

Amanda C. Perofsky, PhD

Fogarty International Center, U.S. National Institutes of Health

amanda.perofsky@nih.gov

🏠 aperofsky.github.io - 🐙 [aperofsky](https://github.com/aperofsky) - 🆔 0000-0001-7341-9193 - 🌐 [amandaperofsky](https://www.linkedin.com/in/amandaperofsky)

Education

Ph.D., Ecology, Evolution, and Behavior, University of Texas at Austin, Austin, TX, USA 2018

B.Sc., Biology, B.Sc., Ecology, University of Georgia, Athens, GA, USA 2009
Summa cum laude with Highest Honors

Research Experience

Guest Researcher Apr 2021–present

Fogarty International Center, U.S. National Institutes of Health

Division of International Epidemiology and Population Studies

Supervisor: Cécile Viboud

Epidemiological Data Scientist (Research Scientist/Engineer 3) Apr 2021–Jan 2025

Seattle Flu Study, Brotman Baty Institute for Precision Medicine, University of Washington

Supervisors: Cécile Viboud (NIH) and Robin Prentice (UW)

Postdoctoral Research Fellow Sep 2018–Apr 2021

Fogarty International Center, U.S. National Institutes of Health

Division of International Epidemiology and Population Studies

Advisor: Cécile Viboud

Doctoral Research Aug 2011–Aug 2018

Department of Integrative Biology, University of Texas at Austin

Dissertation: “Ecological, Evolutionary, and Behavioral Determinants of Gut Microbiomes in Malagasy Mammals”

Advisor: Lauren Ancel Meyers

Postbaccalaureate IRTA Fellow Jan 2010–Aug 2011

National Institute of Dental and Craniofacial Research, U.S. National Institutes of Health

Adeno-Associated Virus Biology Section

Supervisor: John Chiorini

Research Assistant Aug 2009–Dec 2009

Odum School of Ecology, University of Georgia

Supervisor: Andrew Park

Publications

Publication list also available in [Google Scholar](#). † = shared first authorship.

Preprints and submitted manuscripts

Bents, S. J., E. T. Martin, ... **A. Perofsky**, ... A. Waghmare, C. Viboud. (2025) Multiplex serology reveals age-specific immunodynamics of endemic respiratory pathogens in the wake of the COVID-19 pandemic. *medRxiv* 2025.03.26.25324738. doi: [10.1101/2025.03.26.25324738](https://doi.org/10.1101/2025.03.26.25324738). (Submitted, *Nature Communications*)

Elias-Warren, A., J.C. Bennett, ... **A.C. Perofsky**, ... H.Y. Chu. (2025) Epidemiology of Human Metapneumovirus Infection in a Community Setting, Seattle, WA, USA. (Submitted, *The Journal of Infectious Diseases*)

Srinivas Duddu, A.†, I. Elgamal†, J. Camacho-Mateu†, O. Holubowska†, S.A. Rella†, S.J. Bents, C. Viboud, C.L. Hansen, G. Pullano, & **A.C. Perofsky**. (2024) Modeling the effects of COVID-19 mobility disruptions on RSV transmission in Seattle, Washington. *medRxiv* 2024.09.13.24313667. doi: [10.1101/2024.09.13.24313667](https://doi.org/10.1101/2024.09.13.24313667). (Complexity 72h report, in prep for submission)

Journal articles

Hansen, C. L., L. Lee, S.J. Bents, **A.C. Perofsky**, K. Sun, L.M. Starita, A. Adler, J.A. Englund, E.J. Chow, H.Y. Chu, & C. Viboud. (2025) Scenario Projections of Respiratory Syncytial Virus Hospitalizations Averted Due to New Immunizations. *JAMA Network Open* 8(6):e2514622. doi: [10.1001/jamanetworkopen.2025.14622](https://doi.org/10.1001/jamanetworkopen.2025.14622).

Kostandova, N., R. Corgel, ... **A.C. Perofsky**, ... D.A.T. Cummings, & A. Wesolowski. (2025) Improving mobility data for infectious disease research. *Nature Human Behaviour*. doi: [10.1038/s41562-025-02151-3](https://doi.org/10.1038/s41562-025-02151-3).

Tran-Kiem, C., M.I. Paredes, **A.C. Perofsky**, ... C. Viboud, & T. Bedford. (2025) Fine-scale patterns of SARS-CoV-2 spread from identical pathogen sequences. *Nature* 640, 176-185. doi: [10.1038/s41586-025-08637-4](https://doi.org/10.1038/s41586-025-08637-4).

Perofsky, A.C., J. Huddleston, ... S.G. Sullivan, I.G. Barr, K. Subbarao, F. Krammer, T. Bedford, & C. Viboud. (2024) Antigenic drift and subtype interference shape A(H3N2) epidemic dynamics in the United States. *eLife* 13:RP91849. doi: [10.7554/eLife.91849](https://doi.org/10.7554/eLife.91849).

Mathis, S.M., A.E. Webber, ... **A.C. Perofsky**, ... M. Biggerstaff, & R.K. Borchering (110 authors). (2024) Evaluation of FluSight influenza forecasting in the 2021–22 and 2022–23 seasons with a new target laboratory-confirmed influenza hospitalizations. *Nature Communications* 15, 6289. doi: [10.1038/s41467-024-50601-9](https://doi.org/10.1038/s41467-024-50601-9).

Perofsky, A.C., C.L. Hansen, ... M. Famulare, J. Shendure, T. Bedford, H.Y. Chu, J.A. Englund, L.M. Starita, & C. Viboud. (2024) Impacts of human mobility on the citywide transmission dynamics of 18 respiratory viruses in pre- and post-COVID-19 pandemic years. *Nature Communications* 15, 4164. doi: [10.1038/s41467-024-48528-2](https://doi.org/10.1038/s41467-024-48528-2).

Paredes, M.I., **A.C. Perofsky**, ... C. Viboud, H.Y. Chu, N.F. Müller, & T. Bedford. (2024) Local-scale phylodynamics reveal differential community impact of SARS-CoV-2 in a metropolitan US county. *PLOS Pathogens* 20(3):e1012117. doi: [10.1371/journal.ppat.1012117](https://doi.org/10.1371/journal.ppat.1012117).

Hansen, C.L., **A.C. Perofsky**, ... J.A. Englund, J. Shendure, T. Bedford, H.Y. Chu, L.M. Starita, & C. Viboud. (2022) Trends in risk factors and symptoms associated with SARS-CoV-2 and Rhinovirus test positivity in King County, Washington: A Test-Negative Design Study of the Greater Seattle Coronavirus Assessment Network. *JAMA Network Open* 5(12):e2245861. doi: [10.1001/jamanetworkopen.2022.45861](https://doi.org/10.1001/jamanetworkopen.2022.45861).

Perofsky, A.C., S. Tempia, J. Bingham, C. Maslo, M. Toubkin, A. Laubscher, S. Walaza, J.R.C. Pulliam, C. Viboud, & C. Cohen. (2022) The direct and indirect effects of the COVID-19 pandemic on private healthcare utilization in South Africa. *Clinical Infectious Diseases* 75(1):e1000-e1010. doi: [10.1093/cid/ciac055](https://doi.org/10.1093/cid/ciac055).

Perofsky, A.C., L.A. Meyers, L.A. Abondano, A. Di Fiore, & R.J. Lewis. (2021) Social groups constrain the spatiotemporal dynamics of wild sifaka gut microbiomes. *Molecular Ecology* 30:6759–6775. doi: [10.1111/mec.16193](https://doi.org/10.1111/mec.16193).

McBride, D.S.†, **A.C. Perofsky†**, J.M. Nolting, M.I. Nelson, & A.S. Bowman. (2021) Tracing the source of influenza A virus zoonoses in interconnected circuits of swine exhibitions. *The Journal of Infectious Diseases* jiab122. doi: [10.1093/infdis/jiab122](https://doi.org/10.1093/infdis/jiab122).

Perofsky, A.C., & M.I. Nelson. (2020) Seasonal influenza: The challenges of vaccine strain selection. *eLife* 9:e62955. doi: [10.7554/eLife.62955](https://doi.org/10.7554/eLife.62955). (Invited Insight article)

Nelson, M.I., **A. Perofsky**, D.S. McBride, B.L. Rambo-Martin, M.M. Wilson, J.R. Barnes, H. van Bakel, J.M. Nolting, & A.S. Bowman. (2020) A heterogenous swine show circuit drives zoonotic transmission of influenza A viruses in the United States. *Journal of Virology* 94(24):e01453-20. doi: [10.1128/JVI.01453-20](https://doi.org/10.1128/JVI.01453-20).

Viboud, C., K. Gostic, M.I. Nelson, G.E. Price, **A. Perofsky**, K. Sun, N. Sequeira Trovão, B. Cowling, S. Epstein, & D.J. Spiro. (2020) Beyond Clinical Trials: Evolutionary and Epidemiological Considerations for Development of a Universal Flu Vaccine. *PLOS Pathogens* 16(9):e1008583. doi: [10.1371/journal.ppat.1008583](https://doi.org/10.1371/journal.ppat.1008583).

Perofsky, A.C., R.J. Lewis, & L.A. Meyers. (2018) Terrestriality and bacterial transfer: A comparative study of gut microbiomes in sympatric Malagasy mammals. *The ISME Journal* 13:50–63. doi: [10.1038/s41396-018-0251-5](https://doi.org/10.1038/s41396-018-0251-5).

Perofsky, A.C., R.J. Lewis, L. Abondano, A. Di Fiore, & L.A. Meyers. (2017) Hierarchical social networks shape gut microbial composition in wild Verreaux's sifaka. *Proceedings of the Royal Society B* 284:20172274. doi: [10.1098/rspb.2017.2274](https://doi.org/10.1098/rspb.2017.2274).

Rakotomalala, E.J., F. Rakotondraparany, **A.C. Perofsky**, & R.J. Lewis. (2017) Characterization of the tree holes used by *Lepilemur ruficaudatus* in the dry, deciduous forest of Kirindy Mitea National Park. *Folia Primatologica* 88:28-41. doi: [10.1159/000464406](https://doi.org/10.1159/000464406).

Berry, B.S.†, K. Magori†, **A.C. Perofsky**, D.E. Stallknecht, & A.W. Park. (2013) Wetland cover dynamics drive hemorrhagic disease patterns in white-tailed deer in the United States. *Journal of Wildlife Diseases* 49(3):501-509. doi: [10.7589/2012-11-283](https://doi.org/10.7589/2012-11-283).

Research Funding

Fellowships

National Science Foundation Graduate Research Fellowship , \$125,000 (three years of funding over five years)	2012–2017
Graduate Recruitment Fellowship , Department of Integrative Biology, University of Texas at Austin, \$33,000	2011
Postbaccalaureate Intramural Research Training Award (IRTA) Fellowship , National Institutes of Health, \$56,000	2010–2011

Grants

Research Exchange Grant , NSF Infectious Disease Evolution Across Scales Research Coordination Network, \$2800	2018
Research Grant DBI-0939454 , BEACON: An NSF Science and Technology Center for the Study of Evolution in Action, \$16,000 Co-PI with Lauren Ancel Meyers and Rebecca Lewis	2015
Dissertation Improvement Grant , Ecology, Evolution, & Behavior Graduate Program, University of Texas at Austin, \$8000	2015
Small Research Grant , American Society of Primatologists, \$2000	2012
Small Research Grant , International Primatological Society, \$1500	2012
Startup Grant , Ecology, Evolution, & Behavior Graduate Program, University of Texas at Austin, \$2000	2011
NSF Research Experiences for Undergraduates (REU) Award , NSF Coweeta Long Term Ecological Research Program, \$3600	2008

Contributions to other grants (non PI-status)

BAA Contract 75D30122C14368 , U.S. CDC Advanced Molecular Detection Program, \$2M “Collaborative technology development, and analyses to support genetic epidemiology in Washington State” PIs: Lea Starita and Trevor Bedford Role: Epidemiology Lead	2022–2024
Seattle Flu Study and Seattle Coronavirus Assessment Network , Gates Ventures, \$11.6M PIs: Trevor Bedford, Michael Boeckh, Helen Chu, Janet Englund, Tina Lockwood, Barry Lutz, Jay Shendure, Lea Starita, Cécile Viboud, Alpana Waghmare. Role: Staff Scientist	2021–2022

Honors and Awards

Director’s Individual Merit Award , Fogarty International Center, National Institutes of Health. “For excellence in scientific research in epidemiological modeling with a focus on influenza antigenic evolution and the role of human mobility in COVID-19 disease dynamics.”	2023
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Director's Group Merit Award , Fogarty International Center, National Institutes of Health. "For outstanding modeling work to support the COVID-19 pandemic response domestically and internationally."	2020, 2021
Young Scientist Award , European Scientific Working group on Influenza (ESWI) Conference	2020
Director's Individual Merit Award , Fogarty International Center, National Institutes of Health. "For outstanding efforts to forecast weekly influenza-like illness activity in 27 U.S. military facilities in collaboration with DoD."	2019
Graduate School Summer Semester Continuing Fellowship , University of Texas at Austin	2017, 2018
Course Fellowship, Network Modeling for Epidemics , University of Washington, Seattle, WA	2017
Graduate Student Professional Development Award , College of Natural Sciences, University of Texas at Austin	2017
Scholarship and Travel Award, Summer Institute in Statistics and Modeling in Infectious Diseases (SISMID) , University of Washington, Seattle, WA	2014, 2015
Scholarship and Travel Award, Meaningful Modeling of Epidemiological Data (MMED) Clinic , African Institute for Mathematical Sciences, Cape Town, South Africa	2011
Scholarship and Travel Award, Ecology and Evolution of Infectious Diseases (EEID) Conference Workshop . Cornell University, Ithaca, NY (2010) and University of California, Santa Barbara, Isla Vista, CA (2011)	2010, 2011
Center for Undergraduate Research (CURO) Scholar distinction , University of Georgia	2009
Inducted, Phi Beta Kappa	2008
Honors International Scholarship , University of Georgia Honors Program	2007
Georgia Governor's Scholarship Awarded to high school valedictorians attending in-state universities. Annual \$900 stipend.	2005–2009
Charter Scholarship , University of Georgia Honors Program Awarded to 200 new students for outstanding achievement in academics. Annual \$2000 stipend.	2005–2009
National Merit Scholarship , University of Georgia	2005–2009
Georgia HOPE Scholarship Merit-based full tuition scholarship awarded to Georgia residents attending in-state universities.	2005–2009

Conferences

Organization

Co-organizer , EpiMob Satellite ("Epidemic control: from mobility data to public health"), NetSci International Conference on Network Science, Maastricht, the Netherlands. (upcoming, June 2025)	2025
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Co-organizer , EpiMob Satellite ("Epidemic control: from mobility data to public health"), NetSci International Conference on Network Science, Québec City, Canada.	2024
Panels	
Invited Panelist , "Reflections on COVID-19," NIH Modeling of Infectious Disease Agent Study (MIDAS) Annual Meeting, Bethesda, MD.	2022
Podium presentations	
NetSci International Conference on Network Science , Maastricht, the Netherlands. <i>Modelling the effects of COVID-19 mobility disruptions on RSV transmission in Seattle, Washington.</i>	2025
NetSci International Conference on Network Science , Québec City, Canada. <i>Impacts of human mobility on the citywide transmission dynamics of respiratory viruses in pre- and post-COVID-19 pandemic years.</i>	2024
Epidemics⁹ International Conference on Infectious Disease Dynamics , Bologna, Italy. <i>Are changes in population mobility predictive of respiratory virus transmission? Insights from high resolution mobile phone data in the pre- and post-COVID-19 pandemic periods in Seattle, Washington.</i>	2023
EpiMob Satellite ("Epidemic control: from mobility data to public health"), NetSci International Conference on Network Science , Vienna, Austria. <i>Are changes in population mobility predictive of respiratory virus transmission? Insights from high resolution mobile phone data in the pre- and post-COVID-19 pandemic periods in Seattle, Washington.</i>	2023
*Invited keynote speaker	
Options XI for the Control of Influenza , Belfast, Northern Ireland. <i>Impact of antigenic drift on influenza A/H3N2 vaccine effectiveness in the United States.</i>	2022
NIH/FDA COVID-19 Research Workshop (Virtual). <i>The impact of COVID-19 restrictions and mobility behavior on respiratory pathogen transmission in Seattle, Washington.</i>	2022
NIH Modeling of Infectious Disease Agent Study (MIDAS) Annual Meeting , Bethesda, MD. <i>The impact of social distancing on respiratory pathogen transmission in Seattle, Washington.</i>	2022
NIH Modeling of Infectious Disease Agent Study (MIDAS) Annual Meeting (Virtual). <i>Impact of antigenic drift on influenza A/H3N2 vaccine effectiveness in the United States.</i>	2021
NIH NIAID Centers of Excellence for Influenza Research and Surveillance (CEIRS) Annual Meeting (Virtual). <i>Impact of antigenic drift on influenza A/H3N2 vaccine effectiveness in the United States.</i>	2021
NIH/FDA COVID-19 Research Workshop (Virtual). <i>Utilizing Respiratory Syndromic Surveillance Data to Monitor COVID-19 Activity in South Africa.</i>	2020
Epidemics⁷ International Conference on Infectious Disease Dynamics , Charleston, SC. <i>Impact of influenza antigenic evolution on disease dynamics in the United States.</i>	2019
Options X for the Control of Influenza , Singapore. <i>Impact of influenza antigenic evolution on disease dynamics in the United States.</i>	2019

American Association of Physical Anthropologists (AAPA) Conference , Austin, TX. <i>Gut microbiome diversity across sympatric mammal populations of Madagascar reflects diet, substrate use, and host phylogeny.</i>	2018
NSF BEACON Annual Congress , Michigan State University, East Lansing, MI. <i>Social network structure shapes gut microbial communities in wild Verreaux's sifaka.</i>	2016
Poster presentations	
European Scientific Working group on Influenza (ESWI) Conference (Virtual). <i>Impact of influenza antigenic evolution on disease dynamics in the United States.</i>	2020
Ecology and Evolution of Infectious Diseases (EEID) Conference , Princeton, NJ. <i>Impact of influenza antigenic evolution on disease dynamics in the United States.</i>	2019
Society of Molecular Biology and Evolution (SMBE) Conference , Austin, TX. <i>Hierarchical social networks shape gut microbial composition in wild Verreaux's sifaka.</i>	2017
Ecology and Evolution of Infectious Diseases (EEID) Conference , Isla Vista, CA. <i>Hierarchical social networks shape gut microbial composition in wild Verreaux's sifaka.</i>	2017
Epidemics⁵ International Conference on Infectious Disease Dynamics , Clearwater Beach, FL. <i>Social network structure shapes gut microbial communities in wild Verreaux's sifaka.</i>	2015
Seminar Presentations	
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Invited talks	
Yale School of Public Health , New Haven, CT. <i>Impacts of human mobility on the citywide transmission dynamics of respiratory viruses: Insights from the Seattle Flu Study and high-resolution mobile phone data.</i>	2024
Network Science Institute, Northeastern University , Boston, MA. <i>Impacts of human mobility on the citywide transmission dynamics of respiratory viruses in pre- and post-COVID-19 pandemic years.</i>	2024
U.S. CDC Technical Outreach and Assistance to States (TOAST) Office Hours (Virtual). <i>Are changes in population mobility predictive of respiratory virus transmission? Insights from high resolution mobile phone data in the pre- and post-COVID-19 pandemic periods in Seattle, Washington.</i>	2023
Pierre Louis Institute of Epidemiology and Public Health, French National Institute of Health and Medical Research (INSERM) , Paris, France. <i>Are changes in population mobility predictive of respiratory virus transmission? Insights from high resolution mobile phone data in the pre- and post-COVID-19 pandemic periods in Seattle, Washington.</i>	2023
Infectious Disease Modeling Working Group, World Health Organization (Virtual). <i>Antigenic drift and subtype interference shape A/H3N2 epidemic dynamics in the United States.</i>	2023
California Department of Public Health COVID-19 Modeling Team Open House (Virtual). <i>A time series approach for short-term forecasts and long-term scenario projections of influenza hospitalizations.</i>	2023

NIH NIAID Centers of Excellence for Influenza Research and Response (CEIRR) Computational Modeling Core (Virtual). <i>Antigenic drift and subtype interference shape A/H3N2 epidemic dynamics in the United States.</i>	2023
U.S. CDC Infectious Disease Forecasting Call (Virtual). <i>Impact of influenza antigenic evolution on A/H3N2 epidemics and vaccine effectiveness in the United States.</i>	2023
Center for the Ecology of Infectious Diseases, University of Georgia (Virtual). <i>The impact of physical distancing on respiratory pathogen transmission in Seattle, Washington.</i>	2023
Influenza Research Group, National Animal Disease Center, U.S. Department of Agriculture (Virtual). <i>Impact of influenza antigenic evolution on A/H3N2 vaccine effectiveness in the United States.</i>	2021
Fogarty International Center, National Institutes of Health , Bethesda, MD. <i>Drivers of gut microbial composition and transmission within and among wild lemur populations.</i>	2018
Kirindy Mitea National Park headquarters , Belo Sur Mer, Madagascar. <i>Bacteria transmission dynamics among wildlife in Kirindy Mitea National Park.</i>	2016
Kirindy Mitea National Park headquarters , Morondava, Madagascar. <i>Infectious disease transmission in a wild lemur population.</i>	2012
Internal seminars	
Respiratory Virus Interest Group, National Institutes of Health (Virtual). <i>The impact of influenza antigenic drift on A/H3N2 vaccine effectiveness in the United States.</i>	2023
Influenza Interest Group, National Institutes of Health , Bethesda, MD. <i>Impact of influenza antigenic evolution on disease dynamics in the United States.</i>	2019
NSF BEACON weekly seminar, University of Texas at Austin , Austin, TX. <i>Gut microbiome diversity across sympatric mammal populations of Madagascar reflects diet, substrate use, and host phylogeny.</i>	2017
NSF BEACON weekly seminar, University of Texas at Austin , Austin, TX. <i>Social networks shape the gut microbial communities of wild Verreaux's sifaka.</i>	2016
Department of Integrative Biology, University of Texas at Austin , Austin, TX. <i>Social networks shape the gut microbial communities of wild Verreaux's sifaka.</i>	2015

Teaching and Mentoring Experience

Student mentoring

Tutor, Complexity 72h: Interdisciplinary workshop for young researchers in complex systems , Carlos III University de Madrid, Spain. Led a team of 5 graduate students in carrying out a research project within 3 days (i.e., 72h). Project title: "Impacts of COVID-19 restrictions on mobility networks and the spread of endemic respiratory viruses." medRxiv preprint	Jun 2024
Master's student mentoring in primate field ecology, Department of Animal Biology, University of Antananarivo, Madagascar . Mentored and trained two Malagasy Masters' students in field techniques, data collection, and specimen preservation at Kirindy Mitea National Park, Madagascar. Guided mentees in developing independent research projects	Summer 2012, 2016

and helped them connect their work to broader questions in primatology and animal behavior.

2012: Elvis Rakotomalala, [Lepilemur tree hole characteristics](#); 2016: Safidy Rasolonjatovo, Verreaux's sifaka scent marking behavior

Short courses

Co-Instructor, Fogarty International Center-DIVERGE Training Workshop on RSV Genomics and Evolution, National Institutes of Health, Bethesda, MD. Sep 2019

Co-Instructor, Fogarty International Center-NICD Training Workshop on Infectious Disease Dynamics and Evolution, National Institutes of Communicable Diseases, Johannesburg, South Africa. Dec 2018

Assistant teaching

Scientific Inquiry Across Disciplines, University of Texas at Austin Fall 2016, 2017

Social Networks and Infectious Diseases, University of Texas at Austin Spring 2013

Guest lectures

Biological Networks and Social Network Analysis, Introduction to Biological Statistics Course, Center for Computational Biology and Bioinformatics, University of Texas at Austin. Nov 2015

Introduction to Networks, Introduction to Biological Statistics Course, Center for Computational Biology and Bioinformatics, University of Texas at Austin. Nov 2014

Professional training

Scientists Teaching Science, National Institutes of Health. Completed 9-week pedagogy course on best practices for teaching and learning in STEM subjects at the undergraduate level. Spring 2020

Professional Activities

Working group on the use of human mobility data in infectious disease modeling, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD. Feb 2023

Coordinated and led monthly [Seattle Flu Study](#) Data Analysis meetings 2022–2024

Abstract reviewer, NIH Modeling of Infectious Disease Agent Study (MIDAS) Annual Meetings 2022, 2023, 2024

Poster Judge, NIH Annual Graduate Student Research Symposium, Bethesda, MD. Feb 2020

Policy essay editor, [Science Policy for All](#). Policy blog with contributors from the Washington, DC area. 2019–2021

Invited Panelist, [NSF BEACON Public Engagement Workshop](#), University of Texas at Austin, Austin, TX. Feb 2017

Ad-hoc peer review (select journals): *American Journal of Epidemiology*, *American Journal of Primatology*, *Animal Behaviour*, *BMJ Global Health*, *Ecology and Evolution*, *Epidemics*, *The ISME Journal*, *Molecular Ecology*, *Nature Communications*, *Nature Physics*, *PLOS Computational Biology*, *PNAS Nexus*

Science Outreach

Elife podcast interview , Flu virus evolution: Combining antibody responses and genetic data can help gauge the threats posed by evolving flu strains.	Apr 2024
Science Policy for All blogpost , Can the United States achieve herd immunity? Vaccine mandates and other policies to increase COVID-19 vaccination.	Jun 2021
Science Policy for All blogpost , The Use of COVID-19 Prediction Models in Guiding Policy Decisions.	May 2020
Member, NIH Science Policy Discussion Group . Biweekly seminar series for early-career scientists focused on the intersection of scientific research and legislative policy. Delivered science policy presentations, invited two guest speakers, and wrote and edited articles for the Science Policy for All blog.	2019–2021
Selected speaker, American Association for the Advancement of Science (AAAS) Classroom Science Days , Austin, TX. Outreach lecture “Meet the Lemurs” to middle school students. AAAS coverage	Feb 2018
Member, Austin Science Advocates , University of Texas at Austin. Student group aimed at improving communication between scientists, the public, and policymakers.	2016–2017
Public outreach lecture “Meet the Lemurs”, Science Under the Stars , Brackenridge Field Laboratory, Austin, TX. Daily Texan coverage	Nov 2016
NSF BEACON “Researchers at Work” essay , How lemur social networks shape microbial transmission.	Mar 2016
Radio DJ and Science Talk Show Co-host , They Blinded Me with Science on KVRX 91.7FM , University of Texas at Austin. Co-hosted weekly educational talk show that interviewed UT-based and visiting researchers and reviewed science publications and news. Recruited guests, conducted interviews, and produced podcasts.	2011–2018
Co-organizer and Volunteer , Science Under the Stars , Brackenridge Field Laboratory, Austin, TX. Monthly public outreach lecture series founded and organized by graduate students in the Department of Integrative Biology.	2011–2017