

**Lydia K. Greene, Ph.D.**  
Lemur Science and Science Communication

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## EDUCATION & RESEARCH POSITIONS

NSF Sponsored Postdoctoral Fellow in Biology, the Duke Lemur Center	2019-present
Research Affiliate in Anne Yoder's Lab, Biology Department, Duke University	2019-present
Ph.D. in Ecology, Duke University	2014-2019
Committee: Christine Drea (advisor), Lawrence David, Ken Glander, Jennifer Wernegreen, Anne Yoder	
Associate in Research, the Drea Lab, Department of Evolutionary Anthropology, Duke University	2011-2014
B.Sc. in Evolutionary Anthropology with distinction, <i>summa cum laude</i> , Duke University	2007-2011

## PUBLICATIONS IN REVIEW

- Greene LK**, Blanco MB, Rabeloson E, Graubics K, Fanelli B, Colwell RR, & Drea CM. Gut microbiota of frugivorous sifakas across environments. *Animal Microbiome*.
- Blanco MB, **Greene LK**, Schopler B, Williams CV, Lynch D, Browning J, Welser K, Simmons M, Klopfer PH & Ehmke EE. On the modulation and maintenance of hibernation in dwarf lemurs at the Duke Lemur Center, USA. *Scientific Reports*.
- Guevara EE, **Greene LK**, Farmer C, Ranaivonasy J, Ratsirarson J, Mahefarisoa KL, Ranaonarivelo T, Rakotodrainibe HH, Junge RE, Williams CV, Lawler RR, Bradley BJ, & Yoder AD. Convergent evolution of the *RNASE1* gene in folivorous lemurs. *Molecular Biology and Evolution*.
- Guevara EE, Webster TH, Lawler RR, Bradley BJ, **Greene LK**, Ranaivonasy J, Ratsirarson J, Harris RA, Liu Y, Murali S, Raveendran M, Hughes DST, Muzny DM, Yoder AD, & Rogers J. Comparative genomic analysis of sifakas (*Propithecus*) reveals selection for folivory and high heterozygosity despite population declines. *Science Advances*.
- Drea CM, Davies CS, **Greene LK**, Mitchell J, Dimac-Stohl KA, Feldblum JK, Smyth KN, Clutton-Brock TH. Androgens mediate female dominance and reproductive skew in cooperatively breeding meerkats. *Science*.

## PUBLICATIONS

- Blanco MB, **Greene LK**, Rasambainarivo F, Toomey E, Williams RC, Andrianandrasana, L, Larsen PA, & Yoder AD. 2020 Next-generation technologies applied to age-old challenges in Madagascar. *Conservation Genetics*, 21, 785-793.
- Andriambeloson JB, **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.
- 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.
- Greene LK**, Williams CV, Junge RE, Mahefarisoa KL, Rajaonarivelo T, Rakotondrainibe H, O'Connell TM, & Drea CM. 2020. A role for gut microbiota in host niche differentiation. *The ISME Journal*, 14, 1675-1687.
- Blanco MB, Rudman A, **Greene LK**, Razafindrainibe F, Andrianandrasana L, Welch C. 2020. Back to basics: Gaps in baseline data call for revisiting an Environmental Education program in the SAVA region, Madagascar. *PLoS ONE*, 15, e0231822.
- 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.
- Greene LK**, Clayton JB, Rothman RS, Semel BP, Semel MA, Gillespie TR, Wright PC & Drea CM. 2019. Local habitat, not phylogenetic relatedness, predicts gut microbiota better within folivorous than frugivorous lemur lineages. *Biology Letters*, 15, 20190028.
- Bornbusch SL, **Greene LK** ... Gunsch CK. 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, Pälke H, Thomas E, **Greene LK**, Hoogakker BAA. 2019. Early Cenozoic decoupling of climate and carbonate compensation depth trends. *Paleoceanography and Paleoclimatology*, 34, 930-945.

- Greene LK**, Bornbusch SL, McKenney EA, Harris RL, Gorvetzian SR, Yoder AD, & Drea CM. 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
- 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**, Mitchell J, Clutton-Brock TC, & Drea CM. 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, Mitchell J, Clutton-Brock TH, & Drea CM. 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 Nature of Science*, 103, 37.
- Greene LK\***, Grogan KE\*, Smyth KN, Adams CA, Klager SA, & Drea CM. 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\*** 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, Goodwin TE, & Dubay GR. 2013. The "secret" in secretions: methodological considerations in deciphering primate olfactory communication. *American Journal of Primatology*, 75, 1-22.

\*Co-first authors

## COMMENTARIES AND REPORTS

- Greene LK**, Blanco MB, Williams RC, Yoder AD, & Larsen PA. 2019/2020. Lemur genetics workshop on Nanopore technology in Antananarivo, Madagascar. *Lemur News*, 22, 4-6.

## PUBLICATIONS IN PREPARATION

- Greene LK**, Rabeloson E, Rasoanaivo H, Blanco MB. The gut microbiota of four lemur species inhabiting the Anjajavy forest, northwestern Madagascar. *International Journal of Primatology*.
- Elodi R, Andriambeloson JB, Blanco MBB, **Greene LK**, Rasoanaivo H, Ramarokoto R, Hery P. Initial translocation and reintroduction of the aye-aye (*Daubentonia madagascariensis*) in the Anjajavy Reserve, Northwestern Madagascar. *Folia Primatologica*

## FELLOWSHIPS AND GRANTS

- Arts & Science Council Committee on Faculty Research, Duke University, 2020
- Duke Lemur Center Directors Funds, September 2019
- National Science Foundation Postdoctoral Fellowship in Biology using Biological Collections, 2019-2021
- Duke Lemur Center Directors Funds, September 2018
- Duke Microbiome Center, Grant-In-Aid for Microbiome Science, August 2018
- Lemur Conservation Action Fund, July 2018
- Lemur Conservation Action Fund, April 2018
- NSF Doctoral Dissertation Research Improvement Grant (DDRIG), 2018
- Duke Summer Research Fellowship, 2018
- E. Bayard Halsted Fellowship, Duke University, 2017-2018
- Nicholas PhD Advocacy Council Small Grant, 2017

Margot Marsh Biodiversity Foundation grant, 2017  
Evolutionary Anthropology Mentorship Awards, Duke University, 2016-2018  
IBIEM Graduate Trainee Fellowship, Duke University, 2016  
Dissertation Research Travel Award: International, Duke University, 2016  
Duke Lemur Center Directors Fund, 2015  
Duke Data Expeditions, Pathfinder fellow, 2014-2015 & 2015-2016  
Margot Marsh Biodiversity Foundation grant, 2015  
National Science Foundation Graduate Research Fellow (NSF GRFP), 2014- 2019  
James B. Duke Fellow, Duke University, 2014- 2019  
Duke University Scholars Fellowship, Duke University, 2014- 2019  
Arts & Science Council Committee on Faculty Research, Duke University, summer 2014  
Undergraduate Research Support Award, Duke University, 2010  
Molly Glander Awards, Duke Lemur Center, 2009-2011  
Dean's Summer Research Fellowships, Duke University 2009 & 2010  
German Academic Exchange Fellowship, 2009

## INVITED ACADEMIC TALKS AND PRESENTATIONS

- Greene LK**, Eley YL, Greene SG, O'Connell TC, & Ehmke EE. Developing a geocological fecal toolkit for primate conservation. eLightning talk presented at the American Geological Union conference, December 12<sup>th</sup>, 2019.
- Greene LK**, Williams CV, Junge RE, Mahefarisoa KL, Rajaonarivelo T, Rakotondrainibe H, O'Connell TM, & Drea CM. The role of gut microbiomes in host niche differentiation. Presentation at the Allee Competition, Animal Behavior Society Conference, July 25<sup>th</sup>, 2019
- Greene LK**. Can we use microbes to save lemurs? Talk given at Duke University's GradX seminar. April 1<sup>st</sup>, 2019.
- Greene LK**. The evolution and ecology of Madagascar's lemurs (and their gut microbes). Invited seminar at the University of Birmingham, Geology and Palaeobiology seminar series. January 9<sup>th</sup>, 2019.
- Greene LK**, McKenney EA, O'Connell TM, & Drea CM. Dietary foliage regulates the gut microbiome and colonic metabolome of captive Coquerel's sifakas. American Association of Physical Anthropologists annual conference, Podium Presentation, April 14<sup>th</sup>, 2018.
- Greene LK**. The influence of foliage diversity on the gut microbiome and colonic metabolome of captive Coquerel's sifakas. Nicolas School for the Environment's inaugural PhD Symposium, podium presentation, Feb 9<sup>th</sup>, 2018
- McKenney EA & **Greene LK**. Living the 'gut' life: The sifaka gut microbiome from infancy to adulthood. Invited talk given at the Duke Lemur Center's Lemurs! Science! Beer! Talk Series, May 5<sup>th</sup>, 2017.
- Greene LK**. The relativity of lemurs: Our primate cousins through space and time. Invited talk given at the University Scholars Program's seminar series, November 30<sup>th</sup>, 2016.
- Greene LK**. The gut microbiome: Where primate, molecular, and conservation ecology meet. Invited lecture given to Primate Ecology class at Duke University, November 28<sup>th</sup>, 2016.
- Greene LK** & McKenney EA. Personalized disease: Response and individual variation of the gut microbiome to *Cryptosporidium* infection in the Coquerel's sifaka. Invited poster presented at the DLC's 50<sup>th</sup> Anniversary Symposium, September 22<sup>nd</sup>, 2016.
- Greene LK**. Why Madagascar's lemurs are a great system for research and conservation. Invited talk given to Fish & Wildlife's Brown Bag Lunch Seminar, June 16<sup>th</sup>, 2016.
- Greene LK**. Making a stink: The function and production of olfactory signals in ring-tailed lemurs. Invited talk given at the Duke Lemur Center Seminar Series, Duke Lemur Center, Durham, NC, May 18<sup>th</sup>, 2016.
- McKenney EA & **Greene LK**\* In sickness and in health: Gut microbiomes respond to enteric pathogens in Coquerel's sifakas (*Propithecus coquereli*). Poster presented at the 1<sup>st</sup> Joint Ecology Marine Symposium (JEMS), Duke University Marine Lab, Beaufort, NC, November 14<sup>th</sup>, 2015
- Greene LK**. For lemurs, odors may speak louder than words. Invited talk given at the Summer Interns Talk Series, Duke Lemur Center, Durham, NC, June 16<sup>th</sup>, 2015.
- Greene LK**, Dubay G, & Drea CM. Sociality and multimodal scent signaling: the within-group functions of single and composite odorants in sifakas. Poster presented at the 15<sup>th</sup> International Society for Behavioral Ecology (ISBE), New York, New York, 2014
- Greene LK**. Why lemurs literally make a stink about everything. Invited talk given at the Summer Interns Talk Series, Duke Lemur Center, Durham, NC. July 15<sup>th</sup>, 2014.
- Greene LK**, Grogan KE, Smyth KN, Adams CA, Klager SA, & Drea CM. Sending mixed signals: testing the 'fixative

hypothesis' of composite olfactory cues in male ring-tailed lemurs. Oral presentation at the joint International Society for Chemical Ecology (ISCE) and Chemical Signals in Vertebrates Conference (CSiV), Urbana-Champaign, Illinois, 2014.

**Greene LK**, Dubai G, & Drea CM. Sending mixed signals: olfactory communication in Coquerel's sifakas, *Propithecus coquereli*. Poster presented at the 1<sup>st</sup> joint meeting of Animal Behavior Society (ABS) & International Ethological Conference (IEC), Bloomington, Indiana, 2011.

## HONORS AND AWARDS

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  
Dean's List, Dean's List with Distinction, Duke University, 2007-2011

## RELEVANT SKILLS

**Field work:** Radio telemetry & tracking, behavioral observation, trapping, handling & release, anesthesia administration, collaring, collection of morphometric measurements, tissue, blood, oral swab, and fecal sampling.

**Laboratory work:** 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).

**Bioinformatics & Statistics:** QIIME 1 and 2, Geneious, R, JMP, and GraphPad Prism software programs.

## BROADER IMPACTS: TEACHING & MENTORSHIP

### Academic Teaching

Invited lecture, Special Topics in Biology, University of Nebraska Omaha, 2020  
Workshop leader, *Eliurus* species confirmation using a mobile genetics laboratory, University of Antananarivo, 2019  
Invited lecture, Primate Ecology, Duke University, October 23<sup>rd</sup>, 2019  
Workshop leader, Genetics in Madagascar, University of Antananarivo & CURSA University, 2018  
Teaching Assistant and Discussion leader, Primate Sexuality, Duke University, Spring semester, 2018  
Invited lecture, Primate Ecology, Duke University, November 28<sup>th</sup>, 2016  
Invited speaker & research presenter, Psyc 701: Behavior and its Biological Bases, UNC Chapel Hill, October 17<sup>th</sup>, 2016  
Invited speaker, Primate Biology: Lemurs, Lorises, and Bushbabies, Duke TIP, June 24<sup>th</sup>, 2016  
Invited speaker, Biology 490s: Microbiomes: Coevolution, Duke University, February 26<sup>th</sup>, 2016  
Duke Data Expeditions Program, 2014-2015 & 2015-2016

### Mentorship

Gemma Baker, University of Birmingham MSci, 2020-present  
Rona Plant, University of Birmingham MSci, 2020-present  
Elodi Rambelison, Duke Lemur Center intern program for Malagasy veterinarians and researchers, 2020  
Casey Farmer, Duke Lemur Center Research Assistant, summer 2020  
Lewis Rickards, University of Birmingham MSc, summer 2020  
Dan Myers, University of Birmingham MSc, summer 2020  
Jean-Basile Andriambelison, Tsinjoarivo Protected Area, 2019-present  
Michelle Larsen, Senior Thesis in Biology, Duke University, 2019-2020  
Stephanie Hargrave, DLC Research Intern, Fall 2019  
Lucy Southon, University of Birmingham BSc, summer 2019  
Chelsea Southworth, Duke University undergraduate, 2015-2019  
Hoby Rasoanaivo, Anjajavy Protected Area, 2018  
Rambelison Elodi, Anjajavy Protected Area, 2018  
Rick Mortenson, Duke University undergraduate, 2017-2018  
Annabelle Yang, Duke University undergraduate, 2017-2018  
Sarah Gorvetzian, Senior Thesis in Evolutionary Anthropology, Duke University, 2016-2017  
Abena Ansah-Yeboah, Duke University undergraduate, 2015-2018  
Hannah Derrick, Duke University undergraduate, 2014-2015

Kristin Dimac, UNC Chapel Hill undergraduate, 2013-2014

Christine Adams, Senior Thesis in Evolutionary Anthropology, Duke University, 2013-2014

Skylar Klager, Senior Thesis in Evolutionary Anthropology, Duke University, 2012-2013

## **BROADER IMPACTS: SCIENCE COMMUNICATION & OUTREACH**

### **Professional Social Media**

Instagram: @lemurscientist

**Lemur Learning Labs**, in collaboration with miniPCR bio, 2019-present

- We develop educational modules for U.S. classrooms that provide hands-on experience in molecular techniques through the lens of current research on lemur ecology, evolution, and conservation.

### **Recent Recorded Talks and Interviews**

This Week in Science. Why are lemurs??? Aug 5<sup>th</sup>, 2020.

<https://www.youtube.com/watch?v=Dy1Xe65DtF4>

Lemurs Eating Lettuce. Duke University. Jul 14<sup>th</sup>, 2020.

<https://www.youtube.com/watch?v=103hoK2xsFw>

Lemur Science 201: How lemurs survive on leaves. Exploring by the Seat of your Pants. Jul 23<sup>rd</sup>, 2020

<https://www.youtube.com/watch?v=fJhzgCzVC30&t=1s>

Lemur Science 101: The How. Exploring by the Seat of your Pants. Jul 16<sup>th</sup>, 2020.

<https://www.youtube.com/watch?v=x8Nti2eChvY&t=2557s>

Lemur Science 101: The Why. Exploring by the Seat of your Pants. Jul 9<sup>th</sup>, 2020.

<https://www.youtube.com/watch?v=lr5PxLtmhbs>

Embodied: The Science and Art of your Gut: North Carolina Public Radio. Apr 3<sup>rd</sup>, 2020.

<https://www.wunc.org/post/embodied-science-and-art-your-gut>

How lemurs may hold the key to healthy aging and even more space travel. NC Public Radio: Dec 19<sup>th</sup>, 2018.

<https://www.wunc.org/post/how-lemurs-may-hold-key-healthy-aging-and-even-more-space-travel>

### **Blogs and Non-recorded talks**

Duke Lemur Center blogger, 2019-present

Why ruffed lemurs (and their gut microbes) need to eat greens. Duke Research Blog. 2020.

Inner Workings: Technique to study poop offers a snapshot of diets, ecosystems, and climate. 2020. PNAS Inner Workings by A McDermott, 22: 11847-11849.

Virtual Earth Day Extravaganza, Duke Lemur Center, 2020

Tour Guide & Educational docent, Duke Lemur Center (DLC), Durham, NC, 2007-2019

Duke Camp for 7<sup>th</sup> graders, Research lecture, 2019

The Science of Lemur Love and Reproduction, research demonstrator, Wild Workshops, Duke Lemur Center, 2019

Anjajavy Lodge & Reserve, guest researcher & presenter, Anjajavy, Madagascar, summer 2017 & 2018

Environment Day, educational presenter, SAVA region, Madagascar, summer 2017

AnkomPalooza, organizer & presenter at a lemur festival, Manantenina Primary School, SAVA, Madagascar, spring 2017

Family Day, Duke Lemur Center educational docent & researcher, fall 2016

TRUtalks by UNC. TRU Deli & Wine Bar, invited speaker. 2016

North Carolina School of Science and Mathematics, invited presenter, fall 2016

San Francisco Zoo, Duke Alumni Association, Duke Lemur Center Educational docent, San Francisco CA, fall 2016

Chadwick Village School, Duke Lemur Center Presentation, Palos Verdes CA, fall 2016

Lemur Palooza, Duke Lemur Center educational docent & researcher, fall 2016

Lemur Palooza, Duke Lemur Center educational docent & researcher, summer 2016

Duke TIP, invited lecturer, Primate Biology: Lemurs, Lorises, and Bushbabies, Duke Lemur Center, 2016

St. Mary's School for Girls Summer Camp, Duke Lemur Center research presenter, 2016

Lemur Palooza, Duke Lemur Center educational docent & researcher, spring 2016

Lemur Love, invited online blogger, Ask a Lemur Researcher Tuesday, 2016

MoBio, Online blogger, 2016

NC Science & Engineering Fair, invited speaker & research presenter, 2016

Science Café, NC Museums of Natural Sciences, invited speaker, 2016

American Scientist Macroscope, invited online blogger for World Lemur Day, 2015  
World Lemur Day, Duke Lemur Center educational docent, 2015  
Writing 101: Monkey Mind reading, Duke Lemur Center research presenter, Duke University, 2015  
Lemur Palooza, Duke Lemur Center educational docent, fall 2015  
Science under the Stars, Duke Lemur Center research presenter, Duke University, 2015  
BugFest, Duke Lemur Center educational docent, North Carolina Museum of Natural Sciences, 2015  
'Meet a scientist', Instagram blogger, Duke Lemur Center, summer 2015  
St. Mary's School for Girls Summer Camp, Duke Lemur Center, research presenter, 2015  
Leaping Lemurs Summer Science Camp, Duke Lemur Center, research speaker & presenter, 2015  
Project Scientist, STEM Superstar speaker, 2015  
RTP STEM Expo, research presenter, NC Science Festival, 2015  
Duke Writing 101: Monkey Mindreading, invited research presenter, 2014 & 2015  
ScienceOnline, invited research presenter, 2014  
Evening with the Experts, Duke Lemur Center, invited speaker, 2014.  
Teen TV Program for 9<sup>th</sup>-12<sup>th</sup> graders, interviewee, Durham, NC, 2013  
St. Mary's School for Girls Summer Camp, invited research presenter, 2013  
Superstar Scientist and Destination Lab, Science Summer Camp for rising 8<sup>th</sup> graders. The Duke Center for Science Education, invited speaker, 2011 & 2012  
Duke Lemur Center, invited online blogger, 2011

### **Leadership Roles**

University Scholars, Graduate Consul, Duke University, 2016-2017  
Nicholas PhD Advocacy Council (NPAC), Co-Chair, Duke University, 2016-2017  
Duke Vespers Ensemble, choir president, 2015-2017  
Nicholas PhD Advocacy Council (NPAC), GPSC rep., Duke University, 2015-2016  
Graduate & Professional School Council (GPSC) rep. for Ecology Program, Duke University, 2015-2016  
Duke Council for the Arts, member, 2015-2016  
NPAC Orientation Committee for incoming PhD students, member, Duke University, 2015  
University Program in Ecology (UPE) recruitment committee member, 2015

### **Grant reviewer**

Leaky Foundation  
National Geographic Society  
National Science Foundation

### **Journal reviewer**

American Journal of Primatology  
American Journal of Physical Anthropology  
Animal Microbiome  
Ecology and Evolution  
Microbiome  
Chemical Signals in Vertebrates

### **Professional Affiliations**

American Association of Physical Anthropologists  
Animal Behavior Society  
American Geological Union  
International Primatological Society  
Sigma Xi, Scientific Research Society  
American Association for the Advancement of Science (AAAS)