

CURRICULUM VITAE – Michael J. L. Peers

Institutional Address:

Department of Biology
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HIGHLIGHTS

- Authored 47 published or submitted publications in peer-reviewed journals; 1 book chapter
- Publication in *Nature Climate Change*, as well as 5 cover articles including *Global Change Biology*, *Proceedings B*, and *J Animal Ecology*
- Received the 2024 Early Career Award from the Canadian Society for Ecology and Evolution and the 2025 Murie Family Conservation Award from the American Society of Mammalogists
- Received the Banting Postdoctoral Fellowship and the Weston Family Award for Northern research for my postdoctoral research
- Awarded NSERC CGS scholarships during my MSc and PhD
- Awarded the Governor General's Gold Medal for my MSc thesis at Trent University
- Supervised three MSc students, four undergrad student projects, and 26 research technicians
- Taught four undergraduate courses including *Principals of Ecology* and *Boreal Ecology*
- Have given 29 scientific presentations including 4 invited presentations and 5 invited seminars
- Associate Editor at *Functional Ecology*, and reviewed 47 articles for 30 peer-reviewed journals
- Member of the Species Status Advisory Committee of Newfoundland and Labrador
- Total funding received through scholarships and grants in excess of \$700,000
- Experience engaging with numerous media platforms for public outreach and science communication
- Experience working on international collaborative projects and engaging non-academic stakeholders and Indigenous communities in ecological research

PROFESSIONAL POSITIONS

2022-2024 Weston Postdoctoral Fellow, Yukon University
Supervisor: Fiona Schmiegelow & Thomas Jung

2020-2022 Banting Postdoctoral Fellow, Memorial University of Newfoundland
Supervisor: Eric Vander Wal

2018 Contracted Researcher, Government of Yukon

EDUCATION

2020 PhD Biological Sciences, University of Alberta
Supervisors: Stan Boutin & Rudy Boonstra
Thesis: Examining the impact of climate change on snowshoe hare demography and community interactions in the northern boreal forest

2014	M.Sc. Environmental and Life Sciences, Trent University Supervisors: Dennis Murray & Daniel Thornton Thesis: Reintroducing species in the 21st century: incorporating climate change into translocation and de-extinction programs
2012	Honours B.Sc. Biology, Trent University Supervisors: Dennis Murray & Daniel Thornton Thesis: The influence of competition on the large-scale distribution of mesocarnivores in North America

FUNDING (Total funding more than \$700,000)

AWARDS & SCHOLARSHIPS

2025	American Society of Mammalogists Murie Family Conservation Award
2024	The Canadian Society for Ecology and Evolution Early Career Award
2022-2024	Weston Family Award for Northern Research (\$100000)
2020-2022	Banting Postdoctoral Fellowship (\$140000) <i>The most prestigious postdoctoral fellowship awarded in Canada</i>
2020-2022	NSERC Postdoctoral Fellowship (\$90000 – declined)
2019	ASPB Robin Leech Graduate Scholarship in Biological Sciences, U of A, (\$1400)
2019	Student Travel Award, Alberta & Canadian Chapter of TWS (\$210)
2017-2019	Izaak Walton Killam Memorial Scholarship, U of A (Partially Honorary) <i>The most prestigious graduate award administered by the University of Alberta</i>
2017-2019	The W. Garfield Weston Award for Northern Research, ACUNS (\$50000)
2017	Jennifer Robinson Memorial Scholarship, Arctic Institute of North America (\$5000)
2015/2016	Ashley and Janet Cameron Graduate Scholarship, University of Alberta (\$3000 x 2)
2015	Governor General's Gold Medal, Trent University <i>Awarded to the graduate student who achieved the highest academic standing</i>
2015	President's Doctoral Prize of Distinction, University of Alberta (\$10000)
2015	Faculty of Science Recruitment Scholarship, University of Alberta (\$2000)
2015-2017	NSERC Alexander Graham Bell Scholarship CGS D (\$105000) <i>Major scholarship awarded through a national competition</i>
2014	Edwin William & Irene Elizabeth Curtin Scholarship, Trent University (\$3500)
2014	David & Joyce Woods Graduate Scholarship, Trent University (\$2000)
2013/14	NSERC Alexander Graham Bell Scholarship CGS M (\$17500) <i>Major scholarship awarded through a national competition</i>
2013/14	Ontario Graduate Scholarship (\$15,000 – declined)
2012/13	Queen Elizabeth II Scholarship for Science and Technology (\$15,000)
2012	Dean's List, Trent University
2010	Department of Biology Prize, Trent University (\$100)

GRANTS & RESEARCH FUNDING

2020	Banting Post-doctoral Research Grant, Memorial Uni. of NFLD (\$20000)
2019	Memorial Uni. of NFLD Seed, Bridge and Multidisciplinary Fund (\$10000)
2018	Bring Back the Wild Grant, Earth Rangers (\$10000)
2018	U of A Northern Research Award, UAlberta North (\$1090)
2018	Northern Research Grant, Northern Scientific Training Program (\$2230)

2017	W. Garfield Weston Fellowship Award, WCS Canada (\$7000)
2016	U of A Northern Research Award, UAlberta North (\$1334)
2016	Northern Research Grant, Northern Scientific Training Program (\$3186)
2016	W. Garfield Weston Fellowship Award, WCS Canada (\$16500)

PUBLICATIONS (H-INDEX = 19, i10-INDEX = 27; ¹ = Supervised student & researchers)

JOURNAL ARTICLES

In Review

47. Leach O, **Peers MJL**, Earle A, Majchrzak YN, Boonstra R, Boutin S, Murray DL, Jung TS, Gilbert BS, Kenney AJ, VanderWal E. Overwintering strategies drive climate change impacts on body mass in northern mammals. *Ecology Letters*.

46. Shiratsuru S, Studd E, **Peers MJL**, Majchrzak YN, Kenney A, Murray D, Romanski M, Belant J, Boone H, Boutin S, Pauli J. *Submitted*. A cross-site comparison reveals limited geographic variation in risk avoidance of snowshoe hares. *Ecology*.

45. Turner J, Haché S, Hodson J, McLoughlin P, Micheletti T, Peers MJL, Pelletier A, McIntire E. *Submitted*. Inferring wildlife population trends from hierarchical habitat selection: a case study with boreal caribou. *Ecological Applications*.

44. **Peers MJL**, Monk E¹, Hendrix JG, Kusch J, Majchrzak YN, Newediuk L, Boutin S, Boonstra R, Vander Wal E. *Submitted*. Female mass and cycle phase alter offspring size variation in a cyclic mammal. *The American Naturalist*.

42. Kennah JL¹, **Peers MJL**, Balluffi-Fry J, Richmond IC, Vander Wal E. *In Review*. Foraging decisions of snowshoe hares in response to experimentally induced coat-colour mismatch. *Oecologia*.

41. **Peers MJL**, Newediuk L, Boyle SP, Hendrix JG, Kennah JL¹, Majchrzak YN, Robitaille AL, Boutin S, Boonstra R, Krebs CJ, Vander Wal E. *In Review*. Seasonal timing and maternal condition influence the costs of reproduction in a cyclic species. *Proceedings B*.

40. Boudreau MR, Ellison N, Potts JR, **Peers MJL**, Majchrzak YN, Serieys L, Willmers C, Börger L, Street GM. *In Review*. Home Range Asymptotes: A look at the consequences of an opening temporal window in home range estimation. *Ecology*.

Published

40. Jung TS*, **Peers MJL***, Edwards PD, Schmiegelow FKA, Boonstra R. *In Press*. Under pressure: Assessing the influence of human hunting on stress and diet quality of a threatened boreal ungulate. *Global Ecology and Conservation*. *Senior authorship jointly shared

39. Jung TS, Smith AMC, Fogel ZC, Kukka PM, Milligan HE, Harms NJ, Henaff M, Florkiewicz RF, Willier CN, Harrower WL, Majchrzak YN, **Peers MJL**, Kresja DM, Stacy EM, Boonstra R. 2025. Golden years: estimated longevity of marten (*Martes americana*), wolverine (*Gulo gulo*), and lynx (*Lynx canadensis*). *Mammal Research* 70: 613–620.

38. Ballufi-Fry J, Majchrzak YN, **Peers MJL**, Studd EK, Menzies AK, Horne L, Monk E, Humeniuk N, Jung TS, Boonstra R, Murray DL, Boutin S. 2025. Why does home range size decrease with population density? *Ecology* 106: e70054.

37. Miller HS¹, **Peers MJL**, Jung TS. 2025. Weekend warriors: contrasting temporal patterns in the harvest of three species of boreal ungulates. *Wildlife Biology* 2025: e01369.

36. Miller HS¹, **Peers MJL**, Jung TS. 2024. Snow depth influences harvest of a boreal ungulate more than socio-economic factors: implications for food security in a changing climate. *Science of the Total Environment* 912: 169095.

35. Shiratsuru S, Studd EK, Majchrzak YN, **Peers MJL**, Menzies AK, Derbyshire R, Jung TS, Humphries MM, Krebs CJ, Murray DL, Boonstra R, Boutin S. 2023. When death comes: Linking predator-prey activity patterns to timing of mortality to understand predation risk. *Proceedings B* 290: 20230661. (*Cover Article*)

34. Oli MK, Kenney AJ, Boonstra R, Boutin S, Murray DL, **Peers MJL**, Gilbert BS, Jung TS, Chaudhary V, Hines JE, Krebs CJ. 2023. Does coat colour influence survival? A test in a cyclic population of snowshoe hares. *Proceeding B* 290: 20221421.

33. Jung TS, **Peers MJL**, Drummond R, Taylor S. 2023. Dinning with a glutton: interactions at a carcass between lynx (*Lynx canadensis*) and wolverine (*Gulo gulo*). *Ecosphere* 14: e4491.

32. Bouchard E, Sharma R, Hernández-Ortiz A, Jung TS, Harms NJ, Willier CN, Boonstra R, Majchrzak YN, **Peers MJL**, Gouin G-G, Al-Adhami B, Simon A, Leighton P, Jenkins EJ. 2023. Canada lynx (*Lynx canadensis*) as potential reservoirs and sentinels of *Toxoplasma gondii* in northern Canada. *Zoonotic Diseases* 3: 6-17.

31. Kennah JL¹, **Peers MJL**, Vander Wal E, Majchrzak YN, Menzies AK, Studd EK, Boonstra R, Humphries MM, Jung TS, Kenney AJ, Krebs CJ, Boutin S. 2023. Coat colour mismatch improves survival of a keystone boreal herbivore: energetic advantages exceed lost camouflage. *Ecology* 104: e3882.

30. Studd EK, **Peers MJL**, Menzies AK, Derbyshire R, Majchrzak YN, Seguin J, Dantzer B, Lane JE, Murray DL, McAdam AG, Humphries MM, Boutin S. 2022. Behavioural adjustments of predators and prey to wind speed in the boreal forest. *Oecologia* 200: 349-358.

29. Majchrzak YN, **Peers MJL**, Studd EK, Menzies AK, Walker PD, Shiratsuru S, McCaw LK, Boonstra R, Humphries M, Jung TS, Kenney AJ, Krebs CJ, Murray DL, Boutin S. 2022. Balancing food acquisition and predation drives demographic changes in snowshoe hare population cycles. *Ecology Letters* 25: 981-991.

28. Majchrzak YN, Menzies AK, **Peers MJL**, Studd EK, Doran-Myers D, Boonstra R, Boutin S. 2022. A method for marking individual animals in motion-triggered camera studies. *Mammalian Biology* 102: 841–845.

27. **Peers MJL**, Majchrzak YN, Studd EK, Menzies AK, Kukka PM, Konkolics SM, Boonstra R, Boutin S, Jung TS. 2021. Evaluation of gum-line recession for aging lynx (*Lynx canadensis*). *Wildlife Society Bulletin* 45: 706-710.

26. Shiratsuru S, Majchrzak YN, **Peers MJL**, Studd EK, Menzies AK, Derbyshire R, Humphries MM, Krebs CJ, Murray DL, Boutin S. 2021. Food availability and long-term predation risk interactively affect antipredator response. *Ecology* 102: e03456.

25. **Peers MJL**, Konkolics SM, Majchrzak YN, Menzies AK, Studd EK, Boonstra R, Boutin S, Lamb CT. 2021. Vertebrate scavenging dynamics differ between carnivore and herbivore carcasses in the northern boreal forest. *Ecosphere* 12: e03691.

24. **Peers MJL**, Reimer JR, Majchrzak YN, Menzies AK, Studd EK, Boonstra R, Kenney AJ, Krebs CJ, O'Donoghue M, Boutin S. 2021. Contribution of late-litter juveniles to the population dynamics of snowshoe hares. *Oecologia* 195: 949-957.

23. **Peers MJL**, Majchrzak YN, Menzies AK, Studd EK, Bastille-Rousseau G, Boonstra R, Humphries M, Jung TS, Kenney AJ, Krebs CJ, Murray DL, Boutin S. 2020. Climate change increases predation risk for a keystone species of the boreal forest. *Nature Climate Change* 10: 1149-1153.

22. Neilson EW, Lamb CT, Konkolics SM, **Peers MJL**, Majchrzak YN, Doran-Myers D, Garland L, Martinig AR, Boutin S. 2020. There's a storm a-coming: Ecological resilience and resistance to extreme weather events. *Ecology & Evolution* 10: 12147-12156.

21. Menzies AK, Studd EK, Majchrzak YN, **Peers MJL**, Boutin S, Dantzer BJ, Lane JE, McAdam AG, Humphries MM. 2020. Body temperature, heart rate, and activity patterns of two boreal homeotherms in winter: homeostasis, allostasis, and ecological coexistence. *Functional Ecology* 34: 2292-2301.

20. **Peers MJL**, Konkolics SM, Lamb CT, Majchrzak YN, Menzies AK, Studd EK, Boonstra R, Kenney AJ, Krebs CJ, Martinig AR, McCulloch B, Silva J, Garland L, Boutin S. 2020. Prey availability and ambient temperature influence carrion persistence in the boreal forest. *Journal of Animal Ecology* 89: 2156-2167. (*Cover Article*)

19. Jung TS, Kukka PM, **Peers MJL**, Schmiegelow FKA, Boonstra R, Boutin S, Majchrzak YN. 2020. Error rates in the reported sex of lynx (*Lynx canadensis*) and wolverine (*Gulo gulo*): implications for analyses of harvest records. *European Journal of Wildlife Research* 66: 52.

18. Lavergne SG*, **Peers MJL***, Mastromonaco G, Majchrzak YN, Nair A, Boutin S, Boonstra R. 2020. Hair cortisol as a reliable indicator of stress physiology in the snowshoe hare: influence of body region, sex, season, and predator-prey population dynamics. *General and Comparative Endocrinology* 294: 113471. (*Cover Article*) *Senior authorship jointly shared

17. Ferreira C, Hossie TJ, Jenkins D, Wehtje M, Austin C, Boudreau M, Chan K, Clement A, Hrynyk M, Longhi J, MacFarlane S, Majchrzak YN, Otis JA, **Peers MJL**, Rae J, Seguin J, Walker S, Watt C, Munday A, Murray DL. 2019. The Recovery illusion: what is delaying the rescue of imperiled species? *Bioscience* 69: 1028-1034.

16. Studd EK, Boudreau M, Majchrzak YN, Menzies AK, **Peers MJL**, Seguin J, Lavergne S, Boonstra R, Murray D, Boutin S, Humphries M. 2019. Use of acceleration and acoustics to classify behaviour and evaluate responses to moonlight in free-ranging snowshoe hares. *Frontiers in Ecology and Evolution* 7: a154.

15. Jung TS, Konkolics SM, Kukka PM, Majchrzak YN, Menzies AK, Oakley MP, **Peers MJL**, Studd EK. 2019. Short-term effect of helicopter-based capture on movements of a social ungulate. *Journal of Wildlife Management* 83: 830-837. *All authors contributed equally

14. **Peers MJL**, Majchrzak YN, Konkolics SM, Boonstra R, Boutin S. 2018. Scavenging by snowshoe hares (*Lepus americanus*) in Yukon, Canada. *Northwestern Naturalist* 99: 232-235.

13. **Peers MJL**, Majchrzak YN, Neilson E, Lamb CT, Hämäläinen A, Haines JA, Garland L, Doran-Myers D, Broadley K, Boonstra R, Boutin S. 2018. Quantifying fear effects on prey demography in nature. *Ecology* 99: 1716-1723.

12. Bastille-Rousseau G, Schaefer JA, Lewis KP, **Peers MJL**, Ellington EH, Mumma MA, Rayl ND, Mahoney SP, Murray DL. 2018. Climate change can alter predator-prey dynamics and population viability of prey. *Oecologia* 186: 141-150.

11. **Peers MJL**. 2017. InfoNorth Essay: Predicting the fitness effects of climate change on snowshoe hares. *Arctic* 70: 430-434. (Invited; Cover Article)

10. **Peers MJL** & Boutin S. 2017. Northern hawk owl (*Surnia ulula*) scavenges and defends a lynx (*Lynx canadensis*) carcass in winter. *The Wilson Journal of Ornithology* 129: 875-878.

9. Murray DL*, **Peers MJL***, Majchrzak YN, Wehtje M, Ferreira C, Pickles RSA, Row JR, Thornton DH. 2017. Continental divide: Predicting climate-mediated fragmentation and biodiversity loss in the boreal forest. *PLoS ONE* 12: e0176706. * Senior authorship jointly shared

8. Feldman RE, **Peers MJL**, Pickles RSA, Thornton DH, Murray DL. 2017. Climate driven range divergence among host species affects range-wide patterns of parasitism. *Global Ecology & Conservation* 9: 1-10.

7. **Peers MJL**, Thornton DH, Majchrzak YN, Bastille-Rousseau G, Murray DL. 2016. De-extinction potential under climate change: extensive mismatch between historic and future habitat suitability for three candidate birds. *Biological Conservation* 197: 164-170.

6. Bastille-Rousseau G, Rayl ND, Ellington EH, Schaefer JA, **Peers MJL**, Mumma MA, Mahoney SP, Murray DL. 2016. Population and individual variation in niche overlap, encounter, and mortality among incidental predators and a common prey. *Canadian Journal of Zoology* 94: 191-198.

5. Ferreira C, Bastille-Rousseau G, Bennett AM, Ellington EH, Terwissen CV, Austin C, Borlesteian A, Boudreau MR, Chan K, Forsythe A, Hossie T, Longhi J, Otis JA, **Peers MJL**, Rae JM, Seguin J, Watt C, Wehtje M, Murray DL. 2016. The evolution of peer review as a basis for publication in ecology: directional selection towards a robust discipline? *Biological Reviews* 91: 597-610.
4. Murray DL, Majchrzak YN, **Peers MJL**, Wehtje M, Ferreira C, Pickles RSA, Row JR, Thornton DH. 2015. Potential pitfalls of private initiatives in conservation planning: a case study from Canada's boreal forest. *Biological Conservation* 192: 174-180.
3. **Peers MJL**, Wehtje M, Thornton DH, Murray DL. 2014. Prey switching as a means of enhancing persistence in predators at the trailing southern edge. *Global Change Biology* 20: 1126-1135. (*Cover Article*)
2. **Peers MJL**, Thornton DH, Murray DL. 2013. Evidence for large-scale effects of competition: niche displacement in Canada lynx and bobcat. *Proceedings of the Royal Society B* 280: 20132495. (*Cover Article*)
1. **Peers MJL**, Thornton DH, Murray DL. 2012. Reconsidering the specialist-generalist paradigm in niche breadth dynamics: resource gradient selection by Canada lynx and bobcat. *PLoS ONE* 7(12): e51488.

BOOK CHAPTERS

Thornton DH & **Peers MJL**. 2020. Species Distribution Modeling. In: Murray DL and Sandercock BK, editors. *Population Ecology in Practice*. Wiley-Blackwell.

OTHER PUBLICATIONS

Peers MJL. 2024. Key Concepts in Ecology: Predation & Herbivory. BES cross-journal blog series.

Peers MJL, Majchrzak YN, Monk EM, Vander Wal E. 2024. The Butter Pot Provincial Park snowshoe hare monitoring program annual report. (Updated annually)

Peers MJL & Majchrzak YN. 2020. Is climate change impacting snowshoe hare cycles? Alberta Trapper Magazine.

PRESENTATIONS (29 total; 4 invited presentations; 5 invited seminars; co-authored presentations not listed)

1. **Peers MJL**. 2025. Crafting your scientific screenplay: Incorporating elements of screenwriting into our scientific papers. Department of Geography Seminar, Memorial Uni of NL (Invited)
2. **Peers MJL**. 2024. Unifying mechanisms for species responses to climate change. Oral presentation at the Canadian Society for Ecology and Evolution Annual Meeting (CSEE), Vancouver, BC, Can. (Invited; Early Career Award)
3. **Peers MJL**. 2023. Coat-color mismatch improves survival of a keystone boreal herbivore: energetic advantages exceed lost camouflage. Oral presentation at the International Mammalogical Congress (IMC13), Anchorage, Alaska, USA. (Invited Symposium)
4. **Peers MJL**. 2022. Abiotic and biotic drivers of vertebrate scavenging communities. Oral presentation at the Scientific Endeavors in Academia Conference, MUN.

- *Awarded best overall presentation (poster or talk)*

5. **Peers MJL.** 2021. Impacts of climate change on snowshoe hares and the boreal forest community. BGSA Seminar, Memorial University of Newfoundland. (Invited)
6. **Peers MJL.** 2021. Is climate change impacting snowshoe hare cycles? Oral presentation at the Canadian Society for Ecology and Evolution Annual Meeting (CSEE), Virtual.
7. **Peers MJL.** 2021. Climate change increases predation risk for a keystone species. Poster presentation at the Commonwealth Science Conference, The Royal Society. (Invited)
8. **Peers MJL.** 2020. Is climate change impacting snowshoe hare cycles? Oral presentation for the Science Community of Practice (SCOPe), Yukon Government. (Invited)
9. **Peers MJL.** 2020. Fear experiments in nature: surely context matters. Oral presentation at the Gordon Research Conference: Predator-Prey Interactions, Ventura, California, USA. (Invited)
10. **Peers MJL.** 2019. Impact of climate change on snowshoe hare demography and community interactions in the northern boreal forest. Departmental presentation, Biological Sciences, University of Alberta.
11. **Peers MJL.** 2019. Ecology of snowshoe hares in the northern boreal forest. Oral presentation at the Hare-Lynx Workshop, Edmonton, Alberta.
12. **Peers MJL**, Majchrzak YN, Menzies AK, Studd EK, Boonstra R, Boutin S. 2019. The effect of environmental change on predator-prey dynamics. Oral presentation at the Alberta Chapter and Canadian Section of the Wildlife Society Conference, Canmore, Alberta.
13. **Peers MJL**, Konkolics SM, Majchrzak YN, Menzies AK, Studd EK, Lamb C, Garland L, Martinig AR, McCulloch B, Silva J, Boutin S. 2019. Scavenging dynamics of the northern boreal forest. Oral presentation at the Northern Research Day Student Conference, Edmonton, Alberta.
14. **Peers MJL**, Konkolics SM, Majchrzak YN, Menzies AK, Studd EK, Lamb C, Garland L, Martinig AR, McCulloch B, Silva J, Boutin S. 2019. The influence of abiotic and biotic factors on vertebrate scavenging communities. Oral presentation at the R. E. Peter Biology Conference, Edmonton, Alberta.
15. **Peers MJL.** 2019. Importance of late litters on the demography of snowshoe hare. Oral presentation at the University of Alberta, Wednesday Night Seminar Series, Edmonton, Alberta.
16. **Peers MJL.** 2018. Climate-mediated variability in predator prey dynamics. Oral presentation at the University of Alberta, Wednesday Night Seminar Series, Edmonton, Alberta.
17. **Peers MJL**, Majchrzak YN, Menzies AK, Studd EK, Krebs CJ, Boonstra R, Boutin S. 2018. Impact of climate change on predation risk in snowshoe hares. Oral presentation at the Association of Canadian Universities for Northern Studies Student Conference, Edmonton, Alberta.
18. **Peers MJL.** 2018. Impacts of climate change on snowshoe hares. Oral presentation at the Hare-Lynx Workshop, Edmonton, Alberta.
19. **Peers MJL.** 2018. Quantifying fear effects of prey demography in nature. Trent University Seminar, Peterborough, Ontario. (Invited)
20. **Peers MJL**, Majchrzak YN, Menzies AK, Studd EK, Boutin S. 2018. Calculating encounter rates between snowshoe hare and Canada lynx. Oral presentation at the Canadian Society for Ecology and Evolution Annual Meeting (CSEE), Guelph, Ontario. (Invited)
21. **Peers MJL.** 2018. How often does a snowshoe hare encounter a lynx? Oral presentation at the University of Alberta, Wednesday Night Seminar Series, Edmonton, Alberta.
22. **Peers MJL**, Boutin S. 2018. Quantifying fear effects on prey demography in nature. Oral presentation at the R. E. Peter Biology Conference, Edmonton, Alberta.
23. **Peers MJL.** 2017. Influence of climate on cause specific mortality in snowshoe hares. Oral presentation at the Hare-Lynx Workshop, Peterborough, Ontario.

24. **Peers MJL**, Majchrzak YN, Krebs CJ, Boonstra R, Studd EK, Menzies AK, Murray DL, Boutin S. 2017. Climate-mediated variability in predator-prey dynamics: Impacts of climate change on snowshoe hares. Oral presentation at the International Mammalogical Congress (IMC¹²), Perth, Australia.
25. **Peers MJL**, Thornton DH, Pearce E, Murray DL. 2014. Are southern range translocations likely to be viable under climate change? Oral presentation at Genomes to Biomes (CSEE) joint conference, Montreal, Quebec.
26. **Peers MJL**, Wehtje M, Thornton DH, Murray DL. 2014. Effects of climate change on Canada lynx at their southern edge. Oral presentation at the Ontario Ecology, Ethology, and Evolution Colloquium (OE3C), Guelph University.
27. **Peers MJL**, Thornton DH, Murray DL. 2013. Evidence for large-scale effects of competition. Oral presentation at the Quebec Society for the Biological Study of Behaviour Annual Meeting, Concordia University.
28. **Peers MJL**, Thornton DH, Murray DL. 2012. The influence of biotic interactions on the large-scale distribution of species. Poster presentation at the Trent Northern Studies Colloquium, Trent University.
29. **Peers MJL**, Thornton DH, Murray DL. 2012. The influence of biotic interactions on the large-scale distribution of Canada lynx and bobcat. Oral presentation at Ontario Biology Day, Laurentian University.

TEACHING EXPERIENCE

SESSIONAL LECTURER

Winter 2025	Cons Bio II: Conservation in Practice, 4 th Year, Memorial University of NL
Fall 2024	Principles of Ecology, 2 nd Year, Memorial University of Newfoundland
Summer 2024	Field Course in Terrestrial Biology. 4 th Year, Memorial University of NL
Winter 2022	Boreal Ecology, 3 rd Year, Memorial University of Newfoundland

GUEST LECTURES

2023	Wildlife Conservation and Management, 4 th Year, University of Guelph
2023	Mammalogy, 3 rd Year, Memorial University of Newfoundland
2021	Boreal Ecology, 3 rd Year, Memorial University of Newfoundland
2020	Northern Ecology, 3 rd Year, University of Alberta
2020	The Mountain World, 2 nd Year, University of Alberta
2019	Habitat Selection and Movement Models, Graduate, University of Alberta
2019	Comparative Environmental Animal Physiology, 3 rd Year, University of Alberta
2019	The Mountain World, 2 nd Year, University of Alberta
2019	Population Ecology, 3 rd Year, University of Alberta
2016	Predation Risk: Theory and Application, Graduate, University of Alberta
2014	Behavioural Ecology, 3 rd Year, Trent University
2013	Applied Spatial Data Analysis, Graduate, Trent University

TEACHING ASSISTANT

2019	Comparative Environmental Animal Physiology, 3 rd Year, University of Alberta
2014	Behavioural Ecology, 3 rd Year, Trent University
2013	Introductory Ecology, 2 nd Year, Trent University
2013	Current Issues in Biology II, 1 st Year, Trent University

2012 Behavioural Ecology, 3rd Year, Trent University

WORKSHOPS

2020 R Workshop for Survival Analyses in Wildlife Research, Memorial University of NL
2014 R Workshop for MaxEnt Modelling, Trent University

MENTORING EXPERIENCE

GRADUATE SUPERVISION

2024-Current Olivia Leach (MSc), Memorial University of Newfoundland
Project: Behavioural response of snowshoe hares to predation risk
Co-supervised with Dr. Eric Vander Wal

2022-2025 Emily Monk (MSc), Memorial University of Newfoundland
Project: Coat-color mismatch in snowshoe hares (*Lepus americanus*)
Co-supervised with Dr. Eric Vander Wal

2019-2022 Joanie Lynn Kennah (MSc: NSERC CGSM, Weston Fellow), Memorial U of NL.
Project: Climate change impacts on snowshoe hares (*Lepus americanus*)
Co-supervised with Dr. Eric Vander Wal

RESEARCH BIOLOGIST SUPERVISION

2022-2024 Hannah Miller, Government of Yukon
Project: Ecology and management of wood bison
Co-supervised with Thomas Jung

UNDERGRADUATE SUPERVISION

2024 Abby Turner, Memorial University of Newfoundland
Project: Reproductive trade-offs in snowshoe hares

2024 Abigail Earle, Memorial University of Newfoundland
Project: Impact of climate change on mammalian body size

2018 Isaac Peetom Heida, University of Alberta
Project: Within and between year reproductive trade-offs in snowshoe hare

2013 Elizabeth Pearce, Trent University
Project: Examining climate change impacts on reintroductions of North American mammals

FIELD & LAB ASSISTANTS

2021	Ethan Bishop	2017	Justine Benjamin
2021	Emily Denief	2017	Kate Bezooyen
2021	Amanda Stewart	2017	Lindsay Potts
2020	Olivia Cumbie	2016-17	Laura Brazier
2020	Jacob Mooers	2016	Jess Steketee
2019	Sean Konkolics	2016	Camille Roberge

2018	Shotaro Shiratsuru	2016	Adam Sprott
2018	Noah Israel	2016	Dylan Yaffy
2017-18	Heather Sterling	2015	Erik Vimercati
2017-18	Rachael Ryan	2015	Eliot Linton
2017	Edouard Belanger	2015	Samantha Stead
2017	Juliana Balluffi-Fry	2015	Marina Morandini
2017	Nolan Benoit	2015	Laurence Carter

SERVICE & VOLUNTEERING

ASSOCIATE EDITOR

Functional Ecology

REVIEWER [47 total]

Science (2), Ecology Letters (2), Proceedings of the Royal Society B, Global Change Biology (2), Ecological Monographs, Journal of Animal Ecology (3), Ecology (2), Global Ecology and Biogeography, Molecular Ecology (2), Journal of Mammalogy (3), Biology Letters, Scientific Reports (2), Climatic Change, Ecological Applications (2), Basic and Applied Ecology, Ecology and Evolution, Ecological Indicators (2), PLoS ONE, Ecoscience, Ethology Ecology & Evolution, European Journal of Wildlife Research, Mammalian Biology (2), Arctic, Canadian Journal of Zoology (2), Global Ecology and Conservation, Frontiers in Veterinary Science, FACETS (2), Canadian Field-Naturalist (3), Journal of Raptor Research, Zoology in the Middle East

GRANT REVIEWER

2024-25	Weston Family Awards in Northern Research – Extended Stay Program
2024-26	NSERC Discovery Grant (3)
2022	Alberta Conservation Association Research Grant

VOLUNTEER & PUBLIC OUTREACH

2022-24	Organizer, Ecology and Evolution Discussion Series, Memorial University of NL
2024	Judge, Biology Graduate Student Symposium, Memorial University of NL
2024	Judge, Sci. Endeavours in Academia conference, Memorial University of NL
2023	Hands-on workshop and presentation for the Kids Ski Club, St. John's, NL
2022	Moderator, Sci. Endeavours in Academia conference, Memorial University of NL
2022	Judge, Sci. Endeavours in Academia poster session, Memorial University of NL
2020	Judge, Faculty of Science 3MT Competition, Memorial University of NL
2019	Abstract Selection Committee, The Wildlife Society Conference, Reno, Nevada
2019	Organizer, Wednesday Night Ecology Seminar Series, University of Alberta
2017-2019	Organizer, Philosophy Pints Discussion Group, University of Alberta
2018	Nature walk leader for the Nature Alberta Kids Program
2017	Hands-on workshop and presentation for the Girl Guides of Canada, Haines Junction, Yukon
2016	Hands-on workshop and presentation for elementary school students from Haines Junction, Yukon
2015	Hands-on workshop and presentation at our research camp for high school students from Haines Junction, Yukon
2015	Presentation at the St Elias Centre, Haines Junction, Yukon

2012-14	Abstract Selection Committee, Symons Seminar Series, Trent University, Ontario
2012-13	Volunteer, Kawartha Turtle Trauma Center, Peterborough, Ontario
2012-13	Guest instructor at over 25 elementary and secondary classrooms in the Kawartha Pine Ridge District School Board, Ontario

SCIENCE COMMUNICATION & MEDIA COVERAGE

MUSEUM EXHIBITIONS

2019	Scientist and photo contributor, Nature Exchange, TELUS World of Science
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RADIO & TV APPEARANCES

2025	Climate change ecologist, CBC Radio's Newfoundland Morning
2025	Climate change ecologist, CBC Radio's St. John's Morning Show
2024	Ecologist, Here and Now, CBC NL
2023	Climate change ecologist, CBC Radio's Weekend AM
2022	Ecologist, Habitats: Hiking through the boreal forest, Here and Now, CBC (https://www.cbc.ca/news/canada/newfoundland-labrador/habitats-boreal-forest-1.6419993)
2021	Snowshoe hare ecologist, The Hunter Conservationist Podcast (https://thehunterconservationist.com/podcast/episode-39-snowshoe-hares-with-dr-yasmine-majchrzak-and-dr-michael-peers/)
2020	Climate change ecologist, Trail's End, CBC North
2020	Climate change ecologist, Radio Active with Adrienne Pan, CBC
2020	Research highlighted in Legends of the Wild, Discovery Channel
2020	Snowshoe hare researcher, ICI Explora, Radio-Canada
2020	Snowshoe hare researcher, Yukon Morning, CBC, Canada
2019	Snowshoe hare researcher, Cannibal Hares, This Week in Science, CityNews
2019	Snowshoe hare researcher, Radio Active with Adrienne Pan, CBC, Canada
2019	Snowshoe hare researcher, Calgary Eyeopener, CBC, Canada
2019	Snowshoe hare researcher, Calgary News at 6, CBC
2019	Snowshoe hare researcher, NorthBeat, CBC
2018	Snowshoe hare researcher, The Earth Rangers Podcast, Canada
2018	Snowshoe hare researcher, Remarkable Rabbits, CBC, Canada (https://gem.cbc.ca/media/the-nature-of-things/season-58/episode-18/38e815a-010ae832754)
2016	Snowshoe hare researcher, The Nature of Things, CBC, Canada (http://www.cbc.ca/natureofthings/episodes/what-trees-talk-about)
2016	Snowshoe hare/Canada lynx researcher, Wild Canadian Year, CBC, Canada (http://www.cbc.ca/wildcanadianyear/episodes/series-preview/winter)
2015	Snowshoe hare researcher on La Semaine Verte, Radio Canada (http://ici.radio-canada.ca/tele/la-semaine-verte/2015-2016/segments/reportage/4244/changements-climatiques-perdrix-lievre-toundra-yukon)
2013	Effects of climate change on mammals, Newswatch, Chex TV
2013	Research in the lab, Newswatch, Chex TV (http://www.youtube.com/watch?feature=player_embedded&v=tdlkF4T4Oo)
2012	Guest animal expert on Steven and Chris, CBC, Canada (http://www.youtube.com/watch?v=hw_ZT_u216g)
2012	Guest animal handler on Canada AM, CTV, Canada
2012	Animal handler on Wild Kratts, PBS, USA
2011	Guest animal handler on Daytime, Rogers TV, Canada
2011	Guest animal handler on Critter Corner, TVO, Canada

PRINT MEDIA INTERVIEWS

2022 The seasons may be shifting, but early spring isn't always a good thing, CBC, Canada (<https://www.cbc.ca/news/canada/newfoundland-labrador/early-spring-pollinators-1.6395843>)

2022 Into the wintry kingdom of the Canada lynx, Canadian Geographic (<https://www.canadiangeographic.ca/article/wintry-kingdom-canada-lynx>)

2020 Climate change ecologist, Less winter snow could spell disaster for snowshoe hares, St. Albert Gazette

2020 Wild Cam: Types of scavengers vary based on live prey abundance, The Wildlife Society (<https://wildlife.org/wild-cam-types-of-scavengers-vary-based-on-live-prey-abundance/>)

2019 Snowshoe hare researcher, Don't be fooled - Science shows that hares are blood-thirsty fluff balls, IFLScience (<https://www.iflscience.com/plants-and-animals/dont-be-fooled-science-shows-that-hares-are-bloodthirsty-fluff-balls/>)

2019 The carnivorous cannibal hares of North America, Ripley's Believe It or Not (<https://www.ripleys.com/weird-news/snowshoe-hares/>)

2019 Snowshoe hare researcher, Don't be deceived: these fluffy bunnies enjoy devouring meat, The Weather Network (<https://www.theweathernetwork.com/news/articles/snowshoe-hares-eat-meat-herbivores-bunny-research-university-of-alberta/122125>)

2019 Snowshoe hare researcher, The Gateway, Edmonton, Canada

2019 Snowshoe hare researcher, Hares are cannibals and eat meat, surprising photos reveal, National Geographic (<https://www.nationalgeographic.com/animals/2019/01/snowshoe-hares-carnivores-cannibals-photos-yukon/>)

2019 Snowshoe hare researcher, Weird Science: killer rabbits and bird brawls, St. Albert Gazette (<https://www.stalbertgazette.com/article/weird-science-killer-rabbits-and-bird-brawls-20190111>)

2019 Snowshoe hare researcher, Adorable snowshoe hares found to routinely feast on their own dead: study, National Post (<https://nationalpost.com/news/canada/adorable-snowshoe-hares-found-to-routinely-feast-on-their-own-dead-study>)

2019 Snowshoe hare researcher, Hares seeking protein scavenge for meat and feathers, Edmonton Journal (<https://edmontonjournal.com/news/local-news/hares-seeking-protein-scavenge-for-meat-feathers-university-of-alberta-study>)

2019 Snowshoe hare researcher, Cameras capture unsettling uptick in Canada's meat-eating "cannibal hares", Inverse Magazine (<https://www.inverse.com/article/52305-snowshoe-hare-meat-eating-study>)

2019 Snowshoe hare researcher, Snowshoe hares eat meat — including other hares, CBC, Canada (<https://www.cbc.ca/news/canada/north/hares-eat-meat-1.4949438>)

2017 Conservation biologist, The Great Global Species Shakeup, Toronto Star, Canada (<http://projects.thestar.com/climate-change-global-species-shakeup/index.html>)

2017 Snowshoe hare researcher, Fur and Fitbit, UpHere Magazine, Canada (<https://uphere.ca/articles/fur-and-fitbit>)

2016 Conservation biologist, What would happen if we brought birds back from the dead, Audubon Magazine, USA (<https://www.audubon.org/news/what-would-happen-if-we-brought-birds-back-dead>)

2014 Student spotlight in Arthur Newspaper, Ontario (<http://trentarthur.ca/trent-student-spotlight-michael-peers-ecological-researcher/>)

FILMMAKING

Current Invasivore (Feature Doc; In development), Researcher, Co-Director
- funded for Production through Telefilm's Theatrical Documentary Program

2025 Technophobic (Short film), Writer/Director
- Best Atlantic Short Film (FogFest)
- Funded by the City of St. John's & Picture NL

2023 A Fish Story (Short film), Writer/Director
- Premiered at Silver Wave Film Festival (nominated for Best Atlantic Short, Audience choice shortlist)
- Screened at the Oscar Qualifying Edmonton International Film Festival

REFERENCES

Dr. Stan Boutin

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Dr. Allyson Menzies

Assistant Professor, University of Calgary (Mar 2024)

allysonmenzies@gmail.com