

Stacy Rosenbaum, PhD

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Department of Anthropology
University of Michigan
222C West Hall
1085 S. University Avenue
Ann Arbor, MI 48109

www.primatebehaviorlab.com
rosenbas@umich.edu
59-904-0139

Research Interests

I am a biological anthropologist who studies the ecological causes and evolutionary consequences of social behavior. My primary field and laboratory research focuses on a wild population of endangered mountain gorillas (*Gorilla beringei*) in the Great Lakes region of Africa that has been monitored for more than 50 years. My research program integrates behavioral, demographic, genetic, ecological, and physiological data to gain a richer understanding of the evolution of mammals generally, and the hominid lineage specifically.

Education

2014 PhD, Biological Anthropology, University of California-Los Angeles
2010 MA, Biological Anthropology, University of California-Los Angeles
2001 BA, Psychology, University of Wisconsin-Madison

Academic Appointments

2020-Present Assistant Professor
Department of Anthropology, University of Michigan
2019-2020 Postdoctoral Research Associate
Department of Biological Sciences, University of Notre Dame
2017-2018 Postdoctoral Fellow
Department of Anthropology, Northwestern University
2015-2016 National Science Foundation Postdoctoral Fellow
Institute for Mind and Biology, University of Chicago

Peer-Reviewed Publications

- 2024 Grebe NM, Schmidt J, Eckardt W, Umuhoza R, Mayo D, Stoinski TS, Santymire RS, & **Rosenbaum S**. Examining the dual hormone hypothesis in wild male mountain gorillas. *Hormones & Behavior*, 164, 105588, DOI: 10.1016/j.yhbeh.2024.105588
- 2024 Brown ER, Gettler LT, & **Rosenbaum S**. Effects of social environments on male primate HPG & HPA axis developmental programming. *Developmental Psychobiology*, 66(5), e22491, DOI: 10.1002/dev.22491
- 2024 Gettler LT, **Rosenbaum S**, Bechayda SA, McDade TW, & Kuzawa CW. Men's physical health and life history transitions in the Philippines: Evidence for 'marital selection' but not protective effects of partnering and fatherhood. *Social Science & Medicine*, 346, DOI: 10.1016/j.socscimed.2024.116732

- 2023 Grebe NM, Eckardt W, Stapinski TS, Umuhoza R, Santymire RM, & **Rosenbaum S**. An empirical comparison of several commercial enzyme immunoassays for the non-invasive assessment of adrenocortical and gonadal function in mountain gorillas. *General and Comparative Endocrinology*, DOI: 10.1016/j.ygcen.2023.114351
- 2023 **Rosenbaum S** & Kuzawa CK. The promise of great apes as model organisms for understanding the downstream consequences of early life experiences. *Neuroscience and Biobehavioral Reviews*, DOI: 10.1016/j.neubiorev.2023.105240
- 2023 Malani A, Archie EA, & **Rosenbaum S***. Conceptual and analytical approaches for modeling the developmental origins of inequality. *Philosophical Transactions B*, DOI: 10.1098/rstb.2022.0306
- 2023 Morrison RE, Eckardt W, Stoinski TS, & **Rosenbaum S***. Cumulative early life adversity does not predict reduced adult longevity in wild gorillas. *Current Biology*, DOI: 10.1016/j.cub.2023.04.051.
- 2022 Grebe N, Hirwa JP, Stoinski TS, Vigilant L, & **Rosenbaum S**. Mountain gorillas maintain strong maternal sibling affiliative biases despite high male reproductive skew and extensive exposure to paternal kin. *eLife*, 11, e80820, DOI: 10.7554/eLife.80820
- 2022 Gettler LT, **Rosenbaum S**, Kuo PX, Sarma MS, Bechayda SA, McDade TW, & Kuzawa CW. Evidence for an adolescent sensitive period to family experiences influencing adult male testosterone production. *Proceedings of the National Academy of Sciences*, DOI: 10.1073/pnas.2202874119
- 2022 **Rosenbaum S#** & Silk JB#. Pathways to paternal care in primates. *Evolutionary Anthropology*, DOI: 10.1002/evan.21942.
- 2022 **Rosenbaum S**, Kuzawa CW, McDade TW, Bechayda SA, & Gettler LT. Neither environmental harshness nor unpredictability predict reliance on alloparental care among families in Cebu, Philippines. *Development and Psychopathology*, 1-12, DOI: 10.1017/S0954579421001711.
- 2021 **Rosenbaum S**, Eckardt W, Stoinski TS, Umuhoza R, Kuzawa CW, & Santymire, RM. Group structure, but not dominance rank, predicts fecal androgen metabolite concentrations of wild male mountain gorillas. *American Journal of Primatology*, e23295, DOI: 10.1022/ajp.23295.
- 2021 **Rosenbaum S**, Kuzawa CW, McDade TW, Avila J, Bechayda SA, & Gettler LT. Fathers' care in context: 'facultative,' flexible fathers respond to work demands and child age, but not to alloparental help, in Cebu, Philippines. *Evolution and Human Behavior*, 42(6), 534-546, DOI: 10.1016/j.evolhumbehav.2021.05.003.
- 2021 Zeng S, **Rosenbaum S**, Archie EA, Alberts S, & Li F. Causal mediation analysis for sparse and irregular longitudinal data. *Annals of Applied Statistics*, 15(2), 747 – 767, DOI: 10.1214/20-AOAS1427.
- 2020 **Rosenbaum S**, Zeng S, Campos FA, Gesquiere LR, Altmann J, Alberts SC, & Archie EA. Social bonds do not mediate the relationship between early adversity and adult glucocorticoids in wild baboons. *Proceedings of the National Academy of Sciences*, DOI: 10.1073/pnas.2004524117.
- 2020 Lea A# & **Rosenbaum S#**. Understanding how early life effects evolve: progress, gaps, and future directions. *Current Opinion in Behavioral Sciences*, DOI: 10.1016/j.cobeha.2020.06.006.

- 2020 Gettler LT, Boyette A, & **Rosenbaum S**. Broadening perspectives on the evolution of human paternal care and fathers' effects on children. *Annual Review of Anthropology*, DOI: 10.1146/annurev-anthro-102218-011216.
- 2020 Kuzawa CW, Adair L, Bechayda SA, Borja JRB, Carba DB, Duazo PL, Eisenberg DTA, Georgiev AV, Gettler LT, Lee NR, Quinn EA, **Rosenbaum S**, Rutherford J, Ryan C, McDade TW. Evolutionary life history theory as an organizing framework for cohort studies: Insights from the Cebu Longitudinal Health and Nutrition Survey. *Annals of Human Biology*, DOI: 10.1080/03014460.2020.1742787
- 2020 **Rosenbaum S**, Santymire RS, & Stoinski TS. Urinary androgens, dominance hierarchies, and social group structure among wild male mountain gorillas. In *Chimpanzees in context: a comparative perspective on behavior, cognition, conservation, and welfare* (Hopper L & Ross S, eds). University of Chicago Press, Chicago IL.
- 2019 Eckardt W, Stoinski TS, **Rosenbaum S**, & Santymire RS. Social and ecological factors alter the stress physiology of Virunga mountain gorillas. *Ecology & Evolution*, DOI: 10.1002/ece3.5115
- 2019 Gettler LT, Kuo P, **Rosenbaum S**, Avila J, McDade T, & Kuzawa CW. Sociosexuality, testosterone, and life history status: prospective associations and longitudinal changes among men in Cebu, Philippines. *Evolution & Human Behavior*, DOI: 10.1016/j.evolhumbehav.2018.11.001
- 2018 **Rosenbaum S**, Vigilant L, Kuzawa CW, & Stoinski TS. Caring for infants is associated with increased reproductive success for male mountain gorillas. *Scientific Reports*, 8:1522, DOI: 10.1038/s41598-018-33380-4
- 2018 **Rosenbaum S** & Gettler LT. With a little help from her friends (and family) I: the ecology and evolution of non-maternal caregiving in mammals. *Physiology & Behavior*, 193, 1-11, DOI: 10.1016/j.physbeh.2017.12.025
- 2018 **Rosenbaum S** & Gettler LT. With a little help from her friends (and family) II: the physiology of non-maternal caregiving in mammals. *Physiology & Behavior*, 193, 12-24, DOI: 10.1016/j.physbeh.2017.12.027
- 2018 **Rosenbaum S**, Gettler LT, McDade T, Augustin S, & Kuzawa CW. Does a man's testosterone 'rebound' when dependent children grow up, or when pair bonds end? A test in Cebu, Philippines. *American Journal of Human Biology*, e23180, DOI: 10.1002/ajhb.23180
- 2018 **Rosenbaum S**, Gettler LT, McDade T, Belarmino NM, & Kuzawa CW. The effects of collection and storage conditions in the field on salivary testosterone, cortisol, and sIgA values. *Annals of Human Biology*, DOI: 10.1080/03014460.2018.1495263.
- 2016 **Rosenbaum S**, Vecellio V, & Stoinski TS. Observations of severe and lethal coalitionary attacks in wild mountain gorillas. *Scientific Reports*, 6:37018, DOI: 10.1038/srep37018
- 2016 Eckardt W, Stoinski TS, **Rosenbaum S**, Umuhoza MR, & Santymire R. Validating faecal glucocorticoid metabolite analysis in the Virunga mountain gorilla using a natural biological stressor. *Conservation Physiology*, 4, cow029, DOI: 10.1093/conphys/cow029
- 2016 **Rosenbaum S**, Hirwa JP, Silk JB, Vigilant L, & Stoinski TS. Infant mortality risk and paternity certainty are associated with postnatal maternal behavior toward adult male mountain gorillas. *PLoS One*, DOI: 10.1371/journal.pone.0147441

- 2016 **Rosenbaum S**, Hirwa JP, Silk JB, & Stoinski TS. Relationships between adult male and maturing mountain gorillas persist across developmental stages and social upheaval. *Ethology*, 122, 134-150, DOI: 10.1111/eth.12457
- 2015 **Rosenbaum S**, Maldonado-Chapparo AA, & Stoinski TS. Group structure predicts variation in proximity relationships between male-female and male-infant pairs of mountain gorillas. *Primates*, 57, 17-28, DOI: 10.1007/s10329-015-0490-2
- 2015 **Rosenbaum S**, Hirwa JP, Silk JB, Vigilant L, & Stoinski TS. Male rank, not paternity, predicts male-immature relationships in mountain gorillas. *Animal Behaviour*, 104, 13-24, DOI: 10.1016/j.anbehav.2015.02.025
- 2011 **Rosenbaum S**, Silk JB, & Stoinski TS. Male-immature relationships in multi-male groups of mountain gorillas. *American Journal of Primatology*, 71, 1-10, DOI: 10.1002/ajp.20905
- 2009 Stoinski TS, **Rosenbaum S**, Ngaboyamahina T, Vecellio V, Ndagijimana F, & Fawcett K. Patterns of male reproductive behavior in multimale groups of mountain gorillas: examining theories of reproductive skew. *Behaviour*, 146, 1193-1215, DOI: 10.1163/156853909X419992
- 2009 Stoinski TS, Vecellio V, Ngaboyamahina T, Ndagijimana F, **Rosenbaum S**, & Fawcett K. Proximate factors influencing dispersal decisions in male mountain gorillas. *Animal Behaviour* 77, 1155-1164, DOI: 10.1016/j.anbehav.2008.12.030

Other Publications

- 2024 **Rosenbaum S**, Malani A, Lea A, Tung JT, Alberts SC, & Archie EA. Testing frameworks for early life effects: the developmental constraints and adaptive response hypotheses do not explain key fertility outcomes in wild female baboons. bioRxiv, DOI: 10.1101/2024.04.23.590627 (in post-review revision at *Proceedings of the Royal Society B*)
- 2018 **Rosenbaum S**. Offspring defense. In *Encyclopedia of Evolutionary Psychological Science* (Shackelford TK & Weekes-Shackelford VA, eds). Springer.

Funding

Grants

- 2024 National Institute on Aging (NIA/NIH) R01 (co-I; \$280,051; #1R01AG087961)
- 2021 National Institute on Aging (NIA/NIH) Animal Models for the Social Dimensions of Aging Research Network Pilot Grant (PI; \$10,000; #R24 AG065172)
- 2016 National Science Foundation Innovation Corps Grant (PI; \$50,000; #1632492)
- 2015 National Science Foundation/University of Chicago Polsky Center Innovation Corps Grant (PI; \$2,500)
- 2011 National Science Foundation Doctoral Dissertation Improvement Grant (PI; \$14,427; #1122321)
- 2011 Wenner-Gren Foundation Dissertation Fieldwork Grant (PI; \$20,000; #201101446)
- 2011 Wenner-Gren Foundation Osmundsen Initiative Grant (PI; \$5,000; #201101446/8352)
- 2010 Leakey Foundation Research Grant (\$13,897)

2009 UCLA Institute for Social Research Grant (\$6,000)

Fellowships

- 2014 NSF SBE Directorate Interdisciplinary Postdoctoral Fellowship (\$197,512; #1405101)
- 2013 UCLA Dissertation Year Fellowship (\$20,000)
- 2009 NSF Graduate Research Fellowship (\$90,000)
- 2009 UCLA Graduate Research Mentorship Fellowship (\$18,000)
- 2008 UCLA Anthropology Departmental Fellowship (\$18,000)
- 2000 Wisconsin/Hilldale Undergraduate/Faculty Research Fellowship (\$3,000)

Invited Talks (non-conference)

- 2024 Socioecology of Social Aging Working Group, University of California-Santa Barbara
- 2024 Festschrift talk series for Dr. William Newsome, Wu Tsai Neurosciences Institute, Stanford University
- 2022 Humboldt University (sponsored by New York University-Berlin)
- 2022 Department of Evolutionary Anthropology, Duke University
- 2021 Department of Biology, Queens College CUNY
- 2020 Department of Biology, Bangor University
- 2020 Department of Anthropology, Dartmouth College
- 2020 Department of Psychology, University of Michigan
- 2019 Department of Ecology & Evolution, University of Chicago
- 2018 Department of Anthropology, University of Michigan
- 2018 Department of Biological Sciences, University of Notre Dame
- 2018 Institute for Human Origins, Arizona State University
- 2018 Department of Human Evolutionary Biology, Harvard University
- 2018 Department of Anthropology, Washington University
- 2017 Network Science Institute, Indiana University
- 2016 A. Watson Armour Research Seminar Series, Chicago Field Museum
- 2016 Department of Anthropology, Northwestern University
- 2015 Department of Anthropology, University of Wisconsin-Madison
- 2015 Max Planck Institute for Evolutionary Anthropology
- 2015 Early Career Colloquium in Bioscience Crossing Disciplines, Clarkson University
- 2015 Department of Anthropology, University of Missouri-Columbia
- 2015 Lincoln Park Zoo Conservation & Science Seminar Series, Chicago IL
- 2015 Comparative Behavioral Biology Seminar Series, University of Chicago
- 2014 Primate Research Institute, Kyoto University, Japan
- 2014 Wildlife Research Center, Kyoto University, Japan
- 2014 Center for Behavior, Evolution, and Culture, UCLA
- 2013 Department of Anthropology, Baruch College, New York NY
- 2012 University of Wisconsin-Madison Arboretum
- 2012 Lincoln Park Zoo Conservation & Science Seminar Series, Chicago IL
- 2011 Karisoke Research Center Seminar Series, Musanze Rwanda
- 2005 Leakey Foundation Annual Fellows' Dinner, San Francisco CA

Teaching & Mentoring

Instructor of Record

How Humans Evolve (undergraduate; University of Michigan)

-Years taught: 2020 x 2, 2021, 2023

Introduction to Primate Behavior (undergraduate; University of Michigan)

-Years taught: 2021, 2022, 2024

Primate Behavioral Ecology (undergraduate; University of Michigan)

-Years taught: 2021

Lab Methods in Primate Behavioral Ecology (undergrad & grad; University of Michigan)

-Years taught: 2020, 2023 x 2

The Social Components of Fitness (graduate; University of Michigan)

-Years taught: 2021

Grant Writing for the Life and Social Sciences (graduate; University of Michigan)

-Years taught: 2020, 2022, 2024

Introduction to Human Evolution (undergraduate; UCLA)

-Years taught: 2013, 2014

Guest lectures in others' courses

2018 The biological origins of xenophobia (Northwestern University)

2018 Comparative approaches to human evolution (University of Illinois-Chicago)

2017 Sex differences and convergences in socio-endocrine mediation of life history strategies (University of Chicago)

2017 Building and keeping social relationships: the evolutionary origins of friendship and family bonds in primates (Northwestern University)

2016 Behavior and physiology research methods in wild and captive animal populations (DePaul University)

2016 Intersections of science and conservation policy (DePaul University)

2016 Darwinian medicine: senescence and genetic disease (University of Chicago)

2015 Kinship, culture, and the puzzle of human ultra-sociality (University of Chicago)

2015 The behavior and physiology of male parenting: mountain gorillas, marmosets, and stay-at-home dads (University of Chicago)

2012 Paternal behavior in mountain gorillas (Santa Monica College)

2012 Sexual selection in non-human primates (UCLA)

2011 Why study behavior? (Karisoke Research Center, for University of Alabama at Birmingham students)

Other teaching and mentoring experience

2008-13 Course reader (evaluating undergraduates' written work): Survey of Biological Evolution; Great Adaptations: Origins of Complexity in Nature; Evolution & Human Sexuality; Human Behavioral Ecology; Models of Cultural Evolution; Primate Behavior Non-Human to Human (UCLA)

2011 Supervisor: undergraduate thesis project "Differences in activity budgets of male and female infant gorillas" (National University of Rwanda)

Conference Presentations (last 5 years)

- 2024 (Invited talk) **Rosenbaum S**, Eckardt W, Stoinski TS, & Morrison R. Why are wild mountain gorillas so resilient to early life adversity? *American Society of Primatologists 46th Annual Meeting*, Riveria Maya, Mexico
- 2024 (Invited talk) **Rosenbaum S**, Kuzawa CW, Avila J, Bechayda SA, & Gettler LT. Evolutionary hypotheses in the context of a large-scale society: allomaternal caregiving dynamics among families in Cebu, Philippines. *Society for Personality and Social Psychology 2024 Convention (Evolutionary Psychology Preconference)*, San Diego CA
- 2024 Mayo D, Feldblum JT, Gilby IC, & **Rosenbaum S**. A training-testing approach for the comparison of dominance rank reliability and its application to primate social systems. *American Association of Biological Anthropologists 93rd Annual Meeting*, Los Angeles CA
- 2023 Morrison R, Eckardt W, Stoinski TS, & **Rosenbaum S**. Cumulative early life adversity does not predict reduced adult longevity in wild gorillas. *Primate Society of Great Britain 2023 summer meeting*, Cambridge UK.
- 2023 (Invited talk) Morrison R, Eckardt W, Stoinski TS, & **Rosenbaum S**. The influence of early life adversity on sociality in wild gorillas. *Behaviour 2023 (International Council of Ethologists) Conference*, Bielfeld Germany
- 2023 Grebe NM, Eckardt W, Schmidt J, Mayo D, Umuhoza R, Santymire RM, Stoinski TS, & **Rosenbaum S**. Examining the dual hormone hypothesis in wild male mountain gorillas. *American Association of Biological Anthropologists 92nd Annual Meeting*, Reno NV
- 2022 Schmidt J, **Rosenbaum S**, Eckardt W, Umuhoza R, Mayo D, Santymire RM, Stoinski TS, & Grebe NM. Testing the dual hormone hypothesis in wild male mountain gorillas (*Gorilla beringei*). *Midwest Primate Interest Group 2022 meeting*, Ann Arbor, MI
- 2022 Brown ER, Eckardt W, Stoinski TS, & **Rosenbaum S**. Examination of silver back coloration in male mountain gorillas (*Gorilla beringei*). *Midwest Primate Interest Group 2022 meeting*, Ann Arbor, MI
- 2022 Grebe NM, Eckardt W, Stoinski TS, Umuhoza R, Santymire RS, & **Rosenbaum S**. An empirical comparison of popular enzyme immunoassays for the non-invasive assessment of adrenocortical and gonadal function in mountain gorillas. *Midwest Primate Interest Group 2022 meeting*, Ann Arbor MI
- 2022 Morrison R, Colchero F, Eckardt W, Stoinski TS, & **Rosenbaum S**. Can social relationships buffer the effects of early life adversity in gorillas? *International Society for Human Ethology Congress*, Wurzburg, Germany
- 2022 Grebe NM, Hirwa JP, Stoinski TS, & **Rosenbaum S**. Inclusive fitness, age differences, and the dynamics of sibling relationships in mountain gorillas. *American Association of Biological Anthropologists 91st Annual Meeting*, Denver, CO.
- 2021 Eckardt W, Stoinski TS, Gillespie TR, **Rosenbaum S**, Umuhoza R, Mucyo JPS, Abavandimwe D, & Santymire RM. One decade of monitoring stress physiology in Virunga mountain gorillas: Key findings, lessons learned, and next steps. *International Congress for Conservation Biology*, Kigali, Rwanda

- 2021 Mies G, Miller MR, Schmidt J, Brown ER, Stoinski TS, & **Rosenbaum S**. Extracting cortisol metabolites from mountain gorilla fecal samples: comparison of lab versus field methods and ethanol versus methanol solutions. *Midwest Primate Interest Group 2021 meeting*, Chicago, IL
- 2021 Schmidt J, **Rosenbaum S**, Mies G, Miller MR, Eckardt W, Umuhzoza R, Stoinski TS, & Brown ER. Comparison of fecal testosterone and DHEA metabolite concentrations in wild male mountain gorillas. *Midwest Primate Interest Group meeting*. Chicago, IL
- 2019 (Invited talk) **Rosenbaum S**, Zeng S, Campos F, Li F, Alberts SC, & Archie EA. Do social relationships mediate a relationship between early life adversity and glucocorticoids in wild baboons? *Society for Social Neuroscience Annual Meeting* (symposium in honor of Professor John Cacciopo), Chicago, IL
- 2019 **Rosenbaum S**, Zeng S, Campos F, Li F, Alberts SC, & Archie EA. Social relationships minimally mediate the relationship between early adversity and adult glucocorticoid levels in wild savannah baboons. *Animal Behavior Society Annual Conference*, Chicago IL
- 2019 **Rosenbaum S**, McDade TW, Agustin S, Kuzawa CW, & Gettler LT. Facultative fatherhood? Parental and alloparental caretaking tradeoffs in Cebu, Philippines. *American Association of Physical Anthropologist 88th Annual Meeting*, Cleveland OH
- 2019 **Rosenbaum S**, Kuzawa CW, McDade TW, Agustin S, & Gettler LT. Household structure is not related to men's salivary T values in Cebu, Philippines. *Human Biology Association Annual Conference*, Cleveland OH

Methods Development Projects

- 2017-2020 Validated a high-performance liquid chromatography (HPLC) protocol for metabolite identification in mountain gorilla hormone samples, in collaboration with colleagues at the Smithsonian Conservation Biology Institute.
- 2015-2016 Developed a non-invasive prolactin enzyme immunoassay (EIA) for use in great apes, in collaboration with a private sector company manufacturing a serum prolactin assay.

Service

University/Departmental Service

- 2024 UMich Dept of Anthropology Executive Committee
- 2024 UMich Senate Assembly long-term alternate member (serving fall 2024)
- 2023 UMich Dept of Anthropology ad-hoc bylaws review committee
- 2023 Biological Anthropology faculty representative for Responsible Conduct of Research and Scholarship graduate student training
- 2023 Assisted with the development of a field research safety manual
- 2022 UMich Dept of Anthropology ad-hoc curriculum review committee
- 2021-2023 UMich Dept of Anthropology Collective Action Committee member

- 2021 Faculty advisor to UMich bioanthro working group on increasing minority representation amongst undergraduate majors
- 2020-2021 UMich Evolution and Human Adaptation speaker series faculty organizer
- 2017-2018 Coordinator, Northwestern University Evolutionary and Ecological Approaches to Health & Development working group speaker series

Editing & Reviewing

- 2022- Editorial Board Member, American Journal of Primatology
- 2022 Guest editor for *eLife*
- 2019-2021 Panel reviewer for the Wenner-Gren Foundation
- 2018 Special issue co-editor for *Physiology & Behavior*
- Ad-hoc grant proposal reviewer for the National Science Foundation; Wenner-Gren Foundation; The Leakey Foundation; Polish National Science Council
- Ad-hoc manuscript reviewer for Science; PNAS; eLife; Evolutionary Anthropology; Proceedings of the Royal Society B; Science Advances; Behavioral Ecology & Sociobiology; Current Opinion in Behavioral Sciences; Philosophical Transactions B; Animal Behaviour; Hormones & Behavior; Evolution, Medicine, & Public Health; Scientific Reports; iScience; PLoS One; Communications Biology; Biology Letters; American Journal of Primatology; International Journal of Primatology; Ethology, Ecology, & Evolution; Primates; Folia Primatologica; Acta Amazonica; Journal of Wildlife Management; Frontiers in Ecology & Evolution; Journal of Applied Animal Welfare Science; Annals of the New York Academy of Sciences

Conferences & Meetings

- 2022 Co-organizer, Midwest Primate Interest Group annual meeting
- 2019 Symposium co-organizer: "Cross-taxa perspectives on behavior and developmental origins" for Animal Behavior Society meeting
- 2017 Co-organizer, Midwest Primate Interest Group annual meeting
- 2016 Symposium co-organizer: "Allomother - infant relationships across the Primate order: biomarkers, bonding, buffering, and other bidirectional effects" for American Association of Physical Anthropologists annual meeting
- 2014 UCLA campus organizer, California Workshop on Evolutionary Social Sciences
- 2010 UCLA campus organizer for multi-UC campus Evolutionary Perspectives on Human Behavior workshop

Other Service

- 2014-2018 Scientific advisor and board member, Planet Lab youth citizen science initiative and digital learning platform startup
- 2014-2018 Lincoln Park Zoo Research Committee (institutional equivalent to IACUC)
- 2014 Lincoln Park Zoo Diversity & Inclusion Committee
- 2012 Advisory participant and logistical organizer, planning meeting for new long-term, multi-site Grauer's gorilla research program in Democratic Republic of Congo

- 2011 Karisoke Research Center representative to visiting International Reporting Project Fellows
- 2003 Karisoke Research Center administrative volunteer for Rwanda's National Great Ape Symposium (GRASP) workshop

Synergistic Activities

- 2022- Started new non-invasive endocrinology lab at the Ellen DeGeneres Campus of the Dian Fossey Gorilla Fund in Kinigi, Rwanda. This is a major expansion of research capacity at one of the world's longest-running field sites, enabling far more training and many more student research projects than was previously feasible.
- 2015-2017 Founded and coordinated a monthly cross-Center reading group in the Conservation and Science Department at Lincoln Park Zoo. Topics included theoretical, statistical, and methodological issues.
- 2015-2017 Conducted qualitative research on hurdles to implementation of innovative K-12 STEM curriculum via the NSF Innovation Corps program.
- 2012 Funded (via NSF grant)/facilitated international training opportunity (e.g. laboratory skills, statistics, public speaking) for research assistant, a Rwandan national. Trainee co-authored four scientific papers, completed a masters degree, and now holds a leadership position at an international conservation NGO.
- 2011- Set up ongoing biological sample processing lab at the Karisoke Research Center in Rwanda. To date the lab has preserved >20,000 urine and fecal samples using several protocols, for hormone and genetic paternity analysis in wild mountain gorillas. Results are used for large collaborative research projects at institutions in the US, Europe, and Africa.

Public Engagement (selected)

Podcast interviews

- 2023 Leakey Foundation Origin Stories podcast: [Fatherhood](#)
- 2023 Leakey Foundation Origin Stories podcast: [Motherhood](#)
- 2021 Evolutionary Parenting podcast: [From mountain gorillas to humans, what matters in fathering?](#)

Public-facing writing

- 2023 The Conversation: [Resilient gorillas reveal clues about overcoming childhood misfortune](#)
- 2018 The Conversation: [The more male gorillas look after young, the more young they're likely to have](#)
- 2016 The Leakey Foundation blog: [Lay summary of PLoS One and Primates articles](#)
- 2016 Psychology Today: [Lessons about gendered behaviors from mountain gorillas](#)
- 2015 The Leakey Foundation blog: [Lay summary of Animal Behaviour article](#)

Public-facing talks for children

- 2018 What do our genes do and not do? (University of Chicago Laboratory School, Chicago IL)

- 2015 Using science to save endangered species (Resurrection High School, Chicago IL)
- 2014 The mountain gorillas of Rwanda (Center for Early Education, West Hollywood CA)
- 2013 What can animals' behavior teach us about saving them from extinction? (Crossroads Elementary School, Santa Monica CA)
- 2010 What can we learn about people from Rwanda's mountain gorillas? (Mt Horeb Primary Center, Mt Horeb WI)
- 2007 Science and the conservation of Africa's mountain gorillas (St Brendan's School, San Francisco CA)

Public-facing talks for adults

- 2017 Intersections of research, conservation, and teaching efforts at a long-term field site (Golden Apple Award for Teaching Excellence STEM education workshop, Chicago IL)
- 2016 Dian Fossey's gorillas 50 years on: research, conservation, and lessons learned (University of Chicago Lifelong Learning Speaker Series, Chicago IL)
- 2016 Fathers in the animal kingdom (Wine & Wildlife Speaker Series, Lincoln Park Zoo, Chicago IL)
- 2004 Karisoke Research Center: conservation, education, and research from 1967-2004 (Rwanda Office of Tourism and National Parks, Kigali Rwanda)

Other public engagement activities

- 2017 & 2018 Workshop co-organizer: Savings Species with Feces. Taught 6th-8th grade girls from low-income and underrepresented backgrounds about STEM careers in conservation and behavioral science (Expanding Your Horizons Conference, Chicago IL)
- 2016 Mentor for Northwestern University's Science in Society Science Club program, teaching scientific skills and knowledge to at-risk youth (Chicago, IL)

Press Coverage (selected)

English language coverage

[The Atlantic #1](#), [The Atlantic #2](#), [The Wall Street Journal](#), [BBC World Service](#), [BBC Earth](#), [Science #1](#), [Science #2](#), [Newsweek](#), [Scientific American](#), [Ars Technica](#), [Smithsonian Magazine](#), [NPR](#), [Quartz](#), [The Independent](#)

Coverage in other languages

[National Geographic Japan](#), [France Culture](#), [Radio Berlin](#), [Dutch News Radio](#), [Weekendavisen \(Denmark\)](#)

Professional Memberships

American Society of Naturalists
 American Society of Primatologists
 Animal Behavior Society
 American Association of Biological Anthropologists

Human Behavior and Evolution Society
Human Biology Association
International Primatological Society
International Society of Wildlife Endocrinology
Society for the Study of Evolution

Languages

French: Proficient