

# Amanda C. Perofsky, PhD

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## Education

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**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

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**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 (BBI, 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

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

### Preprints and submitted manuscripts

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, *JID*)

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. (2024) Scenario projections of RSV hospitalizations averted due to new immunizations in King County, Washington, October 2023 to May 2025. *medRxiv* 2024.12.13.24319008. doi: [10.1101/2024.12.13.24319008](https://doi.org/10.1101/2024.12.13.24319008). (In revision, *JAMA Network Open*)

Kostandova, N., R. Corgel, ... **A.C. Perofsky**, ... D.A.T. Cummings, & A. Wesolowski. (2024) Data and model needs for generalizable inferences linking human mobility and infectious disease transmission. *OSF Preprint*. (In press, *Nature Human Behavior*)

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)

### Journal articles

Tran-Kiem, C., M.I. Paredes, **A.C. Perofsky**, ... C. Viboud, & T. Bedford. (2024) Fine-scale spatial and social patterns of SARS-CoV-2 transmission from identical pathogen sequences. *Nature*. 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: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. Magorit†, **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

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### 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 2015  
Co-PI with Lauren Ancel Meyers and Rebecca Lewis

**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 2022-2024  
"Collaborative technology development, and analyses to support genetic epidemiology in Washington State"  
PIs: Lea Starita and Trevor Bedford  
Role: Epidemiology Lead

**Seattle Flu Study and Seattle Coronavirus Assessment Network**, Gates Ventures, \$11.6M 2021-2022  
PIs: Trevor Bedford, Michael Boeckh, Helen Chu, Janet Englund, Tina Lockwood, Barry Lutz, Jay Shendure, Lea Starita, Cécile Viboud, Alpana Waghmare.  
Role: Staff Scientist

## Honors and Awards

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**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

**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

<b>Graduate School Summer Semester Continuing Fellowship</b> , University of Texas at Austin	2017, 2018
<b>Course Fellowship, Network Modeling for Epidemics</b> , University of Washington, Seattle, WA	2017
<b>Graduate Student Professional Development Award</b> , College of Natural Sciences, University of Texas at Austin	2017
<b>Scholarship and Travel Award, Summer Institute in Statistics and Modeling in Infectious Diseases (SISMID)</b> , University of Washington, Seattle, WA	2014, 2015
<b>Scholarship and Travel Award, Meaningful Modeling of Epidemiological Data (MMED) Clinic</b> , African Institute for Mathematical Sciences, Cape Town, South Africa	2011
<b>Scholarship and Travel Award, Ecology and Evolution of Infectious Diseases (EEID) Conference Workshop</b> . Cornell University, Ithaca, NY (2010) and University of California, Santa Barbara, Isla Vista, CA (2011)	2010, 2011
<b>Center for Undergraduate Research (CURO) Scholar distinction</b> , University of Georgia	2009
Inducted, <b>Phi Beta Kappa</b>	2008
<b>Honors International Scholarship</b> , University of Georgia Honors Program	2007
<b>Georgia Governor's Scholarship</b> Awarded to high school valedictorians attending in-state universities. Annual \$900 stipend.	2005–2009
<b>Charter Scholarship</b> , University of Georgia Honors Program Awarded to 200 new students for outstanding achievement in academics. Annual \$2000 stipend.	2005–2009
<b>National Merit Scholarship</b> , University of Georgia	2005–2009
<b>Georgia HOPE Scholarship</b> Merit-based full tuition scholarship awarded to Georgia residents attending in-state universities.	2005–2009

## Conferences

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### Organization

<b>Co-organizer</b> , <a href="#">EpiMob Satellite ("Epidemic control: from mobility data to public health")</a> , NetSci International Conference on Network Science, Maastricht, the Netherlands. (upcoming, June 2025)	2025
<b>Co-organizer</b> , <a href="#">EpiMob Satellite ("Epidemic control: from mobility data to public health")</a> , NetSci International Conference on Network Science, Québec City, Canada.	2024

### Panels

<b>Invited Panelist</b> , "Reflections on COVID-19," NIH Modeling of Infectious Disease Agent Study (MIDAS) Annual Meeting, Bethesda, MD.	2022
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## Oral presentations

- NetSci International Conference on Network Science**, Maastricht, the Netherlands. 2025  
*Modelling the effects of COVID-19 mobility disruptions on RSV transmission in Seattle, Washington (upcoming, June 2025)*
- NetSci International Conference on Network Science**, Québec City, Canada. 2024  
*Impacts of human mobility on the citywide transmission dynamics of respiratory viruses in pre- and post-COVID-19 pandemic years.*
- Epidemics<sup>9</sup> International Conference on Infectious Disease Dynamics**, Bologna, Italy. 2023  
*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.*
- EpiMob Satellite (“Epidemic control: from mobility data to public health”), NetSci International Conference on Network Science**, Vienna, Austria. 2023  
*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.*  
**\*Invited keynote speaker**
- Options XI for the Control of Influenza**, Belfast, Northern Ireland. 2022  
*Impact of antigenic drift on influenza A/H3N2 vaccine effectiveness in the United States.*
- NIH/FDA COVID-19 Research Workshop** (Virtual). 2022  
*The impact of COVID-19 restrictions and mobility behavior on respiratory pathogen transmission in Seattle, Washington.*
- NIH Modeling of Infectious Disease Agent Study (MIDAS) Annual Meeting**, Bethesda, MD. 2022  
*The impact of social distancing on respiratory pathogen transmission in Seattle, Washington.*
- NIH Modeling of Infectious Disease Agent Study (MIDAS) Annual Meeting** (Virtual). 2021  
*Impact of antigenic drift on influenza A/H3N2 vaccine effectiveness in the United States.*
- NIH NIAID Centers of Excellence for Influenza Research and Surveillance (CEIRS) Annual Meeting** (Virtual). 2021  
*Impact of antigenic drift on influenza A/H3N2 vaccine effectiveness in the United States.*
- NIH/FDA COVID-19 Research Workshop** (Virtual). 2020  
*Utilizing Respiratory Syndromic Surveillance Data to Monitor COVID-19 Activity in South Africa.*
- Epidemics<sup>7</sup> International Conference on Infectious Disease Dynamics**, Charleston, SC. 2019  
*Impact of influenza antigenic evolution on disease dynamics in the United States.*
- Options X for the Control of Influenza**, Singapore. 2019  
*Impact of influenza antigenic evolution on disease dynamics in the United States.*
- American Association of Physical Anthropologists (AAPA) Conference**, Austin, TX. 2018  
*Gut microbiome diversity across sympatric mammal populations of Madagascar reflects diet, substrate use, and host phylogeny.*
- NSF BEACON Annual Congress**, Michigan State University, East Lansing, MI. 2016  
*Social network structure shapes gut microbial communities in wild Verreaux's sifaka.*

## Poster presentations

- European Scientific Working group on Influenza (ESWI) Conference** (Virtual). *Impact of influenza antigenic evolution on disease dynamics in the United States.* 2020
- Ecology and Evolution of Infectious Diseases (EEID) Conference**, Princeton, NJ. *Impact of influenza antigenic evolution on disease dynamics in the United States.* 2019
- Society of Molecular Biology and Evolution (SMBE) Conference**, Austin, TX. *Hierarchical social networks shape gut microbial composition in wild Verreaux's sifaka.* 2017
- Ecology and Evolution of Infectious Diseases (EEID) Conference**, Isla Vista, CA. *Hierarchical social networks shape gut microbial composition in wild Verreaux's sifaka.* 2017
- Epidemics<sup>5</sup> International Conference on Infectious Disease Dynamics**, Clearwater Beach, FL. *Social network structure shapes gut microbial communities in wild Verreaux's sifaka.* 2015

## Seminar Presentations

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### Invited talks

- Yale School of Public Health**, New Haven, CT. *Impacts of human mobility on the citywide transmission dynamics of respiratory viruses: Insights from the Seattle Flu Study and high-resolution mobile phone data.* 2024
- Network Science Institute, Northeastern University**, Boston, MA. *Impacts of human mobility on the citywide transmission dynamics of respiratory viruses in pre- and post-COVID-19 pandemic years.* 2024
- U.S. CDC Technical Outreach and Assistance to States (TOAST) Office Hours** (Virtual). *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.* 2023
- Pierre Louis Institute of Epidemiology and Public Health, French National Institute of Health and Medical Research (INSERM)**, Paris, France. *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.* 2023
- Infectious Disease Modeling Working Group, World Health Organization** (Virtual). *Antigenic drift and subtype interference shape A/H3N2 epidemic dynamics in the United States.* 2023
- California Department of Public Health COVID-19 Modeling Team Open House** (Virtual). *A time series approach for short-term forecasts and long-term scenario projections of influenza hospitalizations.* 2023
- NIH NIAID Centers of Excellence for Influenza Research and Response (CEIRR) Computational Modeling Core** (Virtual). *Antigenic drift and subtype interference shape A/H3N2 epidemic dynamics in the United States.* 2023
- U.S. CDC Infectious Disease Forecasting Call** (Virtual). *Impact of influenza antigenic evolution on A/H3N2 epidemics and vaccine effectiveness in the United States.* 2023

- Center for the Ecology of Infectious Diseases, University of Georgia** (Virtual). *The impact of physical distancing on respiratory pathogen transmission in Seattle, Washington.* 2023
- Influenza Research Group, National Animal Disease Center, U.S. Department of Agriculture** (Virtual). *Impact of influenza antigenic evolution on A/H3N2 vaccine effectiveness in the United States.* 2021
- Fogarty International Center, National Institutes of Health**, Bethesda, MD. *Drivers of gut microbial composition and transmission within and among wild lemur populations.* 2018
- Kirindy Mitea National Park headquarters**, Belo Sur Mer, Madagascar. *Bacteria transmission dynamics among wildlife in Kirindy Mitea National Park.* 2016
- Kirindy Mitea National Park headquarters**, Morondava, Madagascar. *Infectious disease transmission in a wild lemur population.* 2012

### Internal seminars

- Respiratory Virus Interest Group, National Institutes of Health** (Virtual). *The impact of influenza antigenic drift on A/H3N2 vaccine effectiveness in the United States.* 2023
- Influenza Interest Group, National Institutes of Health**, Bethesda, MD. *Impact of influenza antigenic evolution on disease dynamics in the United States.* 2019
- NSF BEACON weekly seminar, University of Texas at Austin**, Austin, TX. *Gut microbiome diversity across sympatric mammal populations of Madagascar reflects diet, substrate use, and host phylogeny.* 2017
- NSF BEACON weekly seminar, University of Texas at Austin**, Austin, TX. *Social networks shape the gut microbial communities of wild Verreaux's sifaka.* 2016
- Department of Integrative Biology, University of Texas at Austin**, Austin, TX. *Social networks shape the gut microbial communities of wild Verreaux's sifaka.* 2015

## Teaching and Mentoring Experience

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### 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.** Summer 2012, 2016. 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 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

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**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

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- 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