

Sagan Friant, PhD

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Education

- 2008 – 2016 **PhD Environment & Resources**
Nelson Institute for Environmental Studies
University of Wisconsin- Madison
- 2006 – 2007 **MSc¹ Primate Conservation**
Department of Social Sciences
Oxford Brookes University, UK
- 2002 – 2006 **BA Anthropology & Biological Aspects of Conservation**
University of Wisconsin- Madison

Academic Appointments

- 2019 **Assistant Professor**
Department of Anthropology &
Huck Institutes of the Life Sciences
Affiliations: Center for Infectious Disease Dynamics
- 2018 – 2019 **Honorary Research Fellow**
Calabar Institute of Tropical Disease Research and Prevention, University of Calabar
Teaching Hospital
- 2018 **Assistant Research Professor**
Huck Institutes of the Life Sciences
Pennsylvania State University
Affiliations: Department of Anthropology & Center for Infection Disease Dynamics
- 2016 – 2018 **National Science Foundation Postdoctoral Fellow, Directorate for Social, Behavioral
& Economic Sciences**
Department of Anthropology, Hunter College, City University of New York
Affiliations: New York Consortium in Evolutionary Primatology
Honorary Research Associate
Department of Pathobiological Sciences, School of Veterinary Medicine at University of
Wisconsin - Madison
- 2017 & 2012 **Visiting Lecturer**
Department of Forestry and Wildlife Resource Management
University of Calabar, Nigeria

Grants

- 2018 Professional Staff Congress, City University of New York (PSC-CUNY) Research Award (co-PI; \$6,000)
- 2016 – 2018 Postdoctoral Research Fellowship, National Science Foundation SMA#1604902 (\$224,640)
- 2017 Alumni TIES Small Grant, U.S. Department of State Bureau of Educational and Cultural Affairs (\$10,000)
- 2016 Primate Conservation Inc. (\$1,620)
- 2014 – 2016 Parasitology and Vector Biology T32 Training Grant, National Institutes for Health (\$22,000/year)
- 2013 – 2016 Kohler Fellow at Wisconsin Institutes for Discovery (\$1,500/semester)
- 2014 National Science Foundation Doctoral Dissertation Improvement Grant IOS #1403861 (\$13,000)
- 2011 Fulbright Institute of International Education Scholarship (\$21,500)
- 2010 Graduate Women in Science Ruth Dickie Scholarship (\$1,500)
- 2010 John Ball Zoological Society Wildlife Conservation Grant Award (\$2,000)
- 2010 Robert Wood Johnson Health Foundation Dissertation Grant (\$6,000)
- 2008 Honorable Mention, National Science Foundation Graduate Research Fellowship Program
- 2007 International Primate Society Captive Care Grant (\$1,500)
- 2005 Primate Society of Great Britain, Captive Care Working Party (£650.00)
- 2005 Hilldale Undergraduate Research Award (\$5,000)
- 2002 – 2004 UW Alumni Club of San Diego Scholarship (\$3,000/yr)
- 2002 California Retired Teachers Association Scholarship (\$1,000)
- 2002 Soroptimist International of San Diego Scholarship (\$1,000)
- 2002 Pacific Women's Sport Foundation Scholarship (\$500)

Publications

Hyeroba, D, **Friant, S**, Acon, J, Okwee-Acai, J, & Goldberg, TL. 2017. Health and demography in “village dogs” in rural Western Uganda. *Preventative Veterinary Medicine* 137:24-27.

Paige SB, **Friant S**, Clech L, Malavé C, Kemigabo C, Obeti R, Goldberg TL. 2016. Combining Footwear with Public Health Iconography to Prevent Soil-Transmitted Helminth Infections. *The American Journal of Tropical Medicine and Hygiene*:15–0910. ***joint first author**

Chapman CA, **Friant S**, Godfrey K, Liu C, Sakar D, Schoof VAM, Sengupta R, Twinomugisha D, Valenta K, Goldberg TL. 2016. Social behaviours and networks of vervet monkeys are influenced by gastrointestinal parasites. *PLOS ONE* 11:e0161113.

Friant S, Ziegler TE, Goldberg TL. 2016b. Changes in physiological stress and behaviour in semi-free-ranging red-capped mangabeys (*Cercocebus torquatus*) following antiparasitic treatment. *Proc. R. Soc. B* 283:20161201.

Friant S, Ziegler TE, Goldberg TL. 2016a. Primate reinfection with gastrointestinal parasites: behavioural and physiological predictors of parasite acquisition. *Animal Behaviour* 117:105–113.

Friant S, Brown K, Saari MT, Segel NH, Slezak J, Goldberg TL. 2015a. Lung fluke (*Paragonimus africanus*) infects Nigerian red-capped mangabeys and causes respiratory disease. *International Journal for Parasitology: Parasites and Wildlife* 4:329–332.

Friant S, Paige SB, Goldberg TL. 2015b. Drivers of bushmeat hunting and perceptions of zoonoses in Nigerian hunting communities. *PLoS Neglected Tropical Diseases* 9.

Svensson M, **Friant S**. 2014. Threats from trading and hunting of pottos and angwantibos in Africa resemble those faced by slow lorises in Asia. *Endangered Species Research* 23:107–114.

Friant SC, Campbell MW, Snowdon CT. 2008. Captive-born cotton-top tamarins (*Saguinus oedipus*) respond similarly to vocalizations of predators and sympatric nonpredators. *American Journal of Primatology* 70:707–710.

Presentations

Conference and symposium presentations

Friant, S., 2019. *Biosocial Dimensions of Human Contact With Potential Hemorrhagic Fever Virus Reservoirs Through The Bushmeat Trade In Nigeria*. Lassa Fever International Conference, Abuja, Nigeria.

Friant, S., Alawa, C.B.I, Goldberg, T.L, Jacka, JK, Ogar, D.A, Rothman, J.M. 2018. *Barriers to zoonotic disease prevention in communities that hunt bushmeat in West Africa*. 67th American Society and Tropical Medicine and Hygiene Annual Meeting, New Orleans, LA.

Friant, S., Alawa, C.B.I, Goldberg, T.L, Jacka, JK, Ogar, D.A, Rothman, J.M. 2018. *Planetary Health at the Human-Wildlife Interface: Interactions between nutrition, culture and infectious disease transmission in Nigerian Bushmeat Hunting Communities*. Annual Planetary Health Meeting, Edinburgh, Scotland.

Friant, S., Alawa, C.B.I, Goldberg, T.L, Jacka, JK, Ogar, D.A, Rothman, J.M. 2018. *Research for Sustainable Development in a Biodiversity Hotspot: Interactions between nutrition, culture and infectious disease transmission in Nigerian Bushmeat Hunting Communities*. 14th Annual Conference of the Fulbright Alumni Association of Nigeria, Calabar, Nigeria.

Friant, S., Alawa, C.B.I, Goldberg, T.L, Jacka, JK, Ogar, D.A, Rothman, J.M. *Biocultural drivers of bushmeat hunting in Southeast Nigeria: Implications for Nutrition and Infectious Disease Syndemics*
2018 Annual meeting of the American Association of Physical Anthropologists, Austin, TX
2018 Global Health Symposium, Madison, WI

Friant, S., Goldberg, T.L. 2016. *People, primates, and pathogens: shared infections in changing Environments in Nigeria*. Joint meeting of the International Primatological Society and the American Society of Primatologists, Chicago, IL.

Friant, S., Goldberg, T.L. 2015. *Sylvatic reservoirs of Paragonimus africanus in Nigeria and clinical consequences for wild primates*. Annual Meeting of the American Society of Tropical Medicine and Hygiene, Philadelphia, PA.

Friant, S., Goldberg, T.L. 2015. *Vulnerability to new infections in Nigerian red-capped mangabeys*. 84th Annual meeting of the American Association of Physical Anthropologists, St Louis, MO.

Friant, S., Goldberg, T.L. 2015. *Vulnerability to zoonotic pathogens in Nigerian primates and people*. 9th annual Nelson Institute Earth Day Conference, Madison, WI

Friant, S., Paige, S.B., Goldberg, T.L. 2014. *Risk Factors for Human Exposure to Wildlife Zoonoses in Nigerian Hunting Communities*. Annual Meeting of the American Society of Tropical Medicine and Hygiene, New Orleans, LA.

Friant, S., Goldberg, T.L. 2014. *Primate Hunting and Perceptions of Zoonoses in Nigerian Hunting Communities*. Annual Meeting of the Midwest Primate Interest Group, Madison, WI.

Friant, S., Goldberg, T.L. 2014. *Bushmeat trade in Cross River State, Nigeria: Pathways for zoonotic disease exposure*. EcoHealth, Montreal QC.

Friant, S., Goldberg, T.L. 2014. *Drivers of bushmeat hunting in Nigeria*. 9th annual Nelson Institute Earth Day Conference, UW – Madison

Friant, S., Goldberg, T.L. *The bushmeat trade and zoonotic disease exposure in rural West Africa*.
2015 7th Africa's Changing Face of Development Symposium, University of Wisconsin, Madison, WI

2014 Global Health Institute, University of Wisconsin, Madison, WI

2014 School of Veterinary Medicine, Phi Zeta Research Day, University of Wisconsin-Madison

Baker, L. R., Friant, S.C, Tooze, Z. 2008. *Reintroduction as a technique to restore ecological communities and improve regional conservation*. Reintroduction Congress, Lincoln Park Zoo.

Friant, S.C. and Tooze, Z. 2007. *An investigation of gastrointestinal parasites in captive and semi captive cercopithecine primates of Southern Nigeria*. International Primate Society Congress, Edinburgh, UK

Friant, S. C and Anderson, A. 2006. *Juvenile participation in the duets of Gabriella's Crested Gibbon (Nomascus gabriellae). The influence of cheetah (Acinonyx jubatus) vocalizations on their breeding behavior*. Zoological Society of San Diego Summer Fellowship Symposium

Friant, S. C, Campbell, M. C, Snowdon, C. T. 2006. *The response of captive born cotton-top tamarins (Saguinus oedipus) to predator vocalizations*. Undergraduate Research Symposium, UW – Madison

Friant, S. C. 2005. *White-faced monkey (Cebus capucinus) reliance on tank bromeliads at varying altitudes in Monteverde's Cloud Forest, Costa Rica*. Council of International Education Exchange Student Research Colloquium, Costa Rica

Friant, S. C. and Snowdon, C. T. 2004. *The social transmission of stick weaving behavior in cotton-top tamarins (Saguinus oedipus)*. Undergraduate Research Symposium, UW – Madison

Teaching

2014 *Reader/ Grader*, Tropical Ecology (Zoology 400), UW – Madison

2013 – 2014 *Reader/ Grader*, Human Animal Relationships (Zoology 335), UW – Madison

2009 – 2013 *Teaching Assistant*, Introduction to Animal Biology Lab (Zoology 102), UW – Madison

2008 – 2009 *Teaching Assistant*, Introduction to Anthropology (Anthropology 100), UW – Madison

2008 *Course Leader*, Field course in Tropical Ecology and Conservation, University of Calabar, Nigeria and CERCOPAN

Awards

2010 Honored Instructor Award (University Housing, UW – Madison)

Invited Lectures and Seminars

Invited Seminars

2018 Parasitology and Vector Biology Seminar Series, University of Wisconsin - Madison

2016 Faculty of Veterinary Medicine, *University of Abuja, Nigeria*

2016 Department of Anthropology, *Hunter College of the City University of New York*

- 2014 – 2016 Parasitology and Vector Biology Seminar Series, *UW – Madison*
 2012 Centre for Control and Prevention of Zoonoses, *University of Ibadan, Nigeria*
 2014 Food Research Institute, *UW – Madison*
 2013 Nelson Institute for Environmental Studies Seminar Series, *UW – Madison*
 2013 Pathobiological Sciences Seminar Series, *School of Veterinary Medicine, UW – Madison*
 2007 Primate Conservation Seminar Series, *Oxford Brookes University, United Kingdom*

Invited Guest Lectures

- 2017 Primate Disease Ecology, *Hunter College, CUNY*
 2017 Extinction of Species (Environmental Studies/ Forest & Wildlife Ecology/ Zoology 360), *UW – Madison*
 2014 – 2017 Applied Epidemiology and Quantitative Methods for Population Health (Medical Sciences/ Veterinary Medicine 675), *UW – Madison*
 2015 – 2017 Conservation Biology (Environmental Studies/ Forest & Wildlife Ecology/ Zoology 651), *UW – Madison*
 2016 One Health (Pathobiological Sciences 375), *UW – Madison*
 2016 Wildlife Diseases (Forest & Wildlife Ecology/ Surgical Sciences 548), *UW – Madison*
 2015 – 2016 Primate Conservation (Anthropology 668), *UW – Madison*
 2011 – 2015 Primates and Us: Insights into Human Biology and Behavior (Psychology 450), *UW – Madison*
 2015 Introduction to Graduate Ecology Research at UW-Madison (Forest & Wildlife Ecology/ Geography/ Zoology 953), *UW – Madison*
 2011 Field course in Tropical Biology, *Cross River University of Technology, Nigeria*
 2008 Primates in Ecological Communities (Anthropology 658), *UW – Madison*
 2008 Introduction to Biological Anthropology (Anthropology 105), *UW – Madison*

Mentoring Activities

Postdoctoral fellows

- 2019 Metrey Tiv, MD – Physician specialized in Public Health and Global Health

Undergraduate students

- 2017 Corrigan Shea – volunteer, conservation biology and pre-law, *UW – Madison*
 2015 Mengyao Niu – independent study, biochemistry and global health, *UW – Madison*
 Cesar Gutiérrez – independent study, biology/zoology and pre-vet, *UW – Madison*
 Quinn Mallery – independent study, economics and pre-med, *UW – Madison*
 Julia Purnell – independent study, animal science major and pre-vet, *UW – Madison*
 Ryan Fuglestad – independent study, biology/zoology and pre-med, *UW – Madison*
 2013 – 2015 Carly Malave – independent study, medical microbiology and immunology, African studies and global health, *UW – Madison*
 Nick Segel – independent study, biology/zoology major and pre-med, *UW – Madison*
 2013 – 2014 Kelsey Brown – capstone, microbiology and pre-vet, *UW – Madison*
 Mason Saari – independent study, biology/zoology major and pre-vet, *UW – Madison*
 Julia Slezak – independent study, microbiology major and pre-vet, *UW – Madison*

International students

- 2016 – 2019 Wilfred Ayambem – research assistant, MSc in Department of Forestry and Wildlife Resource Management, *University of Calabar, Calabar, Nigeria*
 Alobi Alobi – research assistant, MSc in Department of Forestry and Wildlife Resource Management, *University of Calabar, Calabar, Nigeria*
 Paschal Oshen – research assistant, MSc in Department of Forestry and Wildlife Resource Management, *University of Calabar, Calabar, Nigeria*
 Oshama Otukpa – research assistant, Department of Environmental Education, *University of Calabar, Calabar, Nigeria*

- 2012 Michael Ifebueme – research assistant, MSc in Department of Forestry and Wildlife Resource Management, University of Calabar, Calabar, Nigeria
 Festus Onajde – research assistant, MSc in Ecology and Environmental Biology, University of Ibadan, Nigeria
 Rosemary Gbegbaje – research assistant, MSc in Conservation Biology, University of Jos, Plateau-State, Nigeria

Mentoring programs

- 2010 – 2015 Ronald E. McNair Post Baccalaureate Achievement Mentor
 2010 – 2012 Undergraduate Mentor Program, Department of Anthropology
 2002 – 2003 Even Start Family Literacy Program, Head Start

Research positions and activities

- 2015 – 2019 Science and Technical Advisory Board, *Ebola Survivor Corps, HDCP (Health: Dialogue, Creativity and Practice, LTD)*
 2014 Research Assistant, *Department of Pathobiological Sciences, School of Veterinary Medicine, UW – Madison*
 2015 – 2016 Outreach Scholar, *African Studies Department, UW – Madison*
 2013 – 2016 Kohler Fellow, *Wisconsin Institute for Discovery, UW – Madison*
 2013 – 2016 Earth Day Conference Volunteer, *Nelson Institute for Environmental Studies, UW – Madison*
 2013 – 2015 Student Representative, *Environment & Resources PhD Program, UW – Madison*
 2008 Research Officer, *Centre for Education, Research, and Conservation of Primates and Nature (CERCOPAN), Cross River State, Nigeria*
 2006 – 2007 International Student Representative
 Speakers Committee Member: Primate Conservation Seminar Series
Canopy Editor: Journal of Primate Conservation
Primate conservation MSc program, Oxford Brookes University
 2006 Student Research Fellow, *Behavioral Biology Division, San Diego Zoological Society - Center of Research for Endangered Species*
 2003 – 2006 Research Assistant, *Snowdon Callitrichid Laboratory, UW – Madison*

Workshops & Skills Training

- 2018 WHO Global Outbreak Alert and Response Network (GOARN) Research Meeting on Lassa Fever Community Transmission Project in Nigeria, Abuja, Nigeria
 2018 Social Science Preparedness for Lassa Fever Workshop, Abuja, Nigeria
 2017 Illicit Networks: Preventing and Combatting Trafficking, *U.S. Alumni Thematic International Exchange Seminar, Bureau of Educational and Cultural Affairs of the U.S. Department of State, Washington D.C.*
 2016 Data Carpentry Workshop, *Advanced Computing Initiative, UW - Madison*
 2016 Software Carpentry Workshop, *Advanced Computing Initiative, UW - Madison*
 2016 Mixed Models in R using lme4, *Social Science Computing Cooperative, University of Wisconsin – Madison*
 2015 Human Subjects Research with Vulnerable Populations, *Integrating Research Ethics and Scholarship (IRES) program, University of Wisconsin-Madison*
 2015 Qualitative and Mixed Methods Research Training, *University of Manchester, Manchester, UK*
 2015 Dissemination and Implementation Short Course, *Institute for Clinical and Translational Research. University of Wisconsin, Madison*
 2015 Illumina MiSeq Training, *Department of Pathobiological Sciences, School of Veterinary Medicine, University of Wisconsin, Madison*

- 2014 Navigating International Research Projects, *Integrating Research Ethics and Scholarship (IRES) program, University of Wisconsin-Madison*
- 2011 Microbial community fingerprinting (DNA extraction from feces, PCR, Automated Ribosomal Intergenic Spacer Analysis (ARISA)), as part of:
McCord, A. I. et al. 2014. Fecal microbiomes of non-human primates in Western Uganda reveal species-specific communities largely resistant to habitat perturbation. American Journal of Primatology 76:347–354.
- 2008 Molecular epidemiology (PCR), as part of:
Salyer, S. J., T. R. Gillespie, I. B. Rwego, C. A. Chapman, and T. L. Goldberg. 2012. Epidemiology and molecular relationships of Cryptosporidium spp. in people, primates, and livestock from Western Uganda. PLoS Neglected Tropical Diseases 6:e1597.
- 2007 Laboratory diagnosis of gastrointestinal parasites (fecal floatation, fecal sedimentation, microscopy), *London School of Tropical Medicine and Hygiene*