# Kathryn R. Dalton, PhD, VMD, MPH

College of Public Health Curriculum Vitae

Department of Occupational and Environmental Health
kathryn-dalton@uiowa.edu

January 2025

# Educational and Professional History

<b>Degrees</b>	Earned

s Earned	
2008	BS/ Biology and Anthropology, Stony Brook University, State Universities of New York (SUNY) Senior Thesis: Ebola in Lowland Gorillas: Conservation and Public Health Connections
2013	VMD/ Veterinary Public Health, University of Pennsylvania, School of Veterinary Medicine Independent Student Research Project: The Mere Saathi Project: Community-based Dairy Education to Empower Women and Improve Health in Rural India
2016	MPH/ Infectious Disease and Food Systems, John Hopkins University of Bloomberg School of Public Health Advisor: Ellen K Silbergeld, PhD Capstone: Biosecurity Challenges in the Poultry Industry against Highly Pathogenic Avian Influenza
2020	PhD/ Environmental Epidemiology and Exposure Science, John Hopkins Univeristy Bloomberg School of Public Heath, Department of Environmental Health and Engineering Advisor: Meghan F. Davis, PhD DVM MPH Dissertation: Infection Control Insights for Hospital Animal-Assisted Intervention Program Implementation: From Stakeholder Perspectives to Microbial Dynamic
es	
2013 - Present	Licensed Veterinarian, Maryland, New Jersey, and Pennsylvania USDA veterinary accreditation: Maryland- 2015 New Jersey-2013 Veterinary Medical Certification - 2013
eations	

### Certifications

Licenses

2021	Johns Hopkins University Teaching Academy Certificate
2022	NIH Scientists Teaching Science Certificate
2022	NIEHS Research Mentor Training Certificate
2023	NIH Management and Leadership Certificate

## **Employment History**

2013 - 2015 Practice: Associate and Lead Veterinarian, Banfield Pet Hospital, Mount Laurel, New

	Jersey
2016 - 2017	Clinical Research Fellow, Johns Hopkins University Bloomberg School of Public Health, Department of Environmental Health and Engineering, Environmental Microbiology
2017 - 2018	Lerner Food System Fellow, Johns Hopkins University Center for a Livable Future, Food Safety and Agriculture Occupational Health
2015 - 2019	Practice: Relief Veterinarian, Banfield Pet Hospitals in North Maryland region
2017 - 2019	Graduate Research Assistant, Johns Hopkins University of Berman Institute of Bioethics Qualitive study on agriculture policies and health.
2018 - 2020	Occupational Health Research Fellow, Johns Hopkins University NIOSH Education and Research Center, Occupational Epidemiology and Industrial Hygiene
2020 - 2022	Postdoctoral Fellow, John Hopkins University Bloomberg School of Public Health, Department of Environmental Health and Engineering, Microbiome Bioinformatics and Environmental Exposures
2022 - Present	IRTA Postdoctoral Fellow, Genetics, Environment & Respiratory Disease Group, Epidemiology Branch, National Institute of Environmental Health Sciences, National Institutes of Health

### **Honors and Awards**

2012	University of Pennsylvania School of Vet Medicine, Student Inspiration Award
2015	FDA Center for Excellence in Regulatory Science and Innovation (CERSI) Award
2016	Johns Hopkins Capstone Award, Environmental Sciences
2018	ID Week Conference Kass Award
2021	Delta Omega Public Health Honors Society, Alpha Chapter, Inductee
2023	NIH Fellows Award for Research Excellence (FARE)
2023	Finalist, NIH-wide 3 Minute Research Talk Competition

# Teaching

## **Course Teaching**

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Spring 2025 - Present Global Environmental Health online

3 credits

### **Other Institutions**

2016 - 2016 The Food System and Public Health, John Hopkins Bloomberg School of Public Health

Course Faculty Instructor: Robert Lawrence

4 credits, Second Term

2017 - 2017	Case Studies in Food Animal Production and Public Health, John Hopkins Bloomberg School of Public Health Courser Faculty Instructor: Keeve Nachmann 3 credits, fourth term 2017 Excellence in Teaching, based on student feedback
2018	Case Studies of Outbreak Response with a One Health Context, One Health Tools to Promote & Evaluate Healthy and Sustainable Communities course, Johns Hopkins Bloomberg School of Public Health
2019	Rabies: A Public Health Threat, One Health Tools to Promote & Evaluate Healthy and Sustainable Communities course, Johns Hopkins Bloomberg School of Public Health
2019	Interactive Lecture & Discussion: One Health Aspects of Hospital Pet Therapy, One Health Tools to Promote & Evaluate Healthy and Sustainable Communities course, Johns Hopkins Bloomberg School of Public Health
2018 - 2020	One Health Tools to Promote & Evaluate Healthy and Sustainable Communities, John Hopkins Bloomberg School of Public Health Course Faculty Instructor: Meghan F Davis 3.0 credits, Fourth Term 2018, 2019, & 2020 Excellence in Teaching, based on student feedback. *Co-developed course and directed interactive group sessions
2019 - 2020	Essentials of One Health, Johns Hopkins Bloomberg School of Public Health Course Faculty Instructor: Meghan F. Davis 0.5 credits, First, Third, & forth terms Part of the "Cells to Society" public health core curriculum
2021	Public Health Implications from Human-Animal Interactions. Exploring the Human Animal Bond course, University of Pennsylvania School of Veterinary Medicine
2021	Occupational Health in the Agriculture, Forestry, and Fishery Sectors, Onsite Evaluation of Workplace and Occupational Health Programs course. Johns Hopkins Bloomberg School of Public Health
2021	Air Pollution and One Health, The Health Effects of Indoor and Outdoor Air Pollution course, Johns Hopkins Bloomberg School of Public Health
2021	The One Health Approach to Epidemiology and Global Public Health: Problem Solving Seminar, Johns Hopkins Bloomberg School of Public Health Course Faculty Instructor: Justin Lessler and Emily Gurley 3.0 credits, Fourth Term *Improved course design and directed interactive group sessions
2023	Microbial and Molecular Epidemiology in Public Health. Undergraduate Introduction to Epidemiology course, Towson University
2018 - Present	Foundations of Occupational Health, John Hopkins Bloomberg School of Public Health Course faculty Instructor: Maureen Cadorette 3 credit, First Term

#### **Mentoring and Student Supervision**

<u>Advisor</u>	
Summer 2017	Zoë Johnson, M.H.S. veterinary student Michigan State University, Johns Hopkins Bloomberg School of Public Health
Summer 2019	Sabrina Waugh, veterinary student at Colorado State University, John Hopkins Bloomberg School of Public Health
Summer 2022	Brenda Trejo-Rosas, PhD student George Washington University, NIEHS
Summer 2023	Isabella Gamez, undergraduate student UNC Chapel Hill, NIEHS
Fall 2024 - Summer 2025	Walderlande Nicolas, MPH OEH, University of Iowa College of Public Health
Fall 2024 - Summer 2026	Elaine Musiwa, MPH OEH, University of Iowa College of Public Health
Capstone Project	
2019 - 2021	Julianna Nechin, ScM, Molecular Immunology Department Johns Hopkins Bloomberg School of Public Health,
2020 - 2021	Kimberley Guyer, MPH, Johns Hopkins Bloomberg School of Public Health Excellence in US Public Health Award Finalist
Research Assistant	
2020 - 2021	Peter Campbell, medical student at UMBC
2020 - 2021	William Altekruse, social work graduate student UMBC

# Scholarship/Professional Productivity

#### Publications or creative works

#### Peer-reviewed papers and journal articles

- Leibler JH, Dalton K, Pekosz A, Gray GC, Silbergeld EK. (2017). Epizootics in Industrial Livestock Production: Preventable Gaps in Biosecurity and Biocontainment. <a href="https://www.ncbi.nlm.nih.gov/pubmed/27591817/">https://www.ncbi.nlm.nih.gov/pubmed/27591817/</a>Zoonoses Public Health. 64(2):137-145. DOI: 10.1111/zph.12292. PMID: 27591817
- 2. **Dalton KR**, Rock C, Carroll KC, and Davis MF. (2020). One Health in Hospitals: How understanding the dynamics of people, animals, and the hospital built-environment can be used to better inform interventions for antimicrobial-resistant Gram-positive infections. Antimicrobial Resistance & Infection Control. 9(78),1-17. DOI: 10.1186/s13756-020-00737-2. PMID: 32487220 PMCID: PMC7268532
- 3. **Dalton KR**, Waite K, Ruble K, Carroll KC, DeLone A, Frankenfield P, Serpell J, Thorpe R, Morris DO, Agnew J, Rubenstein R, and Davis MF. (2020). Risks Associated with Animal- Assisted Intervention Programs: A Literature Review. Complementary Therapies in Clinical Practice 39,101145. DOI: 10.1016/j.ctcp.2020.101145. PMID: 32379677 PMCID: PMC7673300
- 4. Dalton KR, Campbell P, Altekruse W, Thorpe RJ, Agnew J, Ruble K, Carroll KC, and Davis MF. (2021). A conceptual framework to address administrative and infection control barriers for animal-assisted intervention programs in healthcare facilities: Perspectives from a qualitative study. Infection Control & Hospital Epidemiology. 43(4),531-533. DOI: 10.1017/ice.2021.24. PMID: 33487205 PMCID: PMC7870901

- 5. Innes GK, Markos A, **Dalton KR**, Gould CA, Nachman KE, Fanzo J, Barnhill A, Frattaroli S, and Davis MF. (2021). How animal agriculture stakeholders define, perceive, and are impacted by antimicrobial resistance: challenging the Wellcome Trust's Reframing Resistance principles. Agriculture and Human Values. 38,893-909. DOI: 10.1007/s10460-021-10197-y. PMID: 34776605 PMCID: PMC8588841
- 6. **Dalton KR**, Ruble K, Redding LE, Morris DO, Mueller NT, Thorpe RJ, Agnew J, Carroll KC, Planet P, Rubenstein RC, Chen AR, Grice EA, and Davis MF. (2021). Microbial sharing between pediatric patients and therapy dogs during hospital animal-assisted intervention programs. Microorganisms. 9(5),1054. DOI: 10.3390/microorganisms9051054. PMID: 34068292 PMCID: PMC8153335
- 7. **Dalton KR**, Altekruse W, Campbell P, Ruble K, Carroll KC, Thorpe RJ, Agnew J, and Davis MF. (2022). Perceptions and Practices of Key Worker Stakeholder Groups in Hospital Animal-Assisted Intervention Programs on Occupational Benefits and Perceived Risks. People and Animals: The International Journal of Research and Practice. 2022. 5(1),4. PMID: 35765567 PMCID: PMC9235541
- 8. **Dalton KR**, Guyer KM, Schiaffino F, Ferradas C, Falke JR, Beasley EA, Meza K, Laughlin P, Agnew J, Barnett DJ, Nuzzo JB, and Davis MF. (2022). Assessing COVID-19 Pandemic Risk Perception and Response Preparedness in Veterinary and Animal Care Workers. Health Security Journal. 2022. 20(2),116-126. DOI: 10.1089/hs.2021.0091. PMID: 35108121 PMCID: PMC9081026.
- 9. Miller SL, Serpell JA, **Dalton KR**, Waite KB, Morris DO, Redding LE, Dreschel NA, Davis MF. (2022). The Importance of Evaluating Positive Welfare Characteristics and Temperment in Working Therapy Dogs. Front in Vet Sci. 4(4). DOI: 10.3389/fvets.2022.844252. PMID: 35445102 PMCID: PMC9014261
- 10. Gass JD, Waite K, Hill N, **Dalton KR**, Sawatzki K, Runstadler J, Davis MF. (2022). A standardized instrument quantifying risk factors associated with bi-directional Transmission of SARS-CoV-2 and other zoonotic pathogens: The COVID-19 Human-Animal Interactions Survey. (CHAIS) One Health Journal. 15(100422) DOI:10.1016/j.onehlt.2022.100422. PMID: 35910303 PMCID: PMC9327186
- 11. Ferradas, C, Hernandez N, **Dalton KR**, Davis MF, Schiaffino F. (2022). COVID-19 Pandemic Response Preparedness and Risk Perceptions among Peruvian Veterinarians and Animal Care Workers. Health Security Journal. 20(6) DOI:10.1089/hs.2022.0047. PMID: 36399609 PMCID: PMC10162576
- 12. **Dalton KR**, Fandiño-Del-Rio M, Louis ML, Garza MA, Quirós-Alcalá L, Davis MF. (2022). Microbiome alterations associated with phthalate exposures in a US-based sample of Latino workers. Environmental Research. 214(114126) DOI:10.1016/j.envres.2022.114126.
- 13. **Dalton KR**, Louis LM, Fandiño-Del-Rio M, Rule AM, Pool W, Randolph K, Thomas S, Quiros-Alcala L, Davis MF. (2022). Microbiome alterations from volatile organic compounds (VOC) exposures among workers in salons primarily serving women of color. Environmental Research. 214(114125). DOI:10.1016/j.envres.2022.114125.
- Cotter CJ, Ferradas C, Ludwig S, **Dalton KR**, Larsen J, Laucks D, et al. (2023). Risk factors for meticillinresistant *Staphylococcus aureus* (MRSA) carriage in MRSA-exposed household pets. Vet Dermatol. 34: 22–27. DOI: 10.1111/vde.13135<a href="https://doi.org/10.1111/vde.13135">https://doi.org/10.1111/vde.13135</a>PMID: 36331035 PMCID: PMC11168721
- 15. Dalton KR, Wang Z, Lee M, Parks CG, Beane Freeman LE, Zhu Q, González A, Knight R, Zhao S, Motsinger-Reif AA and London SJ. (2023). Metagenomics reveals novel microbial signatures of farm exposures in house dust. Front. Microbiol. 14:1202194. DOI: 10.3389/fmicb.2023.1202194 PMID: 37415812 PMCID: PMC10321240 co-first authors
- Marquez DR, Agnew J, Barnett DJ, Davis MF, Dalton KR. (2023). Assessing US Small Animal Veterinary Clinic Adaptations and Their Impacts on Workforce COVID-19 Preparedness and Response. Health Security Journal. 21(6):450-458. DOI: 10.1089/hs.2023.0041 PMID37971808, PMC10777815
- 17. **Dalton KR**, Lee M, Wang Z, Zhao S, Parks CG, Beane Freeman LE, Motsinger-Reif AA, London SJ. (2024). Occupational Farm Exposures Influence the Indoor Home Microbiome. Environmental Research. 243. 117819. DOI: 10.1016/j.envres.2023.117819

#### **Research Interests/Current Projects**

- Health outcomes related to human-animal-environment interactions using a systems thinking "One Health" approach
- Impact of environmental exposures on the human, animal, and environmental microbiome, and downstream influences on health
- Synergistic application of techniques from epidemiology, microbial ecology, and social science
- Particularly interested in occupational exposures, pediatric populations, and respiratory and sleep health outcomes

#### **Grants and Contracts**

### **Completed**

- 1. The Science and the Prevention of Highly Pathogenic Avian Influenza, FDA CERSI Grant Role: Principal Investigator
  - 2015 2016
  - Amount: \$10,000.00
- 2. Clinician-Scientist Fellowship, American Kennel Club Canine Health Foundation Role: Principal Investigator
  - 2018 2019
  - Amount: \$12,000.00
- 3. Identifying Occupational Health Benefits and Concerns of Key Stakeholders Regarding Hospital-based Animal- Assisted Intervention Program: A Pilot Study to Inform Program Implementation, Johns Hopkins ERC Role: Principal Investigator
  - 2019 2020
  - Amount: \$10,000.00
- 4. Clinical trial of a disinfectant intervention in therapy dogs to combat hospital-associated, NIH, Eunice Kennedy Shriver National Institute of Child Health & Development Role: Postdoctoral Fellow Co-Investigator
  - R01HD097692
  - 2018 2023
  - Amount: \$1,857,348.00

#### **Presentations**

### Keynote/Plenary Address

Apr 2022	<b>Dalton KR</b> . Navigating The Research Trail as an Early Career Veterinary Scientist in
	Public Health. Phi Zeta Research Day, Michigan State University, School of Veterinary
	Medicine

Apr 2023 **Dalton KR**. Navigating The Research Trail as an Early Career Veterinary Scientist in Public Health. Phi Zeta Research Day, University of Wisconsin, School of Veterinary Medicine.

#### Invited Lectures

Jan 2017	<b>Dalton KR</b> . "LymeCorp in Maryland – Implementation and Future Directions. Presented
	at: MidAtlantic Zoonotic and Vector-borne Disease Working Group

Jan 2018 **Dalton KR**. Hospital Infection Control and Animal-Assisted Intervention Programs a unique Zoonotic Challenge. Presented at: MidAtlantic Zoonotic and Vector-borne

# Disease Working Group

Jan 2019	<b>Dalton KR</b> . Reduction in the Spread of Hospital-Associated Pathogens among Pediatric Oncology Patients in an Animal-Assisted Intervention Program from a Canine Decolonization Procedure. Presented at Johns Hopkins Medicine, Fisher Center for Environmental Infectious Disease
Jan 2020	<b>Dalton KR</b> . Exploring Microbial Community Alteration during Hospital Animal-Assisted Intervention Programs. Presented at Johns Hopkins Microbiome Forum
Dec 2023	<b>Dalton KR</b> . The Environmental Microbiome and Asthma. Presented at CTSA One Health Alliance, Transnational Summit on Asthma Across Species. Virtual.
Dec 2023	<b>Dalton KR</b> . The Role of the Microbiome in Health Effects from Pesticides. Presented at Maryland Pesticide Education Network Annual Conference. Virtual.
Oral Presentations	
Mar 4, 2018	Davis MF, Ludwig S, Josephs-Spaulding J, <b>Dalton KR</b> , Newman M, Balcer-Whaley S, Peng R, Keet C, McCormack MC, Matsui EC. Environmental exposure to Staphylococcus aureus and SEB are associated with asthma symptoms and worse lung function among low- income, urban children with asthma. The American Academy of Allergy, Asthma, and Immunology Annual Meeting. Orlando, FL, USA.
Oct 4, 2018	<b>Dalton KR</b> , Ruble K, Delone L, Frankenfield P, Walker D, Ludwig S†, Ross TL, Jaskulski J, Carroll KC, Rankin S, Morris DO, Chen A, and Davis MF. Reduction in the spread of hospital-associated infections among pediatric oncology patients in a group animal-assisted visitation program from a canine intervention. ID Week Conference. San Francisco, CA, USA.  Presenting author, Oral presentation with press conference
Aug 25-28, 2019	<b>Dalton KR</b> , Ruble K, Carroll K, Grice E, and Davis MF. Emerging exposures and health effects in the hospital environment. International Society of Environmental Epidemiology Conference. Utretch, Netherlands.
Oct 30, 2020 - Nov 3, 2020	<b>Dalton KR</b> , Waite KB, Agnew JA, Barnett DJ, David MF. The COVET Study: Preliminary Findings from the Ongoing Veterinary and Animal Care Workers' Perceived Risk and Willingness to Respond to the COVID-19 Pandemic. World One Health Congress. Virtual.
Aug 22, 2023	<b>Dalton KR</b> , Chang V, London SJ, Vogtmann EA. Artificial Light at Night an Sleep Health Associated with the Oral Microbiome in the NIH-AARP Cohort. Governmental Interagency Microbiome Annual Meeting. Washington DC, USA.
Aug 27, 2023 - Sep 1, 2023	<b>Dalton KR</b> , Wang Z, Lee M, Zhao S, Motsinger-Reif A, London SJ. Variations in Occupational Farm Exposures are Associated with Shifts in the Indoor Home Microbiome. International Society of Exposure Science Conference. Chicago, IL, USA.
Mar 2024	Chang VC, Purandare V, Sinha R, Andreotti G, Li S, Hua X, Yano Y, <b>Dalton KR</b> , Lee M, Parks CG, London SJ. Farm animal exposures and the oral microbiome in the Agricultural Health Study. American Association for Cancer Research Annual Meeting. Philadelphia, PA, USA.

### **Posters**

Aug 28, 2018	Davis MF, Ludwig S, <b>Dalton KR</b> , Exum N, Schwab K, Kosek M, Koehler K, Rule A, Lautenbach E, McCormack M, and Matsui E. Assessment of indoor microbial exposures. International Society of Exposure Science & International Society for Environmental Epidemiology Joint Conference. Ottawa, Canada.
Oct 6, 2018	Davis MF, <b>Dalton KR</b> , Johnson Z, Ludwig S, Sabella K, Newman M, Balcer-Whaley S, Keet C, McCormack MC, Carroll KC, and Matsui EC. Household pets and recovery of Moraxella catarrhalis and other respiratory pathogens from children with asthma. ID Week Conference. San Francisco, CA, USA.
Jul 1-3, 2019	Innes G, <b>Dalton KR</b> , Gould CA, Markos A, Nachman K, Frattaroli S, Fanzo J, Barnhill A, and Davis MF. Antibiotic resistance and societal consequences: perspectives from animal agriculture producers and other stakeholders. 8 <sup>th</sup> Symposium on Antimicrobial Resistance in Animals and the Environment. Paris, France. July 1-3, 2019.
Oct 21-25, 2020	<b>Dalton KR</b> , Carroll KC, Grice EA, Davis MF. Exploring Microbial Community Alterations during Hospital Animal-Assisted Intervention Programs. ID Week Conference. Virtual.
Jan 11-15, 2021	Gass J, Waite KB, Hill N, <b>Dalton KR</b> , Sawatzki K, Runstadler J, Davis MFD. Quantifying factors associated with anthroponotic transmission of SARS-CoV-2: The COVID-19 Human-Animal Interactions Survey (CHAIS). 13th Annual CEIRS Network Meeting 2021. Virtual.
May 25, 2022	<b>Dalton KR</b> , Wang Z, Lee M, Zhao S, Motsinger-Reif A, London SJ, for the Agricultural Lung Health Study. Pesticide Use Alters the Home Dust Microbiome in Agricultural Lung Health Study Participants. North Carolina Biotechnology Center Microbiome Symposium. Raleigh, NC, USA.
May 2024	<b>Dalton KR</b> , Lee M, Liao LM, Gail MH, Shi J, Sinha R, Abnet CC, London SJ, Vogtmann E. Sleep Health and the Oral Microbiome. American Thoracic Society Conference. San Diego, CA, USA.

# Service

# **Professional Service**

# **Professional Organizations**

2015 - 2017	CDC/ Maryland Department of Health Lyme Corp Outreach Group
2015 - 2021	Mid-Atlantic Vector-borne Disease Inter-Agency Workgroup
2023 - 2024	NIH Fellows Committee (Felcom) Training Directors Committee Liaison

# Journal Reviews/Referee Manuscripts

2017 - Present	American Journal of Infection Control Peer Reviewer
2018 - Present	Infection, Genetics, and Evolution Journal Peer Reviewer
2019 - Present	Zoonoses and Public Health Journal Peer Reviewer
2019 - Present	Journal of Pediatric Infectious Disease Peer Reviewer
2020 - Present	PLOS One Journal Peer Reviewer

20	21 - Present	Open Veterinary Journal Peer Reviewer
20	22 - Present	Environmental International Journal Peer Reviewer
20	24 - Present	International Journal of Human-Computer Interaction Peer Reviewer
Review P	anels	
INCOICOU I	2022	External Grant Reviewer, Health Research Council of New Zealand
	2022	External Grant Reviewer, Fleath Research Sounds of New Zealand
<u>Organize</u>	Conferences,	Sessions, etc.
:	2022 - 2024	NIEHS Biomedical Career Symposium
		Chair, CV and Resume Review Committee
National/	<u>International (</u>	<u>Committees</u>
	2015 - 2017	American Public Health Association (APHA)
	2022 - 2024	NIEHS Epidemiology Branch Seminar Committee
		Trainee Representative
20	09 - Present	American Veterinary Medical Association (AVMA)
20	16 - Present	American Association of Public Health and Food Safety Veterinarians
20	17 - Present	International Society for Environmental Epidemiology (ISEE)
20	18 - Present	Infectious Disease Society of American (IDSA)
20	18 - Present	Society for Healthcare Epidemiology in America (SHEA)
20	23 - Present	One Health Commission, One Health Social Science Initiative
		Chair, Membership and Mentorship Subcommittee
State/Loc	cal Committee	<u>es</u>
	2015 - 2019	— Maryland Veterinary Medical Association (MVMA)
<u>Other</u>		
2	2022 - 2024	Governmental Interagency Microbiome Working Group

# **Public or Community Service**

<u>Other</u>		
	Nov 2018	Townhall Meeting for Johns Hopkins Hospital Employees and Management, Infection Control in Hospital Animal-Assisted Intervention Programs
	Apr 2019	National Pet Therapy Day at Johns Hopkins Hospital, Event Organizer
<u>Other</u>		
	2015 - 2017	CDC / Maryland Department of Health Lyme Corp Outreach Group

### University, College, Department Service

### **University**

2015 - Present Johns Hopkins University One Health Student Group

Co-Founder: 2015 President: 2015-2018

Senior Advisor: 2018-present

### **College**

2018 - 2020 JHSPH Environmental Health and Engineering Faculty Practice Committee

Student Representative

### **Department**

2017 - 2020 JHSPH Environmental Health and Engineering Student Group

Treasurer

#### **Media Contributions**

Oct 2019	New York Times, USA Today, Daily Mail UK, and other major outlets, both in print and broadcast, "Therapy dogs can spread super-bugs to kids, hospital finds"
Oct 2019	Modern Healthcare, "New study scrutinizes hospital therapy dog programs"
Oct 2019	TechTime "Therapy Dogs can transmit super-bugs to young patients, but it can be
Oct 2019	Tech2 "Cleaning procedure prevents therapy dogs from spreading MRSA"
Oct 2019	American Veterinarian "Reducing MRSA transmission between therapy dogs and cancer patients"
Oct 2019	Infection Control Today "Cleaning procedure prevents therapy dogs from spreading MRSA to children with cancer"
Oct 2019	Healio "Antiseptic prevents therapy dogs from spreading MRSA to pediatric cancer patients"
Oct 2019	MedPage Today "Medical dog wash cuts risk of MRSA spread from therapy dogs"
Jun 2020	Healthcare Hygiene Magazine, "Taking a One Health Approach to Infection Prevention and Control" <a href="https://viewer.joomag.com/special-edition-on-infection-prevention-control/0285931001592327974">https://viewer.joomag.com/special-edition-on-infection-prevention-control/0285931001592327974</a>
Jan 2021	Journal of the American Veterinary Association News, "Veterinarians try to protect teams, maintain services during pandemic" <a href="https://www.avma.org/javma-news/2021-01-15/veterinarians-try-protect-teams-maintain-services-during-pandemic">https://www.avma.org/javma-news/2021-01-15/veterinarians-try-protect-teams-maintain-services-during-pandemic</a>

Apr 1, 2023 NIEHS Environmental Factor Magazine, "Fellows stand out in three-minute

communication challenge"

https://factor.niehs.nih.gov/2023/4/beyond-the-bench/communicating-science-3-

minute-challenge

Dec 27, 2024 Farm Progress WallacesFarmer. "The trouble with triazole fungicides" <a href="https://www.farmprogress.com/farm-operations/1223f1-1639-slideshow">https://www.farmprogress.com/farm-operations/1223f1-1639-slideshow</a>