CURRICULUM VITAE

DR. ANDREW H. MOELLER
DEPARTMENT OF ECOLOGY AND EVOLUTIONARY BIOLOGY
PRINCETON UNIVERSITY
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PROFESSIONAL EXPERIENCE

2024–present	Assistant Professor, Department of Ecology and Evolutionary Biology, Princeton University
2018–2024	Assistant and Associate Professor (with tenure), Department of Ecology and Evolutionary Biology, Cornell University
2015–2018	Miller Research Fellow, Department of Integrative Biology, University of California, Berkeley
2013–2015	Visiting Scholar**,** Department of Integrative Biology, University of Texas, Austin

EDUCATION

PhD	2015	Yale University, New Haven, CT, USA PhD in Ecology and Evolutionary Biology, December 2015
BSc	2010	University of South Carolina, Columbia, SC, USA BSc in Biological Sciences, May 2010

EXTERNAL GRANTS

2024–2028	National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases, R01 ($1,813,203) (sole PI)
2020–2025	National Institutes of Health, National Institute of General Medical Sciences, R35 Maximizing Investigators' Research Award for Early-Stage Investigators ($1,960,380) (sole PI)
2020–2023	United States Department of Agriculture, National Institute of Food and Agriculture, Hatch Grant ($90,000) (sole PI)

AWARDS AND HONORS

2026	Keynote Speaker, 37th Congress on Gastrointestinal Function, Champaign–Urbana, IL, USA
2024	Keynote Speaker, 7th International Mouse Meeting, Porto, Portugal
2022	Cornell University's College of Agriculture and Life Sciences Research and Extension Award for Early Achievement

2016	John Spangler Nicholas Prize for Best Dissertation in Yale EEB
2015	Miller Research Fellowship, Miller Institute for Basic Research in Science at the University of California, Berkeley
2012	National Science Foundation Graduate Research Fellowship

INVITED SEMINARS AND CONFERENCES

2026	Department of Ecology and Evolutionary Biology, The University of Chicago, Chicago, IL, USA **Invited Seminar**
2026	Department of Ecology and Evolution, Stony Brook University, Stony Brook, NY, USA **Invited Seminar**
2025	*Gordon Research Conference on Animal-Microbe Symbioses*, Portland, ME, USA **Invited Oral Presentation**
2025	Department of Organismic and Evolutionary Biology, The University of Massachusetts Amherst, Amherst, MA, USA **Invited Seminar**
2025	Department of Microbiology, Stanford University, Palo Alto, CA, USA **Invited Seminar**
2024	The Max Planck Institute for Chemical Ecology, Jena, Thuringia, Germany **Invited Seminar**
2023	Center for Computational, Evolutionary and Human Genomics, Stanford University, Palo Alto, CA, USA **Invited Seminar**
2023	Department of Biology, Syracuse University, Syracuse, NY, USA **Invited Seminar**
2023	*Distinguished Speaker Seminar Series*, The Max Planck Institute for Biology, Tübingen, Baden-Württemberg, Germany **Invited Seminar**
2023	Department of Human Evolutionary Biology, Harvard University, Boston, MA, USA **Invited Seminar**
2023	Department of Ecology and Evolutionary Biology, Princeton University, Princeton, NJ, USA **Invited Seminar**
2022	Department of Molecular and Cell Biology, University of Connecticut, Storrs, CT, USA **Invited Seminar**
2022	*Keystone Symposia on The Human Microbiome & Antimicrobial Resistance*, Banff, Alberta, Canada

Invited Oral Presentation

2022 *American Society for Microbiology Microbe*, Washington, DC, USA
Invited Oral Presentation

2021 Department of Biology, University of Florida, Gainesville, FL, USA
Invited Seminar

2019 Department of Biology, University of Pittsburgh, Pittsburgh, PA, USA
Invited Seminar

2019 Department of Biology, University of Rochester, Rochester, NY, USA
Invited Seminar

2019 Ecology, Evolutionary Biology, and Behavior Program, Michigan State University, East Lansing, MI, USA
Invited Seminar

2018 School of Public Health, University of Michigan, Ann Arbor, MI, USA
Invited Seminar

2018 Department of Biology, University of San Francisco, San Francisco, CA, USA
Invited Seminar

2017 Collaborative Research Center, Origin and Function of Metaorganisms, Kiel University, Kiel, Schleswig-Holstein, Germany
Invited Seminar

2017 *Gordon Research Conference on Ecological and Evolutionary Genomics*, Biddeford, ME, USA
Invited Oral Presentation

2017 Department of Ecology and Evolutionary Biology, Cornell University, Ithaca, NY, USA
Invited Seminar

2017 Department of Biology, University of Maryland, College Park, MD, USA
Invited Seminar

2017 Laboratory of Genetics, University of Wisconsin, Madison, WI, USA
Invited Seminar

2017 BioSciences, Rice University, Houston, TX, USA
Invited Seminar

2016 *Exploring the Microbiome and Disease on the International Space Station*, Cleveland, OH, USA
Invited Participant

2016 *Bay Area Population Genetics XIV*, San Francisco, CA, USA
Selected Oral Presentation

2016 *Evolution*, Austin, Texas, USA
Selected Oral Presentation

2016 *Darwin Day*, Charleston, Illinois, USA

Invited Seminar

2015 *Society for Molecular Biology and Evolution 2015,* Vienna, Austria
Selected Oral Presentation

2014 *Society for Molecular Biology and Evolution Satellite Meeting.* Mishima, Shizuoka, Japan
Poster Presentation

2012 *International Society for Microbial Ecology 14.* Copenhagen, Denmark
Selected Oral Presentation

PUBLICATIONS

Google Scholar Profile: tinyurl.com/nbked64

Reviews are marked with asterisks (*).

Superscripts denote graduate student[1], postdoc[2], undergraduate[3], and co-advised postdoc[4] co-authors.

Dillard, Brian A., Jon G. Sanders, Azhar P. Husain, Kelsey M. Yule, **Andrew H. Moeller**. 2025. Isolation by distance promotes strain diversification in the wild mouse gut microbiota. *Under review*.

Real, Madalena V.F.[1], Maren N. Vitousek, Michael J. Sheehan, **Andrew H. Moeller**. 2025. The mouse gut microbiota responds to predator odor and predicts host behavior. *Under review*.

Bruijning, Marjolein, **Andrew H. Moeller**, Gavriela Carver, Mohamed S. Donia, Britt Koskella, Prerna Singh, C. Jessica E. Metcalf. 2025. The bacterial march to endosymbiosis: on-ramps and off-ramps. *Under review*.

Sprockett, Daniel D.[2], Brian A. Dillard[1], Abigail A. Landers[1], Jon G. Sanders[2], **Andrew H. Moeller**. 2025. Recent genetic drift in the co-diversified gut bacterial symbionts of laboratory mice. *Nature Communications* 16: 2218.

Moeller, Andrew H. 2025. Partner fidelity, not geography, drives co-diversification of gut microbiota with hominids. *Biology Letters* 21: 20240454.

Zipple, Matthew N.[4], Dan C. Kuo, Xinmiao Meng, Tess M. Reichard, Kwynn Guess, Caleb C. Vogt, **Andrew H. Moeller**, Michael J. Sheehan. 2025. Competitive social feedback amplifies the role of early life contingency in male mice. *Science* 387: 81–85.

Moeller, Andrew H., Brian A. Dillard[1], Samantha L. Goldman[1], Madalena V. F. Real[1], Daniel D. Sprockett[2]. 2024. Removal of sequencing adapter contamination improves microbial genome databases. *BMC Genomics* 25: 1033.

Goldman, Samantha L.[1], Jon G. Sanders[2], Daniel D. Sprockett[2], Abigail A. Landers[1], Weiwei Yan, **Andrew H. Moeller**. 2024. Hackflex library preparation enables low-cost metagenomic profiling. *ISME Communications* 4: ycae075.

Vogt, Caleb C., Matthew Zipple[4], Daniel D. Sprockett[2], Caitlin H. Miller, Summer Hardy,

Matthew Arthur, Adam Greenstein, Melanie Colvin, **Andrew H. Moeller**, Michael J. Sheehan. 2024. Female behavior drives the formation of distinct social structures in C57BL/6J versus wild-derived outbred mice in field enclosures. *BMC Biology* 22: 35.

Real, Madalena V. F.[1], Melanie S. Colvin, Michael J. Sheehan, **Andrew H. Moeller**. 2024. Major urinary protein (*Mup*) gene family deletion drives sex-specific alterations in the house mouse gut microbiota. *Microbiology Spectrum* e03566-23.

Sarkar, Amar, Cameron J. A. McInroy, Siobhán Harty, Aura Raulo, Neil G. O. Ibata, Mireia Vallès-Colomer, Katerina V.-A. Johnson, Ilana L. Brito, Joseph Henrich, Elizabeth A. Archie, Luis B. Barreiro, Francesca S. Gazzaniga, B. Brett Finlay, Eugene V. Koonin, Rachel N. Carmody[5], **Andrew H. Moeller[5]**. 2024. Microbial transmission in the social microbiome and host health and disease. *Cell* 187: 17–43. * [5]These authors contributed equally.

Brunetti, Andrés E., Mariana Lyra, Juliane Monteiro, Juan Zurano, Diego Baldo, Célio Haddad, and **Andrew H. Moeller**. 2023. Convergence of gut microbiota in myrmecophagous amphibians. *Proceedings of the Royal Society B: Biological Sciences* 290: 20232223.

Moeller, Andrew H., Jon G. Sanders[2], Daniel D. Sprockett[2], and Abigail A. Landers[1]. 2023. Assessing co-diversification in host-associated microbiomes. *Journal of Evolutionary Biology* 36: 1659–1668. *

Trevelline, Brian K.[2], Daniel D. Sprockett[2], William V. Deluca, Catherine R. Andreadis[3], **Andrew H. Moeller**[5], Christopher Tonra[5]. 2023. Convergent remodeling of the gut microbiome is associated with host energetic condition over long-distance migration. *Functional Ecology* 37: 2840–2854. [5]These authors contributed equally.

Sanders, Jon G.[2], Daniel D. Sprockett[2], Yingying Li, Deus Mjungu, Elizabeth V. Lonsdorf, Jean-Bosco Ndjango, Alexander V. Georgiev, John H. Hart, Crickette Sanz, David Morgan, Martine Peeters, Beatrice H. Hahn, **Andrew H. Moeller**. 2023. Widespread extinctions of co-diversified primate gut bacterial symbionts from humans. *Nature Microbiology* 8: 1039–1050.

Sprockett, Daniel D.[2], Jeffrey D. Price, Anthony F. Juritsch, Robert J. Schmaltz, Madalena V. F. Real[1], Samantha L. Goldman[1], Michael J. Sheehan, Amanda E. Ramer-Tait, and **Andrew H. Moeller**. 2023. Home-site advantage for host species–specific gut microbiota. *Science Advances* 9: eadf5499.

Moeller, Andrew H. 2023. Metagenomic signatures of balancing selection in the human gut. *Molecular Ecology* 10: 2582–2591. **Highlighted by Faculty Opinions**

Sanders, Jon G.[2], Weiwei Yan, Deus Mjungu, Elizabeth V. Lonsdorf, John A. Hart, Crickette M. Sanz, David B. Morgan, Martine Peeters, Beatrice H. Hahn, **Andrew H. Moeller**. 2022. A low-cost genomics workflow enables isolate screening and strain-level analyses within microbiomes. *Genome Biology* 23: 212.

Moeller, Andrew H. 2022. Loyal gut microbes. *Science* 377: 1263–1264. (Invited Commentary)

Dillard, Brian A.[1], Albert K. Chung, Alex R. Gunderson, Shane Campbell-Staton, **Andrew H. Moeller**. 2022. Humanization of wildlife gut microbiota in urban environments. *eLife* 11: e76381.

Hernandez, Christopher J., **Andrew H. Moeller**. 2022. The microbiome: a heritable contributor to bone morphology? *Seminars in Cell and Developmental Biology* 123: 82–87. *

Trevelline, Brian K.[2], **Andrew H. Moeller**. 2022. Robustness of mammalian gut microbiota to humanization in captivity. *Frontiers in Ecology and Evolution* 9: 889.

Goldman, Samantha L.[1], Jon G. Sanders[2], Weiwei Yan, Anthony Denice, Margaret Cornwall, Kathleen N. Ivey, Emily N. Taylor, Alex Gunderson, Michael J. Sheehan, Deus Mjungu, Elizabeth V. Lonsdorf, Anne E. Pusey, Beatrice H. Hahn, **Andrew H. Moeller**. 2022. Culture-enriched molecular profiling improves resolution of the vertebrate gut microbiota. *Molecular Ecology Resources* 22: 122–136.

Sarkar, Amar, Siobhán Harty, **Andrew H. Moeller**, Sabra L. Klein, Susan E. Erdman, Karl J. Friston, Rachel N. Carmody. 2021. The gut microbiome as a biomarker of differential susceptibility to SARS-CoV-2. *Trends in Molecular Medicine* 27: 1115–1134. *

Houtz, Jennifer L.[1], Jon G. Sanders[2], Anthony Denice, **Andrew H. Moeller.** 2021. Predictable and host-species specific humanization of the gut microbiota in captive primates. *Molecular Ecology* 30: 3677–3687.

Moeller, Andrew H. 2021. Genomic expansions in the human gut microbiome. *Genome Biology and Evolution* 13: evab156.

Sprockett, Daniel D.[2], **Andrew H. Moeller**. 2021. Microbiomes: Infant chimps crawling with bacteria. *Current Biology.* 31: R124–R126. (Invited Commentary)

Sarkar, Amar, Siobhán Harty, Katerina V. A. Johnson, **Andrew H. Moeller**, Rachel N. Carmody, Soili M. Lehto, Susan E. Erdman, Robin I. M. Dunbar, Philip W. J. Burnet. 2020. The role of the microbiome in the neurobiology of social behavior. *Biological Reviews* 95: 1131–1166. *

Moeller, Andrew H., Jon G. Sanders[2]. 2020. Roles of the gut microbiota in the adaptive evolution of mammalian species. *Philosophical Transactions of the Royal Society B* 375: 20190597. *

Moeller, Andrew H., Kathleen Ivey, Margaret B. Cornwall, Kathryn Herr[1], Jordan Rede[1], Emily N. Taylor, Alex R. Gunderson. 2020. The lizard gut microbiome changes with temperature and is associated with heat tolerance. *Applied and Environmental Microbiology* 86: e01181-20. **Highlighted by AEM editors as one of five top-cited articles from 2020–2022.**

Sarkar, Amar, Siobhán Harty[5], Katerina V.-A. Johnson[5], **Andrew H. Moeller[5]**, Rachel N. Carmody, Elizabeth A. Archie, Robin I. M. Dunbar, Philip W. J. Burnet. 2020. Microbial transmission in animal social networks and the social microbiome. *Nature Ecology and Evolution* 4: 1020–1025. [5]These authors contributed equally. *

Sepulveda, Juan[3], **Andrew H. Moeller**. 2020. The effects of temperature on animal gut microbiomes. *Frontiers in Microbiology* 11: 384. *

Moeller, Andrew H., João C. Gomes-Neto, Sara Mantz, Hatem Kittana, Rafael R. Segura Munoz, Robert J. Schmaltz, Amanda E. Ramer-Tait, and Michael W. Nachman. 2019. Experimental evidence for adaptation to species-specific gut microbiota in house mice. *mSphere* 4: e00387-19.

Moeller, Andrew H., Taichi A. Suzuki, Megan Phifer-Rixey, Michael W. Nachman. 2018. Transmission modes of the mammalian gut microbiota. *Science* 362: 453–457.

Sarkar, Amar, Siobhán Harty, Soili M. Lehto, **Andrew H. Moeller**, Timothy G. Dinan, Robin IM Dunbar, John F. Cryan, and Philip WJ Burnet. 2018. The microbiome in psychology and cognitive neuroscience. *Trends in Cognitive Sciences* 22: 611–636. *

Barbian, Hannah J., Yingying Li, Miguel Ramirez, Zachary Klase, Iddi Lipende, Deus Mjungu, **Andrew H. Moeller**, Michael L. Wilson, Anne E. Pusey, Elizabeth V. Lonsdorf, Frederic D. Bushman, and Beatrice H. Hahn. 2018. Destabilization of the gut microbiome marks the end-stage of Simian Immunodeficiency virus infection in wild chimpanzees. *American Journal of Primatology* 80: e22515.

Moeller, Andrew H., Taichi Suzuki, Dana Lin, Eileen A. Lacey, Samuel K. Wasser, Michael W. Nachman. 2017. Dispersal limitation promotes the diversification of the mammalian gut microbiota. *Proceedings of the National Academy of Sciences* 52: 13768–13773.

Moeller, Andrew H. 2017. The shrinking human gut microbiome. *Current Opinion in Microbiology* 38: 30–35. *

Raymann, Kasie T., **Andrew H. Moeller**, Andrew L. Goodman, Howard Ochman. 2017. Unexpected archaeal diversity in the great ape gut microbiome. *mSphere* 2: e00026-17.

Moeller, Andrew H., Alejandro Caro-Quintero, Deus Mjungu, Alexander V. Georgiev, Elizabeth V. Lonsdorf, Martin N. Muller, Anne E. Pusey, Martine Peeters, Beatrice H. Hahn, and Howard Ochman. 2016. Cospeciation of gut microbiota with hominids. *Science* 353: 380–382.

Moeller, Andrew H., Steffen Foerster, Michael L. Wilson, Anne E. Pusey, Beatrice H. Hahn, and Howard Ochman. 2016. Social behavior shapes the chimpanzee pan-microbiome. *Science Advances* 2: e1500997.

Moeller, Andrew H., Martine Peeters, Ahibjo Ayouba, Eitel Mpoudi Ngole, Amadine Esteban, Beatrice H. Hahn, and Howard Ochman. 2015. Stability of the gorilla microbiome despite simian immunodeficiency virus infection. *Molecular Ecology* 24: 690–697.

Waldor, Matthew K., Gene Tyson, Elhanan Borenstein, Howard Ochman, **Andrew H. Moeller**, B. Brett Finlay, Heidi H. Kong, et al., 2015. Where next for microbiome research? *PLOS Biology* 13: e1002050. *

Moeller, Andrew H., Yingying Li, Eitel Mpoudi Ngole, Steve Ahuka-Mundeke, Elizabeth V. Lonsdorf, Anne E. Pusey, Martine Peeters, Beatrice H. Hahn, and Howard Ochman. 2014. Rapid changes in the gut microbiome during human evolution. *Proceedings of the National Academy of Sciences* 111: 16431–16435. **Highlighted by Faculty Opinions**

Moeller, Andrew H., Howard Ochman. 2014. Microbiomes are true to type. *Proceedings of the National Academy of Sciences* 111: 9372–9373. (Invited Commentary)

Moeller, Andrew H., Martine Peeters, Jean-Bosco Ndjango, Yingying Li, Beatrice H. Hahn, and Howard Ochman. 2013. Sympatric chimpanzees and gorillas harbor convergent gut microbial communities. *Genome Research* 23: 1715–1720.

Moeller, Andrew H., Howard Ochman. 2013. Factors that drive variation among gut microbial communities. *Gut Microbes* 4: 403–408. *

Moeller, Andrew H.[5], Meghan Shilts[5], Yingying Li, Rebecca S. Rudicell, Elizabeth V. Lonsdorf, Anne E. Pusey, Michael L. Wilson, Beatrice H. Hahn, and Howard Ochman. 2013. SIV-induced instability of the chimpanzee gut microbiome. *Cell Host & Microbe* 14: 340–345. [5]These authors contributed equally.

López-Giráldez, Francesc, **Andrew H. Moeller**, and Jeffrey P. Townsend. 2013. Evaluating phylogenetic informativeness as a predictor of phylogenetic signal for metazoan, fungal, and mammalian phylogenomic data sets. *BioMed Research International* 2013.

Moeller, Andrew H., Jeffrey P. Townsend. 2013. Response to: The relative utility of sequence divergence and phylogenetic informativeness profiling in phylogenetic study design. *Molecular Phylogenetics and Evolution* 66: 436–436. *

Moeller, Andrew H., Patrick H. Degnan, Anne E. Pusey, Michael L. Wilson, Beatrice H. Hahn, and Howard Ochman. 2012. Chimpanzees and humans harbour compositionally similar gut enterotypes. *Nature Communications* 3: 1179.

Moeller, Andrew H., Jeffrey P. Townsend. 2011. Phylogenetic informativeness profiling of 12 genes for 28 vertebrate taxa without divergence dates. *Molecular Phylogenetics and Evolution* 60: 271–272.

GRADUATE MENTEES

2025–present	Rongjian Tang, Incoming EEB PhD student, Princeton University
2025–present	Anna Cryan, Incoming EEB PhD student, Princeton University
2024–present	Abigail Landers, EEB PhD student, GRFP Fellow, Princeton University
2020–present	Brian Dillard, EEB PhD student, Cornell University
2020–2025	Madalena Real, EEB PhD student, Cornell University (Defended May 2025)
2019–2025	Samantha Goldman, EEB PhD student, Cornell University (Defended May 2025)

THESIS COMMITTEES

2024–present	Ella Gunady, CBE PhD thesis committee, Princeton University
2024–present	Yoon Chang, EEB PhD thesis committee, Princeton University
2023–present	Mohamed Aldhuhoori, Microbiology PhD thesis committee, Cornell University
2023–present	Jaime Pachar, NRE PhD thesis committee, Cornell University
2019–2024	Catherine Kagemann, MGB PhD thesis committee, Cornell University
2019–2024	Jordan Reede, Microbiology PhD thesis committee, Cornell University
2019–2024	Kathryn Herr, Microbiology PhD thesis committee, Cornell University
2019–2023	Jennifer Houtz, EEB PhD thesis committee, Cornell University

POSTDOCTORAL MENTEES

2025–present	Dongmin Jin, Incoming Postdoctoral Associate, Princeton University
2024–present	Kate Lagerstrom, Postdoctoral Associate, Princeton University
2023–present	Mark Swanson, NSF Postdoctoral Fellow (co-advised with Ran Blekhman), University of Chicago

2022–2024	Matthew Zipple, NSF Postdoctoral Fellow (co-advised with Michael Sheehan), Cornell University (current position: Klarman Postdoctoral Fellow, Cornell University)
2021–2024	Brian Trevelline, Rose Postdoctoral Fellow, Cornell University (current position: Assistant Professor, Kent State University)
2020–2024	Daniel Sprockett, Postdoctoral Associate, Cornell University (current position: Assistant Professor, Wake Forest University)
2018–2022	Jon Sanders, Cornell Institute of Host-Microbe Interactions and Disease Postdoctoral Fellow, Cornell University (current position: CEO of Lightweight Labware)

UNDERGRADUATE MENTEES

2025–present	Rodolfo Pineda, undergraduate researcher, Princeton University
2025–present	Emily Krueckeberg, undergraduate researcher, Princeton University
2023, summer	Natalie Morris, NSF REU (co-advised), Cornell University
2022, summer	Joshua Tucker, NSF REU, Clemson University/Cornell University
2022–2023	Alice Hu, undergraduate researcher, Cornell University
2021–2022	Catherine Andreadis, undergraduate researcher, Cornell University
2019–2022	Kyra Kwok, undergraduate researcher, Cornell University
2019–2021	Shanya Mitchell, CIHMID undergraduate researcher, Cornell University
2019–2021	Ahmed Eltahir, undergraduate researcher, Cornell University
2019–2021	Annie Li, undergraduate researcher, Cornell University
2018–2020	Diego Burga, CIHMID undergraduate researcher, Cornell University
2018–2021	Jessica Ferber, undergraduate researcher, Cornell University
2018–2021	Juan Sepulveda, undergraduate researcher, Cornell University

TEACHING

2024, Fall	EEB 309, Evolution, Lead Professor, Princeton University
2024, Fall	EEB 504, Fundamental Concepts in Ecology, Evolution, and Behavior II, Instructor, Princeton University
2023, Spring	BIOEE 4940, Evolutionary Genomics, Lead Professor, Cornell University
2022, Fall	BIOEE 1180, Evolution for Non-majors, Lead Professor, Cornell University
2022, Spring	BIOEE 1780, An Introduction to Evolutionary Biology and Diversity, Lead Professor, Cornell University
2021, Fall	BIOEE 1780, An Introduction to Evolutionary Biology and Diversity, Instructor: Speciation, Adaptation and Population Genetics Modules, Cornell University
2021, Spring	BIOEE 1780, An Introduction to Evolutionary Biology and Diversity, Instructor: Population Genetics Module, Cornell University
2020, Fall	BIOEE 1780, An Introduction to Evolutionary Biology and Diversity, Instructor: Phylogenetics Module, Cornell University
2020, Fall	BIOEE 4940, Evolutionary Genomics, Lead Professor, Cornell University
2020, Spring	BIOEE 1780, An Introduction to Evolutionary Biology and Diversity, Lead Professor, Cornell University

2019, Fall	BIOEE 1780, An Introduction to Evolutionary Biology and Diversity, Instructor: Speciation and Adaptation Module, Cornell University
2019, Fall	BIOEE 4500, Mammalogy, Nov. 25 Lecture, Cornell University
2019, Spring	BIOEE 1780, An Introduction to Evolutionary Biology and Diversity, Human Evolution Module, Cornell University
2018, Fall	BIOEE 2070, Evolution for Non-Majors, Oct. 30 Lecture, Cornell University

PROFESSIONAL SERVICE

Service at Princeton:

2024	Graduate Admissions Committee, Department of Ecology and Evolutionary Biology
2024	Faculty Member, Planning Committee for EEB Scholars Program

Service at Cornell:

2023	Cornell College of Agriculture and Life Sciences (CALS) Awards Review Committee
2023	Center for Vertebrate Genomics Scholars Review Committee
2022	Microbiology Admissions Committee
2022–2024	Executive Advisory Committee, Department of Ecology and Evolutionary Biology
2021–2022	Director of Graduate Studies Advisory Committee, Department of Ecology and Evolutionary Biology
2020–2024	First Year Advisor, Office of Undergraduate Biology
2020–2024	Seminar Planning Committee, Department of Ecology and Evolutionary Biology
2021	Reviewer, Cole Award, Department of Ecology and Evolutionary Biology
2019	Review Committee, Kieckhefer/Mellon Student Research Grants
2018-2023	Faculty Curator of Mammals, Cornell University Museum of Vertebrates, Cornell University
2018	Graduate Admissions Committee, Department of Ecology and Evolutionary Biology, Cornell University

Other Professional Service:

Reviewer: *Nature*, *Science*, *Cell*, *PNAS*, *Current Biology*, *Nature Ecology & Evolution, PLOS Biology*, *Ecology Letters*, *Cell Host & Microbe*, *Molecular Ecology*, *Genome Biology, Molecular Biology and Evolution*, *Genome Biology and Evolution*, *ISME J*, *Proceedings B, Biology Letters, npj Biofilms and Microbiomes*, *Journal of Animal Ecology*, *Functional Ecology, Environmental Microbiology*, *Applied and Environmental Microbiology*, *mSystems*, *Microbiome* and others

Memberships: *Society for the Study of Evolution* (SSE); *Society for Molecular Biology and Evolution*; *International Society for Microbial Ecology; Sigma Xi, The Scientific Research Honor Society*

Society Service:

2025	Reviewer for the R. C. Lewontin Early Awards (SSE).
2020, 2023	Reviewer for the Rosemary Grant Advanced Awards (SSE).

Grant Agency Service:

2024	Ad Hoc Reviewer, NSF Division of Environmental Biology
2021	Ad Hoc Reviewer, NSF Division of Integrative Organismal Systems, Symbiosis, Infection, and Immunity Program
2020	Panelist, National Science Foundation, BIO/IOS Core Program.

SCIENCE OUTREACH AND SERVICE (SELECTED)

Science (2024)
Judge for the NOSTER & *Science* Microbiome Prize

Cornell University (2022)
Consultation to Mann Library for the Guild of Natural Science Illustrators/Finger Lakes Region 'Symbiosis' Exhibit

Cornell University (2020)
Consultation to National Public Radio's *Invisibilia* podcast

University of California, Berkeley (2016, 2017)
Public presentations at Cal Day in the Museum of Vertebrate Zoology

University of Texas, Austin (2015)
Public presentations at The Campaign for Texas

Yale University (2012–2013)
Volunteer at New Haven Science Fair

University of South Carolina (2009–2010)
Volunteer at S.C.ienceLab

PRESS (SELECTED)

2024	"We're social beings. So are microbes." *The Harvard Gazette*
2023	"Humans have lost half primate ancestors' gut bacteria" *Cornell Chronicle*
2022	"Urban gut spillover" *Science*
2022	"Modern city dwellers have lost about half of their gut microbes" *Science*
2021	"The gut microbiome's role in host evolution" *The Scientist*
2019	"Planet You: The mysterious world of the microbiome" Canadian Broadcasting Corporation
2018	"Mouse microbes are mostly inherited" *The Scientist*
2017	"The 'dark matter' of the microbial world" *The Atlantic*
2016	"Research provides new insight into the evolution of human microbes" *All Things Considered*, National Public Radio Listen: tinyurl.com/zrclptf
2016	"Some bacteria have lived in the human gut since before we were human" *Point of Discovery*, Podcast Listen: tinyurl.com/oqgub88
2016	"Some microbes have been with us since before we existed" *The Atlantic*
2016	"Our gut bugs evolved with us as we split from chimps" *New*

Scientist

2016 "How your social life changes your microbiome" *The Atlantic*

2016 "Sociable chimps get richer gut microbiomes" *Scientific American*
Listen: tinyurl.com/qxnsfvw

2014 "Spilling our guts: decreased diversity in the human microbiome" *Science Friday*, National Public Radio
Listen: tinyurl.com/qzz9zdl

2013 "Gut bacteria disruption in AIDS" *Yale Scientific*

2012 "Chimps' gut bugs look similar to human ones" *USA TODAY*

2012 "What do chimps and humans have in common? Gut bacteria" *NBC News*

2012 "Chimpanzee enterotypes" *Deutschlandfunk*, German Public Radio