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EDUCATION

- 2022 **Doctor of Philosophy**
University of Minnesota College of Veterinary Medicine
- 2018 **Doctor of Veterinary Medicine**
University of Minnesota College of Veterinary Medicine
- 2012 **Master of Arts, Anthropology**
Washington University in St. Louis
- 2006 **Bachelor of Arts, Anthropology**
University of Wisconsin-Madison

PROFESSIONAL APPOINTMENTS & POSITIONS

- 2022- Present **Postdoctoral Associate**, “Pathogen discovery and disease surveillance in hunter-harvested wildlife” with Peter Larsen, Tiffany Wolf, and the Minnesota Center for Prion Research and Outreach, University of Minnesota College of Veterinary Medicine
- 2015- Present **Co-Principal Investigator**, Konashen Ecosystem Health Project, Konashen Amerindian Protected Area, Masakenari Village, Guyana

GRANTS AND FELLOWSHIPS

- 2024 **Lindstrom-Engel Postdoctoral Research Fellowship** \$2,000; PI
- 2023 (*Submitted*) **National Science Foundation Ecology and Evolution of Infectious Diseases** “Sylvatic yellow fever transmission: anthropogenic disturbance in intact forest systems.” \$2,743,454; PI
- 2023 (*Submitted*) **National Science Foundation Dynamics of Integrated Socio-Environmental Systems** “Bridging local ecological knowledge and western science to understand pathogen emergence in Amazonia.” \$1,798,852; Co-PI
- 2023 **American Society of Tropical Medicine and Hygiene Committee on Global Health Award for Research Support** \$2,000; PI
- 2023 **College of Veterinary Medicine Intramural Program, University of Minnesota**
“Characterizing the effects of anthropogenic land use change on mosquitoes and arboviruses in

- an Amazonian Indigenous Reserve.” \$99,800; Co-PI . (*Wrote grant proposal, but grant restrictions did not allow postdocs to serve as PI*)
- 2021 **Doctoral Dissertation Fellowship, University of Minnesota** “Understanding zoonotic disease transmission from primate consumption in Guyana.” \$25,000; PI
- 2021 **College of Veterinary Medicine Signature Program in Emerging Zoonotic and Infectious Diseases, University of Minnesota** “Leveraging metatranscriptomics to understand pathogen emergence at the human-wildlife interface in Guyana.” \$99,826; Co-PI
- 2020 **College of Veterinary Medicine Resident and Graduate Student Research Grants, University of Minnesota** “A metatranscriptomic approach to parasitic, viral, and bacterial surveillance in hunter harvested primates in an indigenous reserve, Guyana.” \$9,118; Co-PI
- 2019 **Institute on the Environment Mini-Grant, University of Minnesota** “A community-engaged approach to understanding the role of dogs in One Health within an indigenous reserve in Guyana” \$3,000; Co-PI
- 2019 **Consortium on One Medicine One Science (COMOS) Seed Grant Program, Center for Global Health and Social Responsibility (CGHSR) and Center for Animal Health and Food Safety (CAHFS), University of Minnesota** “A community-engaged approach to understanding the role of dogs in One Health within an indigenous reserve in Guyana, South America.” \$25,000; Co-PI
- 2018 **Grant-in-Aid of Research, Artistry and Scholarship, Office of Vice President for Research, University of Minnesota** “Integrating an anthropological approach within a One Health framework.” \$50,148; Co-I
- 2016 **Veterinary Pioneers in Public Health Grant Center for Animal Health and Food Safety, College of Veterinary Medicine, University of Minnesota** “Bushmeat hunting, protein security and zoonotic disease risk among indigenous Waiwai in the Konashen Community Owned Conservation Area.” \$14,910; Co-PI
- 2016 **Walter H. Judd International Graduate and Professional Fellowship, University of Minnesota** -\$2,500; PI
- 2016 **Consortium on Law and Values in Health, Environment & the Life Sciences Research Grant, University of Minnesota** “A mixed-methods study of bushmeat hunting and zoonotic disease risk among indigenous Waiwai in the Konashen Community Owned Conservation Area.” \$6,975; PI
- 2016 **Travel Grant, Student Chapter American Veterinary Medicine Association, University of Minnesota** “Studying emerging infectious disease in Guyana” \$250; PI
- 2016 **International Travel Grant, College of Veterinary Medicine, University of Minnesota** “Health risks of eating bushmeat in Guyana.” \$3,949; PI
- 2015 **National Geographic Committee for Research and Exploration Grant** “Hunting

sustainability and zoonotic disease risk among indigenous Waiwai in the Konashen Community Owned Conservation Area.” \$19,950; Co-PI

2011 **Summer Research Grant, Washington University in St. Louis**, Department of Anthropology. \$4,000; PI

2010 **Graduate Fellowship, Washington University in St. Louis**, Department of Anthropology, Graduate Fellowship. \$39,400

PUBLICATIONS (*Indicates co-first author)

In-preparation

1. Kipp E.J.*, **Milstein M.S.***, Frank L., Larsen R.J., Wolf T.M., Faulk C., Shaffer C.A., Larsen P.A. Field-focused species identification through targeted amplicon-free mitogenome sequencing using a portable laboratory. *In preparation for Ecology and Evolution, draft available upon request*

Peer-reviewed Journal Articles

1. **Milstein M.S.**, Shaffer C.A., Suse P., Marawanaru E., Shoni R., Suse S., Issacs B., Larsen P.A., Travis D.A., Terio K.A., Wolf T.M. The establishment of a hunter-based surveillance program to characterize primate health in Southern Guyana. *American Journal of Primatology (In Revision)*.
2. Kipp E.J.*, Lindsey L.L.*, **Milstein M.S.**, Blanco C.M., Baker J., Faulk C., Oliver J.D., Larsen P.A. 2023. Nanopore adaptive sampling for targeted mitochondrial genome sequencing and bloodmeal identification in hematophagous insects. *Parasites and Vectors* 16(68).
<https://doi.org/10.1186/s13071-023-05679-3>
3. **Milstein M.S.**, Shaffer C.A., Suse P., Marawanaru A., Heinrich D.A., Larsen, P.A., Wolf T.M. 2022. A mixed-methods approach to understanding domestic dogs and disease transmission risk in an indigenous reserve in Guyana, South America. *PLOS Neglected Tropical Diseases* 16(6):e0010469.
<https://doi.org/10.1371/journal.pntd.0010469>
4. **Milstein M.S.**, Gilbertson M.L.J., Bernstein L.A., Hsue W. 2022. Integrating the Multicultural Veterinary Medical Association actionables into diversity, equity and inclusion curricula in United States veterinary colleges. *Journal of the American Veterinary Medical Association* 260(10):1145-1152.
<https://doi.org/10.2460/javma.21.10.0459>
5. Shaffer C.A.*, **Milstein M.S.***, Lindsey L.L., Wolf T.M., Suse P., Marawanaru E., Kipp E.J., Garwood T., Travis D.A., Terio K.A., Larsen P.A. 2022. “Spider monkey cotton”: Bridging Waiwai and scientific ontologies to characterize spider monkey (*Ateles paniscus*) filariasis in the Konashen Community Owned Conservation Area, Guyana. *International Journal of Primatology* 43:253-272.
<https://doi.org/10.1007/s10764-021-00272-w>
6. **Milstein M.S.**, Shaffer C.A., Gillespie T.R., Terio K.A., Wolf T.M., Travis D.A. 2021. An ethnographic approach to characterizing zoonotic disease risk from bushmeat in an indigenous reserve in Guyana. *Ecohealth* 17:424-436. <https://doi.org/10.1007/s10393-021-01513-3>

7. Shaffer C.A., **Milstein M. S.**, Yukuma C., Marawanaru E., Suse P., Wolf T.M., Travis D. A. 2018. Integrating ethnography and hunting sustainability modeling for primate conservation in an indigenous reserve in Guyana. *International Journal of Primatology* 39:945-968. <https://doi.org/10.1007/s10764-018-0066-2>
8. Shaffer C.A., **Milstein M.S.**, Yukuma C., Marawanaru E., Suse P. 2017. Sustainability and comanagement of subsistence hunting in an indigenous reserve in Guyana. *Conservation Biology* 31(5):1119-1131. <https://doi.org/10.1111/cobi.12891>
9. Calcutt S.E., Lonsdorf E.V., Bonnie K.E., **Milstein M.S.**, Ross S.R. 2014. Captive chimpanzees share diminishing resources. *Behaviour* 151:1967-1982. <https://doi.org/10.1163/1568539X-00003225>
10. Bonnie K.E., **Milstein M.S.**, Calcutt S.E., Ross S.R., Wagner K.E., Lonsdorf E.V. 2012. Flexibility and persistence of chimpanzee (*Pan troglodytes*) foraging behavior in a captive environment. *American Journal of Primatology* 74:661-668. <https://doi.org/10.1002/ajp.22020>
11. Ross S.R., **Milstein M.S.**, Calcutt S.E., Lonsdorf E.V. 2010. Preliminary assessment of methods used to demonstrate nut-cracking behavior to five captive chimpanzees (*Pan troglodytes*). *Folia Primatologica* 81:224-232. <https://doi.org/10.1159/000322118>
12. Lonsdorf E.V., Ross S.R., Linick S.A., **Milstein M.S.**, Melber T.N. 2009. An Experimental, comparative investigation of social learning in chimpanzees and gorillas: the influence of social tolerance. *Animal Behaviour* 77:1119-1126. <https://doi.org/10.1016/j.anbehav.2009.01.020>

Peer-reviewed Book Chapters

Wolf T.M., Deere J., **Milstein M.S.**, Shaffer C.A., Travis D.A. 2020. Monkey health is a team sport. In: *Neglected Diseases of Monkeys: From the Monkey-Human Interface to One Health*. Jones-Engel L. and Knauf S. (eds.) Springer Nature.

Wolf T.M., Deere J.R., Lonsdorf E.V., Collins D., Gillespie T.R., Terio K., Murray C.M., Mjungu D., Kamenya S., Mwacha D., Raphael J., Lipende I., Bakuza J., Gilagiza B., **Milstein M.S.**, Shaffer C.A., Wilson M.L., Detwiler K.M., Travis D.A. 2020. Forming, Storming and Norming Your Way into One Health: The Gombe Case Study. In: *Neglected Diseases of Monkeys: From the Monkey-Human Interface to One Health*. Jones-Engel L. and Knauf S. (eds.) Springer Nature.

Shaffer C.A., **Milstein M.S.**, Suse P., Marawanaru E., Yukuma C. 2019. Co-management of primate hunting in Amazonian indigenous reserves: A case study from Guyana. In: *Primate Research and Conservation in the Anthropocene*. Behie A.M., Teichroeb J.A., and Malone, N. (eds.) Cambridge University Press.

Non-peer Reviewed Publications

Milstein M.S., Bernstein L.A., Gilbertson M.L.J., Hsue, W. 2022. Should classroom time be dedicated to antiracist curricula or stay neutral? (Response to Letter to the Editor). *Journal of American Veterinary Medical Association* 260(13): 1-2.

Bernstein L.A., Gilbertson M.L.J., **Milstein M.S.**, 2020. Diversity and Inclusion (Letter to the Editor). *Journal of the American Veterinary Medical Association* 257(5): 476-477.

PRESENTATIONS

Invited Presentations at Professional Conferences

- Milstein M.S.**, Wolff P. 2023. Tale of two hunters: understanding the role of wildlife hunting in zoonotic disease transmission. Global Health Summit: Infectious Diseases and the Importance of Biodiversity. *American Veterinary Medical Association Convention*, Denver, Colorado. (Podium)
- Burgess T., Gittleman J., Lappin M., **Milstein M.S.**, VandeWoude S., Wolff P. 2023. Global Health Summit: Infectious Diseases and the Importance of Biodiversity, *American Veterinary Medical Association Convention*, Denver, Colorado. (Panel)
- Terio K.A., **Milstein M.S.**, Suse P., Marawanaru E., Travis D.A., Wolf T.M., Larsen P.A., Shaffer C.A. 2020. Unlikely collaborators: understanding primate health using a hunter-based surveillance system among indigenous Waiwai in Guyana. *American College of Veterinary Pathologists*. (Podium) (Virtual)

Presentations at Professional Conferences

- Kipp E.J., **Milstein M.S.**, Lindsey L.L., Frank L.E., Blanco C.M., Baker J., Larsen R.J., Wolf T.M., Shaffer C.A., Faulk C., Oliver J.D., Larsen P.A. Advancing mitochondrial genomics and bloodmeal analysis in blood-feeding Dipterans through targeted single-molecule phylogenetic capture sequencing. Beyond *Drosophila*: Genomic Advances in Non-Model Diptera, *Plant and Animal Genome Conference*. San Diego, California. (Podium)
- Milstein M.S.**, Schwabenlander M.D., Gresch S.C., Li M., Lichtenberg S., Lindsey L.L., Shoemaker R., Rowden G.R., Bartz J.C., Wolf T.M., Larsen P.A. 2023. The detection and decontamination of Chronic Wasting Disease prions during venison processing. *Prion 2023*, Faro, Portugal. (Poster)
- Schwabenlander M.D., Picasso-Risso C., Gresch S.C., **Milstein M.S.**, Rowden G.R., Hildebrand E., Hagen P., Lockwood M., Hediger J., Cherry M.J., Hewitt D.G., Yuan J., Bartz J.C., Wolf T.M., Larsen P.A. 2023. Application of methods for detecting environmental prion protein (ePrP) via surfaces to manage Chronic Wasting Disease. *4th International Chronic Wasting Disease Symposium*. Denver, Colorado. (Podium)
- Kipp E.J., Lindsey L.L., Khoo B., **Milstein M.S.**, Frank L.E., Blanco C.M., Baker J.P., Faulk C., Oliver J.D., Larsen P.A. 2023. Adaptive sampling as a new tool for pathogen surveillance and mitogenome assembly in blood-feeding arthropod vectors. *London Calling, Oxford Nanopore Conference*. London, England. (Poster)
- Frank L.E., Kipp E.J., Larsen R.J., Lindsey L.L., **Milstein M.S.**, Stone S., Faulk C., Shaffer C.A., Wolf T.M., Larsen P.A. 2023. Nanopore adaptive sampling as a rapid mammalian molecular barcoding tool. *London Calling, Oxford Nanopore Conference*. London, England. (Poster)
- Milstein M.S.**, Shaffer C.A., Lindsey L.L., Wolf T.M., Suse P., Marawanaru E., Kipp E.J., Terio K.A., Larsen P.A. 2022. Integrating multiple knowledge systems in zoonotic research: a case study of non-human primate filariasis in Guyana. *American Society of Tropical Medicine and Hygiene Annual Meeting*, Seattle, Washington. (Poster)
- Kipp E.J., **Milstein M.S.**, Frank L.E., Larsen R.J., Shaffer C.A., Wolf T.M., Larsen P.A. 2022. Leveraging a mobile lab and mitochondrial genomics for *in situ*, PCR-free species barcoding of zoonotic pathogen hosts and vectors in Guyana, South America. *American Society of Tropical Medicine and Hygiene Annual Meeting*, Seattle, Washington. (Poster)

- Kipp E.J., Lindsey L.L., Blanco C.M., Baker J., **Milstein M.S.**, Faulk C., Oliver J.D., Larsen P.A. 2022. Streamlining mitochondrial genome assembly in blood-feeding insects using nanopore adaptive sampling. *Annual Wildlife Disease Association Conference*, Madison, Wisconsin. (Poster)
- Frank L.E., **Milstein M.S.**, Kipp E.J., Lindsey L.L., Marawanaru E., Shaffer C.A., Suse P., Wolf T.M., Larsen P.A. 2022. Pathogen Surveillance and discovery in Vampire Bats (*Desmodus rotundus*) distributed across ecologically distinct regions of Guyana, South America. *Annual Wildlife Disease Association Conference*, Madison, Wisconsin. (Poster)
- Milstein M.S.**, Shaffer, C., Suse, P., Marawanaru, A., Heinrich, D., Larsen, P., Wolf, T. M. 2021. Domestic dogs as bridges for disease between wildlife and indigenous Waiwai in Guyana, South America. *Annual Wildlife Disease Association/Biennial European Wildlife Disease Association Joint Virtual Conference*, Cuenca, Spain. (Podium) (Virtual)
- Milstein M.S.**, Lindsey L.L., Shaffer C.A., Suse P., Marawanaru E., Stone S., Wolf T.M., Larsen P.A. 2021. A metatranscriptomic approach to parasitic, viral, and bacterial surveillance in hunter harvested primates in an indigenous reserve in Guyana, South America. *Wildlife Disease Association/European Wildlife Disease Association Joint Virtual Conference*. (Poster) (Virtual)
- Milstein M.S.**, Shaffer C.A., Wolf T.M., Travis D.A. 2019. An Ethnographic Approach to Characterizing Zoonotic Disease Risk from Primate Hunting in an Indigenous Reserve in Guyana. *American Journal of Physical Anthropology* 168 Suppl S68:225. (Podium)
- Shaffer C.A., Yukuma C., Marawanaru E., Suse P., **Milstein M.S.** 2017. Variation in prey choice and hunting efficiency by season and technology among indigenous Waiwai hunters in Guyana. *American Journal of Physical Anthropology* 162 Suppl S64:355. (Podium)
- Milstein M.S.**, Shaffer C.A., Suse P., Yukuma C., Gillespie T. R., Terio K.A., Wolf T.M., Travis D.A. 2016. Human-nonhuman primate disease transmission in the Neotropics: The use of hunter based surveillance among indigenous Waiwai in the Konashen Community Owned Conservation Area, Guyana. *Joint meeting of the International Primatological Society and the American Society of Primatologists*, Chicago, IL (Podium)
- Shaffer C.A., Yukuma C., Marawanaru E., Suse P., **Milstein M.S.** 2016. A mixed-methods, GIS approach to assessing the sustainability of Waiwai primate hunting in Guyana. *Joint meeting of the International Primatological Society and the American Society of Primatologists*, Chicago, IL (Podium)
- Milstein M.S.**, Calcutt S.E., Ross S.R., Bonnie K.E., Lonsdorf E.V. 2010. Food-sharing in a variable environment among a group of zoo-housed chimpanzees (*Pan troglodytes*). *American Journal of Primatology* 72:70. (Podium)
- Milstein M.S.**, Bonnie K.E., Ross S.R., Calcutt S.E., Lonsdorf E.V. 2009. Extractive tool-use by a group of zoo-housed chimpanzees (*Pan troglodytes*) in a variable environment: preliminary evidence of persistent strategies. *American Journal of Primatology* 71:82. (Podium)
- Milstein M.S.**, Ross S.R., Lonsdorf E.V. 2009. The use of gorilla (*Gorilla gorilla gorilla*) spatial preferences and behavior in assessing the effect of visitor presence on animal welfare. *Annual Meeting of the Midwestern Primate Interest Group*, Grand Valley State University, Michigan. (Podium)
- Calcutt S.E., **Milstein M.S.**, Ross S.R., Lonsdorf E.V. 2009. Acquisition of nut-cracking behaviors in a group of zoo-living chimpanzees (*Pan troglodytes*). *American Journal of Primatology* 71:49. (Podium)
- Foster M.W., Linick S.A., **Milstein M.S.**, Wagner K.E., Margulis S.W., Ross S.R., Lonsdorf E.V. 2008. Motivating a new generation of primatologists: the Lincoln Park Zoo's Exploring Apes Behavior Program. *American Journal of Primatology* 70:38. (Podium)
- Milstein M.S.**, Lonsdorf E.V., Ross S.R., Linick S.A. 2008. A comparison between chimpanzee (*Pan troglodytes*) and gorilla (*Gorilla gorilla gorilla*) social tolerance at an artificial termite mound.

American Journal of Primatology 70:58. (Poster)

Linick S.A., Lonsdorf E.V., Ross S.R., **Milstein M.S.** 2008. The development of termite fishing skills in captive western lowland gorilla infants (*Gorilla gorilla gorilla*). *American Journal of Primatology* 70:41. (Poster)

Milstein M.S., Lonsdorf E.V., Ross S.R., Wagner K.E., Linick S.A. 2008. Object use among zoo-housed chimpanzees (*Pan troglodytes*) and gorillas (*Gorilla gorilla gorilla*) and their propensities for termite fishing at an artificial termite mound. *Annual Meeting of the Midwestern Primate Interest Group*, Notre Dame University, Indiana. (Podium)

Ross S.R., Lonsdorf E.V., **Milstein M.S.**, Wagner K.E. 2008. Lack of evidence of visitor effects on gorillas housed in a contemporary zoo exhibit. *Measuring Zoo Animal Welfare: Combining Approaches and Overcoming Challenges*, Brookfield Zoo, Illinois. (Poster)

Invited Presentations at Non-Professional Conferences

Larsen P.A., **Milstein M.S.**, O'Connor R., Martinez-Podolsky E., Wolf T.M. 2023. Research ethics week: Diversity, equity, and inclusion in research. University of Minnesota College of Veterinary Medicine. (Panel).

Milstein M.S. 2022, 2023. Conservation, sustainable use and pathogen emergence in wildlife in Amazonia. School of Environmental Studies, Apple Valley, Minnesota. (Lecture)

Milstein M.S. 2021. Disease risk from wild meat: a case study from the Waiwai in Guyana, South America. School of Environmental Studies, Apple Valley, Minnesota. (Lecture)

Milstein M.S. 2021. Living in a pandemic: What Indigenous Waiwai can teach us about zoonotic disease. TriBeta Biology Honors Society. Augsburg University. (Lecture) (Virtual)

Milstein M.S. 2020. The risk of zoonotic disease transmission from primate wild meat in Guyana. University of Minnesota Ecology, Evolution and Behavior, Behavior Group. (Lecture) (Virtual)

Milstein M.S., Wolf T.M. 2020. One health in practice. Iowa State University College of Veterinary Medicine One Health Club. (Lecture) (Virtual)

Milstein M.S. 2016. Hastings Reads! Connecting with the wild - know gorillas! Dakota County Library, Minnesota. (Lecture)

Presentations at Non-Professional Conferences

Milstein M.S., Shaffer C.A., Larsen P.A., Wolf T.M. 2020. Dog health and zoonotic disease risk in Guyana. University of Minnesota College of Veterinary Medicine Graduate Research Seminar. (Lecture) (Virtual)

Milstein M.S., Shaffer C.A., Suse P., Marawanaru A., Noyes N., Granick J., Heinrich D., Gillespie T.R., Travis D.A., Larsen P.A., Wolf T.M. 2020. Dog health and zoonotic disease risk in an indigenous community in Guyana, South America. University of Minnesota Global Health Day. (Poster) (Virtual) ***Awarded Outstanding Research Poster**

Milstein M.S., Shaffer C.A., Suse P., Marawanaru A., Noyes N., Granick J., Heinrich D., Gillespie T.R., Travis D.A., Larsen P.A., Wolf T.M. 2019. Domestic dog health in an indigenous community in Guyana. University of Minnesota College of Veterinary Medicine Points of Pride Research Days. (Poster)

Milstein M.S., Shaffer C.A., Wolf T.M., Travis D.A. 2018. A veterinary anthropological approach to characterizing zoonotic disease risk from bushmeat hunting in Guyana. University of Minnesota College of Veterinary Medicine Points of Pride Research Days. (Poster) ***Awarded Honorable Mention**

Milstein M.S., Shaffer C.A., Suse P., Gillespie T. R., Wolf T.M., Terio K.A., Travis D.A. 2019. Building an

ecosystem health demonstration site in Guyana. University of Minnesota College of Veterinary Medicine Graduate Research Seminar. (Podium)

Milstein M.S., Shaffer C.A., Suse P., Gillespie T. R., Wolf T.M., Terio K.A., Travis D.A. 2018. Mitigating zoonotic disease risk through hunting co-management and community-based disease surveillance among indigenous Waiwai in Guyana. Lester E. Fisher Center for the Study and Conservation of Apes, Lincoln Park Zoo Chicago, Illinois. (Podium)

Milstein M.S., Shaffer C.A., Suse P., Gillespie T. R., Wolf T.M., Travis D.A., Terio K.A. 2018. Collaborating with indigenous Waiwai for community-based disease surveillance in Guyana. Zoological Pathology Program, University of Illinois College of Veterinary Medicine and Brookfield Zoo, Chicago, Illinois. (Podium)

Milstein M.S., Shaffer C.A., Suse P., Yukuma C., Gillespie T. R., Terio K.A., Wolf T.M., Travis D.A. 2016. Zoonotic disease risk of bushmeat consumption among indigenous Waiwai in the Konashen Community Owned Conservation Area, Guyana. University of Minnesota Global Health Day. (Poster). **Awarded Outstanding Research Poster*

Milstein M.S., Shaffer C.A., Suse P., Travis D.A. 2016. Human health risks of bushmeat consumption among indigenous Waiwai in the Konashen Community Owned Conservation Area, Guyana. University of Minnesota College of Veterinary Medicine Points of Pride Research Days. (Poster)

TEACHING AND MENTORSHIP

Graduate and Veterinary Professional Student Instruction

- 2023, 2024 **Guest Lecturer**, Wildlife Disease, Veterinary Public Health Issues Elective, University of Minnesota
- 2021- Present **Instructor**, Climate Change and Veterinary Medicine, Veterinary Public Health, 4th Year Veterinary Student Rotation, University of Minnesota
- 2021 **Instructor**, Zoonotic Disease, Veterinary Public Health, 4th Year Veterinary Student Rotation, University of Minnesota
- 2020 **Teaching Assistant**, Grand Challenges in Ecosystem Health, University of Minnesota
- 2016, 2018-19 **Guest Lecturer**, Global Perspectives and Intercultural Development, College of Veterinary Medicine, University of Minnesota

Undergraduate Student Instruction

- 2022, 2023 **Guest Lecturer**, Introduction to Ecosystem Health: Challenges at the Intersection of Humans, Animals, and the Environment
- 2012 **Teaching Assistant**, The AIDS Epidemic, Department of Anthropology, Washington University in St. Louis
- 2012 **Teaching Assistant**, Population and Society, Department of Anthropology, Washington University in St. Louis

Veterinary Professional Student Mentorship

- 2020- 2022 **Advisor**, Veterinary One Health Club, College of Veterinary Medicine, University of Minnesota
- 2020- Present **Volunteer Veterinary Instructor**, Veterinary Treatment Outreach for Urban and Community Health (VeTouch), College of Veterinary Medicine, University of Minnesota

2019- Present **Volunteer Veterinary Instructor**, Student Initiative for Reservation Veterinary Services (SIRVS), College of Veterinary Medicine, University of Minnesota

Graduate Student Mentorship

2022- Present Lexi Frank, PhD Candidate (Advisor: Dr. Peter Larsen)

2022- Present Madeline Grunklee, Master’s student (Advisor: Dr. Tiffany Wolf)

ADDITIONAL RESEARCH ACTIVITIES AND POSITIONS

2023-Present **Postdoctoral Investigator**, “Assessing the feasibility of a hunter-based CWD surveillance program in the White Earth Nation,” research partnership with the Minnesota Center for Prion Research and Outreach (MnPRO), University of Minnesota, White Earth Nation, and USDA-APHIS

2023-Present **Postdoctoral Investigator**, “Developing best practices for the detection and decontamination of Chronic Wasting Disease prions association with venison processing”, Minnesota Center for Prion Research and Outreach (MnPRO), University of Minnesota

2018-2022 **Graduate Assistant**, Tiffany Wolf and Peter Larsen Laboratory, University of Minnesota

2020- 2022 **Associate Veterinarian**, MN Pets, Oakdale, MN

2010-2012 **Graduate Student**, Goulougo Triangle Ape Project, Washington University in St. Louis/Republic of Congo

2010-2012 **Graduate Researcher**, Saint Louis Zoo Ape House, Washington University in St. Louis

2008-2010 **Research Assistant**, Lester E. Fisher Center for the Study and Conservation of Apes, Lincoln Park Zoo, Chicago, IL

2007-2008 **Tool-use Research Intern**, Lester E. Fisher Center for the Study and Conservation of Apes, Lincoln Park Zoo, Chicago, IL

2006-2007 **Field Assistant**, University of California Los Angeles, Lomas Barbudal White-Faced Capuchin Monkey Project, Bagaces, Costa Rica

PROFESSIONAL SERVICE

2023- Present **Research Committee Seminars Subcommittee**, College of Veterinary Medicine, University of Minnesota

2022- Present **Research Committee**, College of Veterinary Medicine, University of Minnesota

2020- Present **Diversity and Inclusion Committee**, College of Veterinary Medicine, University of Minnesota

2022- Present **Co-founder**, Wildlife Disease Journal Club, College of Veterinary Medicine, University of Minnesota

2022-Present **Co-founder**, Nanopore Working Group, College of Veterinary Medicine, University of Minnesota

2019- 2021 **Co-founder**, Ecosystem Health Seminar Series, College of Veterinary Medicine, University of Minnesota

POPULAR SCIENCE COVERAGE OF RESEARCH

2022 **University of Minnesota News and Events:** “*Preventing ‘Spillover’ in the Amazon*”

Milstein, Marissa S. – CV

<https://twin-cities.umn.edu/news-events/marissa-milstein-preventing-spillover-amazon>

2021 **University of Minnesota College of Veterinary Medicine Profiles Magazine:** “*Science in Seconds*”
<https://profiles-vetmed.umn.edu/article/marissa-milstein-wins-sciences-seconds-moves-university-wide-competition>

2019 **University of Minnesota College of Veterinary Medicine Profiles Magazine:** “*Conservation, health and food security in the Amazon*”
<https://profiles-vetmed.umn.edu/article/conservation-health-and-food-security-amazon>

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

Wildlife Disease Association, American Society of Tropical Medicine and Hygiene, Minnesota Veterinary Medical Association, American Veterinary Medical Association