve, C.** (2023). Companion animal adoption and relinquishment during the COVID-19 pandemic: Households with children at greatest risk of relinquishing a cat or dog. *Animal Welfare*, 32, e56, 1-10.
- Carroll, G., Torjussen, A., & **Reeve, C.** (2022). Companion animal adoption and relinquishment during the COVID-19 pandemic (CAARP): Peri-pandemic pets at greatest risk of relinquishment. *Frontiers in Veterinary Science*, 1496.
- Reeve, C.**, & Jacques, S. (2022). Responses to spoken words by domestic dogs: A new instrument for use with dog owners. *Applied Animal Behaviour Science*, 246, 105513.

- Wilson, C., Campbell, K., Petzel, Z., & **Reeve, C.** (2022). Dogs can discriminate between human baseline and psychological stress condition odours. *PLoS One*, *17*(9), e0274143.
- Reeve, C.**, Wilson, C., Hannah, D., & Gadbois, S. (2021). Dog Owners' Survey reveals Medical Alert Dogs can alert to multiple conditions and multiple people. *PloS one*, *16*(4), e0249191.
- Shoesmith, E., Shahab, L., Kale, D., Mills, D. S., **Reeve, C.**, Toner, P., ... & Ratschen, E. (2021). The Influence of Human–Animal Interactions on Mental and Physical Health during the First COVID-19 Lockdown Phase in the UK: A Qualitative Exploration. *International Journal of Environmental Research and Public Health*, *18*(3), 976.
- Ratschen, E., Shoesmith, E., Shahab, L., Silva, K., Kale, D., Toner, P., **Reeve, C.** & Mills, D. S. (2020). Human-animal relationships and interactions during the Covid-19 lockdown phase in the UK: Investigating links with mental health and loneliness. *PloS one*, *15*(9), e0239397.
- Reeve, C.**, Cummings, E., McLaughlin, E., Smith, S., & Gadbois, S. (2020). An idiographic investigation of diabetic alert dogs' ability to learn from a small sample of breath samples from people with Type 1 diabetes. *Canadian journal of diabetes*, *44*(1), 37-43.
- Reeve, C.**, Wentzell, P., Wielens, B., Jones, C., Stehouwer, K., & Gadbois, S. (2018). Assessing individual performance and maintaining breath sample integrity in biomedical detection dogs. *Behavioural Processes*, *155*, 8-18.
- Koivusalo, M. & **Reeve, C.** (2018). Biomedical scent detection dogs: would they pass as a health technology?. *Pet Behaviour Science*, (6), 1-7.
- Gadbois, S. & **Reeve, C.** (2017). The semiotic canine: scent processing dogs as research assistants in biomedical and environmental research. *Dog Behaviour*, *3-2016*, 26-32. doi: 10.4454/db.v2i3.43
- Koivusalo, M., Vermeiren, C., Yuen, J., **Reeve, C.**, Gadbois, S., & Katz, K. (2017). Canine scent detection as a tool to distinguish methicillin-resistant *Staphylococcus aureus* (MRSA) from other *Staphylococci*. *Journal of Hospital Infection*, *96*, 93-96.
- Adamo, S., Easy, R.E., Kovalko, I., MacDonald, J., McKeen, A., Swanburg, T., Turnbull, K.F., & **Reeve, C.** (2017). Predator stress-induced immunosuppression: trade-off, immune redistribution or immune reconfiguration? *Journal of Experimental Biology*, *220*, 868-875.
- Gadbois, S., Sievert, O., **Reeve, C.**, Harrington, F.H., Fentress, J.C. (2015). Revisiting the concept of behavior patterns in animal behavior with an example from food-caching sequences in Wolves (*Canis lupus*), Coyotes (*Canis latrans*), and Red Foxes (*Vulpes vulpes*). *Behavioral Processes*, *110*, 3-14.
- Marsh, H., Adams, L., **Floyd (Reeve), C.**, & MacDonald, S.E. (2012). Feature versus spatial strategies by orangutans (*Pongo abelii*) and human children (*Homo sapiens*) in a cross-dimensional task. *Journal of Comparative Psychology*, *127*(2), 128-141.
- Fisher, M., Shaw, S., Worth, K., Smith, L., & **Reeve, C.** (2010). How we view those who derogate: perceptions of female competitor derogators. *Journal of Social, Evolutionary, and Cultural Psychology*, *4*(4), 265-276.
- Reeve, C.** (2010). Review of the book: Frozen evolution: Or that's not the way it is Mr. Darwin. Farewell to the selfish gene. *Human Ethology Bulletin*, *25*(4), 5-8.

Book Chapters

- Reeve, C.**, & Wilson, C. (2023). Detecting physiological changes in humans: Medical Alert and Assistance Dogs. In L. Lazarowski (Ed.). **Dog Olfaction**. Cham, Switzerland: Springer Nature.
- Gadbois, S., & **Reeve, C.** (2014). Canine olfaction: Scent, sign, and situation. In A. Horowitz (Ed.) **Domestic dog cognition and behaviour** (pp. 1-25). New York, NY: Springer.

Oral Presentations

- Reeve, C.**, Wilson, C., Hanna, D., & Gadbois, S. (2021, June). Medical alert dogs are alerting to multiple conditions and multiple people. Presented at the International Society for Anthrozoology, online.
- Wilson, C., Campbell, K., Arnott, G., Hall, N., & **Reeve, C.** (2021, April). The effect of repeated testing on judgement bias in domestic dogs (*Canis familiaris*). Presented at the Canine Science Forum, online.
- Wilson, C., Campbell, K., Arnott, G., Hall, N., & **Reeve, C.** (2021, April). The effect of repeated testing on judgement bias in domestic dogs (*Canis familiaris*). Presented at the 28th International Conference on Comparative Cognition, online.
- Reeve, C.**, Berry, E., & Geddis, J. (2020, April). The Perspectives and Attitudes of the General Public and Healthcare Providers Towards Medical Alert Dogs. Presented at the 2020 Working Dog Conference (Penn Vet), online.
- Reeve, C.** (2017, May). *Canine detection of disease*. Online seminar for E-Training Ethology and Canine Behaviour.
- Reeve, C.**, Gadbois, S., McLaughlin, E., & Cummings, B. (2016, April). *Can sniffer dogs discriminate hypoglycemic, normoglycemic, and hyperglycemic states in breath samples from individuals with Type 1 Diabetes?* Presented at the 2016 Department of Paediatrics Research Day, Halifax, NS.
- Reeve, C.** & Gadbois, S. (2015, November). *Hypoglycemia detection in vitro*. Presented at the 2015 meeting of BHV-Hundeschuen, Stuttgart, Germany.
- Reeve, C.** & Gadbois, S. (2014, June). *A novel method for training dogs to detect and discriminate between breath samples*. Presented at the 2014 meeting of the Society for Applied Research in Canine Science, Newport, Rhode Island.
- Reeve, C.**, Hoffman, E., Montgomery, F., DeNicola, M., & Gadbois, S. (2013, November). *Detection of brown spruce longhorn beetle (*Tetropium fuscum*) larvae by sniffer dogs*. Presented at the 38th annual meeting of the Société Québécoise pour l'Étude Biologique du Comportement, Montreal, QC.
- Reeve, C.**, & Gadbois, S. (2014, May). *Training dogs to detect low saliency stimuli*. Presented at the 40th annual Psychology and Neuroscience Graham Goddard In-House Conference, Dalhousie University, Halifax, NS.
- Reeve, C.**, MacDonald, M., Cummings, E., McLaughlin, E., & Gadbois, S. (2013, May). *Detection and discrimination of hypoglycemic states by dogs*. Presented at the 39th annual

Poster Presentations

Jacques, S., **Reeve, C.**, Presser, L., & Ochoa, K.A. (2023, June). Language and executive function in dogs: Testing for the universality of the relation. Poster presented at the 52nd annual meeting of the Jean Piaget Society, Madrid, Spain.

Reeve, C., Forrester, K., & Gadbois, S. (2019, July). Olfactory discrimination of putative anxiety and stress volatiles by domestic dogs. Poster presented at the 28th Annual International Society for Anthrozoology Conference, Orlando, FL.

Gadbois, S., Forrester, K., & **Reeve, C.** (2019, July). Olfactory discrimination of putative anxiety and stress volatiles by domestic dogs. Poster presented at Behaviour 2019 Conference (Joint conference of the International Ethological Conference and the Animal Behaviour Society), Chicago, IL.

Reeve, C., Cummings, E., Smith, S., McLaughlin, E., & Gadbois, S. (2017, November). *Can dogs detect hypoglycemic breath samples?* Poster presented at Diabetes Canada 20th Annual Professional Conference, Edmonton, AB.

Macdonald, M., Gadbois, S., McLaughlin, E., **Floyd (Reeve), C.**, Scott, K., Cummings, E. (2013, April). *Can sniffer dogs discriminate hypoglycemic and normoglycemic states in breath, saliva, and sweat samples from youth with type 1 diabetes mellitus?* Poster presented at the 2013 Department of Pediatrics Research Day, Halifax, NS.

Reeve, C., Marsh, H., & MacDonald, S. (2011, March). *Determining the picture processing mode in orangutans (*Pongo abelii*)*. Poster presented at the 18th annual international conference of the Comparative Cognition Society, Melbourne, FL.

Wiebe, L., **Reeve, C.**, and C. Barber. (2011). Paternity and offspring provisioning in the European starling, *Sturnus vulgaris*. Poster presented at the Society of Canadian Ornithologists, Moncton, New Brunswick

Reeve, C. & Barber, C. (2009, May). The relationship between paternity and provisioning in the socially monogamous European Starling, *Sturnus vulgaris*. Poster presented at the combined 2009 meeting of the Canadian Society for Ecology and Evolution and the Genetics Society of Canada, Halifax, Nova Scotia, Canada.

Reeve, C. & Barber, C. (2008, August). *Song as an indicator of male quality in breeding European starlings (*Sturnus vulgaris*)*. Poster presented at the 12th annual International Society of Behavioural Ecology conference, Ithaca, New York, U.S.

Shaw, S., Worth, K., Smith, L., **Reeve, C.**, & Fisher, M. (2010, March) *How we view those who derogate*. Poster presented at the 4th annual meeting of the North Eastern Evolutionary Psychology Society, New Paltz, NY.

Professional Development

Mastering Tele-Assessment: Conducting Psycho-Educational
Assessments in Online Environments training
In person training
Fredericton, NB

June 2-3, 2023

Understanding Trauma in Dogs
Webinar

April 2023

International Association of Animal Behaviour Consultants
Accredited Dog Trainer

December 2021

References

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Dalhousie University

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