

**Lev Kolinski**

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**EDUCATION**

Duke University	Durham, NC
Ph.D. Candidate, Evolutionary Anthropology	2023-present
Duke Global Health Institute Doctoral Research Scholar	
National Science Foundation Graduate Research Fellow	
Graduate Certificate Student, Duke Global Health Institute	
Washington University in St. Louis	St. Louis, MO
B.A., Anthropology	2017 - 2021
Minors: Biology and Spanish	

**RESEARCH SUPPORT AND FELLOWSHIPS****Current Support:**

Doctoral Scholar Research Grant, Duke Global Health Institute (\$15,000)	2025-2028
Graduate Research Award, Triangle Center for Evolutionary Medicine (\$7,500)	2025-2026
Graduate Research Fellowship Program (GRFP), National Science Foundation (\$147,000)	2023-2028
James B. Duke Fellowship, Duke University (\$20,000)	2023-2027

**Past Support:**

Grants in Aid of Research, Sigma Xi (\$2,000)	2024-2025
Summer Research Fellowship, Duke University (\$14,316)	2024
Steve Meshnick Travel Award, Triangle Center for Evolutionary Medicine (\$2,000)	2024
Academic Year Undergraduate Research Award, Washington University in St. Louis (\$2,500)	2021
Summer Undergraduate Research Award, Washington University in St. Louis (\$4,000)	2020
Summer Research Fellowship, International Center for Energy, Environment and Sustainability (\$5,000)	2019

**PEER-REVIEWED PUBLICATIONS**

<b>Kolinski, L.</b> , DeSisto, C.M.M., Kauffman, K.M., Titcomb, G., Pender, M., Rabezara, J.Y., Kramer, R.A., Moody, J.W., Soarimalala, V., and Nunn, C.L. "Predictors of human-animal contact networks in northeast Madagascar".	<i>In revision</i>
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Kauffman, K., Pender, M., Rabezara, J.Y., Rahary, P., Janko, M., **Kolinski, L.**, *In revision*  
Barrett, T.M., Randriamoria, M.T., Moody, J., Soarimalala, V., Lopez-Carr, D.,  
Kramer, R., Titcomb, G., Nunn, C.L. Demographic drivers of land-use by smallholder  
farmers in Madagascar.

Solis, A., Anaeme, A., Titcomb, G., Janko, M., Rabezara, J.Y., Barrett, T.M., 2025  
Kauffman, K.M., Pender, M., Soarimalala, V., **Kolinski, L.**, Kramer, R.A., Young,  
H., and Nunn, C.L, 2025. "One Health Disparities and Blastocystis infection among  
smallholder farmers in northeastern Madagascar". One Health Disparities and  
Blastocystis infection among smallholder farmers in northeastern Madagascar.  
*PLOS Global Public Health*, 5(10), p.e0005189

**Kolinski, L.**, Barrett, T. M., Kramer, R. A., & Nunn, C. L. (2024). How market 2024  
integration impacts human disease ecology. *Evolution, Medicine, and Public  
Health*, 12(1), 229-241.

Beehner, J.C., Alfaro J., Allen C., Benítez, M.E., Bergman, T., Buehler, M.S., 2022  
Carrera, S.C., Chester, E.M., Deschner, T., Fuentes, A., Gault, C.M., Godoy, I.,  
Jack, K.M., Kim, J.D., **Kolinski, L.**, Kulick, N.K., Losch, T., Ordoñez, J.C.,  
Perry, S.E., Pinto, F., Reilly, O.T., Tinsley Johnson, E., Wasserman, M.D. (2022).  
Steroid hormone validations in wild capuchins at an on-site laboratory. *General  
and Comparative Endocrinology*.

**Kolinski, L.**, & Milich, K. M. (2021). Human-Wildlife Conflict Mitigation 2021  
Impacts Community Perceptions around Kibale National Park, Uganda.  
*Diversity*, 13(4), 145.

Milich, K. M., Sorbello, K., **Kolinski, L.**, Busobozi, R., & Kugonza, M. (2021). 2021  
Case study of participatory action research for wildlife conservation. *Conservation  
Science and Practice*, 3(2), e347.

## PUBLICATIONS IN PREP

**Kolinski, L.**, Titcomb, G., Kauffman, K., Rabezara, J.Y., Rahary, P., Pender, M., *In prep*  
Solis, A., DeSisto, C.M.M., Soarimalala, V., Kramer, R.A., Moody, J., Nunn, C.L.  
Hookworm parasitism shapes nutritional status and cardiovascular disease risk  
in northeast Madagascar.

**Kolinski, L.**, Viard, V., Beehner, J.C. Reproductive parameters of wild white-faced *In prep*  
capuchins using fecal estrogens.

## SOFTWARE PACKAGES

Barrett, T., **Kolinski, L.**, Lea, A., Martin, M. pecahnurbanicity: Compute 2026  
and Visualize Urbanicity Metrics for Anthropological Field Sites. R package  
version 0.1.0, commit ca3b0543a196fe9fcc96080f6cd20ad5d77c4362,  
<<https://github.com/tmbarrett2/pecahn-urbanicity>>.

## WORK EXPERIENCE

Graduate Data Scientist, "Market Integration, Land Use, and Pathogen 2024-present

Transmission in Rural Madagascar”. Duke University. Durham, NC.

*Junior Project Manager*, Reducing the Threat of Febrile Illness-Causing Pathogens in Liberia. U.S. Department of Defense and EcoHealth Alliance. New York, NY and Liberia, West Africa. 2022-2023

*Lab Manager*, Capuchins at Taboga (Capuchinos de Taboga). Guanacaste, Costa Rica. 2021-2022

*Research Assistant*, Reproductive Ecology and Behavioral Endocrinology Laboratory, Washington University in St. Louis. St. Louis, MO. 2018-2021

*Summer Research Fellow*, International Center for Energy, Environment, and Sustainability. St. Louis, MO. 2019

## PROFESSIONAL MEETING PRESENTATIONS

\* **Kolinski, L.**, Kauffman, K., Barrett, T.M., Pender, M., Rabezara, J.Y., Moody, J., Soarimalala, V., Kramer, R.A., Nunn, C.L. “Market integration, social networks, and blood pressure in northeast Madagascar”. Human Biology Association Annual Meeting. Baltimore, MD. 2025

\* **Kolinski, L.**, Barrett, T.M., Kramer, R.A., Nunn, C.L. Market Integration and Infectious Disease: A Disease Ecology Perspective. International Society for Evolution, Medicine, and Public Health. Durham University. Durham, U.K. 2024

\* **Kolinski, L.** Rabezara, J.Y. Intégration du marché, changement des regimes alimentaires, et les risque sur la sante cardiometabolique dans la partie Nord-Est de Madagascar. Workshop on the project progress of The Impact of Land Use Change on Transmission Potential Networks and Disease Spread in Rural Madagascar. Sambava, Madagascar. 2024

**Kolinski, L.**, Barrett, T.M., Kauffman, K., Solis, A., Soarimalala, V., Pender, M., Kramer, R.A., Nunn, C.L. Knowledge of zoonotic disease transmission is associated with greater market integration in northeast Madagascar. Southeastern Bioanthropology Interest Group. University of North Carolina, Chapel Hill. 2024

Arku, J., Carl, N., DeMarco, J., Kamara-Chieyoe, N., Kassay, G., **Kolinski, L.**, Kollie, A. Samuels, S., Karesh, W.B. One Health in Practice: Reducing the threat of Febrile Illness-Causing Pathogens in Liberia. CelebrateLAB West Africa. Abuja, Nigeria. 2023

Kovalaskas, S., **Kolinski, L.**, Benítez, M. Intragroup aggression and fecal steroid measures after an alpha male replacement in wild white-faced capuchins. Animal Behavior Society. San Jose, Costa Rica. 2022

**Kolinski, L.**, Milich, K.M. Sex-based differences in activity budgets of female-dispersing Ugandan red colobus monkeys (*Piliocolobus tephrosceles*). Undergraduate Research Symposium, Washington University in St. Louis, St. Louis, MO. 2020

**Kolinski, L.**, Milich, K.M. Evaluating the impact of sustainable land-use changes on perceptions of wildlife conservation around Kibale National 2019

Park in western Uganda. Undergraduate Research Symposium, Washington University in St. Louis, St. Louis, MO.

\* **Kolinski, L.**, Milich, K.M. Evaluating the impact of sustainable land-use changes on perceptions of wildlife conservation around Kibale National Park in western Uganda. Midwest Primate Interest Group, Northern Illinois University, DeKalb, IL. 2019

\* indicates a podium presentation

## RESEARCH PROJECTS AND FIELDWORK

Does market integration contribute to the burden of cardiovascular disease in northeast Madagascar? Advisor: C.L. Nunn 2024-present

Human-animal interaction networks in northeast Madagascar. Advisor: C.L. Nunn 2024-present

Market integration and disgust in northeast Madagascar. Advisor: C.L. Nunn 2024-present

Reducing the threat from high-risk pathogens causing febrile illness in Liberia. Supervisor: W. Karesh 2022-2023

Communication, cognition, and behavior of the Capuchins at Taboga (La comunicación, la cognición, y el comportamiento en los capuchinos de Taboga). Supervisor: J.C. Beehner 2021-2022

Dispersal, kinship, and behavior: the impact of relatedness on cooperation and conflict in *Procolobus tephrosceles* in Kibale National Park. Advisor: K.M. Milich *Cancelled, COVID-19*

Hormonal variation of sympatric platyrrhines in the Ecuadorian Amazon. Advisor: K.M. Milich 2018-2021

The impact of habitat type on patterns of succession in old- and new-growth forest: a comparative study of the Amazon and the Cloud Forests of Ecuador. Advisor: X. Silva 2020

Impact of sustainable land-use changes on perceptions of biodiversity conservation around Kibale National Park in western Uganda. Advisor: K.M. Milich 2019

## TEACHING EXPERIENCE

*Evolutionary Medicine and Global Health Graduate Teaching Assistant*, Duke University 2025

*One Health in Practice Guest Lecturer*, Florida State University 2024

*Primate Sexuality Graduate Teaching Assistant*, Duke University 2024

*Introduction to Evolutionary Anthropology Graduate Teaching Assistant*, Duke University 2023, 2024

*Calculus I and II Peer Led Team Learning Leader*, Washington University in St. Louis 2018-2020

## **SUPERVISED UNDERGRADUATE RESEARCH**

Valle, L. Predictors of *Entamoeba* sp. infection in rural Madagascar. Duke University Department of Biology. 2024-2025

## **AWARDS AND HONORS**

*Edward E. Hunt, Jr. Student Award for Outstanding Podium Presentation*, Human Biology Association 2025

*John W. Bennett Award to Outstanding Graduating Senior in Anthropology*, Washington University in St. Louis Department of Anthropology 2021

*Service to Anthropology Award*, Washington University in St. Louis Department of Anthropology 2021

*Excellence in Undergraduate Research Award*, Washington University in St. Louis Department of Anthropology 2021

*Phi Beta Kappa*, Washington University in St. Louis Chapter 2020

## **PROFESSIONAL SERVICE AND OUTREACH**

*Seminar Organizer*, Evolutionary Anthropology Talk Series, Duke University. Durham, NC. 2024-present

*Lead Organizer and Panelist*, Demystifying Graduate School Fellowships Workshop, Duke University. Durham, NC [Online]. 2024

*DEI Committee Member*, EcoHealth Alliance. New York, NY. 2022-2023

*President and Treasurer*, Conservation Together, 501(c)(3). St. Louis, MO. 2020-2021

*Social Media Coordinator*, Conservation to Coexist. Kabarole, Uganda. 2019-2021

*Video Producer*, American Society of Primatologists: Conservation Committee. United States. 2019-2021

## **PROFESSIONAL AFFILIATIONS**

Human Biology Association (HBA)

American Association of Biological Anthropologists (AABA)

International Society for Evolution, Medicine, and Public Health (ISEMPH)

Phi Beta Kappa Honor Society

Lambda Alpha National Anthropology Honor Society

## **SKILLS**

**Computing and Analysis:** Statistics in R; HTML; GIS (ArcMap, QGIS); GitHub; Microsoft Office; Open Data Kit (ODK); AirTable; Python

**Languages:** English (*native*); Spanish (*fluent*); Malagasy (*elementary proficiency*); Rutooro (*beginner*)

**Laboratory techniques:** radioimmunoassay; enzyme immunoassays, PCR, hormone extraction from feces and urine; multiplex serology for measurement of IgG antibodies; point-of-care analyses for blood lipids and glucose

**Relevant Coursework:** General Chemistry with Lab; Organic Chemistry with Lab; Principles of Biology with Lab; Advanced Primate Laboratory Methods; Introduction to Environmental Biology; Environmental Research Methods and Ethics; Comparative Tropical Biology; Primate Ecology, Biology, and Behavior; Primate Ecoimmunology; Anthropological Genetics; Behavioral Ecology of the Great Apes; R Workshop in Biology; Social Statistics; Demographics Measures and Concepts; Environmental Epidemiology; Social Network Analysis; Statistics for Evolutionary Research; Graduate Seminar on Natural Selection; Graduate Seminar on Evolutionary Medicine