

2024

**PUBLIC HEALTH ADVISORY BOARD
AT-LARGE RECRUITMENT**

ENVIRONMENTAL HEALTH APPLICANTS

- 1. Dr. Lung-Wen (Antony) Chen**
- 2. Dr. Brian Labus**



PERSONAL INFORMATION FOR APPLICANTS TO THE SOUTHERN NEVADA DISTRICT PUBLIC HEALTH ADVISORY BOARD

The Southern Nevada Health District (Health District) requires this information of all persons who apply for appointment to the Southern Nevada District Board of Health. The personal information you provide will be protected as confidential and will be used by the Health District Board and staff only for official purposes, such as to communicate with prospective and appointed applicants and for demographics. It will not become part of any public document or be otherwise available to the general public.

INSTRUCTIONS: Please complete each item below.

Mr. Ms. Mrs. Dr.

Lung-Wen (Antony)

Chen

FIRST NAME

MI

LAST NAME

RESIDENCE ADDRESS

CITY/STATE/ZIP

MAILING ADDRESS (if different from above)

CITY/STATE/ZIP

DAY PHONE NUMBER

EVENING PHONE NUMBER

CELLPHONE NUMBER

FACSIMILE NUMBER

EMAIL

University of Nevada, Las Vegas

EMPLOYER

4505 S Maryland Pkwy, MS 4009 Las Vegas, NV 89154

BUSINESS ADDRESS

CITY/STATE/ZIP

Associate Professor of Environmental & Occupational Health

OCCUPATION



APPLICATION FOR APPOINTMENT TO THE SOUTHERN NEVADA DISTRICT PUBLIC HEALTH ADVISORY BOARD

I am applying for the position of:

(Check ONE: if you wish to apply for more than one position, a separate application is required)

- Physician Representative
- Nurse Representative
- Environmental Health or Environmental Health Services Representative

NOTE: Nevada law regards all documents considered at public meetings to be public documents. You should expect, therefore, that your application, including this form, will become a public document. (This does not apply to the personal information you provide on a separate form, which will not be made part of any official meeting agenda.) THIS APPLICATION IS SUBJECT TO PUBLIC DISCLOSURE

ALL APPLICANTS (Please print legibly or type)

Mr. Ms. Mrs. Dr.

Lung-Wen (Antony)

Chen

FIRST NAME

MI

LAST NAME

University of Nevada, Las Vegas

EMPLOYER

University of Nevada, Las Vegas

Las Vegas, NV 89154

BUSINESS ADDRESS

CITY/STATE/ZIP

Associate Professor of Environmental & Occupational Health

OCCUPATION

How long have you lived in Clark County:

9 years and 3 months as of April 2024

Please tell us why you are interested in becoming a member of the Advisory Board.

Throughout my 20-year career at the University of Nevada, Las Vegas (UNLV), and at the Desert Research Institute (DRI), I have developed a comprehensive understanding of the environmental challenges facing our region. I am eager to apply my expertise to directly influence public health policies and practices. I am interested in becoming a member of the SNHD Public Health Advisory Board because I believe this role offers a unique opportunity to serve the community I live in and care deeply about, promoting a healthier, more sustainable environment for current and future generations.



Are you employed by any government entity that is a member of the Southern Nevada Health District? If so, please specify.

N/A

Please tell us about your education, training and experiences related to your profession and the position for which you are applying?

I obtained a Ph.D. in Chemical Physics, specializing in air pollution and climate change, from the University of Maryland. I worked at the Division of Atmospheric Sciences, DRI until 2015 when I joined the UNLV School of Public Health. At UNLV, I currently serve as an Associate Professor of Environmental and Occupational Health, lead the Urban Air Quality Lab and serve on the executive committee of the Interdisciplinary Water Resources PhD Program. My research has been supported by international, federal, and regional agencies, including the World Bank, U.S. EPA, SNHD. I taught the graduate-level environmental health courses for several years, covering air and water resources, food safety, waste management, and environmental diseases for more than 200 students.

Please provide three references with knowledge of your abilities related to the position for which you are applying.

Name:

Dr. Francisco Sy, Chair of Environmental Health, UNLV [REDACTED]

Name:

Dr. Eakalak Khan, Chair of Water Resources, UNLV [REDACTED]

Name:

Lei Zhang, Public Health Informatics Manager, SNHD [REDACTED]

Please tell us about any other experience you have that relates to the activities of the Health District. This could include, but is not limited to, the provision of public health services or working in any level of government or serving on any policy boards or public advisory committees.

I have worked with Las Vegas communities to address local environmental health concerns, such as serving on an advisory group to produce the Southern Nevada Extreme Heat Vulnerability Analysis and being interviewed by local media to promote air pollution reductions. I am working with SNHD through a CDC grant to study the environmental and social determinants of COVID-19 disparity. These research expect to identify vulnerable communities for more effective intervention.



PHYSICIAN APPLICANTS ONLY

Are you licensed to practice medicine in this State? If so, please document.

Do you have experience or demonstrated abilities in the provision of health care services to members of minority groups or other medically underserved populations? If so, please specify.

NURSE APPLICANTS ONLY

Are you licensed to practice medicine in this State? If so, please document.

Do you have experience or demonstrated abilities in the provision of health care services to members of minority groups or other medically underserved populations? If so, please specify.



ENVIRONMENTAL HEALTH OR ENVIRONMENTAL HEALTH SERVICES APPLICANTS ONLY

Please tell us about your education, training, and experience related to environmental health or environmental health services.

My academic journey in environmental health began with my Ph.D. work at the University of Maryland, College Park, where I studied the causes and impacts of regional haze and participated in US EPA's Supersite Program to develop next-generation air quality monitoring strategies. Upon completing my Ph.D., I joined the Desert Research Institute as a Postdoctoral Research Associate and later ascended to the role of Associate Research Professor. During this period, I honed my skills in air quality research, developing new methods for the characterization of airborne particulates which have since become standard practices used by researchers globally. In 2015, I transitioned to UNLV, where I currently serve as an Associate Professor of Environmental and Occupational Health. At UNLV, I lead the Urban Air Quality Lab and serve on the executive committee of the Interdisciplinary Water Resources PhD Program. My research and teaching focus on air pollution control, exposure assessment, environmental health, and research methods. My works are supported by numerous grants from federal, state, and local agencies, leading to a total 100+ peer-reviewed publications and 6,000+ citations that attest to the quantity, quality, and influence of these works.

I have been actively involved in the Air and Waste Management Association (A&WMA), the largest professional organization in this field in the U.S. I served as chair and vice-chair of multiple A&WMA Technical Coordinating Committees, organize more than 20 technical sessions for the A&WMA annual conferences, and published 12 well-cited papers on the Journal of the Air & Waste Management Association. Due to my technical contributions, I received the Arthur Stern Distinguished Paper Award in 2016 and the most prestigious A&WMA Frank A. Chambers Excellence in Air Pollution Control Award in 2023. In addition, I am a long-term supporter of the American Association for Aerosol Research and Nevada Public Health Association. I also held editorial positions with several professional journals and am currently an Associate Editor for Aerosol Science and Engineering, an international journal published by Springer Nature.

My professional experiences are complemented by extensive involvement in community and scientific advisory roles. As an example, I served on the Heat Vulnerability Technical Advisory Group, assisting in the Southern Nevada Extreme Heat Vulnerability Analysis. Through a CDC grant, I am working with SNHD epidemiology team to assess the spatial disparity of COVID-19 in Clark County using geocoded surveillance data.

This blend of rigorous academic training, extensive research experience, and dedicated community engagement equips me with the unique qualifications necessary to contribute effectively to the SNHD Advisory Board. I am committed to applying this expertise to enhance public health initiatives and promote sustainable environmental practices within our community.



ALL APPLICANTS

Please provide any additional comments, if desired, in the space provided below. Resumes, curricula vitae or supporting documentation may be submitted with a completed application package.

As a board member, I would focus on bridging the gap between scientific research and practical policy implementation, ensuring that the community’s health and environmental policies are guided by sound science and tailored to the specific needs of Southern Nevada residents.

Moreover, my active involvement in local and international projects—from leading urban air quality improvements to participating in global health programs—highlights my commitment to collaborative solutions and community engagement. I am particularly motivated to contribute to the Board’s efforts in addressing health disparities and ensuring that all community members have access to a healthy environment.

Please see the attached biosketch for further information of my qualification.

I certify that the information provided, and the responses given are correct and complete to the best of my knowledge and belief.

Lung-Wen Chen		4/19/2024
_____ Print Name	_____ Signature	_____ Date

For SNHD Use Only:

Application Received By: _____ Date Received: _____

Candidate approved by the Nominating Committee. Date: _____

Candidate attended BOH meeting. Date: _____

Board Action:

- Approve
- Disapprove
- Other _____

Curriculum Vitae

Lung-Wen Antony Chen

University of Nevada, Las Vegas
Department of Environmental and Occupational Health
School of Public Health
4505 Maryland Parkway, MS 4009
Las Vegas, Nevada 89154

E-mail: [REDACTED] Website: <https://www.unlv.edu/people/lung-wen-chen>

■ PROFESSIONAL BIOGRAPHY

Dr. Chen joined the University of Nevada, Las Vegas (UNLV) in 2015 and is currently an Associate Professor in the UNLV School of Public Health. He has led Urban Air Quality Lab, taught courses in air pollution, atmospheric measurement, environmental health, and research method, and served as the thesis/dissertation advisor for 20+ students. In his current and prior positions with the Nevada System of Higher Education (NSHE), Dr. Chen has 20+ years of experience in air quality research, with 100+ peer-reviewed publications and an *H*-index of 44 (<https://www.webofscience.com/wos/author/record/1080527>) as of April 2024. Dr. Chen's research focuses on: 1) laboratory methods for characterizing environmental pollutants; 2) air pollution exposure and risk assessment; and 3) global environmental health related to energy use, urbanization, and climate change. He has been PI/Co-PI for several NSF, EPA, USDA Forest Service, and state funded research projects investigating motor vehicle and biomass burning emissions. His notable contributions include the development of the EPA SPECIATE source profile database, IMPROVE_A thermal/optical analysis protocol, DRI Model 2015 multi-wavelength carbon analyzer, and Hybrid Environmental Receptor Model (HERM). Recently Dr. Chen has been involved in The World Bank' Pollution Management and Environmental Health Program (PMEH) to tackle air quality challenges in developing countries and leading an effort to study the environmental and social determinants of COVID-19 disparity in Southern Nevada. He also holds editorial positions with *Aerosol Science and Engineering* and *Journal of Geophysical Research – Atmospheres*. For his contributions Dr. Chen won the 2016 Arthur C. Stern Distinguished Paper Award and 2023 Frank A. Chambers Excellence in Air Pollution Control Award from the Air and Waste Management Association (A&WMA).

■ EDUCATION

- | | |
|--------------|---|
| Ph.D. (2002) | Chemical Physics (Emphasis: Atmospheric Chemistry), University of Maryland, College Park <ul style="list-style-type: none">• Dissertation Title: Urban fine particulate matter: Chemical composition and possible origins• Advisors: Bruce Doddridge and Russell Dickerson |
| M.S. (1998) | Physics, National Taiwan University <ul style="list-style-type: none">• Thesis Title: Dual ion/electron point source for scanning ion/electron microscopy• Advisor: Yuh-Lin Wang |
| B.S. (1994) | Physics, National Taiwan University |

■ APPOINTMENTS

- | | |
|--------------|---|
| 2023–Present | Executive Committee Member, Interdisciplinary Water Resources PhD Program, University of Nevada, Las Vegas, NV, USA |
| 2020–Present | Associate Professor, Environmental and Occupational Health, School of Public Health, University of Nevada, Las Vegas, NV, USA |
| 2015–2020 | Assistant Professor, Environmental and Occupational Health, School of Community Health Sciences, University of Nevada, Las Vegas, NV, USA |

Curriculum Vitae

- 2015–Present Affiliate Associate Research Professor, Desert Research Institute, Reno, NV, USA
- 2006–Present Graduate Faculty, Atmospheric Science Program, University of Nevada, Reno, NV, USA
- 2002–2014 Postdoctoral Research Associate, Assistant Research Professor, and Associate Research Professor, Division of Atmospheric Sciences, Desert Research Institute, Reno, NV, USA

■ PROFESSIONAL MEMBERSHIPS

- 2023–Present American Public Health Association (APHA)
- 2012–Present Air and Waste Management Association (AWMA)
- 2003–Present American Association for Aerosol Research (AAAR)

■ PROFESSIONAL SERVICES AND COMMITTEES

- 2023 Co-Chair, Special Symposium: Aerosols Spanning Spatial Scales: Measurement Networks to Models and Satellites, 41st AAAR annual conference
- 2020–2022 Member, Extreme Heat Vulnerability Technical Advisory Group, Southern Nevada Strong
- 2020–2021 Member, Annual Conference Planning Committee, Nevada Public Health Association
- 2019–2023 Guest Associate Editor, *Journal of Geophysical Research–Atmosphere*, American Geophysical Union
- 2016–Present
2015–2021 Associate Editor, *Aerosol Science & Engineering*, Springer Nature
Vice Chair and Chair, Atmospheric Measurement Technical Council Committee, Air and Waste Management Association
- 2012–2014 Foreign Advisor, International Partnership Program for Creative Research Teams, Institute of Earth Environment, Chinese Academy of Sciences
- 2012 Member, Review Panel, Joint Fire Science Program, United States Bureau of Land Management
- 2011–2016 Member, Editorial Board of Atmospheric Sciences Domain, TheScientificWorldJOURNAL, Hindawi Publishing Corporation
- 2009–2010 Guest Editor, Special Issue on Measurement and Modeling of Aerosol Emissions from Biomass Burning, Atmospheric Chemistry and Physics, European Geosciences Union
- 2009 Co-Chair, Special Symposium: Recent Advances in Biomass Burning Emission Measurement and Modeling, 28th AAAR annual conference
- 2007–2008 Member, Climate Change Advisory Committee, Nevada State Governor's Office
- 2003 Member, Review Panel, Air Quality, USDA National Resources Inventory (NRI) Program

■ AWARDS, HONORS, AND PATENTS

- 2023 Frank A. Chambers Excellence in Air Pollution Control Award, Air and Waste Management Association
- 2023 Particuology Outstanding Reviewer Award, *Particuology*
- 2022 Excellence in Service Award, School of Public Health, University of Nevada, Las Vegas
- 2018 The Outstanding Research Award, Department of Environmental and Occupational Health, University of Nevada, Las Vegas

Curriculum Vitae

- 2016 Arthur C. Stern Distinguished Paper Award, Air and Waste Management Association
- 2013–2017 Excellence in Reviewing: *Atmospheric Environment*, *Science of the Total Environment*, and *Journal of Aerosol Science*, Elsevier Publishing
- 2006 Mega Poster Session Award, 99th Annual Conference & Exhibition, Air and Waste Management Association
- 1999 Patent for the “Dual Ion and Electron Source”, U.S. Patent 5977549

■ EXTRAMURAL GARNTS & CONTRACTS (SINCE 2015)

- 2022–2027 Harnessing the Data Revolution for Fire Science
Funder: \$4,099,984, NSF EPSCoR Track 1
Role: Task Lead (June 1, 2022–May 31, 2027)
- 2021–2024 Geospatial Assessment of COVID-19 Disparities in Clark County
Funder: \$486,954, Southern Nevada Health District/CDC
Role: PI (December 1, 2021–May 31, 2024)
- 2020–2024 Collaborative Research: Measurement and Modeling of Brown Carbon (BrC) from Boreal Forest Wildfires in Alaska
Funder: \$134,526, NSF
Role: PI (July 1, 2020–June 30, 2024)
- 2019–2021 Real-World Tire and Brake Wear Emissions
Funder: \$23,596, California Air Resources Board/UC-Riverside
Role: PI (February 1, 2019–January 31, 2021)
- 2018–2021 Development of Smart-CMB (S-CMB) for Air Pollution Source Apportionment
Funder: \$198,825, Chinese Academy of Sciences
Role: PI (February 1, 2018–December 31, 2021)
- 2017–2018 Implementation of PМЕH Air Quality Management (AQM) Program
Funder: \$45,570, The World Bank
Role: PI (May 17, 2017–December 31, 2018)
- 2017–2018 Addressing Indoor Exposure in the Assessment of PM_{2.5} Health Risks Using a Wearable Sensor
Funder: \$13,764, Nevada IDeA Networks of Biomedical Research Excellence (INBRE)
Role: PI (April 1, 2017–March 31, 2018)
- 2015–2019 Collaborative Research: Nitrogen Partitioning and Evolution of Particulate Organic Nitrogen in Peat Fire Emissions
Funder: \$294,994, NSF
Role: Co-PI (July 1, 2015–June 30, 2015)
- 2015–2018 Hybrid Environmental Receptor Model for PM_{2.5} Source Apportionment and Exposure Assessment
Funder, \$93,063, Chinese Academy of Sciences
Role: PI (February 1, 2015–June 30, 2018)

■ EXTRAMURAL GARNTS & CONTRACTS (2003–2015)

- 2013–2013 Black Carbon Monitors Quality Assurance Project Plan (QAPP)
Funder: \$11,749, Battelle/EPA ETV Program
Role: Technical Lead (Mar 19, 2013–August 31, 2013)
- 2012–2015 Refining estimates of atmospheric deposition for sediment particles and particulate nutrients in the Lake Tahoe Basin
Funder: \$235,210, USDA Forest Service/Southern Nevada Public Land Management Act (SNPLMA) R12

Curriculum Vitae

- Role: PI (December 1, 2012–July 31, 2015)
- 2012–2015 Chemical Nature and Origins of Atmospheric Brown Carbon Aerosol
Funder: \$390,000, NSF
Role: Co-PI (September 15, 2012–September 14, 2015)
- 2011–2014 Prescribed Fire Impacts on Air Quality and Visibility over the Tahoe Basin
Funder: \$237,815, USDA Forest Service/SNPLMA R11
Role: PI (July 1, 2011–June 30, 2014)
- 2011–2012 Lake Tahoe Visibility Impairment Source Apportionment Analysis
Funder: \$63,044, Tahoe Regional Planning Agency
Role: Co-PI (April 5, 2011–March 15, 2012)
- 2011–2015 Carbon Analysis for IMPROVE
Funder: \$5,702,444, National Park Service
Role: QA Manager (April 1, 2011–March 31, 2015)
- 2010–2011 Visibility Monitoring and Standards for Lake Tahoe Basin: Assessment of
Current and Alternative Approaches
Funder: \$49,181, USDA Forest Service/SNPLMA R10
Role: PI (July 1, 2010–June 30, 2011)
- 2008–2010 Hazardous Air Pollutants Emissions to Community Exposure in El Paso,
Texas
Funder: \$242,393, EPA Region 6/City of El Paso
Role: PI (April 1, 2008–June 30, 2010)
- 2007–2010 Potential Nutrient Emissions from Prescribed fire in the Lake Tahoe Basin
Funder: \$298,898, USDA Forest Service/SNPLMA R7
Role: Co-PI (October 1, 2007–July 31, 2010)
- 2007–2008 Minnesota PM_{2.5} Source Apportionment Study
Funder, \$97,307, Minnesota Pollution Control Agency
Role: Co-PI (May 1, 2007–June 01, 2008)
- 2005–2008 Evaluation of Regional Scale Receptor Models
Funder: \$436,687, U.S. EPA (STAR)
Role: Co-PI (January 1, 2005–December 31, 2008)
- 2004–2008 Climate Change–Characterization of Black Carbon and Organic Carbon
Air Pollution Emissions and Evaluation of Measurement Methods
Funder: \$449,997, California Air Research Board
Role: Co-PI (November 30, 2004–June 30, 2008)
- 2003–2008 Measurement, Modeling and Analysis Methods for Airborne
Carbonaceous Fine Particulate Matter
Funder: \$449,456, U.S. EPA (STAR)
Role: Co-PI (June 01, 2003–August 31, 2008)

■ MEDIA CONTRIBUTIONS (SINCE 2015)

- 2023 “Researchers from DRI and UNLV teamed up with a Las Vegas
community concerned about a neighboring asphalt plant to measure their
air quality”, *DRI News & Announcements*
(https://www.dri.edu/lv_airquality)
- 2023 “25 Years with PM_{2.5}: A Personal Reflection and Perspective”, *the
National Taiwan University (NTU) Public Health E-paper*
(https://coph.ntu.edu.tw/web/conceal/conceal.jsp?ap_id=AP1680164227008)

Curriculum Vitae

- 2022 “New pollution-tracking grant could pave way for cleaner air in East Las Vegas”, *The Nevada Independent* (<https://thenevadaindependent.com/article/new-pollution-tracking-grant-could-pave-way-for-cleaner-air-in-east-las-vegas>)
- 2021 “Las Vegas ozone pollution improves, but remains high, report says”, *Las Vegas Review Journal* (<https://www.reviewjournal.com/local/local-las-vegas/las-vegas-ozone-pollution-improves-but-remains-high-report-says-2335065/>)
- 2020 “Every Breath You Take”, *Nevada Public Radio* (<https://knpr.org/2020-05-07/every-breath-you-take>)
- 2019 “Is Las Vegas doomed to poor air quality? Not necessarily, experts say”, *Las Vegas Sun* (<https://lasvegassun.com/news/2019/mar/10/las-vegas-air-quality-where-are-we-now-and-what-is>)
- 2018 “Official rips report ranking Las Vegas as 2nd-most polluted metro”, *Las Vegas Review Journal* (<https://www.reviewjournal.com/local/local-las-vegas/official-rips-report-ranking-las-vegas-as-2nd-most-polluted-metro>)
- 2016 “Las Vegas asphalt plant’s emissions may violate EPA’s standard, expert says”, *Las Vegas Review Journal* (<https://www.reviewjournal.com/news/politics-and-government/clark-county/las-vegas-asphalt-plants-emissions-may-violate-epas-standard-expert-says>)

■ PUBLICATIONS (PEER-REVIEWED SINCE 2015; N = 54)

1. Bali, K., Banerji, S., Campbell, J.R., Bhakta, A.V., **Chen, L.-W.A.**, Holmes, C.D. & Mao, J. (2024). Measurements of brown carbon and its optical properties from boreal forest fires in Alaska summer. *Atmospheric Environment*, 324, p.120436.
2. **Chen, L.-W. A.**, Wang, X., Lopez, B., Wu, G., Ho, S. S. H., Chow, J. C., Watson, J. G., Yao, Q., Yoon, S., & Jung, H. (2023). Contributions of non-tailpipe emissions to near-road PM_{2.5} and PM₁₀: A chemical mass balance study. *Environmental Pollution*, 335, p.122283.
3. Lopez, B., Wang, X., **Chen, L.-W. A.**, Ma, T., Mendez-Jimenez, D., Cobb, L. C., and Jung, H. (2023). Metal contents and size distributions of brake and tire wear particles dispersed in the near-road environment. *Science of The Total Environment*, 883, p.163561.
4. Roy, P., **Chen, L.-W. A.**, Chen, Y.-T., Ahmad, S., Khan, E., & Buttner, M. (2023). Pollen Dispersion and Deposition in Real-World Urban Settings: A Computational Fluid Dynamic Study. *Aerosol Science and Engineering*, 7, 543-555.
5. Roy, P., **Chen, L.-W. A.**, Gebreselassie, A., Li, Y., Chow, J. C., Watson, J. G., and Chen, Y. T. (2023). High time-resolution fenceline air quality sensing and dispersion modeling for environmental justice-centered source attribution. *Atmospheric Environment*, 305, p119778.
6. Wang, X., Gronstal, S., Lopez, B., Jung, H., **Chen, L.-W. A.**, Wu, G., Ho, S. S. H., Chow, J. C., Watson, J. G., Yao, Q. and Yoon, S. (2023). Evidence of non-tailpipe emission contributions to PM_{2.5} and PM₁₀ near southern California highways. *Environmental Pollution*, 317, p.120691
7. Valiño, L., Mustata, R., Hierro, J., Hernández, J. L., García, M. J., Blasco, C., Chen, Y.-T., **Chen, L.-W. A.**, and Roy, P. (2023). Particle Deposition Pattern on an Automotive Diesel Filter Using an Eulerian Probability Density Function Method. *Processes*, 11(4), p1100.

Curriculum Vitae

8. Chien, L.-C., **Chen, L.-W. A.**, & Lin, R.-T. (2022). Lagged meteorological impacts on COVID-19 incidence among high-risk counties in the United States—a spatiotemporal analysis. *Journal of Exposure Science & Environmental Epidemiology*, 32(5), 774-781.
9. Li, Y., Yuan, Z., **Chen, L.-W. A.**, Pillarisetti, A., Yadav, V., Wu, M., Cui, H. and Zhao, C. (2022). From air quality sensors to sensor networks: Things we need to learn. *Sensors and Actuators B: Chemical*, 351, p130958.
10. Liu, D., Du Y., Wu, Q., Qin, Z., Sun, X., Liu, H., **Chen, L.-W. A.**, Qu, M., Wang, Q., Lin, G. (2022). School-Based COVID-19 Case Growth Rates in the US: What a Crowdsourced Dataset Can Tell Us? *Annals of Public Health Reports*, 6(1), 268-275.
11. Rezaee, A., **Chen, L.-W. A.**, Lin, G., Buttner, M. P., Gakh, M. and Bloomfield, E. F. (2022). Air Quality Health Benefits of the Nevada Renewable Portfolio Standard. *Atmosphere*, 13(9), p.1387.
12. Wang, X., **Chen, L.-W. A.**, Lu, M., Ho, K. F., Lee, S. C., Ho, S. S. H., Chow, J. C. and Watson, J. G. (2022). Apportionment of Vehicle Fleet Emissions by Linear Regression, Positive Matrix Factorization, and Emission Modeling. *Atmosphere*, 13(7), p1066.
13. **Chen, L.-W. A.**, Chow, J. C., Wang, X., Cao, J., Mao, J., & Watson, J. G. (2021). Brownness of Organic Aerosol over the United States: Evidence for seasonal biomass burning and photobleaching effects. *Environmental Science & Technology*, 55(13), 8561–8572
14. Chow, J. C., **Chen, L.-W. A.**, Wang, X., Green, M. C., & Watson, J. G. (2021). Improved estimation of PM_{2.5} brown carbon contributions to filter light attenuation. *Particuology*, 56, 1-9.
15. Wang, X., **Chen, L.-W. A.**, Ho, K. F., Chan, C. S., Zhang, Z., Lee, S. C., ... & Watson, J. G. (2021). Comparison of vehicle emissions by EMFAC-HK model and tunnel measurement in Hong Kong. *Atmospheric Environment*, 256, 118452.
16. Cao, J., Wang, Q., Li, L., Zhang, Y., Tian, J., **Chen, L.-W. A.**, Ho, S. S. H., Wang, X., Chow, J. C. & Watson, J. G. (2020). Evaluation of the oxidation flow reactor for particulate matter emission limit certification. *Atmospheric Environment*, 224, 117086.
17. **Chen, L.-W. A.**, Chien, L. C., Li, Y., & Lin, G. (2020). Nonuniform impacts of COVID-19 lockdown on air quality over the United States. *Science of the Total Environment*, 745, 141105.
18. **Chen, L.-W. A.**, Olawepo, J. O., Bonanno, F., Gebreselassie, A., & Zhang, M. (2020). Schoolchildren's exposure to PM_{2.5}: a student club-based air quality monitoring campaign using low-cost sensors. *Air Quality, Atmosphere & Health*, 13(5), 543-551.
19. Chien, L. C., & **Chen, L.-W. A.** (2020). Meteorological impacts on the incidence of COVID-19 in the US. *Stochastic Environmental Research and Risk Assessment*, 34(10), 1675-1680.
20. June, N. A., Wang, X., **Chen, L.-W. A.**, Chow, J. C., Watson, J. G., Wang, X., Henderson, B. H., Zheng, Y. & Mao, J. (2020). Spatial and temporal variability of brown carbon in the United States: Implications for direct radiative effects. *Geophysical Research Letters*, 47(23), p.e2020GL090332.
21. Shen, J., Zhao, Q., Cheng, Z., Huo, J., Zhu, W., Zhang, Y., Duan, Y., Wang, X., **Chen, L.-W. A.** & Fu, Q. (2020). Evolution of source contributions during heavy fine particulate matter (PM_{2.5}) pollution episodes in eastern China through online measurements. *Atmospheric Environment*, 232, 117569.

Curriculum Vitae

22. **Chen, L.-W. A.**, Zhang, M., Liu, T., Fortier, K., Chow, J. C., Kolberg, R., Cao, J., Lin, G., Patel, T. Y., Cruz, P., Buttner, M. P., & Watson, J. G. (2019). Evaluation of epifluorescence methods for quantifying bioaerosols in fine and coarse particulate air pollution. *Atmospheric Environment*, 213, 620-628.
23. Chow, J. C., Cao, J., **Chen, L.-W. A.**, Wang, X., Wang, Q., Tian, J., Ho, S. S. H., Watts, A. C., Carlson, T. B., Kohl, S. D. & Watson, J. G. (2019). Changes in PM_{2.5} peat combustion source profiles with atmospheric aging in an oxidation flow reactor. *Atmospheric Measurement Techniques*, 12(10), 5475-5501.
24. Liu, T., **Chen, L.-W. A.**, Zhang, M., Watson, J. G., Chow, J. C., Cao, J., Chen, H., Wang, W., Zhang, J., Zhan, C., Liu, H., Zheng, J., Chen, N., Yao, R., & Xiao, W. (2019). Bioaerosol concentrations and size distributions during the autumn and winter seasons in an industrial city of central China. *Aerosol and Air Quality Research*, 19(5), 1095–1104.
25. Olawepo, J. O., & **Chen, L.-W. A.** (2019). Health benefits from upgrading public buses for cleaner air: A case study of Clark County, Nevada and the United States. *International Journal of Environmental Research and Public Health*, 16(5), 720
26. Watson, J. G., Cao, J., **Chen, L.-W. A.**, Wang, Q., Tian, J., Wang, X., Gronstal, S., Ho, S. S. H., Watts, A. C. & Chow, J. C. (2019). Gaseous, PM_{2.5} mass, and speciated emission factors from laboratory chamber peat combustion. *Atmospheric Chemistry and Physics*, 19(22), 14173-14193
27. Xiang, D., Cai, D., Hu, X., Yao, H., Liu, T., **Chen, L.-W. A.**, & Zhang, M. (2019). A Deep Learning Algorithm for Particle Segmentation of Aerosol Images. *Journal of Flow Visualization and Image Processing*, 26(3), 239-252.
28. Zhao, Z., Cao, J., Chow, J. C., Watson, J. G., **Chen, L.-W. A.**, Wang, X., Wang, Q., Tian, J., Shen, Z., Zhu, C. & Liu, S. (2019). Multi-wavelength light absorption of black and brown carbon at a high-altitude site on the Southeastern margin of the Tibetan Plateau, China. *Atmospheric Environment*, 212, 54-64.
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■ CONFERENCE PRESENTATIONS (AS PRESENTER SINCE 2015; N = 25)

1. DeVille, N., **Chen, L.-W. A.**, Cross, C. L., Chien, L.-C., Collins, C., Gelaw, E., Zhang, L., & Lockett, C. (2023, November). An emerging hotspot analysis of COVID-19 in Clark County, Nevada, 2020-2023. *American Public Health Association Annual Meeting*. Atlanta, GA: American Public Health Association.
2. Chien, L.-C., **Chen, L.-W. A.**, Cross, C. L., DeVille, N., Collins, C., Gelaw, E., ... Lockett, C. (2023, November). Assessing COVID-19 vaccination accessibility in Clark County, Nevada. *American Public Health Association Annual Meeting*. Atlanta, GA: American Public Health Association.
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4. **Chen, L.-W. A.**, Wang, X., Lopez, B., Chow, J. C., Watson, J. G., Yao, Q., Yoon, S., & Jung, H. (2023, June). Contribution of non-exhaust vehicle emissions to near-road PM_{2.5} and PM₁₀: A chemical mass balance study. *A&WMA 116th Annual Conference & Exhibition*. Orlando, FL: Air and Waste Management Association.

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8. **Chen, L.-W. A.** (2021, July). Real-World Applications of the Hybrid Environmental Receptor Model (HERM). *SDC 2021 Clean Air China Summer Workshop*. Virtual Conference: Institute of Earth Environment, Chinese Academy of Sciences.
9. **Chen, L.-W. A.**, Balleza, M., Alonzo, F., & Zhang, M. (2020, September). Real-time Pollen and Spore Monitoring to Mitigate Seasonal Allergies in Las Vegas. *Nevada Public Health Annual Conference*. Virtual Conference: Nevada Public Health Association.
10. **Chen, L.-W. A.**, Wang, X., Chow, J. C., Watson, J. G., & Cao, J. (2020, June). Contributions of Brown Carbon to Urban and Rural Carbonaceous Aerosols Observed from a Long-term PM Monitoring Network. *A&WMA 113rd Annual Conference & Exhibition*. Virtual Conference: Air and Waste Management Association.
11. **Chen, L.-W. A.**, Gebreselassie, A., Chow, J. C., Watson, J. G., & Zhang, M. (2020, June). Assessing Industrial Impact on Air Quality for an Environmental Justice Community Using Low Cost Sensors. *A&WMA 113rd Annual Conference & Exhibition*. Virtual Conference: Air and Waste Management Association.
12. **Chen, L.-W. A.**, Gebreselassie, A., & Zhang, M. (2019, December). Low-Cost Sensors for Assessing Industrial Impact on Air Quality of an Environmental Justice Community in Las Vegas, *AGU Fall Meeting 2019*. San Francisco, CA, American Geophysical Union
13. **Chen, L.-W. A.**, Wang, X., Chow, J. C., Watson, J. G., Ho, K. F., Lee, S. F., & Ho, S. S. (2019, June). Evaluating Emission Factors of Diesel, Gasoline, and Liquefied Petroleum Gas (LPG) Vehicles in a Tunnel Study by Receptor Modeling Analysis. *A&WMA 112^{ed} Annual Conference & Exhibition*. Quebec City, Canada: Air and Waste Management Association.
14. **Chen, L.-W. A.**, Liu, T., Zhang, M., Fortier, K., Kolberg, R., Chow, J. C., & Watson, J. G. (2019, May). Evaluation of Epifluorescence Methods for Quantifying Bioaerosols in Fine and Coarse Particulate Air Pollution. *11th Asian Aerosol Conference*. Hong Kong, China: Asian Aerosol Research Assembly.
15. **Chen, L.-W. A.**, Lagarde, L. R., Zhang, M., Myatt, L., & Halthore, D. (2018, September). Undergraduate Education Using Wearable Sensors to Train Citizen Scientists and Increase Air Quality Awareness. *1st Air Sensors International Conference*. Oakland, CA: UC Davis Air Quality Research Center.
16. **Chen, L.-W. A.**, & Cao, J. (2018, September). PM_{2.5} Source Apportionment Using a Hybrid Environmental Receptor Model. *10th International Aerosol Conference*. San Louis, MO: American Association for Aerosol Research.

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17. **Chen, L.-W. A.**, Chow, J. C., Wang, X., Cao, J., & Watson, J. G. (2019, May). An Empirical Approach Towards Quantifying Black and Brown Carbon Contents from Multi-wavelength Thermal/Optical Analysis. *11th Asian Aerosol Conference*. Hong Kong, China: Asian Aerosol Research Assembly.
 18. **Chen, L.-W. A.**, Liu, T., Zhang, M., Fortier, K., Kolberg, R., Chow, J. C., & Watson, J. G. (2018, June). Evaluation of Epifluorescence Methods for Quantifying Bioaerosol in Air Quality Samples. *A&WMA 111th Annual Conference & Exhibition*. Hartford, CT: Air and Waste Management Association.
 19. **Chen, L.-W. A.**, Liu, T., Zhang, M., Fortier, K., Kolberg, R., Chow, J. C., & Watson, J. G. (2017, November). Evaluation of Epifluorescence Methods for Quantifying Bioaerosol in Air Quality Samples. *A&WMA Conference on Air Quality Measurement Methods and Technology*. Long Beach, CA: Air and Waste Management Association.
 20. **Chen, L.-W. A.**, Cao, J., Wang, X., Chow, J. C., & Watson, J. G. (2017, June). PM_{2.5} Source Apportionment Using a Hybrid Environmental Receptor Model. *A&WMA 110th Annual Conference & Exhibition*. Pittsburgh, PA: Air and Waste Management Association.
 21. **Chen, L.-W. A.**, Tai, A. Y.-C., Wang, X., Chow, J. C., & Watson, J. G. (2016, August). Atmospheric Deposition of Particles at a Sensitive Alpine Lake: Size- Segregated Daily and Annual Fluxes from Passive Sampling Techniques. *9th Annual Conference of Chinese Society of Particuology*. Chengdu, China: Chinese Society of Particuology.
 22. **Chen, L.-W. A.**, Tai, A. Y.-C., Wang, X., Chow, J. C., & Watson, J. G. (2016, June). Assessment of Annual and Seasonal Fluxes of Particulate Matter from Atmospheric Deposition to Lake Tahoe. *A&WMA 109th Annual Conference & Exhibition*. New Orleans, LA: Air and Waste Management Association.
 23. **Chen, L.-W. A.**, Wang, X., Green, M. C., Malamakal, T., Chow, J. C., & Watson, J. G. (2015, October). Evaluation of prescribed burning emissions and impacts on PM_{2.5} exposure: Case studies in the Lake Tahoe Basin. *25th Annual Meeting of the International Society of Exposure Science*. Henderson, NV, USA: International Society of Exposure Science (ISES).
 24. **Chen, L.-W. A.**, Han, Y., Chow, J., Cao, J., & Watson, J. G. (2015, August). Black carbon in dust and sediment particles: quantification from filter-based spectral absorption measurement. *11th International Conference on Carbonaceous Particles in the Atmosphere (ICCPA)*. Berkeley, CA: Lawrence Berkeley National Laboratory.
 25. **Chen, L.-W. A.**, Malamakal, T., Wang, X., Green, M. C., Chow, J. C., & Watson, J. G. (2015, June). *Evaluation of Prescribed Burning Emissions and Impacts on Air Quality (PM_{2.5}) in the Lake Tahoe Basin*. *A&WMA 108th Annual Conference & Exhibition*. Raleigh, NC: Air and Waste Management Association.
- **INVITED PROFESSIONAL TALKS (SINCE 2015; N = 12)**
1. **Chen, L.-W. A.** (2023, July). Air quality studies in Las Vegas using low-cost sensors. *RCEC Research Seminar*. Taipei, Taiwan: Research Center for Environmental Changes, Academia Sinica.
 2. **Chen, L.-W. A.** (2023, May). Advancing Filter-based Carbon Measurements for PM_{2.5} Monitoring and Radiative Forcing Assessments. *IAP Research Seminar*. Beijing, China: Institute of Atmospheric Physics Chinese Academy of Sciences.

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3. **Chen, L.-W. A.** (2023, February). Real-world Applications of Receptor Models for Source Apportionment of Particulate Air Pollution. *Joint Environmental, Occupational Health and Food Safety Lecture Series*. Taipei, Taiwan: School of Public Health, National Taiwan University.
 4. Jung, H., Wang, X., **Chen, L.-W. A.**, Guoyuan, W., & Zhang, M. (2022, June). Real-World Tire and Brake-Wear Emissions. *CARB Research Seminar*. Virtual Seminar: California Air Resources Board.
 5. **Chen, L.-W. A.** (2021, August). Air quality studies in Las Vegas using low-cost sensors. *Lightning lunch: UNLV Research Feature*. Virtual Seminar: Desert Research Institute.
 6. **Chen, L.-W. A.** (2018, May). PM_{2.5} Source Apportionment Using a Hybrid Environmental Receptor Model. *National Taiwan University Public Health Seminar*. Taipei, Taiwan: School of Public Health, National Taiwan University.
 7. **Chen, L.-W. A.**, Watson, J. G., Chow, J. C., & Tropp, R. J. (2017, July). Properties and Effects of Airborne PMs. *PMEH Symposium on Air Quality Management, Ambient Monitoring, Laboratory Analysis, Source and Receptor Modeling, and Quality Assurance*. Lagos, Nigeria: The World Bank.
 8. **Chen, L.-W. A.**, Watson, J. G., & Chow, J. C. (2017, July). Status of Continuous PM and Gas Monitoring and Microsensor. *PMEH Symposium on Air Quality Management, Ambient Monitoring, Laboratory Analysis, Source and Receptor Modeling, and Quality Assurance*. Lagos, Nigeria: The World Bank.
 9. **Chen, L.-W. A.** (2017, July). Source Apportionment with Source Characterization & Receptor Modeling. *PMEH Symposium on Air Quality Management, Ambient Monitoring, Laboratory Analysis, Source and Receptor Modeling, and Quality Assurance*. Lagos, Nigeria: World Health Organization.
 10. **Chen, L.-W. A.** (2016, July). Causes and Source Apportionment for Wintertime PM_{2.5} Episodes in an Urban Valley of Western U.S. *National Taiwan University Global Health Seminar*. Taipei, Taiwan: School of Public Health, National Taiwan University.
 11. **Chen, L.-W. A.** (2015, December). Evaluation of prescribed burning emissions and impacts on PM_{2.5} exposure: Case studies in the Lake Tahoe Basin. *33rd TSI Aerosol Forum*. Xi'an, China: Key Laboratory of Aerosol Chemistry and Physics (KLACP), Chinese Academy of Sciences.
 12. **Chen, L.-W. A.** (2015, December). Black carbon in geological particles: Quantification from filter-based spectral absorption measurement. *34th TSI Aerosol Forum*. Xi'an, China: Key Laboratory of Aerosol Chemistry and Physics (KLACP), Chinese Academy of Sciences.
- **COMMUNITY PRESENTATIONS (SINCE 2015)**
1. **Chen, L.-W. A.**, Ramos, M., Leovy, J., & Gully, P. (2022, May). Climate Change Challenges in Southern Nevada. *UNLV School of Public Health Webinar*. Webinar Online: UNLV School of Public Health.
 2. **Chen, L.-W. A.**, & Halthore, D. (2017, May). Whats In Air We Breath? *Las Vegas Science and Technology Festival - Science in Schools*. Dell H. Robison Middle School: Clark County School District.
- **STUDENTS AND POSTDOCS ADVISED (N = 24)**
1. Andrea Lopez (MPH, UNLV 2024), Committee Co-Chair

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2. Matthew Gallegos (MPH, UNLV 2024), Committee Chair
3. Casey Barber (PhD in Public Health, UNLV 2024), Committee Member
4. Laine Adame (MS in Water Resources Management, UNLV 2024), Committee Co-Chair
5. Prosun Roy (PhD in Mechanical Engineering, UNLV 2023), Committee Co-Chair
6. Komal Sood (MPH, UNLV 2022), Committee Member
7. Averi Millet (MPH, UNLV 2022), Committee Member
8. Heejin Mun (MPH, UNLV 2022), Committee Member
9. Alireza Rezaee (MPH, UNLV 2022), Committee Chair
10. Savij Apichon (MPH, UNLV 2020), Committee Member
11. Aman Gebreselassie (MPH, UNLV 2019), Committee Chair
12. John Olawepo (PhD in Public Health, UNLV 2019), Independent Study Supervisor
13. Karey Fortier (MPH, UNLV 2019), Committee Chair
14. Ana Emygdio (Visiting PhD Student, University of São Paulo 2018), Supervisor
15. Jie Tian (Postdoc, Chinese Academy of Sciences 2018), Supervisor
16. Anish Puri (MPH, UNLV 2018), Committee Member
17. Joshua Jensen (MPH, UNLV 2018), Committee Member
18. Loiren Monardes (MPH, UNLV 2018), Committee Member
19. Ting Liu (Postdoc, Hubei Polytechnic University 2017), Supervisor
20. Divya Halthore (MPH, UNLV 2017), Committee Chair
21. Rachel Kolberg (MPH, UNLV 2017), Committee Chair
22. Tanviben Patel (PhD in Public Health, UNLV 2017), Committee Member
23. Anna Tai (MS in Atmospheric Sciences, UNR 2015), Committee Chair
24. Tom Malamakal (MS in Atmospheric Sciences, UNR 2012), Committee Chair

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PERSONAL INFORMATION FOR APPLICANTS TO THE SOUTHERN NEVADA DISTRICT PUBLIC HEALTH ADVISORY BOARD

The Southern Nevada Health District (Health District) requires this information of all persons who apply for appointment to the Southern Nevada District Board of Health. The personal information you provide will be protected as confidential and will be used by the Health District Board and staff only for official purposes, such as to communicate with prospective and appointed applicants and for demographics. It will not become part of any public document or be otherwise available to the general public.

INSTRUCTIONS: Please complete each item below.

Mr. Ms. Mrs. Dr.

Brian

J

Labus

FIRST NAME

MI

LAST NAME

RESIDENCE ADDRESS

CITY/STATE/ZIP

MAILING ADDRESS (if different from above)

CITY/STATE/ZIP

DAY PHONE NUMBER

EVENING PHONE NUMBER

CELLPHONE NUMBER

FACSIMILE NUMBER

EMAIL

UNLV School of Public Health

EMPLOYER

4700 S. Maryland Pkwy Box 3063 Las Vegas, NV 89119

BUSINESS ADDRESS

CITY/STATE/ZIP

Assistant Professor, Epidemiology and Biostatistics

OCCUPATION



APPLICATION FOR APPOINTMENT TO THE SOUTHERN NEVADA DISTRICT PUBLIC HEALTH ADVISORY BOARD

I am applying for the position of:

(Check ONE: if you wish to apply for more than one position, a separate application is required)

- Physician Representative
- Nurse Representative
- Environmental Health or Environmental Health Services Representative

NOTE: Nevada law regards all documents considered at public meetings to be public documents. You should expect, therefore, that your application, including this form, will become a public document. (This does not apply to the personal information you provide on a separate form, which will not be made part of any official meeting agenda.) THIS APPLICATION IS SUBJECT TO PUBLIC DISCLOSURE

ALL APPLICANTS (Please print legibly or type)

Mr. Ms. Mrs. Dr.

Brian

J.

Labus

FIRST NAME

MI

LAST NAME

UNLV School of Public Health

EMPLOYER

4700 S. Maryland Pkwy Box 3063 Las Vegas, NV 89119

BUSINESS ADDRESS

CITY/STATE/ZIP

Assistant Professor, Epidemiology and Biostatistics

OCCUPATION

How long have you lived in Clark County:

24 Years

Please tell us why you are interested in becoming a member of the Advisory Board.

My first public health job was as an epidemiologist with SNHD (CCHD at the time). For the nearly 15 years, I worked to guide and conduct the actions of the agency to protect the residents of, and visitors to, Clark County. I joined the faculty at UNLV in 2015 to train the next generation of public health professionals and I am proud of having taught many people working at SNHD today. I welcome the opportunity to give something back to an agency and community that made me the public health professional I am today. I have a strong understanding of how SNHD works and the challenges the dedicated employees face in trying to protect our population, and I look forward to supporting them, and the Board of Health, in doing so.



Are you employed by any government entity that is a member of the Southern Nevada Health District? If so, please specify.

No

Please tell us about your education, training and experiences related to your profession and the position for which you are applying?

I am an infectious disease epidemiologist with 23 years experience working in public health, all of that time spent in Southern Nevada. I worked at SNHD from 2001-2015 leading outbreak investigations and surveillance activities and joined the UNLV Public Health faculty in 2015. I have a PhD in Public Health with a concentration in Environmental and Occupational Health, an MPH in Infectious Diseases, and a BS in Biology. I am also a registered with the National Environmental Health Association (NEHA) as a Registered Environmental Health Specialist (REHS).

Please provide three references with knowledge of your abilities related to the position for which you are applying.

Name:

Shawn Gerstenberger, PhD, Dean, UNLV School of Public Health

Name:

Sheniz Moonie, PhD, Chair, UNLV Department of Epidemiology and Biostatistics

Name:

Francisco Sy, MD, PhD, Chair, Department of Environmental and Global Health

Please tell us about any other experience you have that relates to the activities of the Health District. This could include, but is not limited to, the provision of public health services or working in any level of government or serving on any policy boards or public advisory committees.

I was employed at SNHD from 2001 to 2015, serving as the senior epidemiologist for most of that time. At UNLV, I was the internship coordinator and I placed numerous interns at SNHD, and I currently teach and mentor SNHD employees enrolled in UNLV's MPH and PhD programs. During COVID, I worked extensively with SNHD, operating a team of over 200 student contact tracers to support SNHD investigative activities. I also served as a member of Governor Sisolak's COVID-19 Medical Advisory Team.



PHYSICIAN APPLICANTS ONLY

Are you licensed to practice medicine in this State? If so, please document.

Do you have experience or demonstrated abilities in the provision of health care services to members of minority groups or other medically underserved populations? If so, please specify.

NURSE APPLICANTS ONLY

Are you licensed to practice medicine in this State? If so, please document.

Do you have experience or demonstrated abilities in the provision of health care services to members of minority groups or other medically underserved populations? If so, please specify.



ENVIRONMENTAL HEALTH OR ENVIRONMENTAL HEALTH SERVICES APPLICANTS ONLY

Please tell us about your education, training, and experience related to environmental health or environmental health services.

I earned an MPH in infectious diseases and a PhD is in Public Health with a concentration in Environmental and Occupational Health. While I was employed as an epidemiologist with SNHD, I regularly worked with Environmental Health Specialists on the field investigations of numerous foodborne outbreaks in restaurants, legionella and norovirus outbreaks in Strip resorts, and on the largest outbreak of healthcare-associated hepatitis in US history. I am a Registered Environmental Health Specialist with the National Environmental Health Association and I regularly present at Nevada Environmental Health Association / Nevada Food Safety Task Force annual convention, providing continuing education credits to the REHS staff of SNHD and other governmental agencies. I teach numerous graduate courses at UNLV with a strong environmental health component, including outbreak investigation, food safety, and infectious disease epidemiology. I was also extensively involved in the response to COVID throughout the state, advising the governor, UNLV leadership, and numerous governmental agencies and private businesses on cleaning and disinfection, surveillance, vaccination, and environmental prevention and control of disease.



ALL APPLICANTS

Please provide any additional comments, if desired, in the space provided below. Resumes, curricula vitae or supporting documentation may be submitted with a completed application package.

I have attached my CV to this application

I certify that the information provided, and the responses given are correct and complete to the best of my knowledge and belief.

Brian Labus		4/25/2024
_____ Print Name	_____ Signature	_____ Date

For SNHD Use Only:

Application Received By: _____ Date Received: _____

Candidate approved by the Nominating Committee. Date: _____

Candidate attended BOH meeting. Date: _____

Board Action:

- Approve
- Disapprove
- Other _____

Brian J. Labus

PhD, MPH, REHS

Address

School of Public Health
University of Nevada Las Vegas
4700 S. Maryland Parkway, Suite 335
Las Vegas, NV 89119
Phone: (702) 895-2649
Email: brian.labus@unlv.edu

Personal Profile

I am an infectious disease epidemiologist with 24 years of experience in field epidemiology, outbreak investigation, and public health informatics. From 2020 through 2023, I worked extensively on COVID-19 response activities, serving on Nevada Governor Sisolak's Medical Advisory Team, leading a team of over 200 student contact tracers, and participating in various aspects of the university's COVID response. I have made 1,200 media appearances in local, national, and international print and video outlets, including the New York Times, Washington Post, CNN, Forbes, and National Public Radio on a variety of infectious disease topics, including COVID-19, Mpox, Flu, Legionella and Naegleria. Prior to joining the University of Nevada, Las Vegas, School of Public Health faculty in 2015, I conducted outbreak investigations, managed the communicable disease surveillance system, and developed public health informatics projects at the local health department in Las Vegas, NV for nearly fifteen years. Most significantly, I led a two-year investigation into the largest outbreak of healthcare-acquired hepatitis C in United States history when over 60,000 people were exposed to bloodborne pathogens because of unsafe injection practices at an endoscopy center.

Education

- 2015 **Ph.D., Public Health, Concentration in Environmental and Occupational Health**
University of Nevada, Las Vegas; Las Vegas, NV
- 2000 **M.P.H., Infectious Diseases**
University of California; Berkeley, CA
- 1997 **B.S., Biology**
Purdue University, West Lafayette, IN

Professional certifications

- 2011-present **Registered Environmental Health Specialist**
National Environmental Health Association
License: 9008110, issued 6/1/2011

Professional Experience

- 2018-present **Assistant Professor (Tenure track)**
- 2017-2018 **Visiting Assistant Professor**
- 2015-2017 **Visiting Research Assistant Professor**
- 2006-2015 **Adjunct Faculty**
Department of Epidemiology and Biostatistics
School of Public Health, University of Nevada, Las Vegas

- Research interests: infectious disease epidemiology, outbreak investigation, disease surveillance and reporting, opioid overdoses, healthcare-associated infections
- Teach graduate and undergraduate courses in general public health, general epidemiology, outbreak investigation, and infectious disease epidemiology
- Served as the MPH internship coordinator
- Mentor students and serve as chair and committee member for numerous MPH and PhD student thesis and dissertation committees
- Provided expert guidance to various government agencies and businesses throughout the COVID pandemic
- Led a COVID contact tracing team of 250 student investigators that was named the 2021 Nevada Public Health Association's Public Health Program of the Year
- Led UNLV on-campus COVID disease investigation and contact tracing efforts

2001-2015

Senior Epidemiologist, Epidemiologist

Office of Epidemiology

Southern Nevada Health District, Las Vegas, NV

- Led investigations of numerous outbreaks of foodborne disease, respiratory disease, vaccine preventable disease and healthcare-acquired disease in Las Vegas
- Led the investigation of the largest outbreak of healthcare-acquired hepatitis C in United States history, with 63,000 exposed patients. Conducted field investigation; developed, implemented and analyzed questionnaires; responded to media requests for information and interviews; testified to the state legislature and briefed Nevada's congressional delegation; assisted in the development of new statutes and regulations; testified in the criminal trial resulting in the conviction of the responsible physician for murder and several civil trials resulting in over \$1 billion in judgments against various defendants
- Created, implemented, maintained and evaluated disease surveillance systems, including the development of a novel patient complaint-based syndromic surveillance system for communicable diseases and a sentinel physician respiratory disease surveillance system
- Developed public health informatics projects including a foodborne illness complaint system, the health alert network system, systems for tracking information during outbreaks, and electronic laboratory report processing. Participated in requirements gathering, gap analysis, and the selection of an open-source disease surveillance system and the development of in-house electronic laboratory reporting processing, and served as the subject matter expert during implementation, ongoing maintenance and enhancement
- Wrote county disease reporting regulations and led the process of public hearings and approval by the local and state boards of health and participated in multiple revisions of state health regulations, including drafting language and testifying on behalf of the agency at state board of health meetings
- Represented the agency and the state in numerous national meetings and conferences, as part of various workgroups, and during public health functional exercises and tabletops
- Conducted specialized studies and evaluations of public health topics including influenza, childhood immunization, and trauma system utilization
- Provided oversight of lower-level staff and reviewed epidemiologic reports and projects
- Served as the office media spokesperson, giving over one thousand live and recorded interviews on various topics for print, television and radio for local, national and international media
- Interviewed people with communicable diseases, arranged prophylaxis and conducted work exclusions

Consulting/Advising

2022	Nevada System of Higher Education COVID-19 Task Force
2021-2023	Las Vegas Aces, Women's National Basketball Association, Infectious Disease Consultant
2020-2023	UNLV Athletics Team Epidemiologist
2020-2022	Nevada Governor Sisolak's COVID-19 Medical Advisory Team
2020-2022	UNLV COVID-19 Incident Management Team
2020-2022	Nevada State College, COVID-19 Consultant
2020-2022	College of Southern Nevada, COVID-19 Consultant
2020-2021	Mountain West Conference, COVID-19 Testing and Contact Tracing Consultant
2020	US Federal Courts, Nevada, COVID-19 Consultant

Publications: Peer-Reviewed Journal Articles

Coughenour C., Chien, L-C., Gakh, M., **Labus, B.**, McDonough, I., Grigsby, T., Usufzy, P. Food and Housing Insecurity in Nevada During the COVID-19 Pandemic. *Journal of community health*, 2024-04, Vol.49 (2), p.296-313.

Nerida, T., Sharma, M., **Labus, B.**, Marquez, E., & Dai, C.-L. (2023). COVID-19 Vaccine Acceptance Behavior among Hispanics/Latinxs in Nevada: A Theory-Based Analysis. *Healthcare (Basel)*, 11(5), 688.

Conway Kleven, B. D., Chien, L.-C., **Labus, B.**, Cross, C. L., Ritter, A., Randall, R., Montes, A., & Bernick, C. (2023). Longitudinal Changes in Regional Brain Volumes and Cognition of Professional Fighters With Traumatic Encephalopathy Syndrome. *Neurology*, 101(11), e1118–e1126

Mihajlovski, K., Buttner, M., Cruz, P., **B Labus**, St Pierre Schneider, B., Detrick, E. "SARS-CoV-2 Surveillance with Environmental Surface Sampling in Public Areas." *PloS One* 17, no. 11 (2022): E0278061.

Batra, K., Pharr, J., Terry, E., **Labus, B.** "Assessing Psychological Impact of COVID-19 among Parents of Children Returning to K-12 Schools: A U.S. Based Cross-Sectional Survey." *Healthcare (Basel)* 10, no. 5 (2022): 775.

Kahane, E., Chien, L-C., **Labus, B.**, Bhammar D., Chevalier, J-A., Moonie, S. (2022) Depression and factors impacting quality of life among adults with asthma presence in Nevada. *Journal of Community Medicine and Public Health*. Accepted March 11, 2022.

Coughenour, C., Gakh, M., Sharma, M., **Labus, B.**, Chien, LC. (2021) Assessing Determinants of COVID-19 Vaccine Hesitancy in Nevada. *Health Security*. 16, 6.

Ajumobi, O., Verdugo, S., **Labus, B.**, Reuther, B., Lee, B., Koch, B., Davidson, P., and Wagner, D. (2021) Identification of Non-Fatal Opioid Overdose Cases Using 9-1-1 Computer Assisted Dispatch and Prehospital Patient Clinical Record Variables. *Prehospital Emergency Care*, 2021, 1-11.

Gakh M., Coughenour, C., Conway Kleven, B., **Labus, B.** (2021) State Recreational Marijuana Laws and Dispensaries: Chronic School Absenteeism in Washington State. *Health Behavior and Policy Review*, 8(4), 365-373.

Coughenour, C., Conway Kleven, B., Gakh, M., Stephen, H., Chien, L-C, **Labus, B.**, & Whaley, R. (2021). School absenteeism is linked to household food insecurity in school catchment areas in Southern Nevada. *Public Health Nutrition*, 1-7.

Anderson, J., Moonie, S., Hogan, MB., & **Labus, B.** (2020). A description of eosinophilic esophagitis in the Southwestern state of Nevada. *Postgraduate Medicine*, 132(3), 251-255.

Anderson, J., Moonie, S., Hogan, M.B., Scherr, R., **Labus, B.** and Word, J. (2020), Cost of chronic inflammatory disease: The impact of eosinophilic esophagitis in Nevada. *Journal of Digestive Diseases*, 21(1), 12-19.

Ganta V., Moonie S., **Labus B.**, Gutierrez K., Goodman, X. (2020) Barriers for Cervical Cancer Screening in Women Living with HIV: A Systematic Review. *Journal of Health Disparities Research and Practice*. 13 (2).

Anderson, J., Moonie, S., Hogan, and **Labus, B.** (2019). Factors associated with eosinophilic esophagitis in the Southwestern state of Nevada. *Postgraduate Medicine*. Available at: <https://www.tandfonline.com/doi/full/10.1080/00325481.2019.1687192>

Wagner, K., Harding, R., Kelley, R., **Labus, B.**, Verdugo, S., Copulsky, E., Bowles, J.M., Mittal, M.L., and Davidson, P. (2019). Post-overdose interventions triggered by calling 911: Centering the perspectives of people who use drugs (PWUDs). *PLoS One*, 14(10), E0223823.

Gakh, M., **Labus, B.**, & Walker, B. (2017). Characteristics of Laws Requiring Physicians to Report Patient Information for Public Health Surveillance: Notable Patterns from a Nevada Case Study. *Journal of Community Health*, Journal of community health, 19 September 2017. Available at: <https://link.springer.com/article/10.1007/s10900-017-0426-4>

Sadilek, A., Kautz, H., Diprete, L., **Labus, B.**, Portman, E., Teitel, J., & Silenzio, V. (2017). Deploying nEmesis: Preventing foodborne illness by data mining social media. *AI Magazine*, 38(1), 37-48. Available at: <http://192.5.53.208/users/faculty/kautz/papers/nemesis-aimag.pdf>

Sadilek A, Kautz H, DiPrete L, **Labus B**, Portman E, Teitel J, Silenzio V. Deploying nEmesis: Preventing Foodborne Illness by Data Mining Social Media. (2017). Twenty-Eighth Annual Conference on Innovative Applications of Artificial Intelligence. Phoenix, AZ. 2016. Available at: <http://www.cs.rochester.edu/~sadilek/publications/Sadilek,%20Kautz,%20et%20al.%20Deploying%20nEmesis.pdf>

St. Jacques K, Cruz P, **Labus B.** (2013). Analysis of the morbidity and mortality of severe influenza infection in Clark County, Nevada for the 2010-2011 influenza season. *Nevada Journal of Public Health*. 2013. Available at: <https://digitalscholarship.unlv.edu/njph/vol10/iss1/2/>

Silk BJ, Moore MR, Bergtholdt M, Gorwitz RJ, Kozak NA, Tha MM, Brown EW, Winchester JL, **Labus BJ**, Rowley P, Middaugh JP, Fields BS, Hicks LA. (2012). Eight years of Legionnaires' disease transmission in travelers to a condominium complex in Las Vegas, Nevada. *Epidemiology and Infection* 2012; Jan 4:1-10. Available at: <http://www.jstor.org/stable/23271669>

Fischer G, Schaefer M, **Labus B**, Sands L, Rowley P, Azzam IA, Armour P, Khudyakov YE, Lin Y, Xia G, Patel PR, Perz JF, Holmberg SD. (2010). Hepatitis C virus infections from unsafe injection practices at an endoscopy clinic in Las Vegas, Nevada, 2007–2008. *Clinical Infectious Diseases* 2010;51:267–273. Available at: <https://academic.oup.com/cid/article/51/3/267/307011>

Labus B, Sands L, Rowley P, Azzam IA, Holmberg SD, Perz JF, Patel PR, Fischer GE, Schaefer M. (2008). Acute hepatitis C virus infections attributed to unsafe injection practices at an endoscopy clinic—Nevada, 2007. *JAMA*, Vol. 299 No. 23, June 18, 2008. Available at: <https://jamanetwork.com/journals/jama/fullarticle/182106>

Labus B, Sands L, Rowley P, Azzam IA, Holmberg SD, Perz JF, Patel PR, Fischer GE, Schaefer M. (2008). Acute hepatitis C virus infections attributed to unsafe injection practices at an endoscopy clinic—Nevada, 2007. *Morbidity and Mortality Weekly Report* 2008. 57(19); 513-517. Available at: <https://www.cdc.gov/mmwr/PDF/wk/mm5719.pdf>

Beatty ME, Verchick L, Rowley P, **Labus B**, Ormand B, Bell RL, Braden C, Painter J. (2005). The internet as a useful adjunct during foodborne outbreak investigations. *Food Protection Trends*. 2005 July; 25(7) 518-521. Available at: <https://www.foodprotection.org/publications/food-protection-trends/archive/2005-07-the-internet-as-a-useful-adjunct-during-foodborne-outbreak-investigations/#>

Huang SS, **Labus BJ**, Samuel MC, Wan DT, Reingold AL. (2002). Bacterial isolates from blood in San Francisco County, California, 1996-1999. *Emerging Infectious Diseases*. 2002 Feb; 8(2) 195-201. Available at <https://wwwnc.cdc.gov/eid/article/8/2/pdfs/01-0102.pdf>

Publications: Book Chapters

Kriseman J and **Labus B**. Local and regional public health informatics, chapter in *Public health informatics and information systems*, J.A. Magnuson, P.C. Fu, Jr. (eds.), Springer-Verlag London. 2014. Available at: https://link.springer.com/chapter/10.1007/978-1-4471-4237-9_26

Publications: Government Reports

Labus, B. (2015). Public Health Investigation Report: Community Outbreak of Measles in Clark County, Nevada, January - April 2015. Southern Nevada Health District. October 2015.

Labus B. (2010-2015). Pediatric Early Warning Sentinel Surveillance Weekly Bulletin. Southern Nevada Health District. Available at: <http://www.southernnevadahealthdistrict.org/stats-reports/pewss-archive.php>

Labus, B. (2012). An outbreak of Sapovirus gastroenteritis at 2011 Las Vegas Marathon. Southern Nevada Health District. March 2012. Available at: <http://www.southernnevadahealthdistrict.org/download/stats-reports/rocknroll-marathon-sapovirus-outbreak-final-report.pdf>

Labus, B. (2011) Gastroenteritis Outbreak Among Competitors at the 2011 Rock 'n' Roll Las Vegas Marathon & 1/2 Marathon – Interim Report. Southern Nevada Health District. December 15, 2011. Available at: <https://www.southernnevadahealthdistrict.org/download/epi/2011-LV-Marathon-Outbreak-Interim-Report.pdf>

Labus B. (2009-2010). Influenza Surveillance Weekly Report. Southern Nevada Health District. Available at: <http://www.southernnevadahealthdistrict.org/stats-reports/influenza-archive.php>

Labus B, Armour P, Middaugh J, Rowley P, Sands L, Sizemore J. (2009). Outbreak of Hepatitis C at Outpatient Surgical Centers: Public Health Investigation Report. Las Vegas, Nevada. Southern Nevada Health District. December 2009. Available at: <http://www.southernnevadahealthdistrict.org/download/outbreaks/final-hepc-investigation-report.pdf>

Labus B. (2008). Interim Report on the Endoscope Center of Southern Nevada Hepatitis C Investigation. Southern Nevada Health District. March 28, 2008. Available at: <http://www.southernnevadahealthdistrict.org/download/outbreaks/interim-hepc-investigation-report.pdf>

Labus B. (2005-2006). Influenza Surveillance Bi-Weekly Report. Southern Nevada Health District. Available at: <http://www.southernnevadahealthdistrict.org/stats-reports/influenza-archive.php>

Labus B., Wheeler D. (2005). Unusual Incident Investigation: Hepatitis A Exposure at the Global Gaming Expo. November 2, 2005. Clark County Health District. Las Vegas, Nevada.

Labus B. (2004). Investigation Report: Flamingo Hotel Outbreak, Fall 2004. Clark County Health District. Las Vegas, Nevada.

Labus B. (2004). Investigation Report: California Hotel Outbreak, Winter 2004/Spring 2004. Summer 2004. Clark County Health District. Las Vegas, Nevada.

Labus B. (2003). SARS Tour Group Investigation. February 2003. Clark County Health District. Las Vegas, Nevada.

Labus B. (2002). Investigation Report: Salmonella Poona. June 21, 2002. Clark County Health District. Las Vegas, Nevada.

Labus B. (2010-2015). Pediatric Early Warning Sentinel Surveillance Weekly Bulletin. Southern Nevada Health District. Available at: <http://www.southernnevadahealthdistrict.org/stats-reports/pewss-archive.php>

Labus, B. (2012). An outbreak of Sapovirus gastroenteritis at 2011 Las Vegas Marathon. Southern Nevada Health District. March 2012. Available at: <http://www.southernnevadahealthdistrict.org/download/stats-reports/rocknroll-marathon-sapovirus-outbreak-final-report.pdf>

Labus, B. (2011) Gastroenteritis Outbreak Among Competitors at the 2011 Rock 'n' Roll Las Vegas Marathon & 1/2 Marathon – Interim Report. Southern Nevada Health District. December 15, 2011. Available at: <https://www.southernnevadahealthdistrict.org/download/epi/2011-LV-Marathon-Outbreak-Interim-Report.pdf>

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Labus B., Armour P, Middaugh J, Rowley P, Sands L, Sizemore J. (2009). Outbreak of Hepatitis C at Outpatient Surgical Centers: Public Health Investigation Report. Las Vegas, Nevada. Southern Nevada Health District. December 2009. Available at: <http://www.southernnevadahealthdistrict.org/download/outbreaks/final-hepc-investigation-report.pdf>

Presentations: Conference Presentations

Labus, B., Barber, C. Everybody poops: the basics of wastewater surveillance and how it can provide an unbiased insight into infectious disease transmission in the community. 2023 Nevada Environmental Health Association & Nevada Food Safety Task Force Joint Educational Conference. Las Vegas, NV. 2023.

Bensken W., Lathrop S, Lichtenstein M, Hawkins M, Wong D, **CSTE Travel History Workgroup**. Standardized Travel History Data Collection Across Eight Notifiable Diseases: Results from a Multi-Jurisdictional Pilot. 2016 Council of State and Territorial Epidemiologists Annual Conference. Anchorage, AK. 2016.

Bensken, W., Lathrop S, Lichtenstein M, Hawkins M, Wong D, **CSTE Travel History Workgroup**. Disease Investigators' Attitudes and Practices Regarding Travel History. 2016 Council of State and Territorial Epidemiologists Annual Conference. Anchorage, AK. 2016.

Sadilek A, Kautz H, DiPrete L, **Labus B**, Portman E, Teitel J, Silenzio V. Deploying nEmesis: Preventing Foodborne Illness by Data Mining Social Media Twenty-Eighth Annual Conference on Innovative Applications of Artificial Intelligence. Phoenix, AZ. 2016.

Labus B. Social media as a tool for case and outbreak investigations. 2015 Council of State and Territorial Epidemiologists Annual Conference. Boston, MA. 2015.

Maglievaz R, **Labus B.** Stopping the outbreak! A sanitarian's guide to marathon, triathlon and endurance race events. 2014 National Environmental Health Association Annual Education Conference. 2014.

Labus B. Utilization of social media during a large outbreak of sapovirus-associated gastroenteritis for rapid case finding, specimen collection and investigation 2012 Council of State and Territorial Epidemiologists Annual Conference, Omaha, NE. 2012.

Kriseman J, **Labus B.** Critically assessing the NNDSS enterprise: local, state, and territorial stakeholder perspectives about current surveillance issues, practical solutions, and considerations for the future. 2012 Council of State and Territorial Epidemiologists Annual Conference. Omaha, NE. 2012.

Labus B. Development of open source disease surveillance software. 2011 Council of State and Territorial Epidemiologists Annual Conference. Pittsburgh, PA. 2011.

Labus B. Outbreak of hepatitis related to unsafe injection practices. 2010 Council of State and Territorial Epidemiologists Annual Conference. Portland, OR. 2010.

Labus B. Investigation of an outbreak of hepatitis C at an outpatient surgical center. 2008 Council of State and Territorial Epidemiologists Annual Conference. Denver, CO. 2008.

Zevallos JC, Sands L, **Labus B.** Symptoms for heart attack and stroke among females: Findings from a chief complaint database. 2006 CDC Annual Health Promotion Conference. Atlanta, GA.

Labus B. When bad things happen to good health departments: investigating an outbreak in your own facility. 2005 West Coast Epidemiologists' Meeting. Portland, OR. 2005.

Labus B. What happens in Vegas stays in Vegas? Risk communication during outbreak investigations. West Coast Epidemiologists' Meeting. Lake Tahoe, CA. 2004.

Labus B. Practical applications of syndromic surveillance: dual use strategies for emergency preparedness funding. 2004 American Public Health Association Annual Meeting. Washington, DC. 2004.

Presentations: Invited Oral Presentations (Regional, National and International)

Labus B. The 2008 Hepatitis C Outbreak. Southern Nevada Health District Public Health Disaster Recovery Planning Seminar. Las Vegas, NV. 2023.

Labus B. Air Shows and Public Health in 2022: Assessment and Analysis. 2021 International Conference of Air Shows Annual Conference. Las Vegas, NV, 2021.

Labus B. COVID in Nevada. Gilead - 2021 Post-Vaccination COVID-19 Outlook for the United States MAAP (West). Virtual. 2021.

Labus B. Vaccines, Distancing, Testing: The New Normal of Safety. 2021 Event Trends Conference. Virtual. 2020.

Labus B. How Events Can Happen during the Pandemic. The Future of the Event Industry Conference. 2020

Labus B. Return to Sport. International Association of Lawyers Meeting. Virtual Panel, 2020.

Labus B. Foodborne outbreak investigation: a local perspective. 2019 Foodborne illness outbreak prevention and response conference. Las Vegas, NV, 2019.

Labus B. A large outbreak of hepatitis C at an outpatient surgical center. Ninth Annual Illinois Statewide Conference on Health-Care Associated Infections. Bloomington, IL. 2018.

Labus B. Inside the Deadly Las Vegas Hep C Outbreak. ORExcellence Conference. Las Vegas, NV. 2013.

Labus B. State and Local Informatics Perspective Panel Discussion. 2013 Council of State and Territorial Epidemiologists Annual Conference. Pasadena, CA. 2013.

Labus B. Case studies in improving health: healthcare-associated infections. Centers for Disease Control and Prevention Orientation for New Health Officials. Atlanta, GA. 2010.

Labus B. Local epidemiology. 2010 Council of State and Territorial Epidemiologists Annual Conference. Portland, OR. 2010.

Labus B. Outbreak of hepatitis C related to unsafe injection practices. Western States Osteopathic Medical Conference Las Vegas, NV. 2009.

Labus B. Las Vegas hepatitis C outbreak. Southwest Regional Viral Hepatitis Summit. Las Vegas, NV. 2008.

Labus B. Public health crisis response: mass exposure to hepatitis C due to unsafe injection practices. Hazmat Explo 2008 Las Vegas, NV. 2008.

Labus B. Outbreak of hepatitis C at a medical clinic. Association of Professionals in Infection Control 2008 National Conference. Denver, CO. 2008.

Labus B. Disease after disasters. Western Regional Preparedness Conference. Las Vegas, NV. 2007.

Labus B. Disease surveillance in Southern Nevada. EpiReady Training Course. Las Vegas, NV. 2007.

Labus B. Outbreak investigation in Southern Nevada. Pulsenet Region IX Meeting. Seattle, WA. 2006.

Labus B. Making sense of health-related data during an emergency response. Hazmat Explo. Las Vegas, NV. 2006.

Labus B. Avian influenza. 2006 Western Regional American Association of Physician Assistants Meeting. Las Vegas, NV. 2006.

Labus B. Outbreak investigation. Hazmat Explo. Las Vegas, NV. 2005.

Labus B. Outbreak investigation. American Society for Clinical Laboratory Science Region X Spring Symposium. Laughlin, NV. 2005.

Labus B. Epidemiology and surveillance in tourist populations: what happens in Vegas doesn't always stay in Vegas. Field Epidemiology Basics for Infectious Disease Readiness. UC Berkeley Center for Infectious Disease preparedness. Las Vegas, NV. 2004.

Labus B. Forensic epidemiology. Hazmat Explo. Las Vegas, NV. 2004.

Labus B. Norovirus outbreak at a Las Vegas hotel. Core Infectious Disease Emergency Readiness Summer Institute. Berkeley, CA. 2004.

Labus B. Hepatitis A in Clark County, Nevada. Havrix National Advisory Board Meeting. New York City, NY. 2004.

Gilbertson J, **Labus B.** Bioterrorism panel. Weapons of mass destruction: your role in the community response. Las Vegas, NV. 2002.

Presentations: Invited Oral Presentations (State and Local)

Labus B. Living with COVID, or just giving up? UNLV Science Café. Las Vegas, Nevada, 2022.

Labus B. COVID-19: Where we've been, where we are, and where we are going. Osher Lifelong Learning Institute. Las Vegas, Nevada, 2022.

Labus B., Davidson J. Public Health and Student Services. Las Vegas, NV, 2021.

Labus B. Rebel Recharge: COVID-19: Where Do We Go from Here? Las Vegas, NV. 2021.

Labus B. COVID lessons for a Post-COVID World. Nevada Environmental Health Association Annual Education Conference. Las Vegas, NV. 2021.

Labus B. Trends in coronavirus. Immunize Nevada Monthly Meeting. 2020.

Labus B. Transportation and coronavirus. Association for Learning Environments, Nevada Chapter. Nevada, 2020.

Labus B. Design and coronavirus. Association for Learning Environments, Nevada Chapter. Nevada, 2020.

Labus B. When bad models happen to good data. American Statistical Association, Nevada Chapter. Nevada, 2020.

Labus B. Foodborne Outbreak Investigation: A Local Perspective. Foodborne Illness Outbreak Investigation and Response Conference. Las Vegas, Nevada, 2019.

Labus, B. Introduction to Epidemiology. Southwest compliance and safety training institute. Las Vegas, Nevada. 2019.

Labus, B. How to give a presentation that doesn't suck. Nevada Public Health Association mentorship series. Las Vegas, NV. 2019.

Labus B. Outbreak Investigation: Making the Hard Decisions (and some easy ones). Southern Nevada Health District. Las Vegas, NV. 2019.

Labus B. Hey Alexa, where can I eat and not get food poisoning? The use of new technology to identify foodborne disease and risks in the community. Nevada Environmental Health Association Annual Education Conference. Las Vegas, NV. 2018.

Labus B. A tale of two outbreaks: Local outbreak case studies. Southern Nevada Health District, 2017.

Labus B. Foodborne outbreaks. Association of Professionals in Infection Control, Las Vegas Chapter, 2015 Annual Education Conference. Las Vegas, NV. 2015.

Labus B. Foodborne illness investigation. Nellis Air Force Base. Las Vegas, NV. 2015.

Labus B. Measles in Southern Nevada. Association of Professionals in Infection Control March Chapter Meeting. Las Vegas, NV, 2015.

Labus B. Measles in Southern Nevada. Nevada Public Health Association March Chapter Meeting. Las Vegas, NV, 2015.

Labus B. Measles Update. Immunize Nevada Community Meeting. Las Vegas, NV, 2015.

Labus B. Ebola Outbreak Update. Association of Professionals in Infection Control, Las Vegas Chapter, 2014 Annual Education Conference. Las Vegas, NV. 2014.

Labus B. Overview of Ebola. American Society of Safety Engineers, Las Vegas Chapter meeting. Las Vegas, NV, 2014.

Labus B. Ebola overview. Medical Reserve Corps of Southern Nevada November meeting. Las Vegas, NV, 2014.

Labus B. Ebola overview. American Industrial Hygiene Association Nevada Local Section Meeting. Las Vegas, NV, 2014.

Labus B. The Las Vegas hepatitis C outbreak five years later: What have we learned? Association of Professionals in Infection Control, Las Vegas Chapter, 2013 Annual Education Conference. Las Vegas, NV. 2013.

Labus B. Current infectious disease issues in Southern Nevada. Touro University. Henderson, NV. 2012.

Labus B. Current disease issues in Southern Nevada. Touro University. Henderson, NV. 2011.

Labus B. The legal framework for public health reporting in Nevada. Association of Professionals in Infection Control, Las Vegas Chapter, 2011 Annual Education Conference. Las Vegas, NV. 2011.

Labus B. Foodborne illness investigation. Nellis Air Force Base. Las Vegas, NV. 2011.

Labus B. H1N1: Nevada's response and recovery. 2011 Nevada Environmental Health Association Annual Conference Las Vegas, NV. 2011.

Bruno T, **Labus B**, Nguyen, L, Bergtholdt M. SNHD foodborne disease investigation procedures: past, present and future. 2011 Nevada Environmental Health Association Annual Conference. Las Vegas, NV. 2011.

Labus B. Epidemiology of infectious organisms. Nevada Ambulatory Surgical Center Association Conference. Las Vegas, NV. 2011.

Labus B. Current trends in infectious diseases in Southern Nevada. Touro University. Henderson, NV. 2010.

Labus B. Influenza: 2009 H1N1 influenza. Southwest Medical Association Nurse Managers Meeting. Las Vegas, NV. 2010.

Labus B. 2009 H1N1 influenza. Southern Nevada Immunization Coalition Annual Influenza Meeting Las Vegas, NV. 2010.

Labus B. Outbreak investigation. 2009 Nevada Environmental Health Association Annual Meeting. Las Vegas, NV. 2009.

Labus B. Swine flu. 2009 Nevada Environmental Health Association Annual Meeting. Las Vegas, NV. 2009.

Labus B. Vaccine preventable disease In Southern Nevada. Shots for Tots Provider Meeting. Las Vegas, NV. 2009.

Labus B. Influenza overview. Nevada State Assembly, 75th Session (2009). Health and Human Services Committee. Carson City, NV. 2009.

Guinan M, **Labus B**, Sands L, Sizemore J. Hepatitis C panel discussion. 2008 Nevada Public Health Association Conference. Las Vegas, NV. 2008.

Labus B. Outbreak of Hepatitis C at a medical clinic. Nevada Interim Legislative Committee on Health Care. Las Vegas, NV. 2008.

Labus B. Epidemiology of tuberculosis in Southern Nevada. TB Anywhere Is TB Everywhere – Advances in TB Diagnosis and Management. Las Vegas, NV. 2007.

Labus B. Norovirus response guidelines. American Society of Safety Engineers, Las Vegas Chapter. Las Vegas, NV; 2007.

Labus B. Norovirus response guidelines. Nevada Environmental Health Association Conference. Las Vegas, NV. 2007.

Labus B. Influenza overview. Nevada State Assembly, 74th Session (2007). Ways and Means Committee. Carson City, NV. 2007.

Labus B. Norovirus overview. American Society of Safety Engineers, Las Vegas Chapter. Las Vegas, NV. 2007.

Labus B. Outbreak of *E. coli* related to spinach. Nevada Public Health Association 2006 Conference. Henderson, NV. 2006.

Labus B. Avian influenza. Nevada Public Health Association 2006 Conference. Henderson, NV. 2006.

Labus B. Avian influenza. 2006 Western Regional American Association of Physician Assistants Meeting. Las Vegas, NV. 2006.

Gilbertson J, **Labus B**, Selgestad B. Public health response. University Medical Center Weapons of Mass Destruction and Their Ethical Issues Training. Las Vegas, NV. 2005.

Labus B. Epidemiology and surveillance in tourist populations: what happens in Vegas doesn't always stay in Vegas. Field Epidemiology Basics for Infectious Disease Readiness. Las Vegas, NV. 2004.

Labus B. Forensic epidemiology. Hazmat Explo. Las Vegas, NV. 2004.

Labus B. Outbreak of norovirus at a Las Vegas hotel. Clark County Norovirus Summit. Las Vegas, NV. 2004.

Labus B. Public health epidemiology for law enforcement. Forensic Epidemiology Conference. Las Vegas, NV. 2004.

Presentations: Posters

Ajumobi, O., Verdugo, S.R., **Labus B.**, Reuther, P., Lee, B., Koch, B., Davidson, P. J. & Wagner, K. D (2020). Pre-hospital Opioid Overdose Cases: Day Time Distribution and Accuracy of Using 911 Computer Assisted Dispatch and Patient Clinical Record Variables for Identification of Cases. Poster presented at College on Problems of Drug Dependence virtual conference, USA.

Gakh M, **Labus B**, Walker B. (2017) Requirements to Report Patient Information to Government Entities: A Case Study of Physician Mandatory Reporting Laws. American Public Health Association Annual Conference. Atlanta, GA.

Lucas J, **Labus B**, Cochran C. (2013) Timeliness of disease reporting between electronic and traditional laboratory methods: an evaluation of four gastrointestinal illnesses in Southern Nevada. 2013 Council of State and Territorial Epidemiologists Annual Conference. Pasadena, CA.

Labus B, Savarda S. (2004) Using syndromic surveillance to identify and monitor the 2003-2004 influenza season in Clark County, Nevada. 2004 Council of State and Territorial Epidemiologists Annual Conference. Boise, ID.

Huang S, **Labus B**, Samuel M, Wan D, Reingold A. (2000) Antibiotic Resistance Patterns of Bacterial Isolates from Blood in San Francisco County, 1996-1999. International Conference on Emerging Infectious Diseases. Atlanta, GA.

Popular Press Articles

Labus B. Yes, there is a way out of this pandemic. *Las Vegas Sun*. Opinion column. August 31, 2021. <https://lasvegassun.com/news/2021/aug/31/yes-there-is-a-way-out-of-this-pandemic/>

Labus B. UNLV expert: Where do I stand? Six feet away. *Las Vegas Sun*. Opinion column. August 16, 2020. <https://lasvegassun.com/news/2020/aug/16/where-do-i-stand-six-feet-away/>

Labus B., Barber C, Gerstenberger, S. How do we protect ourselves at home during coronavirus, and what if someone has been exposed? 4 questions answered. *The Conversation*. March 23, 2020. <https://theconversation.com/how-do-we-protect-ourselves-at-home-during-coronavirus-and-what-if-someone-has-been-exposed-4-questions-answered-133992>

Benning S, **Labus B**, Barchard K. How to stop touching your face to minimize spread of coronavirus and other germs. *The Conversation*. March 19, 2020. <https://theconversation.com/how-to-stop-touching-your-face-to-minimize-spread-of-coronavirus-and-other-germs-133683>

Labus B. If I get sick with coronavirus, can Donald Trump make me stay home? *The Conversation*. March 10, 2020. <https://theconversation.com/if-i-get-sick-with-coronavirus-can-donald-trump-make-me-stay-home-133047>

Labus B. Love in the time of the coronavirus: Do you turn your back when someone offers you a hand, a kiss or a hug? *The Conversation*. March 6, 2020. <https://theconversation.com/love-in-the-time-of-the-coronavirus-do-you-turn-your-back-when-someone-offers-you-a-hand-a-kiss-or-a-hug-133037>

Labus B. What really works to keep coronavirus away? 4 questions answered by a public health professional. *The Conversation*. March 4, 2020. <https://theconversation.com/what-really-works-to-keep-coronavirus-away-4-questions-answered-by-a-public-health-professional-132959>

Labus B. Is the coronavirus a pandemic, and does that matter? 4 questions answered. *The Conversation*. February 5, 2020. Available at <https://theconversation.com/is-the-coronavirus-a-pandemic-and-does-that-matter-4-questions-answered-131128>

Labus B. Why are people still dying from Legionnaires' disease? *The Conversation*. August 16, 2019. Available at <https://theconversation.com/why-are-people-still-dying-from-legionnaires-disease-121862>

Labus B. Yes, flesh-eating bacteria are in the warm coastal waters – but it doesn't mean you'll get sick. *The Conversation*. July 31, 2019. <https://theconversation.com/yes-flesh-eating-bacteria-are-in-the-warm-coastal-waters-but-it-doesnt-mean-youll-get-sick-121081>

Media Appearances

Regularly interviewed for print, television, and radio in Southern Nevada on infectious disease topics. Since January 2020, over 1,200 media appearances in local, national, and international outlets, including the *New York Times*, *Washington Post*, *CNN*, *Forbes*, and *National Public Radio*. A full list of interviews with links to the publications can be found at:

<https://docs.google.com/spreadsheets/d/1eaRmqxQeNI2aW39HUCbDmh0hAGAkJ9kQr1adXIMtqAA/edit?usp=sharing>

Teaching Experience

University of Nevada, Las Vegas, School of Public Health – Tenure-Track Faculty

2024 Spring	EAB 725: Epidemiology of Infectious Diseases (Graduate Enrollment: 13)
2023 Fall	EAB 735: Outbreak Investigation (Graduate Enrollment: 5) EAB 756: Epidemiologic Methods II (Graduate Enrollment: 14)
2022 Summer	EMHA 702: Managerial Epidemiology (Graduate Enrollment: 6)
2023 Spring	EAB 725: Epidemiology of Infectious Diseases (Graduate Enrollment: 14) EOH 790: Doctoral Seminar – Guest Lecture
2022 Fall	EAB 735: Outbreak Investigation (Graduate Enrollment: 5) EAB 756: Epidemiologic Methods II (Graduate Enrollment: 8)
2022 Summer	EMHA 702: Managerial Epidemiology (Graduate Enrollment: 8)
2022 Spring	EAB 725: Epidemiology of Infectious Diseases (Graduate Enrollment: 5) NURS 350: Principles of Nursing Research – Guest Lecture EOH 790: Doctoral Seminar – Guest Lecture
2021 Fall	EAB 735: Outbreak Investigation (Graduate Enrollment: 12) EAB 756: Epidemiologic Methods II (Graduate Enrollment: 5) EOH 790: Doctoral Seminar – Guest Lecture
2021 Summer	EMHA 702: Managerial Epidemiology (Graduate Enrollment: 6)
2021 Spring	EAB 725: Epidemiology of Infectious Diseases (Graduate Enrollment: 19) EOH 790: Doctoral Seminar – Guest Lecture PBH 490: Undergraduate Precapstone Course – Guest Lecture
2020 Fall	EAB 735: Outbreak Investigation (Graduate Enrollment: 9) EOH 793: Internship in Public Health (Graduate Enrollment: 6) EAB 756: Epidemiologic Methods II (Graduate Enrollment: 13) EOH 790: Doctoral Seminar – Guest Lecture PBH 490: Undergraduate Precapstone Course – Guest Lecture
2020 Summer	EMHA 702: Managerial Epidemiology (Graduate Enrollment: 9) EOH 793: Internship in Public Health (Graduate Enrollment: 4)
2020 Spring	EAB 725: Epidemiology of Infectious Diseases (Graduate Enrollment: 8) EOH 793: Internship in Public Health (Graduate Enrollment: 6) HCA 799: Capstone – Guest Lecture EOH 790: Doctoral Seminar – Guest Lecture
2019 Fall	EAB 735: Outbreak Investigation (Graduate Enrollment: 9) EOH 793: Internship in Public Health (Graduate Enrollment: 2) EAB 756: Epidemiologic Methods II (Graduate Enrollment: 10)
2019 Summer	EMHA 702: Managerial Epidemiology (Graduate Enrollment: 11) EOH 793: Internship in Public Health (Graduate Enrollment: 6)
2019 Spring	PBH 205: Introduction to Public Health (Undergraduate Enrollment: 6) EAB 705/HCA 702: Epidemiology and Public Health (Graduate Enrollment: 10) EAB 725: Epidemiology of Infectious Diseases (Graduate Enrollment: 11) HCA 799: Capstone – Guest Lecture EOH 790: Doctoral Seminar – Guest Lecture
2018 Fall	EOH 793: Internship in Public Health (Graduate Enrollment: 6) EAB 756: Epidemiologic Methods II (Graduate Enrollment: 10) PBH 205: Introduction to Public Health – Guest Lectures

University of Nevada, Las Vegas, School of Public Health – Visiting Faculty

2018 Summer	EMHA 702: Managerial Epidemiology (Graduate Enrollment: 14) EOH 793: Internship in Public Health (Graduate Enrollment: 5) PBH 205: Introduction to Public Health (Undergraduate Enrollment: 6)
2018 Spring	EOH 793: Internship in Public Health (Graduate Enrollment: 2) PBH 205: Introduction to Public Health (Undergraduate Enrollment: 25)

	PBH 205: Introduction to Public Health (Undergraduate Enrollment: 25)
	PBH 205: Introduction to Public Health (Undergraduate Enrollment: 25)
	PBH 202: Introduction to Epidemiology – Guest Lectures
2017 Fall	EAB 735: Outbreak Investigation (Graduate Enrollment: 10)
	EOH 717: Food Safety (Graduate Enrollment: 3)
	EOH 793: Internship in Public Health (Graduate Enrollment: 11)
	PBH 205: Introduction to Public Health (Undergraduate Enrollment: 25)
	EOH 713/LAW 790: Public Health Law – Guest Lecture
	NURS 350: Population Focused Nursing in the Community – Guest Lecture
2017 Summer	EMHA 702: Managerial Epidemiology (Graduate Enrollment: 6)
	EOH 793: Internship in Public Health (Graduate Enrollment: 4)
2017 Spring	EAB 725: Epidemiology of Infectious Diseases (Graduate Enrollment: 9)
	EOH 793: Internship in Public Health (Graduate Enrollment: 4)
	PBH 205: Introduction to Public Health – Guest Lectures
2016 Fall	EOH 793: Internship in Public Health (Graduate Enrollment: 5)
	PBH 205: Introduction to Public Health – Guest Lecture
	NURS 350: Population Focused Nursing in the Community – Guest Lecture
	BIOL 251: Microbiology – Guest Lecture
2016 Summer	PBH 205: Introduction to Public Health (Undergraduate Enrollment: 7)
	INBRE Biostatistics Bootcamp for UNR School of Medicine (Resident Enrollment: 40)
2016 Spring	EAB 725: Epidemiology of Infectious Diseases (Graduate Enrollment: 15)
	EAB 725: Epidemiology of Infectious Diseases (Graduate Enrollment: 9)
	NURS 350: Population Focused Nursing in the Community - Guest lecture

University of Nevada, Las Vegas, School of Public Health – Adjunct Instructor

2015 Spring	EAB 735: Outbreak Investigation (Graduate Enrollment: 9)
2014 Summer	EAB 725: Epidemiology of Infectious Diseases (Graduate Enrollment: 11)
2012 Summer	EAB 725: Epidemiology of Infectious Diseases (Graduate Enrollment: 9)
2012 Spring	EAB 725: Epidemiology of Infectious Diseases (Graduate Enrollment: 10)
2011 Summer	EAB 725: Epidemiology of Infectious Diseases (Graduate Enrollment: 10)
2011 Spring	EAB 725: Epidemiology of Infectious Diseases (Graduate Enrollment: 9)
2010 Spring	EAB 725: Epidemiology of Infectious Diseases (Graduate Enrollment: 14)
2009 Spring	EAB 725: Epidemiology of Infectious Diseases (Graduate Enrollment: 12)
2007 Fall	EAB 745: Disease Surveillance (Graduate Enrollment: 10)
2007 Spring	EAB 725: Epidemiology of Infectious Diseases (Graduate Enrollment: 11)
2006 Spring	EAB 725: Epidemiology of Infectious Diseases (Graduate Enrollment: 12)

Touro University Nevada, Nursing Doctorate Program – Adjunct Instructor

2011 Spring	NURS 704: Introduction to Epidemiology (Graduate Enrollment: 4)
2010 Spring	NURS 704: Introduction to Epidemiology (Graduate Enrollment: 5)
2009 Fall	NURS 704: Introduction to Epidemiology (Graduate Enrollment: 5)

Touro University Nevada, Physician Assistant Program – Adjunct Instructor

2005 Fall	PA 683: Introduction to Epidemiology (Graduate Enrollment: 42)
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College of Southern Nevada, School of Nursing – Adjunct Instructor

2004 Fall	NUR 198B: Terrorism Preparedness for Health Professionals (Undergraduate Enrollment: 8)
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University of California, Berkeley, School of Public Health – Graduate Student Instructor

1999 Fall	PBH 250A: Epidemiologic Methods I (Graduate Enrollment: 72)
1999 Summer	PBH 250A: Epidemiologic Methods I (Graduate Enrollment: 15)

Student Mentorship

- 2023 Kristin Childress, MPH Committee Member
 Bradon Bucher, MPH Committee Chair
 Katelyn Faulk, MPH Committee Chair
 Md Abdul M Faysal, PhD (Computer Science) Committee Graduate College Representative
 Edom Gelaw, MPH Committee Chair
 Chris Mariano, DNP (Nursing) Committee Graduate College Representative
 Samantha Morales, MPH Committee Chair
 Leigh Ann Richardson, PhD (Public Health) Committee Member
- 2022 **Brooke Conway, PhD (Public Health) Committee Chair - Fall 2022 UNLV Outstanding Graduate**
 Michael Zhang, MPH Committee Chair
 Mona Lisa Paulo, MPH Committee Member
 Elijah Kreutzer, MPH Committee Co-Chair
 Nicolette Harmon, MPH Committee Chair
 Tara Nerida, PhD (Public Health) Committee Member
- 2021 **Kristina Mihajlovski, MPH Committee Member - Fall 2021 UNLV Outstanding Graduate**
 Tory Rich, MPH Committee Member
 Liz Kahane, MPH Committee Member
- 2020 Briana King, MPH Committee Chair
 Karen Gutierrez, MPH Committee Member
- 2019 Mehret Girmay, MPH Committee Chair
 Julia Anderson, PhD (Public Health) Committee Member
 James Park, MPH Committee Member
 Jenna Webb, MPH Committee Member
 Karen Callahan, PhD (Public Health) Committee Member
- 2018 Kelsi Sullivan, MPH Committee Member
 Alexis York, MPH Committee Co-Chair
 David Rivas, MPH Committee Member
- 2017 Vimala Ganta, MPH Committee Member
 Senae El Ibrahimy, PhD (Public Health) Committee Member
 Lauren DiPrete, MPH Committee Co-Chair
 Sfurti Maheshwari, MPH Committee Member
- 2016 Kara Cronkhite, MPH Committee Co-Chair
 Raina Rappel, MPH Committee Member
 Kim Anichowski, MPH Committee Member
- 2013 Mora Kim, MPH Committee Member
 Valerie Cohen, MPH Committee Member
- 2012 Jennifer Lucas, MPH Committee Member
 Michelle Lutman, MPH Committee Member
- 2011 Kindra St. Jacques, MPH Committee Member
- 2006 Chad Adams, MPH Committee Member

Professional Memberships and Activities

2023-present **Association of Professionals in Infection Control**
 Member

2002-present **Council of State and Territorial Epidemiologists**

State Reportable Conditions Assessment, Team Lead, 2009-2015

Liaison to the National Association of City and County Health Officials, 2011-2015

Reportable Condition Knowledge Management System Workgroup, Healthcare-Vendor

Partner Subgroup Team Lead, 2012-2014

Annual Conference Planning Committee, 2013-2015
Travel History Workgroup, 2012-2015
Surveillance/Informatics Steering Committee, 2005-2015
Surveillance Practice and Implementation Subcommittee, 2005-2015
Electronic Laboratory Reporting Workgroup, 2013-2015

- 2011-present **National Environmental Health Association**
Member
- 2018-present **Nevada Public Health Association, Member**
Student Mentor
- 2017-present **Delta Omega National Public Health Honor Society, Theta Chapter**
Member
- 2017 **Nevada Medical Marijuana Advertising Guidelines Workgroup**
Member
- 2013-2015 **City and Large Urban Area Epidemiologists (CLUE) Workgroup**
Member
- 2012-2015 **National Association of City and County Health Officials**
Epidemiology Workgroup
- 2012-2014 **Nevada Health Information Exchange Board of Directors**
Chair, 2013-2014
Treasurer, 2012-2013
- 2008-2010 **Hepatitis C Outbreak Multiagency Task Force**
Member
- 2006-2007 **Center for Disease Control and Prevention Public Health Information Network: Analysis, Visualization, and Reporting User's Group**
Member
- 2004-2005 **American Public Health Association**
Member

Awards and Honors

- 2022 COVID-19 Incident Management Team Hero Award
University of Nevada, Las Vegas
- 2021 Public Health Program of the Year (UNLV Contact Tracing Team)
Nevada Public Health Association
- 2021 Alumnus of the Year
University of Nevada, Las Vegas, School of Public Health
- 2021 Outstanding Service Award
Department of Epidemiology and Biostatistics, UNLV School of Public Health
- 2021 COVID-19 Top Tier Award
University of Nevada, Las Vegas
- 2020 Public Health Leadership Award
Nevada Public Health Association
- 2020 Outstanding Service Award
Department of Environmental and Occupational Health, UNLV School of Public Health

2018	Outstanding Teaching Award Department of Environmental and Occupational Health, UNLV School of Public Health
2017, 2018, 2019, 2020, 2021, 2022, 2023	Outstanding Faculty Award UNLV School of Public Health Student Association
2011	Charles C. Shepard Science Award Nominee for scientific publication Centers for Disease Control and Prevention
2008	Public Health Program of the Year (Southern Nevada Health District Office of Epidemiology) Nevada Public Health Association
2000	Outstanding Graduate Student Instructor University of California, Berkeley, School of Public Health
1993-1997	Thomas J. Watson Scholar, IBM
1993	National Merit Finalist

Funding

2024	Nevada Division of Public and Behavioral Health. Labus B , Principal Investigator. \$2,000,000. Epidemiologic workforce development for the State of Nevada.
2023	Nevada Division of Public and Behavioral Health. Labus B , Principal Investigator. \$1,200,000. Epidemiology of healthcare associated infections in Nevada
2022	University of Nevada, Las Vegas. Labus B . Principal Investigator. \$200,000. Conduct COVID-19 case surveillance for campus.
2021	Southern Nevada Health District. Labus B , Principal Investigator. \$1,721,491. Conduct COVID-19 disease investigation and contact tracing.
2020-2021	Nevada Division of Public and Behavioral Health. Labus B , Principal Investigator. \$3,425,252. Conduct COVID-19 disease investigation, contact tracing and various COVID investigations.
2020	Nevada Division of Public and Behavioral Health. Labus B , Principal Investigator. \$80,000. Perform an epidemiologic analysis of congenital syphilis in Nevada. Review congenital syphilis cases and convene an expert review panel to identify intervention opportunities.
2015-2016	NV INBRE/NIH. Labus B , Principal Investigator. \$75,000 Use of social media to identify restaurants at greater risk of causing foodborne illness.
2015-2020	Centers for Disease Control and Prevention. Lockett C, Principal Investigator; Labus B , Epidemiologist. \$962,500 1U01EH001301-01: Incorporating social media monitoring software into health department foodborne illness surveillance and response. Member of the Southern Nevada Health District team that wrote the successful application for the agency and was listed as the project epidemiologist.