



Duke Lemur Center

James P. Herrera, Program Coordinator
3705 Erwin Road
Durham, NC 27705-5000

Phone: (786) 546-8432
Fax: (919) 490-5394
Email: james.herrera@duke.edu

Education

- 2015 Stony Brook University, Stony Brook, NY.
 Ph.D., Anthropological Sciences (Physical Anthropology)
- 2009 University of Miami, Coral Gables, FL.
 B.A., Anthropology (Biology minor)

Academic Appointments

- 2019-present Research Scientist, Program Coordinator
 Duke Lemur Center SAVA Conservation, Duke University, NC.
- 2018-2019 Assistant Director, Triangle Center for Evolutionary Medicine, Duke
 University, NC.
- 2017-2019 Postdoctoral Associate, Department of Evolutionary Anthropology,
 Duke University, NC. Supervisor: Charles L. Nunn.
- 2017-present Research Associate, Department of Mammalogy, Division of
 Vertebrate Zoology, American Museum of Natural History, NY.
- 2015-2017 Gerstner Scholar Postdoctoral Research Fellow, Richard Gilder
 Graduate School, Department of Mammalogy and Division of
 Vertebrate Paleontology, American Museum of Natural History, NY.
 Supervisors: John J. Flynn, Nancy B. Simmons.
- 2010-2013 National Science Foundation Graduate Research Fellow. Stony Brook
 University, NY. Advisor: Patricia C. Wright.

Peer-reviewed Publications

Herrera, J. P., Moody, J., & Nunn, C. L. (2023). Predicting primate-parasite interactions using exponential random graphs models. *Journal of Animal Ecology*.

DeSisto, C., & **Herrera, J. P.** (2022). Drivers and consequences of structure in plant–lemur ecological networks. *Journal of Animal Ecology*, 91(10), 2010-2022.

RANAIVOSON, T. N., **Herrera, J. P.**, ... & Goodman, S. M. (2022). La variation morphologique de *Rattus rattus* Linnaeus, 1758 (Rodentia: Muridae) dans les habitats forestiers et anthropisés du bassin-versant nord-est de Madagascar. *Bulletin de la Société Zoologique de France*, volume 147(3), 129-141

Kauffman, K., ... **Herrera, J. P.**, ... & Nunn, C. (2022). Comparing transmission potential networks based on social network surveys, close contacts and environmental overlap in rural Madagascar. *Journal of The Royal Society Interface*, 19(186), 20210690.

- Herrera, J. P.**, Moody, J., & Nunn, C. L. (2021). Predictions of primate–parasite coextinction. *Philosophical Transactions of the Royal Society B*, 376(1837), 20200355.
- Herrera, J. P.**, ... & Kramer, R. A. (2021). Food insecurity related to agricultural practices and household characteristics in rural communities of northeast Madagascar. *Food Security*, 1-13.
- Herrera, J.P.**, ... & Nunn, C.L., (2020). Effects of land use, habitat characteristics, and small mammal community composition on *Leptospira* prevalence in northeast Madagascar. *PLoS Neglected Tropical Diseases*, 14(12), p.e0008946.
- Herrera, J.P.** (2020). Convergent evolution in lemur environmental niches. *Journal of Biogeography*. <https://doi.org/10.1111/jbi.13741>
- Herrera, J.P.** and Nunn, C.L. (2019). Behavioral ecology and infectious disease: implications for conservation of biodiversity. *Philosophical Transactions of the Royal Society B*. 374(1781), 20180054.
- Herrera, J.P.**, Chakraborty, D., Rushmore, J., Altizer, S., Nunn, C.L. (2019). The changing ecology of primate parasites: insights from captive-wild comparisons. *American Journal of Primatology*. 81(7), e22991.
- Jacobs, R. L., ... **Herrera, J. P.**, ... Bradley, B. J. (2019). Less is more: lemurs (*Eulemur* spp.) may benefit from loss of trichromatic vision. *Behavioral Ecology and Sociobiology*, 73(2), 22. doi:10.1007/s00265-018-2629-9.
- Herrera, J.P.**, Duncan, N., Clare, E., Fenton, B., Simmons, N.B. (2018). Disassembly of fragmented bat communities in Orange Walk District, Belize. *Acta Chiropterologica* 20: 147-159.
- Herrera, J.P.**, Borgerson, C., Tongasoa, L., Andriamahazoarivosoa, P., Rasolofoniaina, B.J.R., Rakotondrafarasata, E.R., Randrianasolo, J.L.R.R., Johnson, S.E., Wright, P.C., Golden, C.D. (2018). Estimating the population size of lemurs based on their mutualistic food trees. *Journal of Biogeography*. 45: 2546-2563. DOI: [10.1111/jbi.13409](https://doi.org/10.1111/jbi.13409)
- Brook, C., **Herrera, J.P.**, Borgerson, C., Fuller, E., Andriamahazoarivosoa, P., Rasolofsoniaina, B. J. R., Randrianasolo, J. L. R. R., Rakotondrafarasata, Z. R. E., Randriamady, H. J., Dobson, A., Golden, C. (2018). Population viability and harvest sustainability for Madagascar lemurs. *Conservation Biology*. DOI: [10.1111/cobi.13151](https://doi.org/10.1111/cobi.13151)
- Ragazzo, L. J., Zohdy, S., Velonabison, M., **Herrera, J.**, Wright, P.C., Gillespie, T.R. (2018). *Entamoeba histolytica* detected in three lemur species living in areas with high human foot traffic in Ranomafana, Madagascar. *Veterinary Parasitology*. 249:98-101.
- Sterling, E.J., Filardi, C., Newell, J. ... **Herrera, J.**, ... Jupiter, S. (2017). Biocultural approaches to well-being and sustainability indicators across scales. *Nature Ecology and Evolution*. DOI: 10.1038/s41559-017-0349-6.
- Herrera, J.P.** (2017). Primate diversification inferred from phylogenies and fossils. *Evolution*. 71:2845-2857. DOI: 10.1111/evo.13366.

Herrera, J.P. (2017). The effects of biogeography and biotic interactions on lemurs of Madagascar. *International Journal of Primatology*. 38:692-716. DOI: 10.1007/s10764-017-9974-9.

Herrera, J.P. (2017). Prioritizing protected areas in Madagascar for lemur diversity using a multidimensional perspective. *Biological Conservation*. 207:1-8. DOI: 10.1016/j.biocon.2016.12.028.

Herrera, J.P. (2017). Testing the adaptive radiation hypothesis for lemurs on Madagascar. *Royal Society Open Science*. 4: 161014. DOI: 10.1098/rsos.161014.

Hudson, L. N., Newbold, T., Contu, S., Hill S. L. L., Lysenko, I., De Palma A., ... **J. P. Herrera**, ... Purvis, A. (2017). The database of the PREDICTS (Projecting Responses of Ecological Diversity In Changing Terrestrial Systems) project. *Ecology and Evolution*. 7: 145-188. DOI: 10.1002/ece3.2579.

Herrera, J.P. (2016). Interactions between plants and primates shape community diversity in a rainforest in Madagascar. *Journal of Animal Ecology*. 85:982-993. DOI: 10.1111/1365-2656.12532.

Herrera, J.P. and Dávalos, L. (2016). Phylogeny and divergence times of lemurs inferred with recent and ancient fossils in the tree. *Systematic Biology*. 65:772-791. DOI: 10.1093/sysbio/syw035.

Kamilar, J., Muldoon, K., Lehman, S.M., **Herrera, J.P.** (2012). Testing Bergmann's rule and the resource seasonality hypothesis in Malagasy primates using GIS-based climate data. *American Journal of Physical Anthropology*. 147:401-408. DOI: 10.1002/ajpa.22002

Herrera, J.P., Wright, P.C., Lauterbur, M.E., Ratovonjanahary, L. (2011). The effects of habitat disturbance on lemurs at Ranomafana National Park, southeast Madagascar. *International Journal of Primatology*. **32**: 1091-1108. DOI: 10.1007/s10764-011-9525-8

Contributed book chapters

Loudon, J.E., Patel, E.R., Faulkner, C., Schopler, R., Kramer, R.A., Williams, C.V., **Herrera, J.P.** (2017). An ethnoprimateological assessment of human impact on the parasite ecology of silky sifaka (*Propithecus candidus*). In: Ethnoprimateology. Fuentes, A.G., Riley, E.P., (eds). Pgs 89 – 110.

Herrera, J.P., Tongaso, L., Wright, P.C. (2016). Contact zones and sympatric species of dwarf lemurs (Genus *Cheirogaleus*): the roles of ecological adaptation and sexual selection. In Dwarf and mouse lemurs of Madagascar: biology, behavior, and conservation biogeography of the Cheirogaleidae. S. M. Lehman, U. Radespiel and E. Zimmermann (eds). Cambridge UK, Cambridge University Press. Pgs 113 – 134.

Wright, P.C., Erhart, E.M., Tecot, S.R., Baden, A.L., Arrigo-Nelson, **Herrera, J.P.**, S., Morelli, T.L., Deppe, A., Blanco, M., Atsalis, S., Johnson, S.E., Ratelolahy, F., Tan, C. L. M., Zohdy, S. (2012). Long term lemur research at Centre ValBio, Ranomafana National Park Madagascar In: Kappeler PM, Watts D, eds. Long-term field studies of primates. Dordrecht: Springer. Pgs 67 – 100.

Grants, Awards, and Honors

- 2023 Bass Connections Grant, in support of “Advancing biocultural conservation with participatory research” (\$42,000)
- 2022 Nashville Zoo, in support of “Environmental awareness for the conservation of ecosystem services in rural Madagascar” (\$5,000)
- 2022 General Mills, in support of “Connecting and empowering students and smallholder farmers in Madagascar” (\$100,000)
- 2022 McQuade Foundation, in support of “Empowering women in agroecology” (\$34,000)
- 2022 Bass Connections Grant, in support of “Biocultural approach to sustainability in Madagascar” (\$25,000)
- 2021 Re:wild Conservation Grant, in support of “Empowering local conservation initiatives to protect the silky sifaka, *Propithecus candidus*, during an economic and health crisis” (\$20,000)
- 2020 General Mills, in support of “Connecting and empowering students and smallholder farmers in Madagascar” (\$97020)
- 2020 Triangle Center for Evolutionary Medicine Seed Grant, in support of “Does soil health predict human health?” (\$12,000)
- 2019 Thomas Jefferson Fellowship, in partnership with Pablo Tortosa, University of La Réunion (\$20,000)
- 2019 Duke Bass Connections Award for Outstanding Mentor
- 2019 Duke Bass Connections Grant in Global Health, in support of “Social-ecological networks and zoonotic disease in rural Madagascar” (\$25,000)
- 2018 Duke Bass Connections Grant in Global Health, in support of “How do people affect zoonotic disease dynamics in Madagascar?” (\$25,000)
- 2015 Gerstner Scholar Postdoctoral Fellowship, Richard Gilder Graduate School, American Museum of Natural History, New York NY
- 2015 Earnest A. Hooten Prize for Best Student Poster, 84th annual meeting of the American Association of Physical Anthropologists, St. Louis MO
- 2013 Mohamed bin Zayed Species Conservation Grant, in support of “The search for Sibree’s dwarf lemur (*Cheirogaleus sibreei*) in southeast Madagascar” (\$5,000)
- 2013 International Society of Primatology Research Grant, in support of “Ecological speciation and sexual selection in dwarf lemurs (Genus *Cheirogaleus*)” (\$2,000)

- 2013 Explorer's Club-Eddie Bauer Young Explorer Grant, in support of "Long-term changes in endangered lemur populations: effects of habitat loss and climate change in Madagascar" (\$12,500)
- 2012 Margot Marsh Biodiversity Foundation, in support of "Ecological survey of endangered lemurs in an unprotected forest corridor in southeast Madagascar" (\$12,000)
- 2012 Leakey Foundation Dissertation Award, in support of "Evolutionary ecology of lemurs in a rainforest in Madagascar" (\$13,395)
- 2012 Primate Conservation, Inc., in support of "The search for Sibree's dwarf lemur in southeast Madagascar" (\$5,000)
- 2012 American Society of Primatology Conservation Grant, in support of "The search for Sibree's dwarf lemur in southeast Madagascar" (\$1,495)
- 2012 Rufford Small Grants Foundation, in support of "The search for Sibree's dwarf lemur in southeast Madagascar" (\$8,930)
- 2010 Ernst Mayr Travel Grant in Animal Systematics, Museum of Comparative Zoology at Harvard University, in support of "Species delineation in the subfossil lemur assemblage: how many species have gone extinct?" (\$1,200)
- 2010 La Conservatoire Pour la Protection des Primates Research Grant in support of "Modeling the distribution and abundance of *Avahi peyrierasi* based on geography, climate and forest structure" (\$3,250)
- 2010 Conservation International, Primate Action Fund Research Grant, in support of "Modeling the distribution and abundance of *Avahi peyrierasi* in southeast Madagascar based on geography, climate and forest structure" (\$3,000)
- 2010 National Science Foundation Graduate Research Fellowship (\$100,000)
- 2009 Alliance for Graduate Education and the Professoriate Scholarship
- 2009 W. Burghardt Turner Fellowship, SUNY Stony Brook
- 2009 Full tuition scholarship, SUNY Stony Brook

Abstracts & Professional Presentations

Herrera, J.P., Nunn, C.L. (2019). Coevolution and coextinction of primates and their parasites. *American Journal of Physical Anthropology*. 168(S68):102.

Herrera, J.P., Chakraborty, D., Rushmore, J., Altizer, S., Nunn, C.L. (2018). How Does Captivity Influence Parasitism? A Comparative Study of Wild and Captive Primates. *American Journal of Physical Anthropology*. 165(S1):118-119.

Herrera, J.P. (2017). Historical biogeography and current productivity explain lemur community structure. International Biogeography Society Annual Meeting, Tucson, AZ, USA.

Herrera, J.P. (2016). Resource abundance explains the taxonomic, phylogenetic, and functional diversity of lemur communities on Madagascar. Congress of the International Primatological Society, Chicago, IL, USA.

Herrera, J.P. (2016). Testing the high plateau and river barrier hypotheses for the biogeographic evolution of lemurs on Madagascar. Congress of the International Primatological Society, Chicago, IL, USA.

Herrera, J.P. (2016). Primate diversification dynamics in deep time: inferences from fossils vs. extant phylogenies. Evolution Annual Meeting, Austin, TX, USA.

Herrera, J.P. (2016). Testing the adaptive radiation theory for the evolution of lemurs on Madagascar. *American Journal of Physical Anthropology* 159(S1):173.

Herrera, J.P., Tongasoa, L., Wright, P.C. (2015). Interactions between plants and primates explain the diversity of communities. *American Journal of Primatology* 77(S1): 138.

Herrera, J.P., Warsi, O.M., Dávalos, L.M., Tongasoa, L., Wright, P.C. (2015). The critically endangered *Cheirogaleus sibreei* is discovered in high elevation forests in Ranomafana National Park and the COFAV corridor, southeast Madagascar. *American Journal of Primatology* 77(S1): 95.

Taylor, L. L., **Herrera, J.P.** (2015). Multiple unique, adaptive shifts in life history across primates correspond to shifts in diet. *American Journal of Primatology* 77(S1): 78.

Herrera, J.P. (2015). Environmental instability and functional traits explain lemur ecological community structure. *American Journal of Physical Anthropology*. 156 (S60): 165.

Taylor, L.L. and **Herrera, J.P.** (2015). Do diet and evolutionary history predict variation in life history variables better than environmental harshness for lemur traits? *American Journal of Physical Anthropology*. 156 (S60): 302.

Tongasoa, L., **Herrera, J.P.**, Wright, P.C. (2014). Decline of *Hapalemur griseus* at Ranomafana National Park, southeast Madagascar. Congress of the International Primatological Society, Hanoi, Vietnam

Herrera, J.P. (2014). Evidence for early adaptive divergence in Malagasy primates: niche filling and mass extinction. Evolution Annual Meeting, Raleigh, NC, USA. Competed in the Ernst Mayr Graduate Student Competition

Herrera, J.P., Tongasoa, L., Wright, P.C. (2013). Three dwarf lemur morphs in Ranomafana National Park, southeast Madagascar. International Prosimian Congress, Ranomafana Madagascar

Herrera, J.P. (2012). Ancient dispersals across the central highlands explain the phylogeography of dwarf lemurs, Genus *Cheirogaleus*. *American Journal of Primatology*. 74(S1):55.

Herrera, J.P. (2012). Biogeographic causes of speciation in lemurs of Madagascar. *American Journal of Physical Anthropology*. 147(S54):90.

Herrera, J.P., Lauterbur, M.E., Wright, P.C., Ratovonjanahary, L, Taylor, L. L. (2009). Rapid assessment of lemurs in disturbed and undisturbed habitats in southeast Madagascar. *American Journal of Primatology* 71(S1):90. DOI: 10.1002/ajp.20733

Teaching & Mentoring Experience

2022	Bass Connections project co-lead, mentoring four graduate students from Duke University, one undergraduate from Macalester College, and managing team of 30+ Malagasy assistants in field research in Madagascar.
2022	Field Ecology and Conservation Workshop at Marojejy National Park. Collaborative field school with the Centre Universitaire Regional du SAVA (CURSA) engaging 15 Malagasy undergraduates in methods and applications in botany, herpetology, entomology, and sustainability.
2020-present	Mentor for four Malagasy graduate students pursuing Masters and Ph.D. degrees in Madagascar, Rabevaog Edgar, Andriantinefiarjaona Ardhillies, Nestorine, and Feno Telessy.
2019-present	Agroecology Workshops in SAVA region. Co-lead sustainable agriculture workshops with rural communities in Sambava, Antalaha, Vohemar, and Andapa districts, in partnership with SAVA regional university (CURSA).
Oct 2019	Field Ecology and Conservation Workshop at Marojejy National Park. Collaborative field school with the Centre Universitaire Regional du SAVA (CURSA) engaging 40 Malagasy undergraduates in methods and applications in botany, herpetology, entomology, and sustainability.
June – Aug 2019	Bass Connections program integrating three Duke undergraduates, one Duke Masters student, and two Malagasy students in field research in Madagascar. Co-leaders: Dr. CL Nunn, Dr. R Kramer
May 2019	Evolutionary Medicine Summer Institute. Co-organizer and instructor for week-long workshop in evolutionary concepts and statistical approaches applied to medicine and public health. Leader: Dr. Charles Nunn
Fall 2018	Biodiversity, Health, and Conservation. Graduate and undergraduate course with topic-based seminars on the links between biodiversity conservation and public health policy. Co-instructor: Dr. CL Nunn
June 2018 – Spring 2019	Bass Connections program integrating three Duke undergraduates, one Duke medical student, and one Malagasy graduate student in field research in Madagascar. Co-leaders: Dr. CL Nunn, Dr. R Kramer
June 2018	Evolutionary Medicine Summer Institute. Co-instructor for week-long workshop in evolutionary concepts and statistical approaches applied to medicine and public health. Leader: Dr. Charles Nunn
Spring 2017	Mammalogy. Graduate course with topic-based seminars and collections-based anatomy laboratory, AMNH. Co-instructor: Dr. NB Simmons

- September 2015 – present Mentor for CUNY college undergraduate Alejandro Laserna. Guiding independent research project on the evolution of primate behavior, NSF REU supervisor.
- June 2011-present Mentor for Tongaso Lydia, University of Antananarivo. Supervised field research in preparation of Ph.D. dissertation. Project title: Behavioral ecology and habitat suitability of *Haplemur griseus* in southeast Madagascar.
- 2011, 2012, 2013 Teaching assistant, guest lecturer, student mentor for Stony Brook Study Abroad in Madagascar program. Supervisor: Dr. PC Wright
- 2009, 2014 Teaching assistant, Stony Brook University, courses in Cultural Anthropology and Archaeology

Research Projects & Training

- 2020 – present Lemur community ecology in the SAVA region. Investigating the links between species distribution and diversity in relation to environmental factors including anthropogenic disturbance. In collaboration with Rabevaio Edgar.
- 2020 – present Links between socioeconomics, demographics, agricultural practices and global health outcomes related to nutrition. Studying the effects of multiple factors on the probability of food insecurity, dietary diversity, and malnutrition in rural Madagascar. In collaboration with Andriantefiarjaona Ardhillés and Nestorine, CURSA.
- 2017 – Present Ecology and evolution of infectious diseases. 1) Studying the co-evolution of primates and parasites. 2) Investigating zoonotic disease transmission among people and small mammals of Madagascar with field trapping and human surveys. Supervisor: C.L. Nunn.
- 2016 – Present Neotropical bat community ecology. Surveys for bat diversity in Orange Walk, Belize (mist nets, harp traps, hand nets), and compilation of occurrence records in neotropics. Supervisor: N.B. Simmons.
- 2015 – 2018 Inferring the phylogeny and diversification dynamics of primates, living and extinct. Compiling published morphological data matrices and DNA sequences, collecting new morphological data for living and fossil species. Compiling primate fossil database including occurrences, stratigraphy, paleoenvironments, and traits. Supervisors: J.J. Flynn & N.B. Simmons.
- 2011 – 2014 Ecological survey and monitoring project around Ranomafana National Park and peripheral zones. Surveys using line-transect and live-trapping methodology to sample primates, trees, birds, frogs, chameleons, rodents, and insects across gradients of anthropogenic disturbance and topography. Supervisor: P.C. Wright.

- 2010 – Inferring the phylogeny of lemur species using a total evidence approach.
 2015 Measuring morphological traits from museum specimens of lemurs, lorises, galagos, and fossil primates. Generated molecular sequences from hair and fecal samples collected in the field, especially focusing on dwarf lemurs (*Cheirogaleus*). Inferring phylogeny and divergence times using likelihood and Bayesian techniques. Supervisors: E.R. Seiffert, L.M. Dávalos.
- March 2014 Bodega Bay Applied Phylogenetics workshop, led by Dr. Peter Wainwright, UC Davis Ecology and Evolution
- April 2012 AnthroTree Workshop, led by Dr. Charles Nunn, Duke University

Relevant Employment

Assistant Director, Triangle Center for Evolutionary Medicine, Duke University, Durham NC. August 2018 – June 2019.

Gerstner Scholar Postdoctoral Fellow, American Museum of Natural History, NY NY. July 2015 – Present.

Teaching Assistant, SUNY Stony Brook. Stony Brook, NY. Gender in Latin America; Archaeology of Food; Science and Technology in Ancient Societies. 2009 – 2010, 2013

Consultant, “Interactive Dynamics of Wildlife and Human Interaction” Project, Makira region, Madagascar, NSF funded project by U Harvard and UC Berkley; training Malagasy personnel in ecological survey techniques. January 2012

Institutional Collaborations

Institute for the Conservation of Tropical Environments, Stony Brook University
 Centre ValBio Research Station in Ranomafana National Park, Madagascar,
 Malagasy Institut pour la Conservation des Ecosystèmes Tropicaux, Madagascar

Synergistic Activities

- Sept 2019 – Supervisor for undergraduate students’ theses at the Centre
 March 2020 Universitaire Régional de la SAVA, Antalaha Madagascar
- Aug 2018 – Committee member on Undergraduate Senior Honors Thesis; Ajilé
 May 2019 Owens and Ryan Fitzgerald, Duke Global Health Institute, Duke University
- Jan 2017 – Member of IUCN Species Survival Commission Primate Specialist
 present Group, Madagascar Section, 2017-2020
- June 2016 Invited lecture for Oyster Bay Audubon Society, New York, entitled:
 “The unique wildlife of Madagascar”
- April 2016 Invited lecture for Department of Biology, City College of New York,
 entitled: “Resource abundance determines diversity across scales in
 Malagasy primates”
- September 2015 Invited lecture for Bruce Museum special exhibit, Extinct Madagascar,
 entitled: “Biogeographic inferences with extinct lemurs support the role
 of the central plateau as a dispersal route between wet and dry forests”

- October 2015 Invited lecture for University of Miami course in Wildlife Conservation, entitled: “Conserving corridors: using biodiversity research and community development to preserve natural habitats in Madagascar”
- June 2014 Invited lecture for Oyster Bay Audubon Society, New York, entitled: “Conserving corridors: using biodiversity research and community development to preserve natural habitats in Madagascar”
- March 2014 Lectures for Stony Brook University course in Primate Conservation, entitled: “A tale of two lemurs: endangered dwarf lemurs as a model for biodiversity conservation in Madagascar”, and “Conserving corridors: using biodiversity research and community development to preserve natural habitats in Madagascar”
- 2013 – 2014 “Ny Alan’olona”: Initiating a conservation organization led by rural Malagasy landowners to manage their natural lands sustainably. Biodiversity research and education, reforestation, sustainable farming, and capacity building. In collaboration with Tongaso Lydia, Ph.D. candidate U of Antananarivo.
- 2011-2013 Lectures for Stony Brook University Study Abroad in Madagascar Program: The History and Mystery of Life on Madagascar, Effects of Human Disturbance on Biodiversity in Madagascar, Field Methods for Estimating Biological Diversity and Abundance, Statistics for Ecological and Social Data, R Statistics Workshop
- Oct-Nov 2011 Led biodiversity and socio-economic field expedition for the Stony Brook University Study Abroad program. Supervised 7 American and 1 Malagasy undergraduate in ecological and social surveys for independent research.

Manuscript review

Systematic Biology, Molecular Phylogenetics and Evolution, Journal of Biogeography, Biological Conservation, Methods in Ecology and Evolution, Biotropica, Journal of Human Evolution, International Journal of Primatology, American Journal of Primatology, Quaternary Review, American Journal of Physical Anthropology, Madagascar Conservation and Development

Analytical Software Proficiency

R: statistical computing environment, R Development Core

MrBayes: phylogenetic systematics, Ronquist et al.

RaxML: phylogenetic systematics, A. Stamatakis.

Geneious: bioinformatics software, Biomatters Development Team

ArcGIS: geographic information systems software, ESRI

DISTANCE: wildlife abundance estimation using line transect distance sampling data, Thomas et al.

Amira: 3D digital reconstruction software, FEI Software

References

Charles R. Welch,
Postdoctoral supervisor

Conservation Coordinator, Duke Lemur Center
Duke University, Durham NC
Phone: (919) 489-3364, E-mail: charles.welch@duke.edu

Charles L. Nunn, Ph.D.
Postdoctoral supervisor
Professor, Department of Evolutionary Anthropology & Duke Global Health Institute
Duke University, Durham NC
Phone: (919) 660-7281, E-mail: clnunn@duke.edu

Nancy B. Simmons, Ph.D.
Postdoctoral supervisor
Curator-in-Charge, Department of Mammalogy, Division of Vertebrate Zoology
Professor, Richard Gilder Graduate School
American Museum of Natural History, New York NY
Phone: (212) 769-5483, E-mail: simmons@amnh.org

Patricia C. Wright, Ph.D.
Ph.D. advisor
Distinguished Service Professor, Department of Anthropology
Director, Institute for the Conservation of Tropical Environments
Stony Brook University
Phone: (631) 632-7425, E-mail: Patricia.Wright@stonybrook.edu