

Nicolás I. López-Gálvez, PhD, MPH, MA

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EDUCATION

The University of Arizona PhD, Environmental Health Sciences <i>Dissertation: Characterizing Occupational Risk Factors and Kidney Function in Migrant Farm Workers</i>	2020
San Diego State University MPH, Environmental Health Sciences MA, Latin American Studies	2014 2014
University of California, Los Angeles BS, Ecology and Evolutionary Biology	2009

ACADEMIC & PROFESSIONAL APPOINTMENTS

Assistant Professor School of Public Health San Diego State University - San Diego, CA	2022 – Present
Adjunct Assistant Professor Mel and Enid Zuckerman College of Public Health The University of Arizona - Tucson, AZ.	2022 – Present
Adjunct Assistant Professor School of Public Health San Diego State University - San Diego, CA	2021 – 2022
Program Coordinator Third Hand Smoke Research Consortium - Measurement and Evaluation Research Group San Diego State University Research Foundation - San Diego CA ▪ <i>Manage and coordinate multiple research projects related to thirdhand smoke exposure in minority low-income neighborhoods</i> ▪ <i>Design research studies and write grant proposals</i> ▪ <i>Prepare proposals, manuscripts, and official reports.</i>	2019 – 2022
Research Scientist Mel and Enid Zuckerman College of Public Health The University of Arizona - Tucson, AZ. <i>Responsible for research design, grant writing and develop environmental sampling tools</i> ▪ <i>Trained students and community health workers to conduct environmental and occupational health audits in rural and urban areas</i> ▪ <i>Developed interventions to reduce exposure to volatile organic compounds that are known to be carcinogens</i> ▪ <i>Prepared report of results to the community and develop risk communication tools.</i>	2017 –2019

Graduate Student Researcher **2015 - 2017**
Southwest Environmental Health Sciences Center - Mel and Enid Zuckerman College of Public Health
The University of Arizona - Tucson, AZ.
▪ Assisted with the evaluation of traffic air pollutants in city of Tucson, AZ ▪ Managed the environmental sampling and data collection of a microbiome-asthma related study among Latinx residing near the US-Mexico border

Graduate Teacher Assistant **2015 - 2016**
Mel and Enid Zuckerman College of Public Health
The University of Arizona - Tucson, AZ.
▪ Assisted with the development, organization and grading of the required laboratory course *Applied Exposure Assessment* ▪ Trained students on how to use and maintain environmental sampling equipment ▪ Assisted students on development of their field work assessment projects.

Graduate Research Associate - NIH Doctoral Fellow **2014 - 2015**
Initiative for Maximizing Student Development (IMSD)
The University of Arizona – Tucson, AZ
▪ Managed the analyses of dataset to determine an association of smoke from traditional cook-stoves and malaria risk in Kenya, Africa ▪ Literature review, grant writing, and manuscript development

Graduate Research Assistant **2011 - 2014**
School of Public Health
San Diego State University - San Diego, CA
▪ Collected and prepared samples to analyze for organic pollutants (e.g. persistent organic pollutants, disinfection byproducts) known to be carcinogenic in water, soil and biological samples ▪ Evaluated soil samples collected from the U.S and Mexican sides of the Tijuana estuary to analyze for organic contaminants and heavy metal carcinogens affecting the border community.

Research Assistant II **2011 - 2012**
IPH (Institute of Public Health)
San Diego State Research Foundation - San Diego, CA
▪ Collected data from clinics using questionnaires to help promote knowledge in an underserved Latinx community about the importance of vaccination in children as public health prevention by implementing text phone communication reminders

PUBLICATIONS

1. **López-Gálvez, N.**, Claude, J., Wong, P., Canales, RA., Bradman, A., Hyland, C., Castorina, R., Leckie, J., Beamer, P. (2022). Quantification and Analysis of Micro-Level Activities Data from Children Aged 1–12 Years Old for Use in the Assessments of Exposure to Recycled Tire on Turf and Playgrounds. *International Journal of Hygiene and Environmental Health*, 19(4):2483. <https://doi.org/10.3390/ijerph19042483>
2. Mahabee-Gittens M, Merianos A, Stone L, Wullenweber C, Quintana P, Hoh E, Dodder N, **Lopez-Galvez N**, Matt GE. (2022). Hand Nicotine as an Independent Marker of Thirdhand Smoke Pollution in Children’s Environments. *Science of the Total Environment*. <https://doi.org/10.1016/j.scitotenv.2022.157914>.
3. Lothrop, N., **Lopez-Galvez, N.**, Canales, R. A., O’Rourke, M. K., Guerra, S., & Beamer, P. (2022). Sampling Low Air Pollution Concentrations at a Neighborhood Scale in a Desert US Metropolis with Volatile Weather Patterns. *International Journal of Environmental Research and Public Health*, 19(6), 3173. <https://doi.org/10.3390/ijerph19063173>

4. **López-Gálvez, N.**, Wagoner, R., Canales, R. A., Ernst, K., Burgess, de Zapien, J., ... & Beamer, P. (2021). Longitudinal assessment of kidney function in migrant farm workers. *Environmental Research*, 111686. <https://doi.org/10.1016/j.envres.2021.111686>
5. Hamzai, L., **López-Gálvez, N.**, Hoh, E., Dodder, N. G., Matt, G. E., & Quintana, P. J. (2021). A systematic review of the use of silicone wristbands for environmental exposure assessment, with a focus on polycyclic aromatic hydrocarbons (PAHs). *Journal of Exposure Science & Environmental Epidemiology*, 1-15. <https://doi.org/10.1038/s41370-021-00359-9>
6. Ishida, K., Luna, R., Richardot, W., **López-Gálvez, N.**, Plumlee, M., Dodder, N., Hoh., E. (2021). Nontargeted Analysis of Trace Organic Constituents in Reverse Osmosis and UV-AOP Product Waters of a Potable Reuse Facility. *ACS ES&T Water*. <https://doi.org/10.1021/acsestwater.1c00265>.
7. Aceves, B., **López-Gálvez, N.**, Rangel, G. et al. Virtual Seminar on Coronavirus 2019 for the US-Mexico Border Region: Building Opportunities for Communication and Collaboration. *J Immigrant Minority Health* (2021). <https://doi.org/10.1007/s10903-021-01190-y>
8. Ingram, M., Wolf, A. M. A., **López-Gálvez, N. I.**, Griffin, S. C., & Beamer, P. I. (2021). Proposing a social ecological approach to address disparities in occupational exposures and health for low-wage and minority workers employed in small businesses. *Journal of Exposure Science & Environmental Epidemiology*, 1-8. <https://doi.org/10.1038/s41370-021-00317-5>
9. Mahabee-Gittens, M., Quintana, P., Hoh, E., Merianos, A., Stone, L., **López-Gálvez, N.**, Matt, M. (2021). Collecting Hand Wipe Samples to Assess Thirdhand Smoke Exposure Among Pediatric Patients in the Clinical Setting. *Frontiers in public health*. <https://doi.org/10.3389/fpubh.2021.770505>
10. **López-Gálvez, N.**, Wagoner, R., Canales, R. A., de Zapien, J., Calafat, A. M., Ospina, M., . . . Beamer, P. (2020). Evaluating imidacloprid exposure among grape field male workers using biological and environmental assessment tools: An exploratory study. *International Journal of Hygiene and Environmental Health*, 230, 113625. <https://doi.org/10.1016/j.ijheh.2020.113625>
11. Quintana, P. J., **López-Gálvez, N.**, Dodder, N. G., Hoh, E., Matt, G. E., Zakarian, J. M., ... & Anderson, K. A. (2020). Nicotine, Cotinine, and Tobacco-Specific Nitrosamines Measured in Children's Silicone Wristbands in Relation to Secondhand Smoke and E-cigarette Vapor Exposure. *Nicotine & Tobacco Research*. <https://doi.org/10.1093/ntr/ntaa140>
12. Wagoner, R. S., **López-Gálvez, N. I.**, de Zapien, J. G., Griffin, S. C., Canales, R. A., & Beamer, P. I. (2020). An occupational heat stress and hydration assessment of agricultural workers in North Mexico. *International journal of environmental research and public health*, 17(6), 2102. <https://doi.org/10.3390/ijerph17062102>
13. **López-Gálvez, N.**, Wagoner, R., Quirós-Alcalá, L., Ornelas Van Horne, Y., Furlong, M., Avila, E. G., & Beamer, P. (2019). Systematic Literature Review of the Take-Home Route of Pesticide Exposure via Biomonitoring and Environmental Monitoring. *International journal of environmental research and public health*, 16(12), 2177. <https://doi.org/10.3390/ijerph16122177>

14. Madera-García, V., Mraz, A.L., **López-Gálvez, N.**, Weir, M.H., Werner, J., Beamer, P, Verhougstraete, M.P. (2019) *Legionella pneumophila* as a Health Hazard to Miners: A Pilot Study of Water Quality and QMRA. *Water*, 11, 1528. doi: <https://doi.org/10.3390/w11081528>
15. **López-Gálvez, N**, Wagoner, R., Beamer, P., De Zapien, J., Rosales, C. (2018). Migrant Farmworkers' Exposure to Pesticides in Sonora, Mexico. *International journal of environmental research and public health*, 15, 2651. <https://doi.org/10.3390/ijerph15122651>.
16. **López-Gálvez, N.**, Wagoner, R., Quiros-Alcala, L., Ornelas Van Horne, Y., Furlong, M., Avila, E., & Beamer, P. (2018). Take-Home Route of Pesticide Exposure. In *Earth Systems and Environmental Sciences*. doi: <https://doi.org/10.1016/B978-0-12-409548-9.11052-8>

Manuscripts Under Review | In Preparation:

1. Lothrop, N., Nathan Sandoval, F., Cortez, I., Wagoner, R., **López-Gálvez, N.**, Parra, K., Wolf, A., Werheim, B., Quijada, C., Lee, A., Griffin, S., Bell, M., Carvajal, S., Ingram, M., Beamer, P (Under Review). Studying Full-Shift, Inhaled VOC Exposures among Latinx Workers in Very Small Businesses. *PLOS ONE*.
2. **López-Gálvez, N**, Wagoner, R., Canales, R., De Zapien, J., Rosales, C., Ernst, K., Burgess, J., Beamer, P. (In preparation). Evaluation of heat stress and hydration levels in farm workers during harvest season.
3. **López-Gálvez, N**, Wagoner, R., Canales, R., De Zapien, J., Rosales, C., Ernst, K., Burgess, J., Beamer, P. (In preparation). Comparison of cholinesterase levels in farmworkers in an organic vs conventional field during grape harvesting season.
4. **López-Gálvez, N.**, Canales, R., Wong, P., Claude, J., Bradman, A., Hyland, C., Castorina, R., Leckie, J., Beamer, P. (In preparation). Quantification of Micro-level Activities from Recorded Data of Children Playing Soccer on Artificial Turf.
5. **López-Gálvez, N.**, Wagoner, R., Beamer, P., Canales, R. (In preparation). Comparing Micro-Level Activity Data Collection Methodologies.
6. **López-Gálvez, N.**, Ernst, K., Bell, M., Beamer, P. (In preparation). Understanding the Association Between Cook-Stoves Usage and Mosquito Density in Kenyan Households.
7. **López-Gálvez, N**, Wagoner, R., Beamer, P., Canales, R. (In preparation). Using Random Forest and Machine Learning Methods to Assess Occupational Factors Related to Pesticides Exposure in Agricultural Workers.
8. Quintana, P., Dodder, N., Hoh, E., Matt, G., Azurre, L., **López-Gálvez, N.**, Richardot, W. (In preparation). Oxygenated and methylated derivatives of polycyclic aromatic hydrocarbons (PAHs) in house dust in relation to tobacco smoking in the home.
9. Wagoner, R., Cabrera, D., Benally, K., Lopez, G., **López-Gálvez, N.**, Diaz, D. (In preparation). Assessing Exposure of Dairy Milking Parlor Workers in the Southwest U.S. to E.Coli O157:H7 and Salmonella.

Technical Reports:

1. Beamer, P.I., **López-Gálvez, N.** (2018). "Part I. Quantification of Micro-level Activities from a Preexisting Dataset of Children Playing on Turf/Playgrounds." Submitted to California Office of Environmental Health Hazard Assessment.
2. Beamer, P.I., **López-Gálvez, N.** (2018). "Part II. Quantification of Micro-level Activities from Recorded Data of Children Playing Soccer on Artificial Turf." Submitted to California Office of Environmental Health Hazard Assessment.
3. Wagoner, R., **López-Gálvez, N.**, Valdez., L. (2016) "Are Laws Enough? A look into the protection of Mexico's Farm Workers". The Arizona Journal of Environmental Law & Policy. Published electronic article developed to promote improvement of the living and working conditions of migrant farm workers in Mexico/ U.S.

PEER REVIEWED CONFERENCE PRESENTATIONS

1. Hoh, E., Richardot, W., Ghukasyan, T., Hamzai, L., Dodder, N., Quintana, J., Matt, G., **López-Gálvez, N.** Identification of Novel Thirdhand Smoke Chemical Constituents in Settled House Dust Using a Nontargeted Analysis. International Society of Exposure Science (ISES) conference (2021).
2. Quintana, J., **López-Gálvez, N.**, Dodder, N., Hoh, E., Richardot, W., Matt, G., Zakarian, J., Viyas, M., Chu, L., Akins., B., Anderson., K., Hovell., M. Silicone wristbands worn by children exposed to secondhand tobacco smoke and e-cigarette vapor record multiple pollutants, including tobacco-specific carcinogens. International Society of Exposure Science (ISES) conference (2020).
3. Wagoner, R., **López-Gálvez, N.**, Pyai So Nef, T., Diaz-Combs, C., Pearce-Walker, J., Cifuentes, L., Emrick, G., Vergougstraete., M. Addressing Water Quality Alongside Community Health Workers in a Farm Worker Community. International Society for Environmental Epidemiology (2020).
4. **López-Gálvez, N.**, Wagoner, R., Canales, R., & Beamer, P. Characterizing Environmental and Occupational Exposures Associated to Kidney Function among Migrant Farm workers in Mexico: A Study Protocol. Environmental Epidemiology, 3, 250. International Society for Environmental Epidemiology (2019).
5. **López-Gálvez, N.**, Wagoner, R., De Zapien, J., Rosales, C., Beamer, P. Imidacloprid Exposure in Grape Workers. Presented in Lithuania at the International Society of Exposure Science (ISES) conference (2019).
6. **López-Gálvez, N.**, Wagoner, R., de Zapien, J., and P. Beamer. "Occupational Health of Grape-Workers in Sonora" Presented at the Border Health Information for Action meeting in Nogales, Sonora (2019).

7. Wagoner, R. and **López-Gálvez, N.** “Environmental and Occupational Assessments-Migrant Farm Workers in Northern Mexico.” Presented at the Northern Arizona University Climate 2020 Human Health Costs Panel in Flagstaff, Arizona (2019).
8. Madera-Garcia, V., Mraz, A., **López-Gálvez, N.**, Weir, M., Werner, J., Beamer, P., Verhougstraete, M. (2018). Legionella is a Miner Issue. Poster presented at the Society for Advancement of Chicanos/Hispanics and Native Americans in Science (2018).
9. **López-Gálvez, N.**, Canales, R., Wong, P., Barker, C., Bradman, A., Leckie, J., Beamer, P. Quantified Micro-Level Activity Data for Children Playing Turf and Playgrounds. Poster presented at the International Society of Environmental Epidemiology and the International Society of Exposure Science conference (ISEE - ISES) (2018).
10. Lothrop, N., **López-Gálvez, N. I.**, Brown, H., Guerra, S., O'Rourke, M. K., & Beamer, P. Escape to America: Adapting European Study for Cohorts for Air Pollution Effects (ESCAPE) Methods to the Desert Southwestern US. In ISEE Conference Abstracts (Vol. 2018, No. 1).
11. **López-Gálvez, N.**, Wagoner, R., De Zapien, J., Ospina, M., Calafat, A., Beamer, P. Pilot Study on Pesticide Exposure in Migrant Farm Workers of Sonora, Mexico. Oral and poster presentation at the International Society of Exposure Science (ISES), Best research honorary award (2017).
12. Wagoner, R., **López-Gálvez, N.**, Beamer, P., De Zapien, J., Rosales, C., Canales, R., Ortega, I., and P. Aranda. “Heat and Hydration Assessment of Migrant Grape-Workers in Sonora, Mexico.” Presented at the International Society of Exposure Science conference in Raleigh, North Carolina (2017).
13. **López-Gálvez, N.** (2016) Understanding the Exposure to Agrochemicals Used in Banana Plantations in Rural Communities of Southern Ecuador. Pre-exposure assessment using several semi-structured interviews, and health data was collected. Results presented at 11th Annual TINKER Symposium, Center for Latin American Studies.
14. **López-Gálvez, N.**, Wagoner, R., De Zapien, J., Ospina, M., Calafat, A., Beamer, P. Exposure to Heat and Pesticides in Migrant Grape-Workers of Mexico. Poster presented at the Southern California Research Center in UCLA (2016).
15. Wagoner, R., **López-Gálvez, N.**, De Zapien, J., Beamer, P. Assessing the Living Conditions of Farm Workers in Hermosillo-Mexico. Poster presented in the "2015 Environmental Grad Blitz" at the University of Arizona (2015).
16. **López-Gálvez, N.**, Hoh, E., Al-Delaimy, W., Pezzoli, K. Detection and Analysis of Organic Soil Pollutants in the U.S-Mexico Border. Air and Waste Management Association (AWMA) - Awarded as the best scientific poster (2015).
17. **López-Gálvez, N.**, Hoh, E., Al-Delaimy, W., Pezzoli, K. Soil Contamination of Heavy Metals in the U.S-Mexico border due to the Illegal dumping of Solid Waste. Scientific Poster presented on the Certified Unified Program Agencies (CUPA) conference in Irvine, CA. Awarded best graduate student scientific research poster (2013).

GRANTS & CONTRACTS

NCCRAHS Emerging Issue Programs (NIOSH Pilot Study), FY 2022

Environmental Health Issues Among Children Living in Imperial County

National Children's Center for Rural and Agricultural Health and Safety (NCCRAHS) U54OH00968-12

Role: Principal Investigator

Amount: \$25,000

Tobacco-Related Disease Research Program (TRDRP) T31IR1568, FY 2022/2025

Title: Silicone wristbands to measure secondhand exposure to tobacco, e-cigarettes and cannabis

Role: Co-Investigator (PI: Quintana)

Amount: \$1,349,342

Agricola Alta Pozo Manuel, S.A. de C.V. (Industry), FY 2019/2022

Evaluation of Occupational Health in Agriculture.

Role: Principal Investigator

Amount: \$189,033

TRDRP 28PT-0079, FY 2018/2022

Title: Reducing Exposure to Thirdhand Smoke in Multiunit Housing

Role: Co-Investigator (PI: Quintana)

Amount: \$1,119,720

NIH R01ES030743-01, FY 2019/2022

Title: Prevalence and Clinical Correlates of Thirdhand Smoke Exposure in a Pediatric Patient Population

Role: Project Coordinator (PI: Matt)

Amount: \$234,623

California Tobacco-Related Disease Research Program (TRDRP) 27IP-0028, FY 2018/2021

Title: Remediation of Tobacco Toxicants Polluting Low-Income Multiunit Housing

Role: Co-Investigator (PI: Quintana)

Amount: \$902,724

National Institute of Occupational Safety and Health (NIOSH), FY 2018/2019

Characterizing Renal Functioning and Occupational Risk Factors in Migrant Farmworkers.

ERC Small/Pilot Project Program Grant from UCLA funded via CDC/NIOSH T42 OH00841.

Role: Principal Investigator

Amount: \$15,000

Research Programs on Migration and Health (UC -PIMSA), FY 2019

Assessing Kidney Function in Relation to Heat Stress in Migrant Farm Workers.

Role: Principal investigator

Amount: \$5,000

Western Center for Agricultural Health and Safety Rapid Response, FY 2019

Complementary research grant awarded to conduct complete pilot study on exploring new kidney biomarkers in farm workers. Western Center for Agricultural Health and Safety Small Grant Program from UC Davis funded via CDC/NIOSH 2U54OH007550.

Role: Principal Investigator

Amount \$7,468

University of Arizona – GPSC Research Grant, FY 2019

Graduate and Professional Student Council Research and Project Grants to purchase additional sampling research supplies and prepare results.

Role: Principal Investigator

Amount: \$1,000

Southern California NIOSH Education and Research Center Pilot Project, FY 2018

A Pilot Project Assessing Short Term Kidney Functioning in an Arizona Agricultural Population.
CDC/NIOSH T42 OH00841.

Role: Co-Investigator

Amount: \$10,000

NIOSH Western Center for Agricultural Health and Safety, FY 2017

A Water Quality Assessment in a Farm Worker Community. CDC/NIOSH 2U54OH007550.

Role: Co-Investigator

Amount: \$29,914

CDC/NIOSH - Pilot Project Research Training Grant, FY 2015/2016

An Observational Study of the Effect of Heat Stress on Pesticide Exposure in Migrant Farmworkers in Sonora, Mexico. ERC Small/Pilot Project Program Grant from UCLA funded via CDC/NIOSH T42 OH00841.

Role: Principal Investigator

Amount: \$14,482

TINKER Grant - Summer Field Research Grant, FY 2016

TINKER grant to conduct an exploratory assessment of the agrochemical exposures suffered by the people residing near banana plantations in Ecuador. Funded by the Center of Latin American Studies at the University of Arizona.

Role: Principal Investigator

Amount: \$2,000

Grants To be Submitted/Under Review

TRDRP New Investigator Award, To be submitted October 2022

Understanding the Exposure and Use of Electronic Nicotine Delivery Systems in College Students
Submitted to Tobacco-Related Disease Research Program - T32KT4712.

Role: Principal Investigator

Amount: \$903,000

AWARDS, HONORS & FELLOWSHIPS

National Institute on Drug Abuse – Post-Doctoral Fellowship, 2022

Addiction Scientists Strengthened through Education & Training (ASSET)

Post-Doctoral Fellow, Éxito! Latino Cancer Research Leadership Training, 2021

To promote the continuation of higher education and research interest among Latinx community

Marshall Foundation Dissertation Fellowship Award, Spring 2020

Awarded on basis of the topic, methodology and potential contribution of my dissertation project

Delta Omega Honors Society, Graduate Class, 2020

Honors Society – University of Arizona College of Public Health, Inductee

Young Exposure Scientist Award - International Society of Exposure Science (ISES) – Institute for Prevention and Occupational Medicine (IPA) / Deutsche Gesetzliche Unfallversicherung (DGUV) International Award, August 2019

Awarded to support dissertation research focused on exposure science, environmental health, toxicology, biochemistry and related fields

The Southern Arizona Environmental Management Society Scholarship, 2019

This scholarship supports outstanding students conducting research on Arizona's health issues

MEZCOPH Community Advisory Board Scholarship, Fall 2018

Scholarship is for research that is dedicated to serving rural communities in Arizona

The Southern Arizona Environmental Management Society Scholarship, 2016

This scholarship supports outstanding students conducting research on Arizona's health issues

The Victoria Foundation Student Scholarship - The Mel & Enid Zuckerman College of Public Health Scholarship and the Hispanic Women Corporation Scholarship Benefit, 2015

Scholarships were provided to outstanding graduate students in the college of public health

NIH Doctoral Fellowship, Initiative for Maximizing Student Development (IMSD), 2014-2015

This fellowship program is supported by the National Institute of Health (NIH) with the purpose of selecting exceptional minority students to promote the diversification of scientific research. This fellowship provided valuable advice, workshops, tuition coverage, scientific presentation coverage, and a stipend for my research-related work throughout the first year of my doctoral program

John O. and Mary L. Anderson Memorial Endowed Scholarship in Public Health, 2013

Provides monetary support to continue high-level research projects on current public health issues

USDA Career Preparation Fellowship, Cultivar Project, 2012-2013

This fellowship provided monetary compensation for the leadership development, mentoring, and science communications techniques

American Association of Hispanics in Higher Education (AAHHE) Graduate Student Fellow, 2013

Fellowship is geared toward the promotion of Hispanic students to continue their graduate-level studies

Pre-Doctoral Fellow - EXITO - Latino Cancer Research Training, 2012

Provided support for professionals across different departments that study or will conduct cancer related research in the future. Funded by the National Cancer Institute (NCI)

San Diego State University - Public Health Traineeship Grant, 2011-2012

To maintain student excellence, this monetary award was received for two years as part of the public health school in San Diego State University to continue with my training in environmental health science research

TEACHING EXPERIENCE AND POSITIONS

San Diego State University

Instructor, Environmental Protection (PH 634)

Spring 2022

San Diego State University – Graduate School of Public Health

Graduate Level (MPH, PhD) – In Person

Instructor, International Health (PH 362)

Spring 2021

San Diego State University – Imperial Valley Campus

Undergraduate Level - Online

Instructor, Environmental Protection (PH 634) **Spring 2021**
San Diego State University – Graduate School of Public Health
Graduate Level (MPH, PhD) - Online

Instructor, Environmental Determinants of Health (PH 604) **Fall 2020**
San Diego State University – Graduate School of Public Health
Graduate Level (MPH, PhD) - Online

Guest Lectures

Environmental Health (HSCI 3052) **Spring 2021**
Topic: Environmental Diseases
Cal State University, San Bernardino (CSUSB)
Undergraduate Level - Online

Environmental Health, Graduate Seminar **Spring 2017**
Topic: Methods for conducting occupational health research among migrant Latino groups
University of Arizona
Graduate Level (MPH, PhD) - Online

University of Arizona

Co-Instructor, Environmental Epidemiology (CPH 559) **Spring 2018**
University of Arizona – School of Public Health
Graduate Level (MPH) – In person

Graduate Teacher Associate, Applied Exposure Assessment (CPH 653) **Spring 2017**
University of Arizona – School of Public Health
Graduate Level (MPH, PhD) – In person

ADVISING AND MENTORING

Elizabeth Luna	Master' in Public Health, SDSU	2020-Present
Grace Rubalcaba	Bachelor's Psychology , SDSU	2020-2021
Marvin Cabrera	Bachelors & Master' in Public Health, UA	2018-2019
Jeff Nelson	Bachelor's Public Health, UA	2017-2018
Claudia Diaz-Combs	Master' in Public Health, UA	2015-2017
Aaron Thomas	Bachelor's Public Health, UA	2016-2017

MEDIA INTERVIEWS & FEATURES

National Institute of Environmental Health News, Paper of the Month ([Link](#)). Environmental Factor: *Your Online Source for NIEHS News* (January 2022).

PBS News Hour - ([Link](#)). Jones, C. (2021, October 7). "The U.S. Will Develop a Federal Heat Standard for the First Time. Here's What Advocates and Labor Experts Want."

PBS News Hour - ([Link](#)). Jones, C. and Rodriguez-Delgado, C. (2021, August 10). “We Don’t Know Exactly How Many People are Dying from Heat — Here’s Why.”

PBS News Hour - ([Link](#)). Jones, C. and Rodriguez-Delgado, C. (2021, August 6). “Farmworkers are Dying in Extreme Heat. Few Standards Exist to Protect Them.”

Arizona Republic - ([Link](#)). Stone, E. (2021, January 29). “Few Resources, Long Distances and a Fearless Outlook Make Heat Deadlier in Rural Arizona.”

UA Public Health News ([Link](#)), Featured Research Study (2019, June). “Graduate Student Tracks Deadly Disease That Targets Farmworkers.”

Associations of Schools and Programs of PH Connect ([Link](#)) – Research and Reports (2019, February 14). “Arizona Study Examines Migrant Farmworkers’ Exposure to Pesticides in Sonora, Mexico.”

SERVICE AND LEADERSHIP

Member, San Diego - Tobacco Policy Workgroup	2019 - Present
Participate in monthly meetings and present results to community partners	
Binational Network for Healthy Communities in the Sonora-Arizona Region	2019 - 2020
Assist with the organization and research presentation at this conference to help improve the health in communities living nearby the Arizona-Sonora border region	
Focusing Research on the Border Area Summer Internship (FRONTERA)	2017 - 2018
Mentor and teach several students on conducting hands on research in public health.	
Border Latino and American Indian Summer Exposure to Research (BLAISER)	2017 - 2018
Mentor and train undergraduate students from underrepresented backgrounds to continue with graduate school. Assist students to complete cap stone research project.	
Student Ambassador, University of Arizona - College of Public Health	2016 - 2020
Prepare new students coming from diverse backgrounds to adjust to graduate school in Tucson-AZ. Officially representing UA public health college at conferences to promote public health programs.	
Southeast Arizona Health Education Center (SAHEC)	2016 - 2019
Train community health workers and graduate students. Developed materials to educate communities in the Arizona border about water quality and environmental sampling.	
Community and School Garden Program at "Changemaker High School"	2015 - 2018
Charter school that provides valuable knowledge for an underserved community in the South side of Tucson, Arizona. Assist school with the implementation of a rainwater harvesting program. Assist instructor on the elaboration of lectures for the ecology/biology courses. Provide feedback on their educational communal organic gardens.	
Club Latino de Arizona	2014 - 2017

Graduate Student Advisor Member. Develop plans that help incentivize Latino children from low-income neighborhoods to not drop off from school Organize and create fundraising for school supplies.

Vice-president of Student Environmental Health Association at University of Arizona 2014 - 2016

Conduct fundraising that will allow us to conduct sampling for free in underserved neighborhoods with high risk of pollutants exposure (Constant grant application. Promote awareness of current environmental health issues among younger students. Develop social programs such as science cafes that educate a broad group of people in Tucson.

Learning Service, Patalup-Guatemala

Summer 2013

Teach English and Spanish in primary and secondary schools that served the marginalized indigenous population of Guatemala. Created lesson plans and translated teaching materials from English to Spanish and vice versa. Help children to acquire more advance language skills that can help them in the future.

Research assistant in Rural Oaxaca, Mexico

June 2012 - August 2012

Collect ethnographic data and conduct in-depth interviews to the migrant population in Zimatlan, Oaxaca. Collect questionnaire data related to diabetes in various clinics of Oaxaca that will help develop interventions that can reduce the high levels of this disease on low-income communities

San Quintin Baja California – Obesity Project

September 2011 - January 2012

Develop surveys and assist in the collection of data on children consumption of sweetened beverages. Evaluate different programs to assess children obesity in the region.

Dengue Prevention Program for underserved communities in the Coastal areas of Ecuador 2009

Volunteered vector control assistant manager: objective was to reduce propagation of the mosquito, *Aedes aegypti*, which carries the virus caused of the dengue disease. Improved reduction of water reservoirs where the mosquito reproduces. Develop control program that fumigated in areas of high infection risk. Educate people on ways to prevent the contact with the mosquito. Create educational brochures for families living in rural areas.

Red Cross - Schools Vaccination Program in rural areas of Guayaquil, Ecuador

2009

Regional Coordinator - South Coast Area Distribute vaccinations among schools in rural communities. Keep records of vaccinated children. Create educational materials to educate mothers about the importance of vaccinating their children.

Co-Founder of UCLA Strategies for Ecology, Education, Diversity, and Sustainability (SEEDS) Club

2008 - 2009

Founded first ecological active club in the University of California, Los Angeles. Goal to create awareness of ecological/social issues by educating high school and freshmen undergrad students at UCLA. Work with middle or elementary school students to promote environmental interest and appreciation by creating lesson plans and educational activities.

Scientific Journal Manuscript Reviewer:

Environmental Health Perspectives (EHP)

2021-Present

Chemosphere

2021-Present

International Journal of Environmental Research and Public Health

2018-Present

PROFESSIONAL MEMBERSHIP

Tobacco Policy Workgroup, San Diego County Tobacco Control Coalition	2021-Present
International Society of Environmental Epidemiology, ISEE	2018-Present
American Public Health Association, APHA	2017-Present
International Society of Exposure Science, ISES, New Investigator	2017-Present
Society for Advancement of Chicanos/Hispanics and Native Americans in Science	2018-2020
Environmental Professionals of Arizona (EPAZ), Student Member	2015-2020
American Industrial Hygiene Association, Student Member	2014-2020
Air and Waste Management Association, Student Member	2014 - 2017
American Association of Hispanics in Higher Education (AAHHE)	2013 - 2015
Americas Society of Safety Engineers (ASSE), Arizona-California Chapter	2012 - 2016
Association of Artisanal Organic Producers – Ecuador, Active Member	2010 - 2017

TECHNICAL SKILLS & LANGUAGES

Statistical Data Analysis & Environmental Modeling

STATA, SPSS, and R software programs
Video translation and analysis to assess human exposure micro-activities.
Qualtrics & Redcap certificated (creation of surveys/questionnaires for data collection);
Microsoft Office programs (Access, Word, Excel, Power Point)

Biological and environmental sampling

Over ten years of experience conducting air, water, soil and dust sampling and analyses.
Managed several research projects using human biomarkers.

Geographical Informational System (GIS)

Managed ArcGIS programs to develop maps of contaminants present in the U.S-Mexico border to illustrate the environmental risk exposure in this area.

Two Gas Chromatography Columns - Time of Flight Mass Spectrometry GC×GC/ToF-MS

Three years of experience on the preparation and usage of this instrument for the analysis of samples' extracts.

LECO software program

Three years of experience working with this program that helps on the data chemical analysis obtained from the GC×GC/ToF-MS.

Handheld X-Ray Fluorescence (XRF)

Three years of experience working with the XRF to detect possible heavy metals present in soil, and other surfaces.

Foreign language and Translation services

Speak, read and write in Spanish fluently. Translation services for official paperwork (e.g IRB documents).