

Jennifer L. Wall, PhD

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📍 Cornwall, NY

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Appointments

Postdoctoral research fellow

Black Rock Forest

Lamont-Doherty Earth Observatory, Columbia University

- Advisors: Dr. Scott LaPoint & Dr. Kevin Griffin

2025 - Current
Cornwall, NY, USA
Palisades, NY, USA

Education

Ph.D. Wildlife Biology

University of Montana

- Advisor: Dr. Jedediah Brodie
- Dissertation: "A Closer Look at Denali's Alpine Wildlife: Assessing the Influences of Climate and Vegetation Changes on Species in Alaska"

2019 - 2024
Missoula, MT, USA

B.S. Biological Sciences & B.S. Environmental Science & Policy

University of Maryland

- *Banneker / Key Scholar, Gemstone Honors student*
- Mentor: Dr. Joseph H. Sullivan
- Honor's Thesis: "Evaluating the Efficacy of Cattail Fiber for Oil Sorption"

2013 - 2017
College Park, MD, USA

Semester Abroad

James Cook University

2015
Townsville, Queensland, AU

Peer Reviewed Publications

7. Prosser, D.J., J.D. Sullivan, **J.L. Wall**, E.J. Buck, J.J. Taylor, C.R. Callahan, and P.C. McGowan. 2022. Poplar Island: Understanding the Development of a Beneficial Use Restoration Site. *Ecological Restoration*. 40:17-24. doi:10.3368/er.40.1.17
6. **Wall, J.L.** B. Loken, and J.F. Brodie. 2021. Reconciling resource extraction and species conservation in a multi-use landscape: Immediate and long-term impacts of logging on rainforest mammal diversity. *Global Ecology and Conservation*. 28. doi:10.1016/j.gecco.2021.e01642
5. **Wall, J.**, D. Brinker, S. Weindensaul, D. Okines, P. Côté, and J.F. Therrien. 2021. Twenty-five year population trends in Northern Saw-Whet Owl (*Aegolius acadicus*) in eastern North America. *The Wilson Journal of Ornithology*.
4. Riggs, G.J., J.D. Sullivan, K.M. Harvey, D.A. Pappas, **J.L. Wall**, P.C. McGowan, C.R. Callahan, C.A. Koppie, D.J. Prosser. 2019. Eviction Notice: Observation of a Common Tern (*Sterna hirundo*) Usurping an Active Least Tern (*Sterna antillarum*) Nest. *Northeastern Naturalist*. 26(3): 609-615.
3. McGowan, P.C., J.D. Sullivan, C.C. Callahan, W. Schultz, **J.L. Wall**, and D. Prosser. 2019. Promoting Change in Common Tern (*Sterna hirundo*) Nest Site Selection to Minimize Construction Related Disturbance. *Ecological Restoration*. 37(3):143- 147.
2. **Wall, J.L.**, P.M. Marban, D.F. Brinker, J.D. Sullivan, M. Zimnick, J.L. Murrow, P.C. McGowan, C.R. Callahan, D.J. Prosser. 2018. A Video Surveillance System to Monitor Breeding Colonies of Common Terns (*Sterna Hirundo*). *J. Vis Exp.* (137), e57928.

1. McGowan, P.C., K.M. Reintsma, J.D. Sullivan, K.P. Devoss, **J.L. Wall**, M.D. Zimnik, C.R. Callahan, B. Schultz, D.J. Prosser. 2018. Use of bank swallow (*Riparia riparia*) burrows as microclimates by common terns (*Sterna hirundo*) in high temperature environments. *Waterbirds*: 41(2), 179-182. doi:10.1675/063.041.0210

Book Chapters

1. L.B. Slobodkin and **Wall, J.L.** 2024. Limits to Biodiversity. In: Scheiner S.M, (eds.) *Encyclopedia of Biodiversity 3rd edition*, vol 5, pp. 152-160. Oxford: Elsevier.

Manuscripts in Preparation / Review

3. **Wall, J.L.** and J.F. Brodie. (*in review*) Can marmots and pika take the heat? Structural equation occupancy models shed light on species persistence. *Ecology*.
2. **Wall, J.L.** and J.F. Brodie. (*in review*) Patch quality affords behavioral flexibility in collared pika (*Ochotona collaris*), potentially increasing climate resiliency. *Authorea*. May 13, 2025. doi: 10.22541/au.174716652.27539361/v1
1. **Wall, J.L.** and J.F. Brodie. (*in prep*) Squirrely weather: snowpack drives population densities in a dominant ecosystem engineer in the subarctic, the Arctic ground squirrel (*Urocitellus parryii*).

Dissertation and Theses

2. **Wall, Jennifer Lynn.** "A closer look at Denali's alpine wildlife: Assessing the influences of climate and vegetation changes on species in Alaska" (2024). *Graduate Student Theses, Dissertations, & Professional Papers*: University of Montana. 12293.
1. S. Chelst, B. Delaine-Facey, S.J. Hull, D. Jordan, V. Montsaint-Queeney, M.D. Patel, A. Thapa, **J. Wall**, and D.A. Yee. "Evaluating the efficacy of cattail (*Typha spp.*) fiber for oil sorption." (2017). *Student Theses*: University of Maryland. <https://doi.org/10.13016/M26T0GW45>

Research Grants

Chesapeake Bay Trust Mini Grant, Chesapeake Bay Trust - \$1,250	2018
Maryland Sea Grant, University of Maryland Center for Environmental Science - \$2,000	2016
Bill James Environmental Grant, Maryland Environmental Trust - \$600	2015

Awards, Scholarships & Fellowships

W. A. Franke Graduate Research Fellowship, University of Montana - \$15,000	2021
Bertha Morton Scholarship, University of Montana - \$3,000	2021
D. and K. Buxton Award for Research Excellence, University of Maryland - \$2,000	2015
Banneker / Key Scholar, University of Maryland - Full tuition + \$4,000 for textbooks	2013

Travel Grants

The Wildlife Society Travel Grant, The Wildlife Society - \$500	2024
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Professional Service

Graduate Professional Student Officer, <i>Seminar Coordinator</i> , University of Montana	2022
Graduate Professional Student Officer, <i>Co-Administrator</i> , University of Montana	2021



Invited Presentations

Wall, J.L. (2022) A closer look at Denali's alpine wildlife. *Denali National Park and Preserve: Denali's Speaker Series*, Denali, AK. Oral presentation.

Wall, J.L. and J.F. Brodie. (2021) Brown Bag lunch for the Alaska region of the National Park Service. *Denali National Park and Preserve*, Denali, AK. Online presentation.

Wall, J.L., D. Brinker, S. Weindensaul, D. Okines, P. Côté, J.F. Therrien. (2021) Becoming Nocturnal: a glimpse into monitoring Northern Saw-whet owls. *Hawk Mountain Sanctuary*, Orwigsburg, PA. Webinar.

National and Regional Conferences

Wall, J.L. and J.F. Brodie. (2024) How are climate changes influencing alpine wildlife? *The Wildlife Society Conference*. Baltimore, MD. Oral presentation.

Wall, J.L. (2018). Utilizing aerial imagery to digitize land cover on Poplar Island. *Chesapeake Bay Watershed Forum*. Shepherdstown, WV. Poster.

Wall, J., S. Chelst, B. Delaine-Facey, S. Hull, D. Jordan, V. Monsaint-Queeney, M. Patel, A. Thapa, D. Yee, J. Sullivan. (2017) Evaluating the efficacy of cattail (*Typha spp.*) fiber for oil sorption. *Ecological Society of America*, Portland, OR. Poster.

Training and Workshops

FieldFutures harassment & assault prevention, University of Montana, MT	2023
Bear safety & bear spray training, National Park Service, AK	2019, 2021, & 2022
Title IX training and discussion, University of Montana, MT	2022
Drone workshop: Deeper dive into UAS data processing, Big Sky GeoCon, MT	2019
Environmental leadership training, Blue Mountain Retreat Center, MD	2017

Research Experience

Lead Researcher, Denali Alpine Wildlife Project, 2019 – 2024
University of Montana, MT & Denali National Park and Preserve, AK

International Traineeship, Hawk Mountain Sanctuary, PA Fall 2018

Research Technician, USGS Eastern Ecological Science Center, MD 2017 - 2018

- Ornithology research (PI: Dr. Prosser) with Chesapeake Bay Trust, MD; 2017 – 2018
- Ornithology research (PI: Dr. Prosser); Summer 2017

Bird Banding Manager, Project OwlNet Field Station, Petit Manán, ME Fall 2017

Research Technician, University of Maryland, MD 2016 – 2017

- Songbird research (Lead researcher: Dr. Calandra Stanley) with the National Zoo, Washington D.C.; Summer 2016
- Genetics research (PI: Dr. Wilkinson); 2016 – 2017

Undergraduate Research Thesis, University of Maryland, MD 2013 - 2017

Teaching Experience

Guest Lecturer, University of Montana 2023

- Mammal Social Behaviors, BIOC 475: Mammalogy, Fall 2023

Teaching Assistant

University of Montana 2020 - 2023

- Mammalogy (lab) Fall 2023; *Head teaching assistant*.
- Introduction to Botany (lab) Spring 2020, 2021
- Principles of Living Systems (lab) Fall 2020

University of Maryland 2016 - 2017

- Beginner Trampoline, Spring 2017
- Beginner Tumbling and Balancing, Spring 2016

Outdoor educator, Hawk Mountain Sanctuary 2018

- *Binocular basics, Raptor Identification, Trapping and tracking techniques.*

Volunteer teaching events, Chesapeake Bay Trust 2017 - 2018

- Taught third grade students about bird migration with Patterson Park Audubon Center
- Taught environmental lesson plans to fourth grade students with the Arlington Echo Outdoor Education Center
- Assisted Sultana with an open house for the general public

Gymnastics Instructor, Gymkana troupe, University of Maryland 2014 – 2017

- Camp counselor and gymnastics instructor, Summer 2014, 2015
- Gymnastics instructor, Saturday Program, Spring 2014 – 2017, Fall 2015 - 2017

Community outreach

National Park Service volunteer, Denali National Park and Preserve, AK 2019 - 2022

- Admin Camp Caretaker, Summer 2022
- Volunteer Dog Walker (over 50 hours) Summer 2019, 2021, 2022

Humane Society volunteer, Humane Society of Western Montana, MT 2019 - 2020

- Lead Dog Volunteer (over 50 hours) 2019 - 2020

Society memberships

The Wildlife Society