Kristen K. Coleman, PhD

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Education

University of Toledo Toledo, OH, USA Doctor of Philosophy in Biology (Ecology Track) Awarded: May 05, 2017

• College: Natural Sciences and Mathematics

• Dissertation Title: Environmental Detection and Quantification of Airborne Influenza A Virus in an Elementary School, and its Implications for Student and Community Illness

University of Toledo Toledo, OH, USA Awarded: May 03, 2013

Bachelor of Arts in Global Studies (Cum laude)

• College: Language, Literature and Social Sciences

Academic Appointments & Experience

University of Maryland, School of Public Health College Park, MD, USA Maryland Institute for Applied Environmental Health August 2023 – present

Assistant Professor

University of Maryland School of Medicine Baltimore, MD, USA Institute for Clinical and Translational Research July 2023 – present

KL2 Clinical Research Scholar

University of Maryland, School of Public Health College Park, MD, USA Maryland Institute for Applied Environmental Health October 2021 – present

Assistant Research Professor

Duke-NUS Medical School, National University of Singapore Singapore, Singapore Programme in Emerging Infectious Diseases May 2017 - Sept 2021

Postdoctoral Research Fellow (Senior)

National University of Singapore, Yong Loo Lin School of Medicine Singapore, Singapore

Department of Medicine August 2020 – Jan 2021

Postdoctoral Research Fellow

Duke University Department of Medicine, Division of Infectious Diseases Durham, NC, USA

Duke Global Health Institute May - June 2019

Visiting Research Fellow

Duke-NUS Medical School, National University of Singapore Singapore, Singapore January – May 2017

Programme in Emerging Infectious Diseases

University of Toledo, Department of Environmental Sciences Toledo, OH, USA

Graduate Teaching and Research Assistant August 2013 – Jan 2017

Durham, NC, USA Duke University Department of Medicine, Division of Infectious Diseases

Duke Global Health Institute October 2016

Visiting Scholar K. Coleman, 2023

Research Assistant

Northwest Ohio District 2 Science Day Assistant to the Director

Toledo, OH, USA *January 2015 – 2017*

University of Toledo, College of Business and Innovation Advanced Leadership Academy Scholar Toledo, OH, USA

March – April 2015

University of Toledo Environmental Graduate Students *President*

Toledo, OH, USA *December 2013 – 2014*

Manuscripts

*Corresponding authorship; †Co-first authorship / Equal contribution

IF = impact factor of journal

Published / In press:

- Tan KS, Ong SWX, Koh MH, Tay DJW, Aw DZH, Nah YW, Abdullah MRB, Coleman KK, DK Milton, Chu JJH, Chow VTK, Tambyah PA, Tham KW*. SARS-CoV-2 Omicron variant shedding during respiratory activities. <u>International Journal of Infectious Diseases</u> 2023 Mar 21; doi: https://doi.org/10.1016/j.ijid.2023.03.029 (IF: 12)
- Wee LE, Arora S, Kwan-Ki Ko K, Conceicao EP, Coleman KK, Tan KY, Tohid HB, Liu Q, Tung GLT, Jin See SW, Suphavilai C, Ling ML, Venkatachalam I*. Environmental contamination and evaluation of healthcare-associated SARS-CoV-2 transmission risk in temporary isolation wards during the COVID-19 pandemic. <u>Am. J. Infect. Control</u> 2022 Oct 27; doi: <u>10.1016/j.ajic.2022.09.004</u> (IF: 4.3)
- 3. Lai J†, **Coleman KK**†, Tai S S-H, German J, Hong F, Albert B, Esparza Y, Srikakulapu AK, Schanz M, Maldonado IS, Oertel M, Fadul N, Gold TL, Weston S, Mullins K, McPhaul KM, Frieman M, Milton DK*. Exhaled Breath Aerosol Shedding of Highly Transmissible Versus Prior SARS-CoV-2 Variants. Clin Infect Dis 2022 Oct 26; doi: 10.1093/cid/ciac846/6773834 (IF: 21; Citations: 13)
- 4. Adenaiye OO, Lai J, de Mesquita PJB, Hong F, Youssefi S, German J, Tai SS, Albert B, Schanz M, Weston S, Hang J, Fung C, Chung HK, Coleman KK, Sapoval N, Treangen T, Berry IM, Mullins K, Frieman M, Ma T, Milton DK*. Infectious SARS-CoV-2 in Exhaled Aerosols and Efficacy of Masks During Early Mild Infection. <u>Clin Infect Dis</u> 2022 July 1; doi: <u>10.1093/cid/ciab797</u> (IF: 21; Citations: 101)
- 5. Coleman KK, Tay DJW, Tan KS, Ong SWX, Son TT, Koh MH, Chin YQ, Nasir H, Mak TM, Chu JJH, Milton DK, Chow VTK, Tambyah PA, Chen M, Wai TK*. Viral Load of SARS-CoV-2 in Respiratory Aerosols Emitted by COVID-19 Patients while Breathing, Talking, and Singing. Clin Infect Dis 2022 May 15; doi: 10.1093/cid/ciab691. (IF: 21; Citations: 169)
- Wang X, Xiu L, Binder RA, Toh TH, Lee JSY, Ting J, Than ST, Qi W, Coleman KK, Perera D, Ma MJ, Gray GC*. A Pan-coronavirus RT-PCR Assay for Rapid Viral Screening of Animal, Human, and Environmental Specimens. <u>One Health</u> 2021, Volume 13, December 2021, 100274 https://doi.org/10.1016/j.onehlt.2021.100274 (IF: 8.3)
- 7. **Coleman KK**, Robie ER, Abdelgadir A, Kozhumam AS, Binder RA, & Gray GC*. Six Decades of Human Adenovirus Type 4 Infections Reviewed: Increasing Infections Among Civilians Are a Matter of

- 8. Ong SWX†, Tan YK†, Coleman KK†, Tan BH, Leo YS, Wang DL, Ng CG, Ng OT, Wong MSY, and Marimuthu K*. Lack of viable SARS-CoV-2 among PCR-positive air samples from hospital rooms and community isolation facilities. <u>Infection Control & Hospital Epidemiology</u> 2021; doi: 10.1017/ice.2021.8. (IF: 6.5; Citations: 30)
- Binder RA, Alarja NA, Robie ER, Kochek KE, Xiu L, Rocha-Melogno L, Abdelgadir A, Goli SV, Farrell AS, Coleman KK, Turner AL, Lautredou CC, Lednicky JA, Lee MJ, Polage CR, Simmons RA, Deshusses MA, Anderson BD, and Gray GC*. Environmental and Aerosolized SARS-CoV-2 Among Hospitalized COVID-19 Patients. <u>J Infect Dis</u> 2020; doi: <u>10.1093/infdis/jiaa575</u>. (IF: 7.7; Citations: 67)
- 10. Chia PY†, Coleman KK†, Tan YK†, Ong SWX†, Gum M, Lau SK, Sutjipto S, Lee PH, Than ST, Y BE, Milton DK, Gray GC, Schuster S, Barkham T, Prathim P, Vasoo S, Chan M, Ang PSP, Tan BH, Leo YS, Ng OT*, Wong MSY*, Marimuthu K*, for the Singapore 2019 Novel Coronavirus Outbreak Research Team. Detection of Air and Surface Contamination by SARS-CoV-2 in Hospital Rooms of Infected Patients. Nature Communications 2020; 11:2800. doi:10.1038/s41467-020-16670-2 (IF: 17.7; Citations: 854)
- 11. Ong SWX, Coleman KK, Chia PY, Thoon KC, Pada S, Venkatachalam I, Fisher D, Tan YK, Tan BH, Ng OT, Ang BSP, Leo YS, Wong MSY, Marimuthu K*. Transmission Modes of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) and Implications on Infection Control: A Review. Singapore Med J 2020; 1–21. doi: 10.11622/smedj.2020114 (IF: 3.3; Citations: 17)
- 12. Le YH, Nguyen KC, Coleman KK, Nguyen TT, Than ST, Hai PH, Manh ND, Nghia ND, Dan PT, Mai HV, Long TP, Bailey ES, Warkentien TE, Gray GC*. Virus Detections Among Patients with Severe Acute Respiratory Illness, Northern Vietnam. <u>PLoS ONE</u> 2020. 15(5): e0233117. doi:10.1371/journal.pone.0233117 (IF: 3.7; Citations: 5)
- 13. Xiu L, Binder RA, Alarja NA, Kochek K, **Coleman KK**, Than ST, Bailey ES, Bui VN, Toh TH, Erdman DD, Gray GC*. A RT-PCR Assay for the Detection of Coronaviruses from Four Genera. <u>J Clin Virology</u> Volume 128, July 2020, 104391. doi:10.1016/j.jcv.2020.104391 (IF: 14.5; Citations: 39)
- 14. **Coleman KK**, Wong JCC, Jayanthi J, Nguyen TT, Wong AWL, Yadana S, Thoon KC, Chan KP, Low JG, Kalimuddin S, Dehghan S, Kang J, Shamsaddini A, Seto D, Su YCF, Gray GC*. Adenoviral Infections in Singapore: Should New Antiviral Therapies and Vaccines Be Adopted? <u>J Infect Dis</u> Volume 221, Issue 4, 15 February 2020, Pages 566–577, jiz489, doi:10.1093/infdis/jiz489 (IF: 7.7; Citations: 20)
- 15. **Coleman KK***, Sigler WV. Airborne Influenza A Virus Exposure in an Elementary School. <u>Scientific Reports</u> 2020 Feb 5;10(1):1859. doi:10.1038/s41598-020-58588-1 (IF: 5; Citations: 49)
- 16. Yadana S, **Coleman KK***, Nguyen TT, Hansen-Estruch C, Kalimuddin S, Thoon KC, Low JG, & Gray GC. Monitoring for Airborne Respiratory Viruses in a General Pediatric Ward in Singapore. <u>J Public Health Res</u>. 2019; 8(3). doi:10.4081/jphr.2019.1407 (IF: 2.2; Citations: 13)
- 17. Bui VN, Nguyen TT, Nguyen-Viet H, Bui AN, McCallion K, Hu-Suk L, Than ST, **Coleman KK***, Gray GC*. Bioaerosol Sampling to Detect Avian Influenza Virus in Hanoi's Largest Live Poultry Market. <u>Clin Infect Dis</u> 2019 Mar 5;68(6):972-975. doi:10.1093/cid/ciy583 (IF: 21; Citations: 23)

- 18. **Coleman KK***, Nguyen TT, Yadana S, Hansen-Estruch C, Lindsley WG, Gray GC; Bioaerosol Sampling for Respiratory Viruses in Singapore's Mass Rapid Transit Network. <u>Scientific Reports</u> 2018; 8:17476 doi:10.1038/s41598-018-35896-1 (IF: 5; Citations: 69)
- 19. Hansen-Estruch C*, **Coleman KK**, Nguyen TT, Thoon KC, Low JG, Gray GC. Respiratory Polyomaviruses and Pediatric Illness in Singapore. <u>Frontiers in Pediatrics</u> 2018; doi:10.3389/fped.2018.00228 (IF: 3.4; Citations: 7)
- 20. Borkenhagen LK*, Mallinson KA, Tsao RW, Ha SJ, Lim WH, Toh TH, Anderson BD, Fieldhouse JK, Philo SE, Chong KS, Lindsley WG, Ramirez A, Lowe JF, **Coleman KK**, Gray GC. Surveillance for Respiratory and Diarrheal Pathogens at the Human-Pig Interface in Sarawak, Malaysia. PLoS ONE 2018; 13(7). doi:10.1371/journal.pone.0201295 (IF: 3.7; Citations: 53)
- 21. **Coleman, KK***. Environmental Detection and Quantification of Airborne Influenza A Virus in an Elementary School, and its Implications for Student and Community Illness. (Electronic Thesis or Dissertation). 2017. http://rave.ohiolink.edu/etdc/view?acc_num=toledo1493372170333178

In progress:

Lai J, Coleman KK...et al. Evidence that N95 Respirators Should Become the Standard for Source Control of SARS-CoV-2 and Other Respiratory Pathogens.

Dao TD, Coleman KK, Bui VN, Bui AN, Son TT, Nguyen-Viet H, Robie ER, Garcia JA, Hontz RD, Pham PD, Gray GC. Zoonotic Influenza A Virus Surveillance in Live Bird Markets, Northern Vietnam.

Coleman KK, et al., Venkatachalam I. Environmental SARS-CoV-2 Exposures among Single and Cohorted COVID-19 Patients in Singapore.

Professional Meetings & Presentations

UTMB Public Health Symposium, Galveston, TX (April 5, 2023)

Dao DT, **Coleman KK**, Pulscher LA, <u>Marushchak LV</u>, Bui VN, Bui AN, Tran LH, Nguyen GH, Than S, Robie ER, Peret TC, Nguyen-Viet H, Pham PD, Christy NC, Nguyen H, Brooks JS, and Gray GC.

Poster title: Live Bird Market Workers in Vietnam Remain at Risk of Suffering Avian Influenza Virus Spillover Infections.

International Society of Indoor Air Quality and Climate (ISIAQ) 30th Anniversary Webinar (Dec 14, 2022) Morawska L, **Coleman KK**, and Kinney K (moderator).

Webinar title: The long history of airborne infection transmission: why don't we use the knowledge we have? **Presentation:** A One Health Approach to Understanding Pandemic Respiratory Virus Transmission

SPHL100 Expert Panel Discussion: Environmental Health / Climate Change. (Dec 12, 2022) Wilson S, Jones G, Coleman KK, and Sieck N.

Department of Environmental Sciences (DES) Seminar, The University of Toledo, Ohio (Nov 16, 2022)

Coleman KK.

Seminar: Bioaerosol Sampling in Community and Occupational Settings: A One Health Approach to Understanding Pandemic Respiratory Virus Transmission

American Association for Aerosol Research (AAAR) 40th Annual Conference, Raleigh, North Carolina (Oct 3-7, 2022) **Coleman KK.**

Oral presentation: Evolution of SARS-CoV-2 Shedding in Exhaled Breath Aerosols

COVID-19 PROTECT Meeting: Understanding viral emissions, transmission routes and mitigation, University of Leeds, UK (Sept 30, 2022)

Coleman KK.

Oral presentation: Evolution of SARS-CoV-2 Shedding in Exhaled Breath Aerosols

Options XI for the Control of Influenza, Belfast, UK (Sept 26-29, 2022)

Lai J, Coleman KK, et al.

Poster presentation: Evolution of SARS-CoV-2 Shedding in Exhaled Breath Aerosols

11th International Aerosol Conference, Athens, Greece (Sept 4-9, 2022)

Coleman KK.

Oral presentation: Evolution of SARS-CoV-2 Shedding in Exhaled Breath Aerosols

Indoor Air 2022, University of Eastern Finland, Kuopio, Finland (June 12-16, 2022)

Tham KW, Coleman KK.

Oral presentation: A Comparison of Retrieved Respiratory Viral Loads Emitted by Infected SARS-CoV-2 Patients

NIAID SARS-CoV-2 Assessment of Viral Evolution (SAVE) Program. Guest Presentation (April 28, 2022)

Coleman KK, Lai J.

Presentation: Evolution of SARS-CoV-2 Shedding in Exhaled Breath Aerosols

Public Health Research at Maryland Event, SPH Research, Innovation and Practice Poster Session 2022, The University of Maryland, College Park (April 5, 2022)

Coleman KK, Lai J, et al.

Poster: Impact of SARS-CoV-2 variants on viral load in exhaled breath aerosols

MIEH733 Foodborne, Waterborne and Airborne Infectious Diseases. Guest Lecture, The University of Maryland School of Public Health (March 17, 2022)

Coleman KK.

Lecture: Bioaerosol Sampling for Respiratory Pathogens in Community and Occupational Settings

MIEH Seminar (MIEH688), The University of Maryland School of Public Health (Nov 2, 2021)

Coleman KK.

Seminar: One Health is Public Health: Southeast Asia to Maryland

The 69th Annual Meeting of the American Society of Tropical Medicine and Hygiene (Nov 15-19, 2020)

Binder RA, Alarja NA, Robie ER, Kochek KE, Xiu L, Rocha-Melogno L, Abdelgadir A, Goli SV, Farrell AS, **Coleman KK**, Turner AL, Lautredou CC, Lednicky JA, Lee MJ, Polage CR, Simmons RA, Deshusses MA, Anderson BD, Gray GC.

Poster: Environmental and Aerosolized SARS-CoV-2 Among Hospitalized COVID-19 Patients

World One Health Congress, Virtual Edition 2020 (Oct 30 - Nov 3, 2020)

Tung DD, Coleman KK, Bui VN, Son TT, Nguyen-Viet H, Robie ER, Phu PH, Gray GC.

Poster: Avian Influenza Virus Surveillance in Live Bird Markets, Northern Vietnam

BRTMA-International Congress on Tropical Medicine, Sibu, Sarawak Malaysia (Nov 13-15, 2019)

Guest speech: Employing the One Health Approach in Surveilling for Novel Respiratory Viruses in Public

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Places

6th International Symposium on One Health Research, Mongolia (September 18-19, 2019)

Guest speech: Bioaerosol Sampling for Respiratory Viruses in Singapore's Mass Rapid Transit Network

SingHealth Duke-NUS Infectious Diseases Research Institute (IDRI) Scientific Retreat (March 16, 2019)

Guest speech: Bioaerosol Sampling for Respiratory Viruses in Singapore's Mass Rapid Transit Network

Duke One Health Respiratory Diseases Training Program; SGH Academia, Singapore (July 23-27th, 2018)

Lecture: *Project SOP and Detection Algorithm: Adenovirus*

Lecture: Virology of Influenza Virus

12th Singapore Association for Laboratory Animal Science (SALAS) Annual Conference, Singapore (Nov 9th, 2018) **Guest speech:** Viral Aerosol Surveillance at the Human-Animal Interface in Southeast Asia

ISIRV – International Meeting on Respiratory Pathogens (IMRP); Singapore (March 7-9, 2018)

Oral presentation: Bioaerosol Sampling for Respiratory Viruses in Singapore's Mass Rapid Transit Network **Mentee's poster:** A Pilot Study Using Stationary Bioaerosol Sampling to Detect Avian Influenza Virus in a Vietnamese Poultry Market

Mentee's poster: Exploring the Risk of Hospital-Acquired Respiratory Virus Infections in a General Pediatric Ward in Singapore

Duke-NUS EID Science Retreat; Singapore (January 19th, 2018)

Poster & rapid-fire talk: Bioaerosol Sampling for Respiratory Viruses in Singapore's Mass Rapid Transit Network

Mentee's poster: Identifying Airborne Respiratory Viruses in a General Pediatric Ward in Singapore Mentee's poster: A Pilot Study Using Stationary Bioaerosol Sampling to Detect Avian Influenza Virus in a Vietnamese Poultry Market

Duke One Health Workshop on Emerging Respiratory Virus Threats; National Institute for Veterinary Research (NIVR) Hanoi, Vietnam (April 10th, 2017)

Lecture & hands-on training: Bioaerosol Sampling for Infectious Respiratory Viruses

Duke Kunshan University Bioaerosol Workshop; Kunshan, China (April 8th, 2017)

Lecture & hands-on training: Bioaerosol Sampling for Infectious Respiratory Viruses

Duke-NUS EID Science Retreat; Sentosa, Singapore (January 20th, 2017)

Poster and rapid-fire talk: Elementary Student Exposure to Airborne Influenza A Virus

ISIRV - Options IX for the Control of Influenza; Chicago, IL, USA (August 25th, 2016)

Poster: The Persistence of Airborne Influenza A Virus in an Elementary School and Proposed Effects on Student Health and Absenteeism

7th Annual Midwest Graduate Research Symposium; Toledo, OH, USA (April 2016)

Oral presentation: Airborne Influenza A Virus Detection as a Predictive Indicator of Student Illness and Absenteeism

Ottawa Hills Local School District; Ottawa Hills, OH, USA (March 2016)

Guest talk: Tracking germs in the air you breathe: How the flu can make you sick

Dr. Von Sigler's EEES 1170: Microbes in Society; University of Toledo, OH, USA (March 2016) **Guest lecture:** Airborne Influenza A Virus: Children's Health and School Absenteeism

American Society for Microbiology Ohio Branch Spring 2015 Meeting; Elyria, OH, USA (April 2015)

Oral presentation: Detection of Airborne Influenza A Virus using an Electrochemical Immunosensor

Dr. Von Sigler's EEES 1170: Microbes in Society; University of Toledo, OH, USA (April 2015) **Guest lecture:** Airborne Influenza A Virus and the Health of Elementary Schoolchildren

6th Annual Midwest Graduate Research Symposium; Toledo, OH, USA (March 2015)

Oral presentation: Airborne Influenza A Virus and the Health of Elementary Schoolchildren

Dr. Von Sigler's PUBH 5520: Biological Agents Course; University of Toledo, OH, USA (June 2014; May 2015)

Guest lecture: Aerobiology Research: Monitoring Influenza A Virus in Schools

Teaching Experience

*Course includes a laboratory component; †Graduate level course

University of Toledo

EEES 1140*	Environmental Problems Lab (Lecturer)	2013 - 2017
EEES 1170	Microbes and Society (Guest lecturer)	2014 - 2016
EEES 4150/5150*	Organic Evolution (Lab set-up TA)	2014 - 2016
PUBH 5520*†	Biological Agents (Lecturer and	2014 - 2016
	lab set-up TA)	

Funding/Awards/Honors

\$792,720 Singapore NMRC COVID-19 Research Fund. Project title: Mitigating SARS-CoV-2 transmission through expiratory droplet control and environmental intervention (PI: Tham Kwok Wai; Co-PI: Kristen Coleman)

Award recipient of the 2019 Post-Doctoral Research Exchange Program: Duke and Duke-NUS Medical School Collaborative Research Initiative (30-day visit to Duke University)

Singapore Association for Laboratory Animal Science (SALAS) Guest Speaker Plaque of Appreciation \$450 Singapore International Infectious Disease Conference (SIIDC) Fellowship (2017)

\$1,631 University of Toledo Graduate Research Award (awarded to only four UT students per year; 2015-2016) \$80,000 University of Toledo Department of Environmental Sciences Graduate Assistantship (4 years), plus full PhD tuition waiver (2013-2017)

University of Toledo College of Business and Innovation Advanced Leadership Academy Scholarship (2015) University of Toledo Undergraduate Institutional Honors (2013)

\$8,000 University of Toledo Tower Blue Scholarship (2008-2012)

\$3,600 University of Toledo First Generation Award (2008-2012)

Continuing Education

Duke One Health Training Program (May 16 – June 8, 2019)

GLHLTH 731: Introduction to the One Health Approach

GLHLTH 735: An Introduction to Entomology, Zoonotic Diseases, and Food Safety

Duke GH777 Global Scholars Program (January – April 2019)

GLHLTH 777: Infectious Disease Epidemiology in Global Settings

SingHealth Duke-NUS Academic Medical Centre

Inaugural Global Health Introductory Course (July 19-21st, 2018)

Mentees

Thé Son Than, DVM

Research Assistant, Duke-NUS Medical School (October 2018 – July 2021)

Current position: MA student, International Degree Program of Animal Vaccine Technology in the Graduate Institute of Animal Vaccine Technology at National Pingtung University of Science and Technology, Taiwan

Diego Galán, BA

Duke-Singapore Student Scholar Fellow (October 2018 – July 2019)

Current position: Duke University Medical Student (4th year), University of Cambridge MPhil in Public Health Student

Than Yong Yi

Undergraduate Student Intern, Duke-NUS Medical School (2017-2018)

Current position: BS Student, National University of Singapore, Singapore

Tham Nguyen, MPH

Research Associate, Duke-NUS Medical School (January 2017 – July 2018)

Current position: PhD Student, University of Queensland School of Public Health, Australia

Su Yadana, BS

Research Assistant, Duke-NUS Medical School (July 2017 – July 2018)

Current position: MPH Student, Columbia University Mailman School of Public Health, New York

Christophe Hansen-Estruch, MD

Duke University Medical Student (3rd year), Duke-Singapore Student Scholar Fellow (January – July 2017)

Current position: General Surgery Resident, The University of Alabama

Professional Affiliations

UT College of Business and Innovation Advanced Leadership Academy

Association for Women in Science (AWIS)

American Society for Microbiology (ASM)

International Society for Influenza and other Respiratory Virus Diseases (ISIRV)

Infectious Diseases Society of America (IDSA)

American Association for Aerosol Research (AAAR)

International Society of Indoor Air Quality and Climate (ISIAQ)

Service

PHAB Lab germicidal UV light fixture set-up for UMD graduation ceremonies (2022)

Duke-NUS House of Microbial Experts (HOME) Departmental Planning Group, Representative (2017 – 2021)

Northwest Ohio District 2 Science Day, Judge and Assistant to the Director (2015-2017)

Ottawa Hills Local School District, Science Fair Feedback Specialist (2015)

DES Environmental Graduate Students (EGS), President (2013)

Graduate Student Association (GSA), Active Member (2013-2016)

Midwest Graduate Research Symposium (MGRS), Volunteer (2014, 2015)

K. Coleman, 2023

GSA Travel Reimbursement Committee, Member (2013-2014)

Wrap Up Toledo, Volunteer (2010-2014)

Clean Water for the World, Walk for Water Toledo Participant (April 2014)

Clean Water for the World; SewHope, Volunteer Liaison (2014)

Lake Erie Center Seminar Series, Transportation Coordinator (2013)

Kappa Delta Shamrock N' Run 5K, Logistics Committee Member (2012)

Toledo Songfest, *Volunteer Performer* (3rd place, 2011)

LJ Brauer Memorial Foundation, Fundraiser Volunteer (2011)

RockeTHON: The University of Toledo's Dance Marathon, Fundraiser Volunteer (2011, 2012)

Prevent Child Abuse America, Fundraiser Volunteer (2011, 2012)

Yell & Tell: Stop Child Abuse Now Inc., Fundraiser Volunteer (2011)

Girl Scouts of the USA, Social Event Volunteer (2011, 2012)

Policy Citations (hyperlinks embedded in sources)

2021

1. EU Policy on Air Quality. April 19, 2021. The Publications Office of the European Union.

2020

- 1. Advice on the use of masks in the context of COVID-19: interim guidance, 5 June 2020. World Health Organization.
- 2. Transmission of SARS-CoV-2 and Mitigating Measures EMG-SAGE. June 12, 2020. UK Government.
- 3. TWEG: Evidence of wider environmental transmission of SARS-CoV-2, 12 June 2020. UK Government.
- 4. Infection prevention and control during health care when coronavirus disease (COVID-19) is suspected or confirmed: interim guidance, 29 June 2020. *World Health Organization*.
- Transmission of SARS-CoV-2: implications for infection prevention precautions: scientific brief, 09 July 2020. <u>World Health Organization</u>.
- 6. COVID-19 / SARS-CoV-2: Background information for the Health Council. 29 Oct 2020. National Institute for Public Health and the Environment. *Dutch Ministry of Health, Welfare and Sport*.

2019

 NIOSH bibliography of communication and research products 2018. <u>Centers for Disease Control and Prevention</u>. April 1, 2019. (Two publications cited in this document)

Media and Science/Medical News Recognition (hyperlinks embedded in titles and sources)

2023

- Adenovirus Outbreak Has Infected Thousands of Children in India. <u>Asian Scientist Magazine</u>. <u>PressNewsAgency</u>. Mar 30, 2023.
- 2. 'Bold' study that gave people COVID reveals 'supershedder' phenomenon. *Nature*. June 15, 2023.

<u> 2022</u>

- 1. How do I know if I have a cold, the flu or COVID-19? Associated Press. ABC News. The Seattle Times. Jan 7, 2022.
- 2. What is 'Flurona' and What Are the Symptoms? Chicago-Area Doctor on What to Know. NBC Chicago. Jan 7, 2022.
- 3. Coronavirus: UAE reports 2,627 Covid-19 cases, 930 recoveries, no deaths. *Khaleej Times*. (Dubai) Jan 7, 2022.
- 4. Q&A: How can you differentiate cold, flu and COVID-19? <u>Daily Sabah</u>. (Turkey) Jan 10, 2022.
- 5. Chemists have learned to find SARS-CoV-2 in the street air. <u>N + 1: научные статьи, новости, открытия.</u> (Russia) Jan K. Coleman, 2023

- 14, 2022.
- 6. Want to keep Omicron away? Wear a better mask, like the N95. *Tampa Bay Times*. Jan 25, 2022.
- 7. Which masks are safest? Schools around the country struggle to answer. *The Washington Post*. Jan 28, 2022.
- 8. Omitting indoor air quality from COVID-19 guidance for shelters and long-term care homes is a grave mistake. <u>The Conversation</u>. <u>Newsbreak</u>. <u>Global Advisors</u>. <u>Foreign Affairs New Zealand</u>. <u>MedicalXpress</u>. <u>Today UK News</u>. Feb 20-21, 2022.
- 9. Coronavirus FAQ: I'm a one-way masker. What strategy will give me optimal protection? NPR. Feb 25, 2022.
- 10. Doctors see increase in prolonged cold, flu symptoms. KTSM. Fox5 San Diego. April 5, 2022.
- 11. What do we know about "stealth omicron" so far? Associated Press. ABC News. PBS. April 12, 2022.
- 12. Coronavirus FAQ: I'm a one-way masker. With mask mandates going away, is that helpful? NPR. April 19, 2022.
- 13. Will 'one-way masking' be enough as mask mandates fall? Advisory Board. April 20, 2022.
- 14. askST: Is the acute hepatitis outbreak linked to adenovirus infection? *The Straits Times*. May 11, 2022.
- 15. Live TV interview with WJLA's Dave Lucas. Topic: COVID-19, Omicron. July 22, 2022.
- 16. D.C.-area health officials urge precautions as coronavirus cases rise. *The Washington Post*. July 30, 2022.
- 17. How do the rates of SARS-CoV-2 shedding into exhaled breath aerosol differ between individuals infected by different variants? *The Medical News*. Aug 3, 2022.
- 18. Synthetic mouse embryos with brains and hearts. Audio interview. *BBC News World Service*. Science in Action. Aug 4, 2022.
- 19. Senate Holds All-Night 'Vote-a-Rama', With Democrats' Agenda at Stake. *The New York Times*. Aug 7, 2022.
- 20. A Health Care Bill, Minus Covid. *The New York Times*. Aug 8, 2022.
- 21. How much virus does a person with COVID exhale? New research has answers. Nature. Aug 17, 2022.
- 22. Are outdoor events still safe in the age of BA.5? *Public Good News*. Aug 17, 2022.
- 23. Los expertos advierten: "Se debería presionar a los gobiernos para mejorar la calidad del aire en los interiores". *NIUS*. Aug 19, 2022.
- 24. ¿Cuántos virus exhala una persona con COVID? <u>Investigacion Y Ciencia: EPIDEMIOLOGÍA</u>. Sept 1, 2022.
- 25. Alpha, Delta, and Omicron patients may exhale more viruses. *CIDRAP* News Scan for Oct 26, 2022.

- 1. Why the Flu Season Basically Disappeared This Year. *Healthline*. Feb 12, 2021.
- 2–3. Adenovirus type 4 infections more common than thought, large-scale systematic review finds. <u>Duke-NUS Medical School.</u> <u>Medical Spress.</u> Mar 10, 2021.
- 4. Double-masking not necessary, proper mask usage more important: Singapore experts. Yahoo News. Mar 13, 2021.
- 5. 2020 Top 50 SARS-CoV-2 Articles. Nature Communications. March 12, 2021.
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