

CURRICULUM VITAE

Julianne Meisner

June 2024

Biographical Information

Department of Global Health
School of Public Health
University of Washington
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Education

- University of Washington, Seattle, WA, USA, PhD (Epidemiology), 2021
- University of Washington, Seattle, WA, USA, MS (Epidemiology), 2017
- University of Edinburgh, Edinburgh, UK, BVM&S (DVM equivalent), 2011

Professional licenses

Veterinary license

Washington
VT60554732

Positions

Assistant Professor

Department of Global Health
University of Washington
August 2022-Present

Assistant Professor

Department of Epidemiology
University of Washington
March 2023 – Present

Adjunct Assistant Professor

Department of Environmental and Occupational Health Sciences
University of Washington
February 2023 – Present

Adjunct Clinical Professor

College of Veterinary Medicine
Washington State University
October 2019-Present

Clinical Assistant Professor

Department of Environmental and Occupational Health Sciences
University of Washington
July 2021-July 2022

Veterinary Public Health Fellow

International Livestock Research Institute

Nairobi, Kenya (remote)
August 2021-February 2022

Postdoctoral Scholar – Fellow

Biostatistics, Epidemiologic, and Bioinformatic Training in Environmental Health
Department of Environmental and Occupational Health Sciences
University of Washington
July 2018-July 2021

Locum Tenens relief veterinarian

San Diego, CA and Seattle, WA
March 2015-September 2019

Associate Veterinarian

La Costa Animal Hospital
Carlsbad, CA
September 2012-March 2015

Associate Veterinarian

Roosevelt Veterinary Clinic
Brewster, NY
August 2011-September 2012

Professional Memberships

Society for Epidemiologic Research
American Society for Tropical Medicine and Hygiene

Doctoral Dissertation

“Livestock and the epidemiology of sleeping sickness: mechanisms and implications” (2021)

Publications

1. **Meisner J**, Curtis K, Graham T, Rabinowitz P. Occupational practices and hazards of rural livestock keepers in Uganda: a Cross-Sectional Study. *East African Health Research Journal* 2017; **2**(1): 67-77.
2. **Meisner J**, Vora M, Fuller M, Phipps A, Rabinowitz P. Maternal Veterinary Occupation and Adverse Birth Outcomes in Washington State, 1992-2014: a Population-Based Retrospective Cohort Study. *Occupational and Environmental Medicine* 2018; **75**: 359-368
3. **Meisner J**, Curtis, K, Graham T, Apamaku M, Manhart L, Rabinowitz, P. Cattle-associated risk factors for human tuberculosis in rural livestock keeping communities, Uganda. *Zoonoses and Public Health* 2018; **66**(1): 73-82.
4. **Meisner J**, Barnabas R, Rabinowitz P. A mathematical model for evaluating the role of trypanocide treatment of cattle in the epidemiology and control of *Trypanosoma brucei rhodesiense* and *Trypanosoma brucei gambiense* sleeping sickness in Uganda. *Parasite Epidemiology and Control* 2019; **5**: e00106.
5. **Meisner J**, Mooney, S, Rabinowitz P. The curse of dimensionality: animal-related risk factors for pediatric diarrhea in western Kenya, and methods for dealing with a large number of predictors. *PLoS ONE* 2019; **14**(4): e0215982.
6. **Meisner J**, Clifford W, Wohrle R, Kangiser D, Rabinowitz P. Soil and climactic predictors of canine coccidioidomycosis seroprevalence in Washington State: an ecological cross-sectional study. *Transboundary and Emerging Diseases* 2019; **66**(5): 2134-2142.
7. Rodriguez PJ, Roberts DA, **Meisner J**, Sharma M, Owiredu MN, Gomez B, de Mello M, Bobrik A, Vodiany A, Storey A, Githuka G, Chidarikire T, Barnabas R, Barr-Dichiara M, Jamil MS, Baggaley R, Johnson C, Taylor MM, Drake A. Cost-effectiveness of dual maternal HIV and syphilis testing strategies in high and low HIV prevalence countries. *Lancet Global Health* 2021; **9**(1): E61-E71.

8. **Meisner J**, Roberts DA, Rodriguez P, Sharma M, Owiredu MN, Gomez B, de Mello MB, Bobrik A, Vodiany A, Storey A, Githuka G, Chidarikire T, Barnabas R, Farid S, Essajee S, Jamil MS, Baggaley R, Johnson C, Drake A. Optimizing HIV retesting during pregnancy and postpartum in four countries: a cost-effectiveness analysis. *JIAS* 2021; **24**(4): e25686.
9. **Meisner J**, Munayco C, Garcia P, Carcamo C, Morin C, Pigott DM, Rabinowitz PM. A novel approach to modeling epidemic vulnerability, applied to *Aedes aegypti*-vectored diseases in Peru. *BMC Infectious Diseases* 2021; **21**(1):846.
10. Hernandez J, **Meisner J**, Bardosh K, Rabinowitz PM. Prevent pandemics and halt climate change? Strengthen land rights for Indigenous peoples. *Lancet Planetary Health* 2022; 6:e382.
11. Hernandez J, **Meisner J**, Jacobs LA, Rabinowitz PM. Re-Centering Indigenous Knowledge in Climate Change Discourse. *PLOS Climate* 2022; 1(5): e0000032.
12. Dostal T, **Meisner J**, Munayco C, Garcia P, Carcamo C, Perez Lu JE, Morin C, Frisbie LA, Rabinowitz PM. The effect of weather and climate on dengue outbreak risk in Peru, 2000-2018: a time-series analysis. *PLoS NTD* 2022; 16(6): e0010479.
13. **Meisner J**, Kato A, Lemerani M, Miaka EM, Taban AI, Wakefield J, Rowhani-Rahbar A, Pigott D, Mayer JD, Rabinowitz PM. The effect of livestock density on *Trypanosoma brucei gambiense* and *T.b. rhodesiense*: a causal-inference based approach. *PLOS NTD* 2022; 16(8): e0010155.
14. **Meisner J**, Kato A, Lemerani M, Miaka EM, Taban AI, Wakefield J, Rowhani-Rahbar A, Pigott D, Mayer JD, Rabinowitz PM. Estimating the distribution of livestock in space and time: a time-series contribution to livestock density mapping. *Nature Scientific Reports* 2022; 12:13310.
15. Tin A, Kuehl K, Terry A, **Meisner J**, Ramirez V, Tabor E, Rabinowitz P. A One Health Clinic for People Experiencing Homelessness and their Animals: Treating the Human-Animal Unit. *Annals of Family Medicine* 2022; 20(5).
16. **Meisner J**, Baszler TV, Kuehl KE, Ramirez V, Baines A, Frisbie LA, Lofgren ET, DeAvila DM, Wolking RM, Bradway DS, Wilson H, Lipton B, Kawakami V, Rabinowitz PM. Household transmission of SARS-CoV-2 from humans to pets in Washington and Idaho: burden and risk factors. *Emerging Infectious Diseases*. 2022;28(12):2425-2434.
17. **Meisner J**, Kato A, Lemerani M, Miaka EM, Taban AI, Wakefield J, Rowhani-Rahbar A, Pigott D, Mayer JD, Lorton C, Rabinowitz PM. Does a One Health approach to human African trypanosomiasis control hasten elimination? A stochastic compartmental modeling approach. *Acta Tropica*. 2023 Apr;240:106804. doi: 10.1016/j.actatropica.2022.106804. PMID: 36682395; PMCID: PMC9992224.
18. **Meisner J**, Kato A, Lemerani M, Miaka EM, Taban AI, Wakefield J, Rowhani-Rahbar A, Pigott D, Mayer JD, Rabinowitz PM. Livestock, pathogens, vectors, and their environment: a causal inference-based approach to estimating the pathway-specific effect of livestock on human African trypanosomiasis risk. *PLOS Glob Public Health*. 2023; 3(11):e002543. doi: 10.1371/journal.pgph.0002543. PMID: 37967087; PMCID: PMC10651035.
19. **Meisner J**, McLeland-Wieser H, Traylor E, Hermesh B, Berg T, Roess A, Van Patter L, Rosenthal A, Davidovitch N, Rabinowitz P. Relational One Health: A more-than-biomedical framework for more-than-human health, and lessons learned from Brazil, Ethiopia, and Israel. *One Health*. 2024; 18:100676.
20. Kelly J, Ramirez V, **Meisner J**. Evaluation of a One Health Clinic: Enhancing Access to Healthcare and Housing for Young Adults Experiencing Homelessness with Animals. *CABI One Health* [In Press]
21. Pollowitz M, Allick C, Campbell KB, Kamakahiolani Ellison NL, Perez-Aguilar G, Vera M, Ramirez V, Nadal D, **Meisner J**. Indigenous One Health: Connecting Traditional Ecological Knowledge and Western Science" submitted to *CABI One Health* [In Press].

Policy Guidance and Reports

Prevention of mother-to-child HIV transmission, WHO 2019 Guidelines
 Subnational under-five mortality estimates, 1990-2019, UN IGME

Academic Public Health Practice

Toolkit for Surveillance Assessment (website forthcoming)

Funder: CDC

Role: Co-developer

Informatics and Data Science for Health (IDASH)

Funder: CDC

Role: Lead Mentor, Uzbekistan team

Project title: Creation of a module for mapping infectious diseases: improving reporting, mapping, and forecasting in Uzbekistan

Land and Health Workshop

Funder: PHI

Partners: UW SPH, Landesa

Role: Organizer

Service

Department/School

Department of Global Health

MPH Admissions, 2023, 2024

Department of Epidemiology

Distinguished Dissertation Award reviewer, 2024

Department of Environmental and Occupational Health Sciences

Equity, Diversity, and Inclusion Committee member, 2021-2022

Curriculum & Academic Policy Committee member, 2021-2022

School of Public Health

SPH Student mock interviews volunteer, 2024

Grant/Scholarship proposal reviewer

NPGH LEADERS Fogarty Fellowship Program, 2023

CFAR New Investigator Award, 2024

Remak Scholarship, 2024

Professional

Editorial Board member

Scientific Reports, 2023-Present

PLoS Global Public Health, 2024-Present

Steering Committee Member

North American One Health Universities Network, 2024-Present

NIH Study Sections

Population Research in Infectious Diseases, 2023

American Public Health Association

Student Liaison, Veterinary Public Health Select Primary Interest Group, 2018-2019

Section Councilor, Veterinary Public Health Select Primary Interest Group, 2019-2022

Society for Epidemiologic Research

Social Media Contributor, 2018-2019

Awards and Honors

Early Career Investigator Travel Award, World One Health Congress, Cape Town, South Africa, 2024

Nominee, Board of Directors, American Society of Tropical Medicine and Hygiene, 2022
American Society for Tropical Medicine and Hygiene Annual Meeting Travel Award, 2020/2021
Department of Epidemiology Travel Award 2017, 2018, 2019, 2020
Graduate Student Fund for Excellence in Innovation Travel Award 2017
Occupational Health at the Human-Animal Interface Scholar 2015-2017
Best Poster, Semiahmoo Symposium on Environmental, Occupational, and Public Health 2017
Stergachis Endowed Fellowship for International Exchange 2016
RCVS EMS Vacation Research Scholarship 2010
Edinburgh University Small Projects Grant 2009

Grant Funding History

Current

Title: Integrated Next-Generation Surveillance in Global Health: Translation to Action (INSIGHT to Action)

PI: Peter Rabinowitz

Funding Agency: CDC

Role: Co-Investigator

Dates: 09/2021-09/2026

AMR Dashboards to Support Veterinary Stewardship

Funding Agency: USDA APHIS

Role: Co-Investigator

Dates: 09/2023-09/2024

AI-generated characterization of landscape risk for disease emergence in Washington

Funding Agency: UW PHI AI Grand Challenges

Role: PI

Dates: 08/2024 – 07/2025

Integrated Research Training on Vector Borne Diseases in Pakistan: Vector Biology, Virology and Disease Epidemiology

Funding Agency: NIH/NIAID

Role: Co-Investigator

Dates: 06/2024-05/2029

Past

Title: Discovery & Exploration of Emerging Pathogens - Viral Zoonoses (DEEP VZN)

PI: Felix Lankester

Funding Agency: USAID

Role: Co-Investigator

Dates: 10/2021-04/2024

CSDE Population Planning Grant

Funding for an RA to analyze data from Kenya for an R01 application

Role: PI

Dates: 12/2023-03/2024

Title: Understanding the dynamics of animal contact, land tenure, and impact on health in pastoralist communities in Kenya

PI: Julianne Meisner

Funding Agency: UW Global Innovation Fund

Role: PI

Dates: 06/2022-09/2023

Title: Socioecological conflict in Brazil: equitable land tenure, ecosystem destruction, and health
PI: Julianne Meisner
Funding Agency: UW Population Health Initiative
Role: PI
Dates: 05/2023-12/2023

Title: The Intersection of Food Security and Planetary Health in Senegal, West Africa: a Mixed-Methods Pilot Study
PI: Noelle Benzekri
Funding Agency: UW Population Health Initiative
Role: Co-Investigator
Dates: 05/2022-12/2022

Title: Securing Global Public Health Through Strengthening Information Systems and Reporting in Kenya
PI: Peter Rabinowitz
Funding Agency: CDC
Role: Co-Investigator
Dates: 09/2015- 06/2022

Title: University of Washington Arboviral Research Network (UWARN)
PI: Van Voorhis
Funding Agency: NIH/NIAID
Role: Co-Investigator
Dates: 05/2020-12/2021

Title: COVID-19 and Pets Study (CAPS)
PI: Peter Rabinowitz
Funding Agency: Wild Lives Foundation
Role: Co-Investigator
Dates: 07/2021-12/2021

Title: PNASH The Health Dairy Worker Study
PI: Michael Yost
Funding Agency: CDC/NIOSH
Total Direct Costs: \$154,500
Role: Co-Investigator
Dates: 09/2016-12/2021
% Effort: 2.5

Title: COVID and Migrant Farmworkers
PI: Peter Rabinowitz
Funding Agency: Quest Foundation
Total Direct Costs: \$45,145
Role: Co-Investigator
Dates: 03/2021-12/2021

Conferences and Symposia

Society for Epidemiologic Research Annual Meeting 2024
Austin, Texas, USA

Title: *Do we really need another framework? Where One Health fits in* [symposium]

European Congress on Tropical Medicine and International Health 2023

Utrecht, Netherlands

Title: *A focus on Malawi: schistosomiasis and a new One Health* [oral, colleague presented in absentia due to conflict with Thanksgiving holidays]

World One Health Conference 2022

Singapore, Singapore

Title: *A powerful tool in need of an instrument: methods for human-animal contact networks* [oral]

Title: *Indigenous One Health: aligning theory and reshaping praxis* [oral]

World One Health Conference 2020

Planned Edinburgh, Scotland (virtual)

Title: *Livestock and the Epidemiology of Sleeping Sickness: mechanisms and implications* [oral]

American Society of Tropical Medicine and Hygiene 2020

Planned Toronto, Canada (virtual)

Title: *Livestock and the Epidemiology of Sleeping Sickness: mechanisms and implications* [oral]

Society for Epidemiologic Research Annual Meeting 2019

Minneapolis, MN, USA

Title: *Finding the scientific question in the exposure haystack: re-analysis of a matched case-control study of animal-related risk factors for pediatric diarrhea in Kenya* [oral]

Washington State Zoonotic Disease Conference 2018

Ellensburg, WA, USA

Title: *Soil and climactic predictors of canine coccidioidomycosis seroprevalence in Washington* [oral]

Western Regional International Health Conference 2016

Seattle, WA, USA

Title: *One Health and Changing Ecosystems* [chair]

Teaching History

University of Washington

Instructor

- Determinants of Health (PHI 514), School of Public Health, Winter 2022, Summer 2022
- Introduction to One Health (ENVH 439/439), Department of Environmental and Occupational Health Sciences, Spring 2022, Winter 2023, Winter 2024
- Epidemiology Journal Club (EPI 591), Department of Epidemiology, Spring 2024

Co-instructor

- Understanding Pandemics: When Pathogens, People & a Changing Planet Collide (GH 590), Department of Global Health, Winter 2024

Faculty preceptor

- Application of Epidemiologic Methods (EPI 514), Department of Epidemiology, Spring 2023, Spring 2024

Teaching assistant

- Outbreak Investigation and Response (EPI 201), Department of Epidemiology, Spring 2019
- Epidemiologic Methods II (EPI 513), Department of Epidemiology, Winter 2018
- Introduction to Epidemiology (EPI 320), Department of Epidemiology, Winter 2018
- Epidemiologic Methods I (EPI 512), Department of Epidemiology, Autumn 2017
- Advanced Epidemiologic Methods I (EPI 515), Department of Epidemiology, Autumn 2017
- Introduction to One Health (ENVH 439/539), Department of Environmental and Occupational Health Sciences, Spring 2017

Course facilitator

- Research Methods, School of Medicine, Summer 2018, Autumn 2019

Guest lecturer

- Infectious Disease Epidemiology (EPI 520), Department of Epidemiology, March 2018, 2019, 2020; Title: Zoonotic diseases and One Health
- Core Topics in Global Health (GH 501/401), Department of Global Health, November 2017, 2018, 2019, 2020, 2022, 2023; Title: One Health: integrating human, animal, and environmental health in the global health context
- Outbreak Investigation and Response (EPI 201), University of Washington, May 2018, 2020; Title: One Health and Outbreak Epidemiology
- Determinants of Health (PHI 514), School of Public Health, Winter 2023

International Livestock Research Institute

Short Course

- Data Management for Reproducible Research, November 2021- January 2022

Advising and Formal Mentoring

Committee chair

Michelle Pollowitz, MS in One Health
2022-2023

Leah Willess, MPH in One Health
2021-2023

A. Mallory Thomas, MPH in One Health
2022-2024

Cory Arouzzet, PhD in Epidemiology
2022-present

Mohammad Gazi Shah Alam, Doctor of Global Health Leadership and Practice
2023-present

Jorge Luis Robledo, MS in Epidemiology
2023-present

Committee member

Erin Tabor, MPH in One Health
2021-2022

Katy Burr, MPH in One Health
2021-2022

Shannon Cassel, MPH in Environmental Health
2023-2024

Jorge Alarcon, PhD in Implementation Science
2022-present

Xin Nui, PhD in Epidemiology
2024-present

Stephanie Mitchell, PhD in One Health
2023-present

Hilary McLeland-Wieser, PhD in One Health
2022-present

Advisor

- Teresa Schlanser, MPH in One Health (2019-2020)
- Tia Dostal, MPH in One Health (2019-2021)
- Bobby Haynes, MPH in Global Health (2022-2023)
- Ikenna Onoh, DrGH (2022-2023)
- Mohammad Gazi, DrGH (2023-present)
- John Atiiga, MPH in Global Health (2023-present)
- Haley Birdoes, MPH in Epidemiology (2023-present)
- Doyeon Park, MPH in Epidemiology (2023-present)
- Jorge Robledo, MPH in Epidemiology/Clinical Fellow (2023-present)
- Emily Spencer, MPH in Epidemiology (2023-present)
- Maya Lubeck-Schricker, MPH in Epidemiology (2023-present)

Capstone Advisor

Jessi Kelly, DrNP student, Graduate Certificate in One Health
2022

Practicum Advisor

Lauren Church, MPH in Epidemiology
2023
Site: Landesa

External Jury Member

Daniele Da Re, PhD in Medical Geography
Université Catholique de Louvain, Belgium