

Curriculum Vitae

CHRISTOPHER A. SHAFFER

Assistant Professor

Department of Anthropology, Grand Valley State University
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ACADEMIC APPOINTMENTS

- August 2014 – Present Assistant Professor of Biological Anthropology
Grand Valley State University
- August 2012 – August 2014 Visiting Assistant Professor of Anthropology,
Director of Undergraduate Research for the Department of
Anthropology, Sociology, and Languages
University of Missouri – St. Louis

EDUCATION

- May 2012 PhD. Biological Anthropology
Washington University in St. Louis, St. Louis, MO
Dissertation: Ranging behavior, group cohesiveness, and
patch use in northern bearded sakis (*Chiropotes sagulatus*)
in Guyana
Advisor - Robert Sussman
- May 2007 MA. Anthropology
Washington University in St. Louis, St. Louis, MO
- May 2002 BS. Summa cum Laude
Emory University, Atlanta, GA
Major: Anthropology and Human Biology
Thesis Advisor: Benjamin Freed

GRANTS

- 2016 \$19,950 National Geographic Committee for Research and
Exploration Grant: **PI**, co-PIs Marissa Milstein, Thomas
Gillespie, Karen Terio (For "Hunting sustainability and
zoonotic disease risk among indigenous Waiwai in the
Konashen Community Owned Conservation Area, Guyana)
- 2016 \$14,910 University of Minnesota Center for Animal Health
and Food Safety Veterinary Pioneers in Public Health Grant:
co-PI, PI Dominic Travis (For "Bushmeat hunting, protein
security and zoonotic disease risk among indigenous Waiwai

in the Konashen Community Owned Conservation Area, Guyana”)

- 2016 \$6,975 University of Minnesota Consortium on Law and Values in Health, Environment and the Life Sciences Research Award: **co-PI**, Marissa Milstein PI (For “A Mixed-Methods Study of Bushmeat Hunting and Zoonotic Disease Risk Among Indigenous Waiwai in the Konashen Community Owned Conservation Area, Guyana”)
- 2016 \$4,000 Conservation International Primate Action Fund Grant: **PI** (For “The sustainability of subsistence primate hunting among indigenous Waiwai in the Konashen Community Owned Conservation Area, Guyana”)
- 2015 \$5,000 American Association of Physical Anthropologists Professional Development Grant: **PI** (For “Ethnoprimateology of the Konashen Community Owned Conservation Area, Guyana”)
- 2015 \$2,000 International Primatological Society Conservation Grant and Community Conservation Initiative Award: **PI** (For “An ethnoprimateological approach to assessing the sustainability of Waiwai primate hunting in the Konashen Community Owned Conservation Area, Guyana”)
- 2015 \$6,000 Grand Valley State University Career Catalyst Grant: **PI** (For “An ethnoprimateological approach to assessing the sustainability of Waiwai primate hunting in the Konashen Community Owned Conservation Area, Guyana”)
- 2009 \$11,995 National Science Foundation Dissertation Improvement Grant #0648678 **PI** (For “Ranging behavior, group cohesiveness, and patch use of northern bearded sakis [*Chiropotes sagulatus*] in Guyana”)
- 2008 \$2,000 Lambda Alpha Small Research Grant: **PI** (For “Ranging behavior, group cohesiveness, and patch use of northern bearded sakis [*Chiropotes sagulatus*] in Guyana”)
- 2005 \$5,000 Washington University Department of Anthropology Summer Research Grant: **PI** (For “Survey of primates in Central and Southern Guyana”)
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AWARDS

- 2014 Nominee for University of Missouri – St. Louis Last Lecture for excellence in the classroom
- 2012 \$700 University of Missouri–St. Louis Innovation Teaching Grant: PI
- 2012 Sherwood Washburn Award for most outstanding student presentation, 81st Meeting of the American Association of Physical Anthropologists
- 2011 Washington University Dissertation Fellowship
- 2003 Washington University Graduate Student Fellowship

PUBLICATIONS

Peer – reviewed Journal Articles

- Milstein, M.S., **Shaffer, C.A.**, Gillespie, T.R., Terio, K.A., Wolf, T.M., and Travis, D. (In Revision). “Veterinary Anthropology”: Opportunities for cross-disciplinary contributions to the One Health framework. *Ecohealth*.
- Flachs, A., Stone, G.D., **Shaffer, C.A.** (In Press). Mapping Knowledge: GIS as a Tool for Spatial Modeling of Patterns of Warangal Cotton Seed Popularity and Farmer Decision-Making. *Human Ecology*.
- Shaffer, C.A.**, Milstein, M.S., Yukuma, C., Marawanaru, E., and Suse, P. (2017). Assessing the sustainability of Waiwai subsistence hunting in Guyana with implications for co-management in Amazonian indigenous reserves. *Conservation Biology*. doi: 10.1111/cobi.12891
- 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.
- 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 cuxíus (genus *Chiropotes*). *American Journal of Primatology* 78: 583-597.
- 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.
- Shaffer, C.A.** (2014). Spatial foraging in free-ranging bearded sakis: Lévy Walkers or traveling salesmen? *American Journal of Primatology* 72: 472-484.
- 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.
- Shaffer, C.A.** (2013a). 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.
- Shaffer, C.A.** (2013b). Feeding ecology of bearded sakis (*Chiropotes sagulatus*) in Guyana. *American Journal of Primatology* 75: 568-580.
- Shaffer, C.A.** (2013c). Ecological correlates of ranging behavior of northern bearded sakis (*Chiropotes sagulatus*) in a continuous forest in Guyana. *International Journal of Primatology* 34: 515-532.
- Shaffer, C.A.** (2013d). Activity patterns, intergroup encounters, and male affiliation in free-ranging bearded sakis (*Chiropotes sagulatus*). *International Journal of Primatology* 34: 1190-1208.
- 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**
- Shaffer, C.A.**, Marawanaru, E., Yukuma, C. (In Press). 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. *Ethnoprimatology: A Practical Guide to Research on the Human-Nonhuman Primate Interface*. Cambridge University Press.
- Shaffer, C.A.**, Wright, B.A., and Wright, K. (In Press). 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.
- 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. (In Press). 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.
- Shaffer, C.A.** (In Press). The Pitheciinae. In Fuentes, A., et al. (eds.). *The International Encyclopedia of Primatology*. Wiley-Blackwell.
- Shaffer, C.A.** (In Press). GPS/GIS. In Fuentes, A., et al. (eds.). *The International Encyclopedia of Primatology*. Wiley-Blackwell.
- Shaffer, C.A.** (In Revision). Quantifying primate resource dispersion with GIS: What is a patch? In Shaffer, C.A., Dolins, F., Hickey, J., Porter, L., and Nibbelink, N. *GPS and GIS in Primatology: A Practical Guide to Spatial Analysis for Primatologists*. Cambridge University Press.
- Shaffer, C.A.** (In Review). The Pitheciines: Platyrrhine Seed Predators. In R.W. Sussman (ed.). *Primate Ecology and Social Structure*. 2nd Edition. Westview Press.
- Asmore, P., Hart, D., and **Shaffer, C.A.** (In Review). The behavior and ecology of Macaques: A study in plasticity. In R.W. Sussman (ed.). *Primate Ecology and Social Structure*. 2nd Edition. Westview Press.
- 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.
- Shaffer, C.A.** (Under Contract). Subsistence hunting in South America: The influence of human hunting on the structure of Amazonian primate communities past, present, and future. In Behie, A.M., Teichroeb, J.A.,

and Malone, N. (eds.), *Primate Research and Conservation in the Anthropocene*. Cambridge University Press.

Volumes Edited

Shaffer, C.A., Dolins, F., Hickey, J., Porter, L., and Nibbelink, N. (Under Contract) *GPS and GIS in primatology. A Practical Guide to Spatial Analysis for Primatologists*. Cambridge: Cambridge University Press.

PRESENTATIONS AT PROFESSIONAL CONFERENCES

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.

Milstein, M.S., **Shaffer, C.A.**, Suse, P., Yukuma, C., Gillespie, T.R., Terio, K.A., Wolf, T.M., and Travis, D.M. (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.

Shaffer, C.A. (2016). What is a patch? Quantifying resource dispersion in primate studies. [Abstract] *American Journal of Physical Anthropology* 159 Suppl. 62: 111.

Shaffer, C.A. (2015). Mixed-species associations in Guianan bearded sakis (*Chiropotes sagulatus*) in Guyana. [Abstract] *American Journal of Physical Anthropology* 156 Suppl. 60: 284-285

Shaffer, C.A., and Flachs, A. (2014). GIS as a tool for spatial modeling of cotton seed fads in Telangana, India. 113th Meeting of the American Anthropological Association.

Shaffer, C.A. (2014). 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.

Shaffer, C.A. (2013). Ranging behavior and habitat use of bearded sakis: why so wide ranging? [Abstract] *American Journal of Primatology* Suppl. 75: 94.

Shaffer, C.A. (2012). 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.

Shaffer, C.A. (2011). 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.

Shaffer, C.A. (2006). A preliminary survey of the primates in the Upper Essequibo Conservation Concession, Guyana. [Abstract] *American Journal of Physical Anthropology* Suppl. 42: 163.

Shaffer, C.A., and Sussman, R. W. (2005). Activity budget and feeding ecology of *Macaca fascicularis* in Mauritius. [Abstract] *American Journal of Physical Anthropology* Suppl. 40: 188.

Shaffer, C.A. (2004). Foraging, ranging, and spatial memory in the mantled howler monkey (*Alouatta palliata*). [Abstract] *American Journal of Physical Anthropology* Suppl. 38: 179.

TEACHING

Courses Taught – Grand Valley State University

ANT 206: Human Origins (Fall & Spring 2014 – 2016)
ANT 305: Methods in Biological Anthropology (Fall 2016)
ANT 340: Culture and Environment (Spring 2015 – 2016)
ANT 313: Primate Behavior and Ecology (Fall 2015)
ANT 380: Human Variation (Spring 2016)

Courses Taught – University of Missouri – St. Louis

Anthro 4160: GIS in Anthropology (Spring 2013 – 2014)
Anthro 3019: Current Topics in Anthropology: Human Ecology (Spring 2014)
Anthro 2105: Human Variation (Spring 2013 – 2014)
Anthro 1025: World Cultures (Fall & Spring 2012 – 2013)
Anthro 1005: Introduction to Biological Anthropology with lab (Fall 2012 – 2013)

Courses Taught – University College, Washington University in St. Louis

Anthro 3665: Observing Animal Behavior at the St. Louis Zoo (Summer 2012)

**Director of Undergraduate Research, Department of Anthropology,
University of Missouri – St. Louis**

August 2012 – May 2014

Invited Lectures

- Spring 2016 Shared Space: The Human-nonhuman primate interface in Amazonia
Anthropology Colloquium, San Diego State University, San Diego
- Fall 2015 Shared Space: Mutual Ecologies and Social Lives of Indigenous Waiwai and Nonhuman Primates in Southern Guyana
Anthropology Colloquium, University of Michigan, Ann Arbor
- Spring 2014 Rainforest foragers: The behavioral ecology of primates and humans in Guyana
Biology Seminar Series, Rhodes University, Memphis, TN
- Fall 2013 The zoonotic origin of HIV
The AIDS Epidemic, Washington University in St. Louis, MO
- Spring 2013 What to eat? Food choice in people and primates
Jubilee Series, University of Missouri – St. Louis, MO
- Spring 2013 Race, a biological anthropology perspective
Disagreement, Difference & Diversity, University of Missouri – St. Louis, MO
- Spring 2012 How to conduct a long-term primate study
Primate Behavioral Ecology, St. Louis University, MO
- Spring 2008 Ecology of the Upper Essequibo Conservation Concession with emphasis on the primates
Conservation International, Guyana, Georgetown, Guyana

SERVICE

Professional Service

Committee Member – American Society of Primatologists, Conservation Committee

Fall 2015 – Present

Manuscript Reviews – American Journal of Physical Anthropology, American Journal of Primatology, Ethology

University Service

Committee Member – GVSU University Assessment Committee

Fall 2016

Departmental Service

Faculty Advisor – GVSU Anthropology Club

Fall 2014 – Present

Faculty Advisor – UMSL Sustainability Organization

Fall 2013 – Spring 2014

Workshops Directed

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| Spring 2016 | Workshop Director
GPS and GIS applications for field primatologists
Department of Anthropology, San Diego State University |
| Summer 2012 | Workshop Co-Director (with Francine Dolins, Jena Hickey, Nathan Nibbelink, and Leila Porter)
The practical application of GPS and spatial analyses for field primatologists
24 th Congress of the International Primatological Society, Cancun, Mexico |
| August 2008 | Workshop Director
The conservation, distribution, and taxonomy of the primates of Guyana
Students from the University of Guyana, Georgetown, Guyana |
| December 2007 | Workshop Director
Methods for observing animal behavior, botanical sampling, and assessing population abundance.
Conservation International – Guyana employees and local people from the villages of Rewa and Apoteri, Guyana |

Community Outreach

Public Lectures

Spring 2016 Indigenous weapon technology of the Americas

Michigan Archaeological Society, Coffinberry Chapter,
Grand Rapids, MI

Spring 2015 Munching on Monkeys: The sustainability of Waiwai
subsistence hunting
Science on Tap, Grand Rapids, MI

Membership in Professional Organizations

American Association of Physical Anthropologists, American Anthropological
Association, American Society of Primatology, International Primatological
Society, Pitheciine Action Group