

Lev Kolinski
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EDUCATION

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|---|---------------|
| 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 Heath Institute | |
| Washington University in St. Louis | St. Louis, MO |
| B.A., Anthropology | 2017 - 2021 |
| Minors: Biology and Spanish | |

RESEARCH SUPPORT AND FELLOWSHIPS

Current Support:

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| 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:

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| 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

Kolinski, L., 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”. *In revision*

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
integration impacts human disease ecology. *Evolution, Medicine, and Public
Health*, 12(1), 229-241. 2024

Beehner, J.C., Alfaro J., Allen C., Benítez, M.E., Bergman, T., Buehler, M.S.,
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*. 2022

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

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

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
capuchins using fecal estrogens. *In prep*

SOFTWARE PACKAGES

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

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 régimes alimentaires, et les risques sur la santé 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 platyrhines 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