

# CURRICULUM VITAE – Michael J. L. Peers

## **Institutional Address:**

Department of Biology  
Memorial University of Newfoundland  
232 Elizabeth Ave.  
St. John's, NL, A1B 3X9

## **Citizenship:** Canadian

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## **HIGHLIGHTS**

- Authored 31 publications (13 senior) in peer-reviewed journals; 6 in review; 1 book chapter
- Recent publication in *Nature Climate Change*, as well as 5 cover articles including *Global Change Biology*, *Proceedings B* and *J Animal Ecology*
- 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
- Currently supervising two MSc students and supervised two undergraduate projects and 26 research technicians
- Currently a sessional lecturer for *Boreal Ecology*, and have developed guest lectures for 9 additional courses and have given 26 scientific presentations
- Reviewed 42 articles for 29 peer-reviewed journals
- 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-Current | Weston Postdoctoral Fellow, Yukon University<br>Supervisor: Fiona Schmiegelow & Thomas Jung     |
| 2020-2022    | Banting Postdoctoral Fellow, Memorial University of Newfoundland<br>Supervisor: Eric Vander Wal |
| Jan-Mar 2020 | Postdoctoral Researcher, University of Alberta<br>Supervisors: Stan Boutin & Rudy Boonstra      |
| 2018         | Contracted Researcher, Government of Yukon  |

## **EDUCATION**

|      |   |
|------|---|
| 2020 | PhD Biological Sciences, University of Alberta<br>Supervisors: Stan Boutin & Rudy Boonstra<br>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 in excess of \$700,000)

**AWARDS & SCHOLARSHIPS**

- 2022-2024 Weston Family Award for Northern Research (\$100,000)
- 2020-2022 Banting Postdoctoral Fellowship (\$140000)  
*The most prestigious postdoctoral fellowship awarded in Canada*
- 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)  
*The most prestigious graduate award administered by the University of Alberta*
- 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  
*Awarded to the graduate student who achieved the highest academic standing*
- 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)  
*Major scholarship awarded through a national competition*
- 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)  
*Major scholarship awarded through a national competition*
- 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 = 14, i10-INDEX = 18, CITATIONS = ~600)**

***JOURNAL ARTICLES***

***Published***

31. Studd EK, **Peers MJL**, Menzies AK, Derbyshire R, Majchrzak YN, Seguin J, Dantzer B, Lane JE, Murray DL, McAdam AG, Humphries MM, Boutin S. In Press. Behavioural adjustments of predators and prey to wind speed in the boreal forest. *Oecologia*.
30. Kennah JL, **Peers MJL**, Vander Wal E, Majchrzak YN, Menzies AK, Studd EK, Boonstra R, Humphries MM, Jung TS, Kenney AJ, Krebs CJ, Boutin S. *In Press*. Coat colour mismatch improves survival: energetic advantages exceed lost camouflage. *Ecology*.
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 simple method for marking individual animals in motion-triggered camera studies. *Mammalian Biology*.
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, Borlestean 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.

#### ***In Review***

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

Shiratsuru S, Studd EK, Majchrzak YN, **Peers MJL**, Menzies AK, Derbyshire R, Jung TS, Humphries MM, Krebs CJ, Murray DL, Boonstra R, Boutin S. *In Review*. When death comes: Prey activity is not always predictive of diel mortality patterns and the risk of predation. *Ecology Letters*.

**Peers MJL**, Newediuk L, Boyle SP, Hendrix JG, Kennah JL, 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. *Ecology*.

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

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. *Journal of Applied Ecology*.

Studd EK, Gellner G, **Peers MJL**, Menzies AK, Majchrzak YN, Derbyshire R, Boonstra R, Dantzer B, Kenney AJ, Krebs CJ, Lane JE, McAdam AG, Murray DL, Boutin S, McCann KS, Humphries MM. *In Review*. Seasonal activity patterns drive boreal ecosystem dynamics. *Ecology Letters*.

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

#### **PRESENTATIONS (CO-AUTHORED PRESENTATIONS NOT LISTED)**

1. **Peers MJL**. 2021. 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)*
2. **Peers MJL**. 2021. Impacts of climate change on snowshoe hares and the boreal forest community. BGSa Seminar, Memorial University of Newfoundland. (Invited)
3. **Peers MJL**. 2021. Is climate change impacting snowshoe hare cycles? Oral presentation at the Canadian Society for Ecology and Evolution Annual Meeting (CSEE).
4. **Peers MJL**. 2021. Climate change increases predation risk for a keystone species. Poster presentation at the Commonwealth Science Conference, The Royal Society. (Invited)
5. **Peers MJL**. 2020. Is climate change impacting snowshoe hare cycles? Oral presentation for the Science Community of Practice (SCOPE), Yukon Government. (Invited)
6. **Peers MJL**. 2020. Fear experiments in nature: surely context matters. Oral presentation at the Gordon Research Conference: Predator-Prey Interactions, Ventura, California, USA. (Invited)
7. **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.
8. **Peers MJL**. 2019. Ecology of snowshoe hares in the northern boreal forest. Oral presentation at the Hare-Lynx Workshop, Edmonton, Alberta.

9. **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.
10. **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.
11. **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.
12. **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.
13. **Peers MJL**. 2018. Climate-mediated variability in predator prey dynamics. Oral presentation at the University of Alberta, Wednesday Night Seminar Series, Edmonton, Alberta.
14. **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.
15. **Peers MJL**. 2018. Impacts of climate change on snowshoe hares. Oral presentation at the Hare-Lynx Workshop, Edmonton, Alberta.
16. **Peers MJL**. 2018. Quantifying fear effects of prey demography in nature. Trent University Seminar, Peterborough, Ontario. (Invited)
17. **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)
18. **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.
19. **Peers MJL**, Boutin S. 2018. Quantifying fear effects on prey demography in nature. Oral presentation at the R. E. Peter Biology Conference, Edmonton, Alberta.
20. **Peers MJL**. 2017. Influence of climate on cause specific mortality in snowshoe hares. Oral presentation at the Hare-Lynx Workshop, Peterborough, Ontario.
21. **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 (IMC<sup>12</sup>), Perth, Australia.
22. **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.
23. **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.
24. **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.
25. **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.

26. **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***

Fall 2022      Boreal Ecology, 3<sup>rd</sup> Year, Memorial University of Newfoundland

### ***GUEST LECTURES***

2021      Boreal Ecology, 3<sup>rd</sup> Year, Memorial University of Newfoundland  
2020      Northern Ecology, 3<sup>rd</sup> Year, University of Alberta  
2020      The Mountain World, 2<sup>nd</sup> Year, University of Alberta  
2019      Habitat Selection and Movement Models, Graduate, University of Alberta  
2019      Comparative Environmental Animal Physiology, 3<sup>rd</sup> Year, University of Alberta  
2019      The Mountain World, 2<sup>nd</sup> Year, University of Alberta  
2019      Population Ecology, 3<sup>rd</sup> Year, University of Alberta  
2016      Predation Risk: Theory and Application, Graduate, University of Alberta  
2014      Behavioural Ecology, 3<sup>rd</sup> Year, Trent University  
2013      Applied Spatial Data Analysis, Graduate, Trent University

### ***TEACHING ASSISTANT***

2019      Comparative Environmental Animal Physiology, 3<sup>rd</sup> Year, University of Alberta  
2014      Behavioural Ecology, 3<sup>rd</sup> Year, Trent University  
2013      Introductory Ecology, 2<sup>nd</sup> Year, Trent University  
2013      Current Issues in Biology II, 1<sup>st</sup> Year, Trent University  
2012      Behavioural Ecology, 3<sup>rd</sup> 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***

2022-Current      Emily Monk, Memorial University of Newfoundland  
Project: Plasticity in moulting rates in snowshoe hares (*Lepus americanus*)  
Co-supervised with Dr. Eric Vander Wal  
2019-Current      Joanie Lynn Kennah (NSERC CGSM, Weston Fellow), Memorial Uni of Newfound.  
Project: Climate change impacts on snowshoe hares (*Lepus americanus*)  
Co-supervised with Dr. Eric Vander Wal

### ***UNDERGRADUATE SUPERVISION***

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

**REVIEWER [42 total]**

Science, Ecology Letters (2), Proceedings of the Royal Society B, Global Change Biology (2), Ecological Monographs, Journal of Animal Ecology (3), Ecology, Global Ecology and Biogeography, Molecular Ecology (2), 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, Global Ecology and Conservation, FACETS (2), Canadian Field-Naturalist (3), Journal of Mammalogy (2), Journal of Raptor Research, Zoology in the Middle East

**VOLUNTEER & PUBLIC OUTREACH**

|           |  |
|-----------|--|
| 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

### ***RADIO & TV APPEARANCES***

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>)

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