

CHRISTOPHER A. SHAFFER

Associate Professor, Department of Anthropology
Grand Valley State University

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EDUCATION

- 2005-2012 **Ph.D. Biological Anthropology, Washington University in St. Louis**
Ranging behavior, group cohesiveness, and patch use in northern bearded sakis (Chiropotes sagulatus) in Guyana
Advisor: Robert Sussman
- 2005-2007 **M.A. Anthropology, Washington University in St. Louis**
Advisor: Robert Sussman
- 1998-2002 **B.S. Anthropology and Human Biology, Emory University**
Foraging, ranging, and spatial memory in mantled howling monkeys (Alouatta palliata)
Advisor: Benjamin Freed
Summa cum Laude

ACADEMIC APPOINTMENTS

- 2021-present **Associate Professor**, Dept of Anthropology, Grand Valley State University, Michigan
- 2014-2021 **Assistant Professor**, Dept of Anthropology, Grand Valley State University, Michigan
- 2012-2014 **Director of Undergraduate Research**, Dept of Anthropology, Sociology, and Languages, University of Missouri St. Louis, Missouri
- 2012-2014 **Visiting Assistant Professor**, Dept of Anthropology, Sociology, and Languages, University of Missouri St. Louis, Missouri

PUBLICATIONS (37 total peer-reviewed publications)

Peer – reviewed journal articles (22 total)

In Review

37. **Shaffer, C.A.**, Yukuma, C., Suse, P., and Marawanaru, E. (*In Review*). A comparison of prey choice and hunting efficiency of Indigenous hunters in Guyana by technology and season. *Biodiversity and Conservation*. (*Manuscript available upon request*).

In Revision

36. Milstein, M.S., **Shaffer, C.A.**, Suse, P., Marawanaru, E., Shoni, R., Isaacs, B., Larsen, P., Travis, D.A., Terio, K.A., and Wolf, T. (*In Revision*). The establishment of a hunter-based surveillance program to characterize primate health in Southern Guyana. *American Journal of Primatology*. (*Manuscript available upon request*)

2022

35. Estrada, A., Garber, P., Gouveia, S., Fernandez-Llamazares, A., Ascensão, F., Fuentes, A., Garnett, S., **Shaffer, C. A.**, Bicca-Marques, J., Fa, J., Hockings, K., Shanee, S., Johnson, S., Shepard, G., Shanee, N., Golden, C., Cárdenas-Navarrete, A., Levey, D.,

Boonratana, R., Dobrovolski, R., Chaudhary, A., Ratsimbazafy, J., Supriatna, J., Kone, I., & Volampeno, S. (2022). Global importance of Indigenous peoples, their lands, and knowledge systems for saving the world's primates from extinction. *Science Advances* 8(32) DOI: 10.1126/sciadv.abn29.

34. **Shaffer, C.A.**, Milstein, M.S. (co-first authors), Lindsey, L., Wolf, T., Suse, P., Marawanaru, E., Kipp, E., Garwood, T., Travis, D., Terio, K., Larsen, P. (2022). Integrating Indigenous knowledge, ontology, and molecular barcoding to characterize spider monkey (*Ateles paniscus*) filariasis. *International Journal of Primatology* 43: 253-272.
33. Milstein, M.S., **Shaffer, C.A.**, Suse, P., Marawanaru, A., Heinrich, D., Larsen, P., and Wolf, T. (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* <https://doi.org/10.1371/journal.pntd.0010469>.

2021

32. Bernstein, L., **Shaffer, C.A.**, Walz, E., Moore, S., Sparks, A., Stone, S., Roerick, T., Larsen, P., Wolf, T. (2021). Exploring risk for echinococcosis spillover in northern Minnesota tribal communities. *Ecohealth* 18: 169-181.
31. Riley, E.P., **Shaffer, C.A.**, Trinidad, J.S., Morrow, K.S., Sagnotti, C., Carosi, M., and Ngakan, P.O. (2021). Roadside monkeys: Anthropogenic effects on moor macaque (*Macaca maura*) ranging behavior in Bantimurung Bulusaraung National Park, Sulawesi, Indonesia. *Primates* 62(3):477-489.

2020

30. Milstein, M.S., **Shaffer, C.A.**, Gillespie, T.R., Terio, K.A., Wolf, T.M., and Travis, D. (2020). An ethnographic approach to assessing zoonotic disease risk from bushmeat in an indigenous reserve in Guyana. *Ecohealth* 17(4):424-436.

2018

29. **Shaffer, C.A.**, Milstein, M. S., Yukuma, C., Marawanaru, E., Suse, P., Wolf, T., 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.
28. **Shaffer, C.A.**, Yukuma, C., Marawanaru, E., and Suse, P. (2018). Assessing the sustainability of Waiwai subsistence hunting in Guyana by comparison of static indices and spatially explicit, biodemographic models. *Animal Conservation* 21: 148-158.

2017

27. **Shaffer, C.A.**, Milstein, M.S., Yukuma, C., Marawanaru, E., and Suse, P. (2017). Sustainability and comanagement of subsistence hunting in an Indigenous reserve in Guyana. *Conservation Biology* 31: 119-1131.
26. Flachs, A., Stone, G.D., **Shaffer, C.A.** (2017). GIS as tool for spatial modeling in Warangal seed fad patterns. *Human Ecology* 45: 143–159.

2016

25. Goldstein, S. and **Shaffer, C.A.** (2016). Experimental and archaeological investigations

of geometric microlith function among Mid-to-Late Holocene herders in southwestern Kenya. *Journal of Archaeological and Anthropological Sciences* 1-22.

24. **Shaffer, C.A.**, Barnett, A.A., Gergory, T., Melo, F.R., Moreira, L., Alvim, T.H.G., Moura, V.S., Filó, A., Cardoso, T., Port-Carvalho, M., Santos, R.R., Boyle, S.A. (2016). Mixed species associations in cuxius (genus *Chiropotes*). *American Journal of Primatology* 78: 583-597.
23. Boyle, S.A., Thompson, C.L., DeLuycker, A., Alvarez, S.J., Alvim, T.H.G., Aquino, R., Bezerra, B.M., Boubli, J.P., Bowler, M., Caselli, C.B., Chagas, R.R.D., Ferrari, S.F., Fontes, I.P., Gregory, T., Haugaasen, T., Heiduck, S., Hores, R., Lehman, S., Melo, F.R., Moreira, L.S., Moura, V.S., Nagy- Reis, M.B., Norconk, M.A., Palacios, E., Palminteri, S., Peres, C.A., Pinto, L.P., Port-Carvalho, Rodriguez, A., M., Santos, R.R., Setz, E.Z.F., **Shaffer, C.A.**, Silva, F.E., Silva, R.F.S., Souza-Alves, J.P., Trevelin, L.C., Veiga, L.M., Vieira, T.M., DuBose, M.E., Barnett, A.A. (2016). The geography of choice: patterns in fruit consumption by the pitheciids *Cacajao*, *Callicebus*, *Chiropotes*, and *Pithecia*. *American Journal of Primatology* 78: 493-506.

2014

22. **Shaffer, C.A.** (2014). Spatial foraging in free-ranging bearded sakis: Lévy Walkers or traveling salesmen? *American Journal of Primatology* 72: 472-484.
21. Wright, P.J. and **Shaffer, C.A.** (2014). Crop selection: Perspectives from the lower Missouri river valley. *Midwest Archaeological Conference Inc. Occasional Papers*. No. 1: 73-96.

2013

20. **Shaffer, C.A.** (2013). GIS analysis of patch use and group cohesiveness of bearded sakis (*Chiropotes sagulatus*) in the Upper Essequibo Conservation Concession, Guyana. *American Journal of Physical Anthropology* 150: 235–246.
19. **Shaffer, C.A.** (2013). Feeding ecology of bearded sakis (*Chiropotes sagulatus*) in Guyana. *American Journal of Primatology* 75: 568-580.
18. **Shaffer, C.A.** (2013). Ecological correlates of ranging behavior of northern bearded sakis (*Chiropotes sagulatus*) in a continuous forest in Guyana. *International Journal of Primatology* 34: 515-532.
17. **Shaffer, C.A.** (2013). Activity patterns, intergroup encounters, and male affiliation in free-ranging bearded sakis (*Chiropotes sagulatus*). *International Journal of Primatology* 34: 1190-1208.

2012

16. Barnett, A.A., Boyle, S.A., Norconk, M.M., Alvim, T.H.G., Bowler, M., Chism, J., Di Fiore, A., Fernandez-Duque, E., Guimarães, A.C.P., Harrison-Levine, A., Haugaasen, T., Lehman, S., MacKinnon, K.C., Melo, F.R., Moreira, L.S., Moura, V.S., Palminteri, S., Pinto, L.P., Port-Carvalho, M., Santos, R.R., Setz, E.Z.F., **Shaffer, C.A.**, de Silva, L.R., da Silva, S.B., Thompson, C.L., Veiga, L.M., Vieira, T.M., Walker-Pacheco, S.E., Spironello, W.R., MacLarnon, A., and Ferrari, S.F. (2012). Terrestrial Behavior in Pitheciins (*Cacajao*, *Chiropotes*, and *Pithecia*). *American Journal of Primatology* 74: 1106-1127.

Peer – reviewed book chapters (14 total)

2022

15. **Shaffer, C. A.** & Ormond, P. (2022). Sakis, bearded sakis, and uakaris: Platyrrhine seed predators. In Sussman, R. W., Hart, D., & Colquhoun, I. C. (Eds.), *The Natural History of Primates: A Systematic Survey of Ecology and Behavior*. Rowman & Littlefield. pp. 209-227.
14. Ashmore, P. C., Hart, D., **Shaffer, C. A.** (2022). Macaques: Ecological plasticity in primates. In Sussman, R. W., Hart, D., & Colquhoun, I. C. (Eds.), *The Natural History of Primates: A Systematic Survey of Ecology and Behavior*. Rowman & Littlefield. pp. 429-480.

2021

13. **Shaffer, C.A.** (2021). Quantifying primate resource dispersion with GIS: What is a patch? In Dolins, F., Shaffer, C.A., Hickey, J., Porter, L., and Nibbelink, N. (Eds.), *Spatial Analysis in Field Primatology: Applying GIS at Varying Scales*. Cambridge: Cambridge University Press. pp. 152-179.
12. **Shaffer, C.A.** (2021). Section II Introduction: Applying GIS in small-scale space. In Dolins, F., Shaffer, C.A., Hickey, J., Porter, L., and Nibbelink, N. (Eds.), *Spatial Analysis in Field Primatology: Applying GIS at Varying Scales*. Cambridge: Cambridge University Press. pp. 123-128.
11. Wolf, T.M., Deere, J., Milstein, M.S., **Shaffer, C.A.**, and Travis, D.A. (2021). Monkey health is team sport. In Jones-Engel, L., and Knauf, S. (Eds.), *Neglected Diseases of Monkeys: From the Monkey Human Interface to One Health*. London: Springer Nature. pp. 19-40.
10. Wolf, T.M., Deere, J., Lonsdorf, E.V., Collins, D.A., 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., and Travis, D.A. (2021). Forming, storming, and norming your way into one health: The Gombe case study. In Jones- Engel, L., and Knauf, S. (Eds.), *Neglected Diseases of Monkeys: From the Monkey Human Interface to One Health*. London: Springer Nature. pp. 373-382.

2019

9. **Shaffer, C.A.**, Milstein, M. S., Suse, P., Marawanaru, E., Yukuma, C. (2019). Co-managment of primate hunting in Amazonian indigenous reserves: A case study from Guyana. In Behie, A.M., Teichroeb, J.A., and Malone, N. (Eds.), *Primate Research and Conservation in the Anthropocene*. Cambridge: Cambridge University Press. pp. 74-79.
8. **Shaffer, C.A.**, Wright, B.A., and Wright, K. (2019). Primate community structure at three flooded forest sites in Guyana. In Barnett, A.A., Matsuda I. and Katarzyna, N. (Eds.), *Primates in Flooded Habitats: Ecology and Conservation*. Cambridge: Cambridge University Press. pp. 226-235.
7. Boyle, S.A., Alho, C., Chism, J., Defler, T., Di Fiore, A.D., Fernandez-Duque, E., Palacios, E., Santos, R., Shaffer, C.A., Urbani, B., Wallace, R. Wright, B., Wright, K.,

Barnett, A.A. (2019). Conservation of primates and their flooded habitats in the neotropics. In Barnett, A. A., Matsuda I., and Katarzyna, N. (Eds.), *Primates in Flooded Habitats: Ecology and Conservation*. Cambridge: Cambridge University Press. pp. 359-374.

2018

6. Travis, D.A., Alpern, J.D., Convertino, M., Craft, M., Gillespie, T., Kennedy, S., Robertson, C., **Shaffer, C.A.**, and Stauffer, W. (2018). Biodiversity and health. In Herrmann, J.A., and Johnson-Walker, Y. (Eds.), *Beyond One Health: from Recognition to Results*. New Jersey: Wiley-Blackwell. pp. 153-176.

2017

5. **Shaffer, C.A.**, Marawanaru, E., Yukuma, C. (2017). An ethnoprimateological approach to assessing the sustainability of primate subsistence hunting of indigenous Waiwai in the Konashen Community Owned Conservation Concession, Guyana. In Dore, K. M., Riley, E.P., and Fuentes, A. (Eds.), *Ethnoprimateology: A Practical Guide to Research on the Human- Nonhuman Primate Interface*. Cambridge: Cambridge University Press. pp. 232-250.
4. **Shaffer, C.A.** (2017). The Pitheciinae. In Fuentes, A., et al. (Eds.), *The International Encyclopedia of Primatology*. New Jersey: Wiley-Blackwell. pp. 979-981.
3. **Shaffer, C.A.** (2017). GPS/GIS. In Fuentes, A., et al. (Eds.), *The International Encyclopedia of Primatology*. New Jersey: Wiley-Blackwell. pp. 477-483.

2011

2. Sussman, R.W., **Shaffer, C.A.**, and Guidi, L. (2011). *Macaca fascicularis* in Mauritius: Implications for macaque–human interactions and for future research on long-tailed macaques. In Fuentes, A., Gumert, M.D., and Jones-Engel, L. (Eds.), *Ecology and Management of Long-Tailed Macaques and their Interface with Humans*. Cambridge: Cambridge University Press. pp. 207-235.

Peer-Reviewed Edited Volumes (1 total)

2022

1. Dolins, F., **Shaffer, C.A.**, Hickey, J., Porter, L., and Nibbelink, N. (2022). *Spatial Analysis in Field Primatology: Applying GIS at Varying Scales*. Cambridge: Cambridge University Press.

GRANTS

-
- Submitted* **NSF Dynamics of Integrated Socio-Environmental Systems. Co-PI. \$1,798,825**
Bridging local ecological knowledge and Western science to understand pathogen emergence in Amazonia.
- Submitted* **NSF Ecology and Evolution of Infectious Diseases. Co-PI. \$2,743,454**
Sylvatic yellow fever transmission: Anthropogenic disturbance in intact forest systems.
- 2023 **Re:wild Conservation Grant. PI. \$10,985**
SMART training for Waiwai wildlife conservation and territorial monitoring in the Kanashen Amerindian Protected Area, Guyana.

- 2023 **UMN College of Veterinary Medicine Intramural Program. Co-PI. \$99,800**
Characterizing the effects of anthropogenic land use change on mosquitoes and arboviruses in an Amazonian Indigenous reserve.
- 2022 **Margo Marsh Biodiversity Foundation. Co-PI. \$20,000**
The Guianas Primate Project.
- 2022 **UMN College of Veterinary Medicine Signature Program. Co-PI. \$99,826**
Leveraging metatranscriptomics to understand pathogen emergence at the human wildlife interface in Guyana.
- 2020 **GVSU Collaborative Research and Creative Activity Initiative. PI. \$10,000**
Microbiome, resistome, and health changes associated with dietary shifts in a remote Indigenous population in Guyana, South America.
- 2019 **UMN Center for Global Health and Social Responsibility. Co-PI, \$25,000**
A Community-engaged approach to understanding the role of dogs in One Health within an indigenous reserve in Guyana, South America.
- 2019 **UMN Grant-in-Aid of Research, Artistry and Scholarship. Co-PI. \$45,456**
Forging new relationships in One Health research through engaged ethnography.
- 2019 **UMN Grant-in-Aid of Research, Artistry and Scholarship. Co-I. \$50,148**
Integrating an anthropological approach within the One Health framework.
- 2018 **UMN Academic Health Center Seed Grant. Co-I. \$30,000**
Characterizing zoonotic disease risk through a cultural lens: Echinococcus at the human-canid interface.
- 2018 **National Geographic Committee for Research and Exploration. PI. \$19,950**
Hunting sustainability and zoonotic disease risk among indigenous Waiwai in the Konashen Community Owned Conservation Area, Guyana.
- 2016 **UMN Veterinary Pioneers in Public Health. Co-PI. \$14,910**
Bushmeat hunting, protein security and zoonotic disease risk among indigenous Waiwai in the Konashen Community Owned Conservation Area, Guyana.
- 2016 **UMN Consortium on Law, Values in Health, Environment, Sciences. Co-PI. \$6,975**
A Mixed-methods study of bushmeat hunting and zoonotic disease risk among Indigenous Waiwai in the Konashen Community Owned Conservation Area, Guyana.
- 2016 **Conservation International Primate Action Fund Grant. PI. \$4,000**
The sustainability of subsistence primate hunting among indigenous Waiwai in the Konashen Community Owned Conservation Area, Guyana.
- 2015 **American Association of Physical Anthropologists. PI. \$5,000**
Ethnoprimateology of the Konashen Community Owned Conservation Area, Guyana.
- 2015 **International Primatological Society Conservation Initiative. PI. \$2,000**
An ethnoprimateological approach to assessing the sustainability of Waiwai primate hunting in the Konashen Community Owned Conservation Area, Guyana.

- 2015 **GVSU Career Catalyst Grant. PI. \$6,000**
An ethnoprimateological approach to assessing the sustainability of Waiwai primate hunting in the Konashen Community Owned Conservation Area, Guyana
- 2009 **National Science Foundation Dissertation Improvement Grant. PI. \$11,995**
*Ranging behavior, group cohesiveness, and patch use of northern bearded sakis (*Chiropotes sagulatus*) in Guyana.*
- 2008 **Lambda Alpha Small Research Grant. PI. \$2,000**
*Ranging behavior, group cohesiveness, and patch use of northern bearded sakis (*Chiropotes sagulatus*) in Guyana*
- 2005 **Washington University Anthropology Summer Research Grant PI. \$5,000**
Survey of primates in Central and Southern Guyana

AWARDS

- 2018 GVSU Distinguished Early Career Scholar
- 2017 GVSU Last Lecture for classroom excellence (*Nominee*)
- 2014 University of Missouri St. Louis Last Lecture for classroom excellence (*Nominee*)
- 2012 University of Missouri St. Louis Innovation Teaching Award
- 2012 Sherwood Washburn Award, American Association of Physical Anthropologists
- 2011 Washington University Dissertation Fellowship
- 2003 Washington University Graduate Student Fellowship

PRESENTATIONS (*Abridged, only oral and published abstracts as first author listed*)

Presentations at professional conferences (17 total)

- 2019 **Shaffer, C.A.** Leveraging anthropological holism for teaching evolution. Annual Meeting of the American Anthropological Association, Vancouver, British Columbia.
- 2019 **Shaffer, C.A.** "The "Ethno" in ethnoprimateology: Evolving methods in an evolving field. Annual Meeting of the American Anthropological Association, Vancouver, British Columbia.
- 2019 Milstein, M.S., **Shaffer, C.A.**, (co-first authors), Wolf, T.M., and Travis, D.A. An ethnographic approach to characterizing zoonotic disease risk from primate hunting in an indigenous reserve in Guyana. [Abstract] *American Journal of Physical Anthropology* 168 Suppl. S68: 225.
- 2018 **Shaffer, C.A.**, Yukuma, C., Suse, P., Marawanaru, E. Primate use of forest fallows and Waiwai garden hunting in an indigenous reserve in Guyana. [Abstract] *American Journal of Physical Anthropology* 165 Suppl. 66: 249.
- 2017 **Shaffer, C.A.**, Yukuma, C., Marawanaru, E., Suse, P., Milstein, M.S. Variation in prey choice and hunting efficiency by season and technology among indigenous Waiwai hunters in Guyana. [Abstract] *American Journal of Physical Anthropology* 162 Suppl. 64: 355.
- 2016 **Shaffer, C.A.**, Yukuma, C., Marawanaru, E., Suse, P., Milstein, M.S. 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.

- 2016 Milstein, M.S., **Shaffer, C.A.**, Suse, P., Yukuma, C., Gillespie, T.R., Terio, K.A., Wolf, T.M., and Travis, D.M. 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.
- 2016 **Shaffer, C.A.** What is a patch? Quantifying resource dispersion in primate studies. [Abstract] *American Journal of Physical Anthropology* 159 Suppl. 62: 111.
- 2015 **Shaffer, C.A.** Mixed-species associations in Guianan bearded sakis (*Chiropotes sagulatus*) in Guyana. [Abstract] *American Journal of Physical Anthropology* 156 Suppl. 60: 284-285.
- 2014 **Shaffer, C.A.**, and Flachs, A. GIS as a tool for spatial modeling of cotton seed fads in Telangana, India. 113th Meeting of the American Anthropological Association.
- 2014 **Shaffer, C.A.** Preliminary study of the sustainability of primate hunting among indigenous Waiwai in the Kanashen Community Owned Conservation Area, Guyana. [Abstract] *American Journal of Physical Anthropology*. Suppl. 58: 237.
- 2013 **Shaffer, C.A.** Ranging behavior and habitat use of bearded sakis: why so wide ranging? [Abstract] *American Journal of Primatology*. Suppl. 75: 94.
- 2012 **Shaffer, C.A.** GIS analysis of the ranging behavior, group cohesiveness, and patch use of bearded sakis (*Chiropotes sagulatus*) in the Upper Essequibo Conservation Concession, Guyana. [Abstract] *American Journal of Physical Anthropology* Suppl. 54: 267.
- 2011 **Shaffer, C.A.** Diet and ranging behavior of bearded sakis (*Chiropotes sagulatus*) in the Upper Essequibo Conservation Concession, Guyana. [Abstract] *American Journal of Physical Anthropology* Suppl. 52: 271.
- 2006 **Shaffer, C.A.** A preliminary survey of the primates in the Upper Essequibo Conservation Concession, Guyana. [Abstract] *American Journal of Physical Anthropology* Suppl. 42: 163.
- 2005 **Shaffer, C.A.**, and Sussman, R.W. Activity budget and feeding ecology of *Macaca fascicularis* in Mauritius. [Abstract] *American Journal of Physical Anthropology* Suppl. 40: 18.
- 2004 **Shaffer, C.A.** Foraging, ranging, and spatial memory in the mantled howler monkey (*Alouatta palliata*). [Abstract] *American Journal of Physical Anthropology* Suppl. 38: 179.

Invited Lectures (13 total)

- 2023 *Co-management of resource use and health in an Amazonian Indigenous reserve.* School of Forestry, Northern Arizona University, Flagstaff, Arizona
- 2023 *Conservation initiative beginnings.* Webinar for the American Society of Primatologists

- 2021 *Hunting, wildlife markets and food security*. Webinar for the American Society of Primatologists
- 2019 *An ethnographically informed approach to characterizing zoonotic disease risk and managing ecosystem health in an indigenous community in Guyana, South America*. College of Veterinary Medicine Seminar Series, University of Minnesota, St. Paul, Minnesota
- 2019 *Integrating ethnography and spatial modeling for co-management of subsistence hunting in Amazonia*. Conservation Sciences Seminar Series, University of Minnesota, St. Paul, Minnesota
- 2016 *The Human-nonhuman primate interface in Amazonia*. Anthropology Colloquium, San Diego State University, San Diego, California
- 2015 *Shared space: Mutual ecologies and social lives of indigenous Waiwai and nonhuman primates in Southern Guyana*. Anthropology Colloquium, University of Michigan, Ann Arbor, Michigan
- 2014 *Rainforest foragers: The behavioral ecology of primates and humans in Guyana*. Biology Seminar Series, Rhodes University, Memphis, Tennessee
- 2013 *The zoonotic origin of HIV*. The AIDS Epidemic, Washington University in St. Louis.
- 2013 *What to eat? Food choice in people and primates*. Jubilee Series, University of Missouri – St. Louis., St. Louis, Missouri
- 2013 *Race, a biological anthropology perspective*. Disagreement, Difference & Diversity, University of Missouri– St. Louis., St. Louis, Missouri
- 2012 *How to conduct a long-term primate study*. Primate Behavioral Ecology, St. Louis University, St. Louis, Missouri
- 2008 *Ecology of the Upper Essequibo Conservation Concession with emphasis on the primates*, Conservation International, Georgetown, Guyana

TEACHING (*Teaching portfolio including evaluations and yearly reflections on teaching, available on request*)

-
- 2016- present **ANT 380: Human Variation**, GVSU. *Instructor of record.*
- 2016- present **ANT 305: Methods in Biological Anthropology**, GVSU. *Instructor of record.*
- 2015- present **ANT 340: Culture and Environment**, GVSU. *Instructor of record.*
- 2015- present **ANT 313: Primate Behavior and Ecology**, GVSU. *Instructor of record.*
- 2014-present **ANT 206: Human Origins**, GVSU. *Instructor of record.*
- 2014 **Anthro 3019: Human Ecology**, University of Missouri St. Louis. *Instructor of record.*
- 2013-2014 **Anthro 4160: GIS in Anthropology**, University of Missouri St. Louis. *Instructor of record.*
- 2013-2014 **Anthro 2105: Human Variation**, University of Missouri St. Louis. *Instructor of record.*
- 2012-2013 **Anthro 1025: World Cultures**, University of Missouri St. Louis. *Instructor of record.*
- 2012-2013 **Anthro 1005: Introduction to Biological Anthropology with lab**, University of Missouri St. Louis. *Instructor of record.*

2012 **Anthro 3665: Observing Animal Behavior at the St. Louis Zoo**, University College, Washington University in St. Louis. *Instructor of record.*

Workshops Directed

2017 **Workshop Director**
GIS analysis in anthropology.
Department of Anthropology, San Diego State University

2017 **Workshop Director**
Spatial analysis for primatologists.
Department of Anthropology, San Diego State University

2012 **Workshop Co-Director**
The practical application of GPS and spatial analyses for field primatologists.
24th Congress of the International Primatological Society, Cancun, Mexico

2008 **Workshop Director**
Conservation, distribution, and taxonomy of primates in Guyana.
University of Guyana, Georgetown, Guyana

2007 **Workshop Director**
GPS and GIS for botanical sampling, and assessing wildlife abundance.
Conservation International – Guyana employees and local people from the villages of Rewa and Apoteri, Guyana

Advising and Mentorship

Grand Valley State University, Department of Anthropology

Student organizations

2017-2019 Faculty Advisor, Native American Student Association

2014-2017 Faculty Advisor, Anthropology Club

Undergraduate students

2022 **Matthew Kooyers, Certificate in Applied Anthropology**
Office anthropology: Ethnography of office use at Steelcase

2020 **Kyle Van Dusen, Internship**
Chimpanzee space use in response to visitors at the John Ball Zoo

2018 **Emily Kosnik, Independent Research Project**
*The effects of short- and medium-term high population density situations on captive spider monkeys (*Ateles fusciceps*)*

2017 **Zachary Jacobson, Independent Research Project**
*Behavioral variation across forest strata and foliage densities in mantled howler monkeys (*Alouatta palliata*). (Project Presented at the Midwest Primate Interest Group Regional Meetings)*

2016 **Charlotte Van Noort, Independent Research Project**
Effects of visitor density on chimpanzee behavior at the John Ball Zoo

2015 **Travis Saban, Internship**
Spatial relations of chimpanzees compared to visitor placement at the John Ball Zoo

2015 **Ashley Lewis, Independent Research Project**
Chimpanzee space use at the John Ball Zoo. (Project presented at Grand Valley Student

Scholars Day)

University of Missouri St. Louis, Department of Anthropology

2012 – 2014 **Director of Undergraduate Research**

In this role, my responsibilities included mentoring undergraduate anthropology students through independent research projects, honors theses, Fulbright applications, and independent studies. I was the primary advisor for 2 senior thesis projects, 3 independent studies (including one graduate student), one Fulbright application, and one internship.

Selected undergraduate research topics

2014 **Keith Biddle, Senior Thesis Project**

Variation in cranial morphology in a historic cemetery population and the usefulness of FORDISC for assessing ancestry

2014 **Maureen Bickham, Senior Thesis Project**

Reconstructing seashell trade networks in the Mississippian Southeast United States using GIS

2013 **Anna Isbell, Independent Research Project and Fulbright Application**

Textiles and the maintenance of cultural identity among the Karelian people in Finland (Awarded Alternate Status)

SERVICE

GVSU university service

2023-present Anthropology DEI committee member

2023-present Laker Impressions of Faculty Teaching (LIFT) Management committee member

2021-present Faculty Personnel Policy committee member

2016-present University GIS committee member

2021-2022 Faculty Facilities Planning Advisory committee member

2019-2020 Research and Development Committee member

2018 Academic Senate committee member

2016-2017 University Assessment committee member

Professional service

2018-present International Union for the Conservation of Nature – Species Survival Commission, Human-nonhuman primate subcommittee member

2016-present American Society of Primatologists Conservation committee member

Peer-reviewer

National Science Foundation, Conservation Biology, Conservation Science and Practice, Journal of Zoology, Ethology, American Journal of Physical Anthropology, American Journal of Primatology, International Journal Primatology, Primates, Biotropica, African Journal of Ecology

OTHER ACADEMIC APPOINTMENTS

2019-2021 **Affiliate**, Veterinary Population Medicine
College of Veterinary Medicine, University of Minnesota

2019 **Visiting Professor**, Veterinary Population Medicine
College of Veterinary Medicine, University of Minnesota

SKILLS

Languages: Guyanese Creole (fluent), Waiwai (proficient, spoken), Spanish (proficient, spoken)

Computer: ArcGIS, QGIS, ERDAS Imagine, ENVI, Google Earth Engine, EarthExplorer, Python, R, SPSS, HyperRESEARCH, Microsoft Office (PowerPoint, Access, Word, Excel)

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

Society for Conservation Biology

American Association of Physical Anthropologists

American Anthropological Association

American Society of Primatology

International Primatological Society

Pitheciine Action Group

REFERENCES

Russell Mittermeier, Chief Conservation Officer (Formerly President of Conservation International)

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San Diego State University

Email: epriley@sdsu.edu

Tiffany Wolf, Associate Professor

Department of Veterinary Population Medicine

College of Veterinary Medicine, University of Minnesota

Email: wolfx305@umn.edu