Lydia K. Greene, PhD

**Director of Academic Engagement,** Natural & Quantitative Sciences, Academic Advising Center

**Adjunct Faculty,** Department of Biology, Duke University

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Description automatically generated with low confidence lemurscientist | she/her/hers

**Education & Professional Positions** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Director of Academic Engagement, Natural & Quantitative Sciences*** Jul 2023 - present

* Specialized advisor for STEM undergraduates at Duke University
* Topics: Majors/minors/certificates; co-curricular, extra-curricular, summer research experiences; finding labs and mentors; applying to graduate school; inclusive programming in STEM fields

***Adjunct Faculty, Duke Biology*** Mar 2024 - present

***Postdoctoral Associate, Duke Biology*** Jan - Jul 2023

* Topic: Sensory mechanisms of reproductive isolation in mouse lemurs
* Faculty supervisor: Dr. Anne Yoder

***Postdoctoral Associate, The Duke Lemur Center*** Sep 2022 - Jul 2023

* Topic: Mechanisms of ecological flexibility in sifakas
* Supervisor: Dr. Erin Ehmke

***Research affiliate, Duke University***Sep 2019 - Dec 2022

* Faculty sponsor: Dr. Anne Yoder, Department of Biology

***NSF Postdoctoral Research Fellow in Biology***Sep 2019 - Aug 2022

* Topic: Untangling the evolutionary and ecological mechanisms that shape gut microbiomes
* Supervisors: Drs. Jonathan Clayton, University of Nebraska Omaha, Erin Ehmke,

the Duke Lemur Center, Yvette Eley & James Bendle, University of Birmingham UK

***Graduate student, Duke University***Sep 2014 - Aug 2019

* PhD awarded from the University Program in Ecology
* Thesis: The ecology and evolution of the folivore gut microbiome in Madagascar’s lemurs
* Committee: Drs. Christine Drea, Lawrence David, Ken Glander, Jennifer Wernegreen, & Anne Yoder

***Research associate, Duke University***May 2011 - Aug 2014

* Topic: Endocrinological mechanisms of female dominance in wild meerkats
* Supervisor: Dr. Christine Drea, Evolutionary Anthropology

***Undergraduate Student, Duke University*** Aug 2007 - May 2011

* B.Sc. in Evolutionary Anthropology with distinction, *summa cum laude*
* Senior thesis: Olfactory signaling, sociality, and pair bondedness in sifakas

**Publications** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\* co-author a student or early-career mentee from the USA or Madagascar

* Blanco MB, **Greene LK**, Welser KH, Ehmke EE, Yoder AD, Klopfer PH. in review. Primate hibernation: the past, present, and promise of captive dwarf lemurs, Annals of the New York Academy of Sciences
* **Greene LK**, Blanco MB, Farmer C\*, O’Malley M, Gherardi C, Irwin MT. in review. Dietary and nutritional selections by ecologically diverse lemurs in non-native forests. *International Journal of Primatology.*
* **Greene LK** Ellsaesser L, Davison MM, Ostrowski CA, Sitver M\*, Jacob SL, Ehmke EE, Williams CV. in review. Curiously low cortisol characterizes clinically normal Coquerel’s sifakas, but not ring-tailed lemurs in captivity. *Journal of Zoo and Wildlife Medicine*.
* Blanco MB, Smith DL, **Greene LK**, Yoder AD, Ehmke EE, Lin J, Klopfer PH. in press. Telomere dynamics in captive dwarf lemurs resemble patterns of temperate hibernators. *Journal of* *Comparative Physiology B.*
* Andriamahaihavana A\*, Justin F, Felon J, **Greene LK**, Rambeloson E. 2024. Evidence of twinning in the Coquerel’s sifaka (*Propithecus coquereli*) in the Anjajavy Reserve. *Lemur News,* 24, 9-12.
* Blanco MB, **Greene LK**, Andriatiavina T\*, Randriamboavonjy, T et al. 2024. The addition of dwarf lemurs (*Cheirogaleus* sp.) to the unusual assemblage of lemur species in the Itremo Protected Area. *Lemur News,* 24, 4-6.
* Blanco MB, Andriambeloson J-B\*, Andriantiavina T\*, Foss E\*, Andriantsalohimisantatra A, Rivoharison T, Birkinshaw C, **Greene LK**. 2024. Reproductive flexibility in Goodman’s mouse lemurs (*Microcebus lehilahytsara*) at Ankafobe, central highlands. *Lemur News*, 24, 40-43.
* Blanco MB, **Greene LK**, Ellsaesser LN, Williams CV, Ostrowski CA, Davison MM, Welser KH, Klopfer PH. 2023. Seasonal variation in glucose and insulin is modulated by food and temperature conditions in a hibernating primate. *Frontiers in Physiology*, 14,  https://doi.org/10.3389/fphys.2023.1251042.
* Blanco MB, **Greene LK**. 2023. Seasonal preference for sugar in captive dwarf lemurs tracks dietary shifts in Madagascar. *International Journal of Primatology,* 44, 254-257.
* **Greene LK**, Blanco MB, Andriambeloson J-B\*, Ehmke EE. 2023. Forest access restores the foraging and ranging behavior of captive Coquerel’s sifakas. *Zoo Biology,* 42, 209-222.
* **Greene LK**, McKenney EA, Gasper K\*, Wrampelmeier C\*, et al. 2023. Gut site and morphology predict microbiome structure and function in ecologically diverse lemurs. *Microbial Ecology,* 85, 1608-1619.
* **Greene LK,** Andriambeloson J-B\*, Rasoanaivo HA\*, Yoder AD, Blanco MB. 2022. Variation in gut microbiome structure across the annual hibernation cycle in a wild primate. *FEMS Microbiology Ecology, 98,* fiac070*.*
* Blanco MB, **Greene LK**, Ellsaesser L, Schopler B et al. 2022. Of fruits and fats: High-sugar diets restore fatty acid profiles in the white adipose tissue of captive dwarf lemurs. *Proceedings of the Royal Society B*, 289, 20220598.
* Blanco MB, **Greene LK**, Klopfer PH, Lynch D, et al. 2022. Body mass and tail girth predict hibernation expression in captive dwarf lemurs. *Physiological and Biochemical Zoology,* 95, 122-129.
* Bornbusch SL, **Greene LK**, Rahobilalaina S\*, Calkins S, et al. 2022. Gut microbiota of ring-tailed lemurs (*Lemur catta*) vary across natural and captive populations and correlate with environmental microbiota. *Animal Microbiome,* 4,29.
* **Greene LK**, Rambeloson E\*, Rasoanaivo H\*, Foss ED\*, et al. 2021. Gut microbial diversity and ecological specialization in four sympatric lemur species under lean conditions. *International Journal of Primatology*, 42, 961-979.

# Greene LK, Blanco MB, Rambeloson E\*, Graubics K, et al. 2021. Gut microbiota of frugo-folivorous sifakas across environments. *Animal Microbiome*, 3, 39*.*

* Blanco MB, **Greene LK**, Schopler B, Williams CV, et al. 2021. On the modulation and maintenance of hibernation in dwarf lemurs at the Duke Lemur Center, USA. *Scientific Reports*, 11, 5740.
* Drea MC, Davies CS, **Greene LK**, Mitchell J, et al. 2021. An intergenerational androgenic mechanism of female intrasexual competition in the cooperatively breeding meerkat. *Nature Communications*, 12, 7332.
* Guevara EE, **Greene LK**, Blanco MB, Farmer C\*, et al. 2021. Molecular adaptation to folivory and the conservation implications for Madagascar’s lemurs. *Frontiers in Ecology and Evolution,* 9: 73674.
* Guevara EE, Webster TH, Lawler RR, Bradley BJ, **Greene LK**, et al. 2021. Comparative genomic analysis of sifakas (*Propithecus*) reveals selection for folivory and high heterozygosity despite population declines. *Science Advances,* 7, eabd2274.
* Rambeloson E\*, Rasoanaivo HA\*, Guevara EE, Schopler R, **Greene LK**, et al. 2021. Genetic confirmation of the Anjiamangirana sportive lemur in the Anjajavy Forest. *Lemur News*, 23, 54-58.
* Rambeloson E\*, Andriambeloson J-B\*, Rasoanaivo HA\*, Ramarokoto RE, Prosper P, de Foucault C, **Greene LK**, & Blanco MB. 2021. Initial translocation and reintroduction of the aye-aye (*Daubentonia madagascariensis*) in the Anjajavy Reserve, Northwestern Madagascar. *Folia Primatologica,* 92, 284-295.

# Greene LK, Williams CV, Junge RE, Mahefarisoa KL\*, et al. 2020. A role for gut microbiota in host niche differentiation. *The ISME Journal,* 14, 1675-1687.

# Greene LK, Clarke T, Southworth C\*, Bornbusch SL, & Ehmke EE. 2020. Daily lettuce supplements promote foraging behavior and modify the gut microbiota in captive frugivores. *Zoo Biology*, 39, 334-344.

* Andriambeloson J-B\*, **Greene LK**, Blanco MB. 2020. Prolonged torpor in Goodman’s mouse lemurs (*Microcebus lehilahytsara*) from the high-altitude forest of Tsinjoarivo, central-eastern Madagascar. *Folia Primatologica*, 91, 697-710.
* Blanco MB, **Greene LK**, Rasambainarivo F, Toomey E, et al. 2020. Next-generation technologies applied to age-old challenges in Madagascar. *Conservation Genetics*, 21, 785-793.
* Blanco MB, Rudman A\*, **Greene LK**,Razafindrainibe F, et al. 2020. Back to basics: Gaps in baseline data call for revisiting an Environmental Education program in the SAVA region, Madagascar. *PLoS ONE,* 15, e0231822.
* Greene LK, Clayton JB, Rothman RS, Semel BP, et al. 2019. Local habitat, not phylogenetic relatedness, predicts gut microbiota better within folivorous than frugivorous lemur lineages. *Biology Letters*, 15, [20190028.](https://doi.org/10.1098/rsbl.2019.0028)

# Greene LK, Bornbusch SL, McKenney EA, Harris RL, et al. 2019. The importance of scale in comparative microbiome research: New insights from the gut and glands of captive and wild lemurs. *American Journal of Primatology,* 81, e22974.

* Blanco MB, **Greene LK**, Davis LJ\*, & Welch C. 2019. Fuel use and cookstove preference in Madagascar’s SAVA region. *Madagascar Conservation and Development,* 14, 12-18.
* Bornbusch SL, **Greene LK,** McKenney EA, Volkoff SJ, et al. 2019. A comparative study of gut microbiomes in captive nocturnal strepsirrhines. *American Journal of Primatology,* 81, e22986.
* Greene SE, Ridgwell A, Kirtland Turner S, Schmidt DN, Pälike H, Thomas E, **Greene LK**, Hoogakker BAA. 2019. Early Cenozoic decoupling of climate and carbonate compensation depth trends. *Paleooceanography* *and Paleoclimatology*, 34, 930-945.
* **Greene LK**, McKenney EA, O’Connell TM, & Drea CM. 2018. The critical role of dietary foliage in maintaining the gut microbiome and metabolome of folivorous sifakas, *Scientific Reports,* 8, 14482.
* **Greene LK** & McKenney EA. 2018. The inside tract: The appendicular, cecal, and colonic microbiome of captive aye ayes. *American Journal of Physical Anthropology*, 166, 960-967.
* Dimac KS, Davies CS, Grebe NM, Stonehill AC, **Greene LK**, et al. 2018. Incidence and biomarkers of pregnancy, spontaneous abortion, and neonatal loss during an environmental stressor: implications for female reproductive suppression in the cooperatively breeding meerkat. *Physiology and Behavior*, 193A, 90-100.
* McKenney EA, **Greene LK**, Drea CM, Yoder AD. 2017. Down for the count: *Cryptosporidium* infection depletes the gut microbiome in Coquerel’s sifakas. *Microbial Ecology in Health and Disease,* 28, 1335165.
* Leclaire S, Jacob S, **Greene LK**, Dubay GR, Drea CM. 2017. Social odours covary with bacterial community in anal secretions of wild meerkats. *Scientific Reports*, 7, 3240.
* Smyth KN, **Greene LK**, Drea CM. 2016. Androgens predicts parasitism in female meerkats: a new perspective on a classic trade-off. *Biology Letters*, 12, 20160660.
* Davies CS, Smyth KN, **Greene LK**, Walsh DA, et al. 2016. Exceptional endocrine profiles characterize the meerkat: sex, status, and reproductive effects. *Scientific Reports,* 6, 35492.
* **Greene LK**, Wallen T, Moresco A, Goodwin TE, & Drea CM. 2016. Reproductive endocrine patterns and volatile urinary compounds of *Arctictis binturong*: discovering why bearcats smell like popcorn. *The Science of Nature*, 103, 37.
* **Greene LK**, Grogan KE, Smyth KN, Adams CA\*, et al. 2016. Mix it and fix it: functions of composite olfactory cues in ring-tailed lemurs. *Royal Society Open Science*, 3, 160076.
* delBarco-Trillo J& **Greene LK**, Goncalves IB, Fenkes M, et al. 2016. Beyond aggression: Androgen-receptor blockade modulates social interaction in wild meerkats. *Hormones & Behavior*, 78: 95-106.
* **Greene LK** & Drea CM. 2014. Love is in the air: sociality and pair bondedness influence sifaka reproductive signalling. *Animal Behaviour*, 88, 147-156.
* Drea CM, Boulet M, delBarco-Trillo J, **Greene LK**, Sacha CR, et al. 2013. The “secret” in secretions: methodological considerations in deciphering primate olfactory communication. *American Journal of Primatology*, 75, 1-22.

**Publications preparation** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\* co-author a student or early-career mentee from the USA or Madagascar

* **Greene LK**, Ellsaesser LN, Williams CV, Davison MM, Ostrowski CA, Welser KH, Wrampelmeier C, Blanco MB. Forest access and seasonal foraging mediate nutritional and energetic markers in a managed population of Coquerel’s sifakas. *American Journal of Primatology.*
* **Greene LK**, Mattarelli P, Giacoma C, Burruso L, et al. Environmental factors shaping the seasonal gut mycobiome of wild indri. *Environmental Microbiology.*
* **Greene LK,** Andriatiavina T\*, Foss ED\*, Andriantsalohimisantatra A, Rivoharison TV, Yoder AD, Ratsoavina F, Blanco MB. The gut microbiome of Madagascar’s lemurs from the forest fragments of the central highlands. *Primates.*
* Mustill R\*, Ellsaesser L, Williams CV, **Greene LK**. Health correlates of extended longevity in captive ring-tailed lemurs (*Lemur catta*). *American Journal of Primatology.*
* Sandberg\* EA, Byrnes K, Welser KH, **Greene LK**. A new enrichment apparatus to encourage suspensory postures during foraging in captive ruffed lemurs. *Zoo Biology.*
* Kim A\*, Blanco MB, **Greene LK**. Dietary sugar modulates the gut microbiome of dwarf lemurs during the fattening season. *Microbial Ecology.*

**Grants, Fellowships & Awards** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Notable funding* (pi unless otherwise specified)**

* NSFDEB-NERC Integrating computational, phenotypic, and population-genomic 2022-present

approaches to reveal processes of cryptic speciation and gene flow in Madagascar’s

mouse lemurs (Senior Personnel; PI Yoder)

* NSF Postdoctoral Fellowship in Biology using Biological Collections 2019-2022
* Duke Microbiome Center Development Grant (Senior Personnel; PI Yoder) 2021
* SSE Regional Outreach Grant (Senior Personnel; PI Yoder) 2021
* NSF Doctoral Dissertation Research Improvement Grant 2018
* Duke Microbiome Center Grant-In-Aid (Senior Personnel; PI Blanco) 2018
* E. Bayard Halsted Fellowship, Duke University 2017-2018
* Margot Marsh Biodiversity Foundation grant 2017
* Duke Evolutionary Anthropology Mentorship Awards 2016-2018
* Margot Marsh Biodiversity Foundation grant 2015
* NSF Graduate Research Fellow 2014- 2019
* James B. Duke Fellow 2014- 2019
* Duke University Scholars Fellowship 2014- 2019

***Other funding***

* Duke Arts & Science Council Committee on Faculty Research (Senior Personnel; PI Yoder) 2020
* Duke Lemur Center Directors Funds 2018-2019
* Lemur Conservation Action Funds 2018
* Duke Summer Research Fellowship 2018
* Nicholas PhD Advocacy Council Small Grant 2017
* IBIEM Graduate Trainee Fellowship, Duke University 2016
* Duke Dissertation Research Travel Award: International 2016
* Duke Lemur Center Directors Fund 2015
* Duke Data Expeditions, Pathfinder fellow 2014-2016
* Duke Arts & Science Council Committee on Faculty Research (Senior Personnel; PI Drea) 2014
* Duke Undergraduate Research Support Award 2010
* Molly Glander Awards, Duke Lemur Center 2009-2011
* Duke Dean’s Summer Research Fellowships 2009 & 2010

***Notable awards & nominations***

* Harvard Society of Fellows, Junior Fellow nominee 2019
* Animal Behavior Society, Allee Competition finalist 2019
* Animal Behavior Society, Genesis Award for undergraduate researchers 2011
* Phi Beta Kappa National Honor Society, Beta of North Carolina Chapter 2011
* Faculty Scholars Departmental Nominee, Duke University 2011

**Relevant Skills** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***In the field****:* Radio telemetry & tracking; behavioral observation; animal trapping, handling & release; anesthesia administration; collaring; collection of morphometric measurements; tissue, blood, oral swab, and fecal sampling.

***In the lab****:* Sample extraction, PCR, gel electrophoresis, barcoding & library preparation for Illumina and Oxford Nanopore platforms, Oxford Nanopore minION sequencing, enzyme immunoassays (EIA), gas chromatography-mass spectrometry (GC-MS) and liquid chromatography (LC).

***On the computer****:* Command line; QIIME 1 & 2; Geneious; R software; JMP; GraphPad Prism; Adobe Illustrator and Premiere Pro; Microsoft Office

**Teaching, Mentoring, & EDI Initiatives** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Summer Undergraduate Research Fellowship, Duke University, co-director**  2024 - present

* **Biology, Brains, & Behavior** section
  + Develop and implement thematic programming for 12-15 rising sophomores in STEM research, including various workshops, lectures, discussions etc.
  + Place fellows in faculty labs with appropriate mentorship for early-career research opportunities

***Academic teaching, lectures, and workshops***

* **Workshop: Research Summit**, Duke University Oct 2023
  + 1-day event for freshmen and sophomores on getting involved in undergraduate research
* **Workshop: Graduate School 101,** Duke University Oct 2023
  + 3-session workshop for juniors and seniors on preparing applications for PhD programs
* **Workshop: Project Research (pResearch) core,** Duke University Aug 2023
  + 5-day workshop during orientation for first-year students on the fundamentals of research
* **Invited workshop**: An Introduction to Writing Scientific Publications, University of Antananarivo Apr 2023
  + 3-day workshop for masters and PhD students in the Animal Biodiversity Dept.
* **Invited workshop**: The Gut Microbiome of Madagascar’s Lemurs, University of Antananarivo Jul 2022
  + 3-day workshop for masters and PhD students in the Animal Biodiversity Dept
* **Invited lecture**: Special Topics in Biology Seminar, University of Nebraska Omaha, Nov 2020
  + Topic: The gut microbiome of Madagascar’s lemurs
* **Workshop**: *Eliurus* species confirmation with a mobile genetics lab, University of Antananarivo Nov 2019
  + 3-day workshop for masters and PhD students in the Animal Biodiversity Dept
* **Invited lecture**, Primate Ecology, Duke University Oct 2019
  + Topic: Approaches for comparative primate microbiome research
* **Invited lecture**: Geology and Paleobiology Seminar Series, University of Birmingham UK Jan 2019
  + Topic: The evolution and ecology of Madagascar’s lemurs (and their gut microbes)
* **Workshop**: Genetics in Madagascar, University of Antananarivo & CURSA University Spring 2018
  + 2-day workshops on introduction to genetic sequencing and Nanopore technology

for Malagasy university students and early-career researchers

* **Teaching Assistant and Discussion leader**, Primate Sexuality, Duke University Spring 2018
* **Invited lecture**, Primate Ecology, Duke University Nov 2016
  + Topic: The primate gut microbiome
* **Invited speaker**: Psyc 701: Behavior and its Biological Bases, UNC Chapel Hill Oct 2016
  + Topic: Approaches to wildlife research
* **Invited speaker**: Biology 490s, Duke University Feb 2016
  + Topic: Microbiomes and Coevolution

***Science equity initiatives***

* **Field Improvement Grants**, co-incepted with Dr. Marina Blanco 2022 - 2023
  + Provides funding to complement an established field project for Malagasy students
* **Aid-for-Articles**, co-incepted with Dr. Marina Blanco 2021 - 2023
  + Provides funding and mentorship to early-career Malagasy scientists to write

their first, first-author publication

***Student and early-career researcher mentorship and co-mentorship***

† mentee/co-mentee is from one or more historically excluded groups in stem in the USA

‡ mentee/co-mentee is from Madagascar

* **Arielle Kim**†, Duke University undergraduate researcher & SPIRE fellow 2023-present
  + Project: Basics of gut microbiome bioinformatics and statistics using dwarf lemurs
* **Mc Antonin Andriamahaihavana**‡, PhD student at the University of Antananarivo 2023-present
  + Project: Ecophysiology of hibernation in wild dwarf lemurs
* **Emily Sandberg**†, Duke University Sophomore & Junior researcher 2022-present
  + Project: Encouraging suspensory locomotion via enrichment for captive ruffed lemurs
* **Yasmireilda Richard**‡, PhD student at the University of Antananarivo 2022-present
  + Project: Gut microbiome of the diurnal lemurs in the Ambohidray Forest
* **Martin Rojo Raony**‡, PhD student at the University of Antananarivo 2022-present
  + Project: Gut microbiome of the nocturnal lemurs in the Ambohidray Forest
* **Katherine Swindell**†& **Brianna Talijaardt**†**,** Wake Tech Community College undergrads Spring 2022
  + Project: Introduction to microbiome science using sifakas
* **Ruby Mustill**, Columbia University postbaccalaureate researcher 2021-present
  + Project: Introduction to mixed modelling using health data from captive ring-tailed lemurs
* **Finaritra Randimbiarison**‡, Aid-for-Articles awardee 2021-present
  + Project: Feeding flexibility in wild Coquerel’s sifakas
* **Hortensia Hosnah**‡, Aid-for-Articles awardee 2021-present
  + Project: Updated density estimates for the critically endangered black sifaka
* **Grazella Andrinambinina**‡**,** Aid-for-Articles awardee 2021-present
  + Project: Local perceptions of Coquerel’s sifakas in the Mariarano region
* **Laura Mahatoly**‡**,** Aid-for-Articles awardee 2021-2023
  + Project: Testing semi-captive enclosures of behavioral research of mouse lemurs
  + Mahatoly et al. 2024. Testing semi-captive settings to study mouse lemur behavior.

*Lemur News,* 24, 29-33.

* **Fefy Ravahatramananjarasoa**‡, Aid-for-Articles awardee 2021-present
  + Project: Foraging behavior in wild *Eulemur cinereiceps*
* **Alice Haystead & Ava Ondik**, Duke University freshman researchers 2021-2022
  + Project: Basics of microbiome science in sifakas
* **Cindy Liu**†, NC State University undergraduate student, 2021-2022
  + Mentored through the Goodnight Scholars Program
* **Alexandra Embs**, University of North Carolina Chapel Hill postbaccalaureate researcher Summer 2021
  + Project: Foraging behavior and microbiome correlates in ruffed lemurs
* **Gemma Baker**, University of Birmingham UK 2020-2021
  + Master’s thesis: Using biomarker analysis of faecal samples to determine the

composition of lemur diets

* **Rona Plant**, University of Birmingham, UK 2020-2022
  + Master’s thesis: An investigation into the effects of geophagy on Ni contamination

in lemurs near Ambatovy Mine, Madagascar

* **Elodi Rambeloson**‡, DLC intern program for Malagasy veterinarians and researchers Spring 2020
  + Project: Translocation of a wild aye-aye into the Anjajavy reserve: Data analysis

and manuscript preparation

* **Casey Farmer**†**,** Duke Lemur Center Research Assistant Summer 2020
  + Project: Foraging and ranging patterns in semi free-ranging lemurs
* **Jean-Basile Andriambeloson**‡, Tsinjoarivo Protected Area 2019-2021
  + Project: The gut microbiome across the annual hibernation cycle in a wild primate
* **Lucy Southon**, University of Birmingham, UK Summer 2019
  + BSc thesis: Are the world’s oldest fossils actually fossils at all? Developing

a biogenicity test for stromatolites

* **Chelsea Southworth**†, Duke University undergraduate 2015-2019
  + Mentored through the University Scholars program
* **Rick Mortenson**, Duke University undergraduate 2017-2018
  + Project: The gut microbiome of captive ruffed lemurs
* **Annabelle Yang**†, Duke University undergraduate 2017-2018
  + Project: The gut microbiomes of captive *Eulemur* with and without forest access
* **Sarah Gorvetzian**, Senior Thesis in Evolutionary Anthropology, Duke University 2016-2017
  + Honors thesis: Environmental factors, not phylogeny, drive the gut microbiome

across 7 captive *Eulemur* species

* **Abena Ansah-Yeboah**†, Duke University undergraduate 2015-2018
  + Mentored through the University Scholars program

**Media Coverage & Interviews** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***By voice***

* Ologies with Alie Ward Dec 2023
  + <https://www.alieward.com/ologies/lemurology>
* The Rossifari Podcast Jan 2023
  + <https://podcasts.apple.com/us/podcast/the-crepuscular-couple-with-dr-marina-blanco-and/id1524216377?i=1000594829639>
* The Rossifari Podcast Jan 2022
  + <https://podcasts.apple.com/us/podcast/lemur-butts-with-dr-lydia-greene-of-the-duke-lemur-center/id1524216377?i=1000547512200>
* Embodied: The Science and Art of your Gut: NC Public Radio. Apr 3, 2020
  + <https://www.wunc.org/post/embodied-science-and-art-your-gut>
* How lemurs may hold the key to healthy aging and even space travel. NC Public Radio Dec 19, 2018
  + <https://www.wunc.org/post/how-lemurs-may-hold-key-healthy-aging-and-even-more-space-travel>

***By video***

* Duke Research & Innovation Instagram, post reached 4 million users Jul 22, 2022
  + <https://www.instagram.com/p/CgUVpa8DEmq/>
* Lemurs | Why do you study that? Duke University Sep 20, 2021
  + <https://www.youtube.com/watch?v=yODnjx2XjEA&ab_channel=DukeUniversity>
* Lemurs Eating Lettuce. Duke University Jul 14, 2020
  + <https://www.youtube.com/watch?v=l03hoK2xsFw>

**Science Communication & Outreach** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Professional social media***

* **Instagram** @lemurscientist; > 10.6k followers 2019-present
* Themes: wildlife biology, biodiversity, science, lemurs, Madagascar, field work STEM careers, academia, graduate school, LGBTQ+ in STEM
* Content: weekly posts, stories, reels, quizzes, and/or Q & A sessions

***Learning labs for school classrooms*** *in collaboration with miniPCR, bio* 2019-2023

* Conservation Genetics Lab: Discovering Lemur Diversity, reach to date: 10-15k students
  + <https://www.minipcr.com/product/lemur-lab/>

***Selected recorded talks for a general audience***

* This Week in Science. Why are lemurs??? Aug 5, 2020
  + <https://www.youtube.com/watch?v=Dy1Xe65DtF4>
* Lemur Science 201: How lemurs survive on leaves. Exploring by the Seat of your Pants Jul 23, 2020
  + <https://www.youtube.com/watch?v=fJhzgCzVC30&t=1s>
* Lemur Science 101: The Why. Exploring by the Seat of your Pants. Jul 9, 2020
  + <https://www.youtube.com/watch?v=lr5PxLtmhbs>

**Service** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Leadership roles***

* Animal Welfare Committee, Duke Lemur Center, member 2022-2023
* Sifaka Focus Group, Duke Lemur Center, founder & coordinator 2022-2023
* University Scholars, Graduate Consul, Duke University 2016-2017
* Nicholas PhD Advocacy Council (NPAC), Co-Chair, Duke University 2016-2017
* Duke Graduate & Professional School Council (GPSC) rep. for Ecology Program 2015-2016

***Grant reviewer***

* National Science Foundation
* National Geographic Society
* The Leaky Foundation

***Selected Journal reviewer***

* American Journal of Primatology
* American Journal of Physical Anthropology
* Animal Microbiome
* BMC Veterinary Research
* Ecology and Evolution
* FEMS Microbiology Ecology
* Frontiers in Ecology and Evolution
* International Journal of Primatology
* Microbiome
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