

NAME: Juan Aguilera, MD, PhD, MPH

PRESENT TITLE: Assistant Professor, UTHealth Houston School of Public Health in El Paso

WORK ADDRESS: 5130 Gateway Blvd, Suite 110, El Paso, TX, 79905

EMAIL: juan.aguilera@uth.tmc.edu

FOREIGN EDUCATION:

- MD, Universidad Autonoma de Ciudad Juarez, Mexico, Medicine, 2001 - 2009
- Diploma, Emergency Medicine, Instituto Politecnico Nacional (IPN), 2010 - 2011

GRADUATE EDUCATION:

- MPH, Master's in Public Health, University of Texas at El Paso, 2013 - 2016
- Certificate, Technical and Professional Writing, University of Texas at El Paso, 2015 - 2019
- PhD, Interdisciplinary Health Sciences, University of Texas at El Paso, 2016 - 2020

POSTGRADUATE TRAINING:

- Postdoctoral Fellow, Sean Parker Center for Allergy and Asthma Research, Stanford University, 2020 - 2021.

ACADEMIC & AND ADMINISTRATIVE APPOINTMENTS:

- Assistant Professor, UTHealth Houston School of Public Health in El Paso, 2023 - Present.
- Basic Life Research Scientist, Sean Parker Center for Allergy and Asthma Research, Stanford University, 2021 - 2023.
- Instructor of Record, College of Health Sciences, University of Texas at El Paso, 2019 – 2021.

HONORS AND AWARDS:

- 2024: Columbia Climate and Health Bootcamp Scholarship, Climate Change and Health Research Coordinating Center (CAFÉ), Boston University School of Public Health & Harvard T.H. Chan School of Public Health, USA
- 2023: Excellence in Climate Leadership Award, American Public Health Association, USA
- 2021 - 2022: Postdoctoral Justice Equity Diversity and Inclusion (JEDI) Champion, Stanford CA.
- 2021: Star Mentor Award in recognition of mentorship for the 2021 Stanford Bio X Undergraduate Research Program, Stanford CA.
- 2020 - 2021: Scientist Sentinels: Civic Engagement and Leadership Program awardee, Communication Partnership for Science and the Sea (COMPASS), Seattle WA.
- 2020: *21st Century Scholarship recipient*, Society for Public Health Education (SOPHE), Atlanta, GA
- 2019 – 2020: Stanford Postdoctoral Recruitment Initiative in Sciences and Medicine (PRISM) recipient, Stanford CA.
- 2019 – 2020: Frank and Polly Ann Morrow Outstanding International Student Award, Office of International Programs, University of Texas at El Paso, El Paso TX.

- 2019: Distinguished Leader Award, Student Engagement and Leadership Center, University of Texas at El Paso, El Paso TX.
- 2019: Top poster presentation, New Mexico Public Health Association, Las Cruces NM.
- 2018-2020: *Allien and Paul C. Davidson Scholarship*, Graduate Student Award Recipient, University of Texas at El Paso, El Paso, TX
- 2018: Agent of Change Leadership Award, Student Engagement and Leadership Center, University of Texas at El Paso, El Paso TX.
- 2017 - 2018: *Good Neighbor Scholarship State Scholarship Award*, Texas Higher Education Coordinating Board, El Paso, TX
- 2015 – 2017: Paso del Norte Health Foundation Fellowship, Paso del Norte Institute for Healthy Living, El Paso, TX
- 2016: 1st Place National Poster Abstract; Obesity Week Latin American Affairs Section of The Obesity Society, New Orleans, LA.
- 2014 – 2015: *Allien and Paul C. Davidson Scholarship*, Graduate Student Award Recipient, University of Texas at El Paso, El Paso, TX
- 2013 – 2015: Paula B. Ford Endowed Scholarship, Graduate Student Award Recipient, University of Texas at El Paso, El Paso, TX

PROFESSIONAL ORGANIZATIONS:

- Community Advisory Committee Councilmember, Bay Area Air Management District, 2022 - Present.
- NextGen Scientist Cohort Program, National Dairy Council USA, 2022-2025
- Finance Committee Member, The Obesity Society (TOS), 2022 – Present
- Member, American Mensa Organization, 2023 - Present
- Member, American Society for Nutrition (ASN), 2021 - Present
- Member, American Public Health Association (APHA), 2017 -Present
- Member, American Academy of Allergy, Asthma, and Immunology (AAAAI), 2021 - 2023
- Member, Society for Public Health Education (SOPHE), 2018 - 2020

EDITORIAL POSITIONS:

- Associate Editor, Health Promotion Practice Journal, 2021 - Present
- Topic Editor, Frontiers in Allergy journal, 2021-2023

SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES:

- Member of the NIH Board of Scientific Counselors, 2023 – Present
- Grant Reviewer for NASA Minority University Research and Education Project (MUREP), Inclusion Across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (MUREP INCLUDES), 2024– Present
- Grant Reviewer for the United States Department of Agriculture (USDA), Agricultural Marketing Services (AMS), Local Food Promotion Program (LFPP), 2024– Present

SERVICE ON THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON COMMITTEES (Specific to UTHealth Houston):

- Head of Implementation and Evaluation, Center for Community Health Impact (CCHI), 2024.
- Clinic Lab Director, El Paso Nutrition and Healthy Weight Clinic, 2024
- Judge, Ad Hoc Student Scholarship Committee, Department of Health Promotion and Behavioral Sciences, 2024.
- Reviewer, Preliminary Exam Grading for HPBS Doctoral Student, 2024.
- Judge, Student Research Day Poster Competition, UTHealth Houston School of Public Health, April 2024.
- Volunteer, Open House and Kickoff National Public Health Week, UTHealth Houston School of Public Health in El Paso, April 2024.
- Faculty Search Committee, UTHealth Houston School of Public Health in Brownsville.
- Occupational Medicine Search Committee, UTHealth Houston School of Public Health.
- Member, UTHealth Houston Center for Health Promotion and Prevention Research (CHPPR).
- Member, UTHealth Houston Institute for Implementation Science.
- Member, UTHealth Houston Southwest Center for Occupational and Environmental Health.

CURRENT TEACHING RESPONSIBILITIES:

- PH 1110, Health Promotion and Behavioral Sciences in Public Health, Fall 2024, 32 students
- PH 1112 Program Evaluation, Summer 2024, Co-teacher, 25 students.
- PH 1112 Community Assessment Principles, Methods, and Technologies, Spring 2024, Co-teacher, 40 students.

PAST TEACHING RESPONSIBILITIES:

- HSCI 3306 – Environmental Health, Fall 2020 (University of Texas at El Paso)
- HSCI 3308 - Disease Characteristics, Control, and Prevention, Fall 2019 (University of Texas at El Paso)

CURRENT CLINICAL SERVICE RESPONSIBILITIES:

- Clinical Lab Director, El Paso Weight and Nutrition Management Clinic.

CURRENT GRANT SUPPORT:

Dates: 9/01/2014 to 08/31/2025

Project name: Assessing Health Impacts of Heat & Air Pollution in At-Risk Populations in El Paso, TX

Funding Source: UTHealth Houston PRIME Award

Amount: \$25,000

Role: Principal Investigator (PI)

Dates: 9/01/2014 to 08/31/2025

Project name: Environmental Health Impact Assessment of BOTA Neighboring Communities

Funding Source: UTEP and El Paso County Commissioners Office

Amount: \$20,600

Role: Principal Investigator (PI) for Subaward from UTEP to UTHealth Houston

Dates: 07/01/2023 to 10/31/2026

Project name: Southwest USDA Regional Food Business Center,

Funding Source: US Department of Agriculture (USDA)

Amount: \$1,656,082.00

Role: Co-Investigator

PI: Beth Racine (Texas A&M) & Subaward PI: Gabriela Gallegos (UTHealth Houston)

Dates: 09/01/2018 to 03/31/2025

Project name: VALES+Tú: Targeting Psychosocial Stressors to Reduce Latino Day Laborers Injury Disparities.

Funding Source: National Institute on Minority Health and Health Disparities (NIHMD)

Amount: \$622,657

Role: Co-Investigator

PI: Maria Fernandez-Esquer

Dates: 07/10/2021 to 03/31/2026

Project name: VALE+TU SALUD: Corner-Based Randomized Trial to Test a Latino Day Laborer Program Adapted to Prevent COVID-19.

Funding Source: National Institute on Minority Health and Health Disparities (NIHMD)

Amount: \$628,766

Role: Co-Researcher

PI: Maria Fernandez-Esquer

Dates: 09/01/2023 to 08/31/2024

Project name: La Semilla GusNIP

Funding Source: National Institute of Food and Agriculture

Amount: \$ 24,784

Role: Co-Investigator

PI: Leah Whigham (UTHealth Houston)

Dates: 09/01/2023 to 08/31/2024

Project name: EPISD DoDEA Project

Funding Source: Department of Defense

Amount: \$ 31,228

Role: Co-Investigator

PI: Leah Whigham (UTHealth Houston)

PAST GRANT SUPPORT:

Dates: 09/01/2021 to 02/28/2024

Project name: Fighting Obesity by Reinventing Public Transportation: A Natural Experiment

Funding Source: National Cancer Institute (NCI)

Amount: \$ 570,561

Role: Co-Investigator

PI: Chanam Lee (Texas A&M) & Subaward PI: Leah Whigham (UTHealth Houston)

Jan 2021 – Jan 2023

Project name: Immune Tolerance Dysfunction in Pregnancy due to Ambient Air Pollution Exposure

Funding: NIH – National Heart and Blood Institute (NHBI)

Amount: \$1,568,068

Role: Co-Researcher

PI: Kari Nadeau

Jan 2021 – Jan 2023

Project name: Air Pollution Disrupts Inflammasome Regulation in Heart and Lung Total Health (AirHealth)

Funding: NIH P01 / Sean Parker Center for Allergy and Asthma Research

Amount: \$428,790

Role: Co-Researcher

PI: Kari Nadeau

Oct 2020 – Jan 2023

Project Name: PFAS-free Turnout Bio-Monitoring Study & Stanford Active Firefighter Home Kit Acute Exposure Study

Funding: San Francisco Firefighters Cancer Prevention Foundation

Amount: \$100,000

Role: Research Scientist

PI: Kari Nadeau.

Oct 2020 – Sep 2021

Project Name: Characterization of community exposures to traffic-related air pollution in the Paso del Norte using low-cost air sensors

Funding: Texas Commission on Environmental Quality (TCEQ)

Amount: \$50,000

Role: Co-Researcher

PI: Wen-Whai Li

Nov 2019 – June 2020

Project Name: Association of traffic and related air pollutants on cardiorespiratory risk factors from low-income populations in El Paso, TX

Funding: Department of Transportation - Center for Advancing Research in Transportation Emission, Energy, and Health (CARTEEH)

Amount: \$82,618

Role: Principal Investigator

Nov 2016 – Jul 2019

Project Name: Healthy Living, Children's Respiratory Health, and Traffic Related Air Pollution in an Underserved Community

Funding: Department of Transportation - Center for Advancing Research in Transportation Emission, Energy, and Health (CARTEEH)

Amount: \$363,279

Role: Research Associate

PI: Wen-Whai Li

May 2017 – Dec 2019

Project Name: Personal Exposure to Air Pollution in the Vicinity of U.S.-Mexico Border Crossings

Funding: Department of Transportation - Center for Advancing Research in Transportation Emission, Energy, and Health (CARTEEH)

Role: Research Associate

PI: Suriya Vallamsundar

Oct 2014 – Jan 2020

Project Name: Evidence-Based Screening for Obesity, Cardiorespiratory Disease and Diabetes in Low Income El Paso Households

Funding: City of El Paso's Department of Public Health

Amount: \$120,000

Role: Research Coordinator

PI: Joao Ferreira Pinto.

Sep 2015 – Dec 2019

Project Name: Community-based implementation and evaluation support, Healthy Eating Active Living Initiative

Funding: Paso del Norte Health Foundation (PDNHF)

Amount: \$7,921,696

Role: Research Fellow

PI: Leah Whigham

Dec 2014 - Jul 2015

Project Title: Association between Chronic Exposure to Air Pollutants and Cardiorespiratory Problems in Low-Income Quito Families in Quito, Ecuador;

Funding: Environmental Protection Agency – UTEP Air Quality Internship

Role: UTEP Air Quality Intern

PI: Rodrigo Armijos

Sep 2013 – Ago 2015

Project Name: The Association of Chronic Exposure to Particulate Matter Air Pollutants, Inflammation, and Atherogenesis in At-Risk El Paso Children

Funding: National Institute of Environmental Health Sciences (NIEHS)

Amount: \$934,926

Role: Research Assistant

PI: Rodrigo Armijos

PUBLICATIONS:

A. Peer Reviewed Articles in Journals

1. Uwak, I., Shields, M., Vallamsundar, S., Ramani, T., **Aguilera, J.**, Li, W. W. & Johnson, N. M. (2024). Personal Exposure to Polycyclic Aromatic Hydrocarbons: A Pilot Study of Teachers in El Paso, Texas. *Texas Public Health Journal*, 76(3).
2. Gould, C. F., Heft-Neal, S., Prunicki, M., **Aguilera, J.**, Burke, M., & Nadeau, K. (2024). Health Effects of Wildfire Smoke Exposure. *Annual Review of Medicine*, 75. <https://doi.org/10.1146/annurev-med-052422-020909>
3. **Aguilera, J.**, Konvinse, K., Lee, A., Maecker, H., Prunicki, M., Mahalingaiah, S., ... & Nadeau, K. C. (2023). Air Pollution and Pregnancy. In *Seminars in Perinatology* (p. 151838). WB Saunders. <https://doi.org/10.1016/j.semperi.2023.151838>
4. **Aguilera, J.**, Kaushik, A., J., Cauwenberghs, Smith, E., Heider, A., Ogulur, I., Alkotob, S., Akdis, C., Nadeau, K., & Prunicki, M. (2023). Granzymes, IL-16, and poly(ADP-ribose) polymerase 1 increase during wildfire smoke exposure. *Journal of Allergy and Clinical Immunology: Global*, 100093. <https://doi.org/10.1016/j.jacig.2023.100093>
5. **Aguilera J.**, Jeon S., Raysoni A., Li WW., & Whigham L. (2023). Moderate to vigorous physical activity levels negatively correlate with traffic-related air pollutants in children with asthma attending a school near a freeway. *Journal of Environmental Health* 8(5), 16-24. <https://www.proquest.com/docview/2787674027>
6. Sampath, V., **Aguilera, J.**, Prunicki, M., & Nadeau, K. C. (2023). Mechanisms of climate change and related air pollution on the immune system leading to allergic disease and asthma. In *Seminars in Immunology* (p. 101765). Academic Press. <https://doi.org/10.1016/j.smim.2023.101765>
7. Bhowmik, R. T., Jung, Y. S., **Aguilera, J.**, Prunicki, M., & Nadeau, K. (2023). A multi-modal wildfire prediction and early-warning system based on a novel machine learning framework. *Journal of Environmental Management*, 341, 117908. <https://doi.org/10.1016/j.jenvman.2023.117908>
8. Lee, A. S., **Aguilera, J.**, Efofi, J. A., Jung, Y. S., Seastedt, H., Shah, M. M., Yang, E., Konvinse, K., Utz, P. J., Sampath, V., & Nadeau, K. C. (2023). Climate change and public health: The effects of global warming on the risk of allergies and autoimmune diseases. *EMBO reports*, e56821. <https://doi.org/10.15252/embr.202356821>
9. Jung, Y. S., Sampath, V., Prunicki, M., **Aguilera, J.**, Allen, H., LaBeaud, D., Veidis, E., Barry, M., Erny, B., Akdiz, C., Akdis, M., & Nadeau, K. (2022). Characterization and regulation of microplastic pollution for protecting planetary and human health. *Environmental Pollution*, 120442. <https://doi.org/10.1016/j.envpol.2022.120442>
10. **Aguilera J**, Han X, Cao S, Balmes J, Lurmann F, Tyner T, Lutsker L, Noth E, Hammond K, Sampath V, Burt T, Utz PJ, Khatri P, Aghaepour N, Holden M, Prunicki M, Nadeau K (2022). *Increases in ambient air pollutants during pregnancy are linked to increases in methylation of IL4, IL10, and IFNγ*. *Clinical Epigenetics*, 14(1), 1-13. <https://doi.org/10.1186/s13148-022-01254-2>
11. Agache I, Sampath V, **Aguilera J**, Akdis Cm Barry M, Bouagnon A, Chinthrajah S, Collins W, Dulitzki C, Erny B, Gomez J, Goshua A, Jutel M, Kizer K, Kline O, LaBeaud A, Pali I, Perret K, Peters R, Plaza M, Prunicki M, Sack T, Salas R, Sindher S, Sokolow S, Thiel C, Veides E, Wray, B, Traidi C, Witt C, Nadeau K (2022). *Climate Change and Global Health: A Call to more Research and more Action*. *Allergy*, <https://doi.org/10.1111/all.15229>

12. Rangel A, Raysoni AU, Chavez MC, Jeon S, **Aguilera J**, Whigham LD, Li WW (2021). *Assessment of traffic-related air pollution (TRAP) at two near-road schools and residence in El Paso, Texas, USA*. Atmospheric Pollution Research, <https://doi.org/10.1016/j.apr.2021.101304>.
13. **Aguilera J**, Soyoungh J, Chavez M, Ibarra G, Ferreira-Pinto J, Whigham L, Li WW (2021). *Land Use Regression of Long-Term Transportation Data on Metabolic Syndrome Risk Factors in Low-income Communities*. Transportation Research Record. doi.org/10.1177/03611981211021853
14. Bae HR, Chandy M, **Aguilera J**, Smith EM, Nadeau K, Wu JC, Paik, DT (2021). *Adverse effects of air pollution-derived fine particulate matter on cardiovascular homeostasis and disease*. Trends in Cardiovascular Medicine. <https://doi.org/10.1016/j.tcm.2021.09.010>
15. **Aguilera, J** (2020). Associations of Traffic Related Air Pollution with Physical Activity and Cardiorespiratory Health Outcomes in At-Risk Populations from El Paso, Texas. Doctoral Dissertation, The University of Texas at El Paso. Scholar Works. https://scholarworks.utep.edu/open_etd/3077
16. Redelfs, A H, **Aguilera, J**, & Ruiz, S L (2019). *Practical Strategies to Improve Your Writing: Lessons Learned from Public Health Practitioners Participating in a Writing Group*. Health promotion practice, <https://doi.org/10.1177/1524839919838398>.
17. **Aguilera, J**, & Whigham, L D (2018). *Using the 13C/12C carbon isotope ratio to characterise the emission sources of airborne particulate matter: a review of literature*. Isotopes in environmental and health studies, 54(6), 573-587. <https://doi.org/10.1080/10256016.2018.1531854>
18. **Aguilera, J**. (2016). *Prevalence of risk factors for metabolic syndrome in uninsured Hispanic adults from low-income communities in El Paso, Texas*. Master's Thesis, The University of Texas at El Paso. Scholar Works. <https://scholarworks.utep.edu/dissertations/AAI10151250>

B. Invited Articles (Editorials, etc.) in Journals

1. **Aguilera, J.**, Ibarra-Mejia, G., & Johnson, M. (2023). *Exploring the Impact of Climate Change on Allergic Disease: New Insights and Challenges*. Frontiers in Allergy, 4, 1246899. <https://doi.org/10.3389/falgy.2023.1246899>
2. Evans-Agnew, R. A., & **Aguilera, J.** (2023). Climate Justice Is Environmental Justice: System Change for Promoting Planetary Health and a Just Transition From Extractive to Regenerative Action. *Health Promotion Practice*, 24(4), 597-602. <https://doi.org/10.1177/152483992311719>

C. Book Chapters

1. Agache, I. O., Sampath, V., **Aguilera, J.**, & Nadeau, K. C. (2024). Respiratory Disorders. *Climate Change and Public Health*, 86.

D. Abstracts

1. Ruiz, S., **Aguilera, J.**, Redelfs, A. H., Perez, D. A., Swartz, M. D., Dhurandhar, N. V., & Whigham, L. D. (2024). Association of BMI With Accuracy of Estimating Calorie Content of Food: Dietetic vs. Non-dietetic Professionals. *Current Developments in Nutrition*, 8.
2. Jung, Y.S., Ha, J.W., **Aguilera, J.**, Kaushik, A., Cansdale, S., Yang, E., Dermadi, D., Lurmann, F., Lutzker, L., Hammond, K. and Balmes, J. & Nadeau, K. (2024). Air Pollution and Pregnancy: Insights into Immune Response, Histone Modifications, and Cytokine Signatures. *Journal of Allergy and Clinical Immunology*, 153(2), AB370.

3. **Aguilera J.**, Redelfs, A., Martinez, E., & Whigham, L. (2023). The Impact of Objective Measures for Community Nutrition Program Evaluation. *Current Developments in Nutrition*, 7(Supplement 1), 100208. <https://doi.org/10.1016/j.cdnut.2023.100208>
4. Redelfs, A., Jolley, C., **Aguilera, J.**, Spruance, L., & Whigham, L. (2023). Pooled Analysis of Dermal Carotenoids in Children/Youth Using Reflectance Spectroscopy. *Current Developments in Nutrition*, 7(Supplement 1), 100219. <https://doi.org/10.1016/j.cdnut.2023.100219>
5. **Aguilera, J.**, Cauwenberghs, N., Kaushik, A., Smith, E., Heider, A., Ogulur, I., Alkotob, S., Akdis, C., Nadeau, K., & Prunicki, M. (2023). Proteomic and Immune Cell Alterations Upon Wildfire Smoke Exposure. *Journal of Allergy and Clinical Immunology*, 151(2), AB212.
6. Ha, J. W., **Aguilera, J.**, Jung, Y. S., Cansdale, S., Lurmann, F., Lutzker, L., ... & Prunicki, M. (2023). The impacts of ambient air pollution exposure during pregnancy on maternal and neonatal inflammatory biomarkers. *Journal of Allergy and Clinical Immunology*, 151(2), AB119.
7. **Aguilera, J.**, Han, X., Cao, S., Prunicki, M., & Nadeau, K. (2022). Exposure to ambient air pollutants during pregnancy is linked to IL4, IL10, and IFN γ gene methylation and fewer Th1, Th2, and Th17 cell populations. *Journal of Allergy and Clinical Immunology*, 149(2), AB139.
8. **Aguilera, J.**, Han, X., Cao, S., Prunicki, M., & Nadeau, K. (2021). Exposure to NO₂, CO, and PM during pregnancy is linked to a decreased Th2 percentage and anti-inflammatory cytokines. In *ALLERGY* (Vol. 76, pp. 310-310).
9. Rodriguez, L. A., Morales-Acuna, F., **Aguilera, J.**, & Gurovich, A. N. (2020). Reliability of a Novel Ultrasound Transducer Holder for Flow-Mediated Dilatation. *The FASEB Journal*, 34(S1), 1-1.
10. **Aguilera, J.**, Jeon, S., Chavez, M., Ibarra-Mejia, G., Pinto, J. F., Li, W. W., & Whigham, L. (2020, November). Associations of Traffic and Air Pollution with Obesity and Fasting Glucose in Low-Income Populations. In *OBESITY* (Vol. 28, pp. 9-9).
11. Ruiz, S., **Aguilera, J.**, Perez, D. A., Redelfs, A. H., Dhurandhar, N., & Whigham, L. (2019). Accuracy of calorie perceptions in individuals who are attempting to lose weight (p16-062-19). *Current Developments in Nutrition*, 3(Supplement_1), nzz050-P16.
12. **Aguilera J.**, Jeon, S., Chavez, M., & Whigham, L. (2018). Moderate to vigorous physical activity levels negatively correlate with traffic related air pollutants in children with asthma attending a school near a freeway. *Transport Research International Documentation*
13. **Aguilera, J.**, Magallanes, P., Morales, E., Magallanes, F., Atkinson, R., & Whigham, L. (2017). Evaluation of Diabetes Remission in Patients Undergoing Jejunio-Ileal Bypass with Internal Fistula in Juarez, MX. *Surgery for Obesity and Related Diseases*, 13(10), S132-S133.

E. Reports

1. **Aguilera, J.**, Martinez, E., & Whigham, L. (2023). *Desert Spoon, "Taster Space" Evaluation Report*. Center for Community Health Impact, El Paso, Texas.
2. **Aguilera, J.**, Martinez, E., & Whigham, L. (2023). *La Semilla, "Cultivating Health with Veggie Scripts & Gardening" Evaluation Report*. Center for Community Health Impact, El Paso, Texas.
3. **Aguilera, J.**, Martinez, E., & Whigham, L. (2023). *El Paso Independent School District "Raise the Bar" Evaluation Report*. Center for Community Health Impact, El Paso, Texas.
4. Martinez, E., **Aguilera, J.**, & Whigham, L. (2022). *La Semilla, "Cultivating Health with Veggie Scripts & Gardening" Evaluation Report*. Center for Community Health Impact, El Paso, Texas.
5. Martinez, E., **Aguilera, J.**, & Whigham, L. (2023). *Desert Spoon, "Taster Space" Evaluation Report*. Center for Community Health Impact, El Paso, Texas.
6. Jeon, S., **Aguilera, J.**, Whigham, L., & Li, W. W. (2021). Association of Traffic and Related Air Pollutants on Cardiorespiratory Risk Factors From Low-Income Populations in El Paso, TX. (UTEP-

- 03-27) Center for Advancing Research in Transportation Emissions, Energy, and Health. Texas A&M Transportation Institute. https://rosap.ntl.bts.gov/view/dot/56858/dot_56858_DS1.pdf
7. Vallamsundar, S., Uwak, I., Ramani, T., Jaikumar, R., Johnson, N.M., Trueblood, A., **Aguilera, J.**, Ramirez, I.M., Whigham, L. and Li, W.W (2021). Personal Exposure to Air Pollution in the Vicinity of US-Mexico Border Crossings (No. 01-03-TTI). Center for Advancing Research in Transportation Emissions, Energy, and Health. Texas A&M Transportation Institute. <https://rosap.ntl.bts.gov/view/dot/67302>
 8. Li WW, Raysoni AU, Jeon S, Whigham L, **Aguilera J**, Rangel A, Chavez MC, Ramirez IM, (2019). Healthy Living, Children’s Respiratory Health, and Traffic-Related Air Pollution in an Underserved Community, (No. CARTEEH Project 4). Center for Advancing Research in Transportation Emissions, Energy, and Health. Texas A&M Transportation Institute. <https://www.cartteeh.org/wp-content/uploads/2021/01/01-04-UTEP-Healthy-Living-Childrens-Respiratory-Health-and-Traffic-Related-Air-Pollution-in-an-Underserved-Community-Li.pdf>

F. Other Professional Communications

1. Presentations (local, regional, national, international)

1. Ruiz, S., **Aguilera, J. A.**, Redelfs, A. H., Perez, D. A., Swartz, M. D., Dhurandhar, N. V., & Whigham, L. D. (2024, Jul). Association of BMI With Accuracy of Estimating Calorie Content of Food: Dietetic vs. Non-dietetic Professionals. Poster Presentation. *American Society of Nutrition Annual Meeting 2024*. Chicago, IL
2. Fernandez-Esquer M, Monforton C, Pereira A, Pinzon C, **Aguilera J** (2024, May) Vales+Tu: A Program to Reduce Workplace Injuries Among Latino Day Laborers. Oral Presentation. Southwest Center for Occupational and Environmental Health, UTHealth Houston School of Public Health. (Online)
3. **Aguilera, J** (2024, Apr). Relationships between Air Pollution and Cardiorespiratory Health in El Paso, TX, Oral Presentation. Environmental Health Information Partnership, National Libraries of Medicine, El Paso, TX
4. **Aguilera, J** (2024, Apr). Relationships between Air Pollution and Our Communities Health, Oral Presentation. Community Climate Action Summit, El Paso, TX
5. **Aguilera J.** (2024, Mar). The Latino Paradox. Oral presentation. 7th Annual Latino Health Summit. Houston, TX
6. **Aguilera J**, Redelfs A, Perez D, Whigham L. (2023, Oct). Association Between Skin Carotenoids and Body Composition in a Hispanic Border Community. Poster Presentation. ObesityWeek 2023. Dallas. TX
7. **Aguilera, J** (2023, Oct). Health Screenings in Low-Income Communities: Environmental Impacts on Metabolic Outcomes. Guest Lecture, Fall 2023 PH1433 Research Seminar in Health Promotion and Behavioral Sciences. UTHealth Houston
8. **Aguilera J.**, Redelfs, A., Martinez, E., & Whigham, L. (2023, Jul). The Impact of Objective Measures for Community Nutrition Program Evaluation. Poster Presentation. American Society for Nutrition. Boston, MA.
9. Redelfs, A., Jolley, C., **Aguilera, J.**, Spruance, L., & Whigham, L. (2023, Jul). Pooled Analysis of Dermal Carotenoids in Children/Youth Using Reflectance Spectroscopy. Poster Presentation. American Society for Nutrition. Boston, MA.

10. **Aguilera, J.** (2023, April). Protecting our planet and our health. Panelist at the 75th Conference on World Affairs in Boulder, CO, 2023
11. **Aguilera, J.** (2023, April). An uncertain future: Climate change concerns for the next generation. Panelist at the 75th Conference on World Affairs in Boulder, CO, 2023
12. **Aguilera, J.** (2022, Nov). The role of epigenetics in asthma and allergy. Presented at the XLIX Brazilian Congress of Allergy and Immunology, São Paulo, Brazil.
13. **Aguilera, J.,** Cauwenberghs, N., Kaushik, A., Smith, E., Heider, A., Ogulur, I., Alkotob, S., Akdis, C., Nadeau, K., & Prunicki, M. (2023, Feb). Proteomic and Immune Cell Alterations Upon Wildfire Smoke Exposure. Poster presentation. AAAAI 2023, San Antonio, TX
14. **Aguilera, J.,** Ha, J. W., Jung, Y. S., Cansdale, S., Lurmann, F., Lutzker, L., ... & Prunicki, M. (2023, Feb). The impacts of ambient air pollution exposure during pregnancy on maternal and neonatal inflammatory biomarkers. Oral presentation. AAAAI 2023, San Antonio, TX
15. **Aguilera, J.** (2022, Sep). The Air We Breathe. Panel presentation. German General Consulate San Francisco, Palo Alto, CA.
16. **Aguilera, J.** (2022, May). Healthy Air for All. Presented to the National Call of Elders Climate Action, Stanford, CA.
17. **Aguilera, J.** (2022, Jun). Immune Changes and Disease in Humans Related to Climate Change and Air Pollution. Presented at the EXIMIOUS Symposium on Immune Differentiation Linked to Age and Exposure.
18. **Aguilera, J.** (2022, Jun). Served as Mentor at Training Session. Climate Reality Leadership Corps, Las Vegas, NV.
19. **Aguilera J,** Prunicki M, (2022, Oct) Wildfire and health related outcomes. Oral presentation. American Lung Association's wildfire management training. Denver, CO
20. **Aguilera J,** Cauwenberghs N, Smith E, Kaushik A, Heider A, Akdis C, Prunicki M, Nadeau K (2022, Jul) Symptomatology, immune changes, and proteomic alterations, in subjects exposed to wildfire smoke. World Immune Regulation Meeting. Davos, Switzerland.
21. Prunicki M, **Aguilera J,** Kline O, Smith E, Lopez A, Cansdale S, Fendorf S, Nadeau K Associations of PFAS compounds and heavy metal exposures in firefighters (2022, Jul). World Immune Regulation Meeting. Davos, Switzerland.
22. Ha JW, **Aguilera J,** Cansdale S, Burt TD, Aghaeepour N, Waldrop A, Khatri P, Utz PJ, Maecker HT, Nadeau K, Prunicki M, (2022, Jul). Ambient air pollution exposure associated with immune biomarkers during pregnancy. Poster presentation. World Immune Regulation Meeting. Davos, Switzerland.
23. Efobi J, **Aguilera J,** Ha JW, Burt TD, Aghaeepour N, Waldrop A, Khatri P, Utz PJ, Maecker HT, Nadeau K, Prunicki M, (2022, Jun) Associations of ambient air pollution exposure to NO_x, PAH, and EC, with immune biomarkers during pregnancy. Stanford Center for Innovation in Global Health. Stanford, CA
24. **Aguilera J,** Mueller S, Kripa E (2022, Apr). The Intersection of Health and Environment. Oral session. 150 Miles: Health in the Borderlands. Austin, TX.
25. Pedler J, Kline O, Lopez A, **Aguilera J,** Prunicki M, Nadeau K (2022, Mar) Positive Association Between Urinary Toxic Metal Levels and Duration of Wildfire Smoke. Oral presentation. Consortium of Universities for Global Health (Virtual).
26. **Aguilera J,** Han X, Cao S, Prunicki M, & Nadeau K. (2022, Feb). Exposure to ambient air pollutants during pregnancy is linked to IL4, IL10, and IFN γ gene methylation and fewer Th1, Th2, and Th17

cell populations. Oral presentation. American Academy of Allergy, Asthma & Immunology (AAAAI), Phoenix, AZ.

27. **Aguilera J**, Han X, Cao S, Prunicki M, Nadeau K (2021, Jul). Exposure to NO₂, CO, and PM during pregnancy is linked to a decreased Th2 percentage and anti-inflammatory cytokines. Poster presentation. European Academy of Allergy and Clinical Immunology (EAACI) Hybrid Congress 2021. Krakow – Poland (Digital)
28. **Aguilera J**, Han X, Cao S, Prunicki M, Nadeau K (2021, Jun). The association of ambient air pollution exposure with immune biomarkers during pregnancy. Oral presentation. 15th World Immune Regulation Meeting. Davos – Switzerland (Digital)
29. **Aguilera J**, Han X, Cao S, Prunicki M, Nadeau K (2021, Jun). Links of exposure to ambient air pollutants during pregnancy with a decreased Th1 percentage and inflammatory cytokines. Oral presentation. 15th World Immune Regulation Meeting. Davos – Switzerland (Digital)
30. Akhbir L, Heroux D, Prunicki M, **Aguilera J**, Putnam D, Nadeau K, Denburg J (2021, Jun). Maternal Asthma Risk in Relation to Infant and Early Life Hematopoietic Progenitor Cell Profiling: Evidence for in utero Innate Immune Memory. Federation of Clinical Immunology Societies. Virtual Annual Meeting
31. **Aguilera J**, Soyoungh J, Chavez M, Ibarra G, Ferreira-Pinto J, Whigham L, Li WW (2021, May). Short term effects of traffic related air pollution on cardiorespiratory outcomes among low-income residents, Oral presentation, 2nd Transportation, Air Quality, and Health Symposium
32. **Aguilera J**. (2021, Mar). Audience Centered Approaches to Improve Health. Oral presentation, Society for Public Health Education 2021, Virtual Conference.
33. **Aguilera J**, Soyoungh J, Chavez M, Ibarra G, Ferreira-Pinto J, Whigham L, Li WW (2021, Jan). Land Use Regression of Long-Term Transportation Data on Metabolic Syndrome Risk Factors in Low-income Communities. Oral presentation. Transportation Research Board Annual Meeting
34. **Aguilera J**, Soyoungh J, Chavez M, Ibarra G, Ferreira-Pinto J, Whigham L, Li WW (2020, Nov). Associations of Traffic and Related Air Pollutants with Obesity and Glucose in Low-Income Populations in El Paso, TX. Oral presentation, ObesityWeek Interactive
35. **Aguilera J**, Smith E, Prunicki M, Nadeau K (2020, Nov). Wildfire symptoms before and after an exposure event. Poster presentation. Cooperative Centers for Human Immunology (CCHI) Annual Programmatic Meeting.
36. **Aguilera J**, Soyoungh J, Chavez M, Ibarra G, Ferreira-Pinto J, Whigham L, Li WW (2020, Jul). Short term effects of traffic related air pollution on cardiorespiratory outcomes among low-income residents, oral presentation, Joint Advisory Committee (JAC) for the improvement of air quality in the Ciudad Juarez, Chihuahua/El Paso, Texas/Dona Ana County, New Mexico air basin
37. **Aguilera J**, Soyoungh J, Chavez M, Ibarra G, Ferreira-Pinto J, Whigham L, Li WW (2020, Jul). Land Use Regression of Long-Term Transportation Data on Metabolic Syndrome Risk Factors in Low-income Communities. Joint Advisory Committee (JAC) for the improvement of air quality in the Ciudad Juarez, Chihuahua/El Paso, Texas/Dona Ana County, New Mexico air basin
38. **Aguilera J**, Del Rio K, Guillen CP, Rodriguez M, Martinez E, Ferreira-Pinto J. (2020, Mar). Interdisciplinary team approach to facilitate access to healthcare for uninsured/low-income residents in partnership with a local food bank in El Paso, TX. Oral presentation. SOPHE 2020.
39. **Aguilera J**, Perez D, Redelfs A, Hassan A, Martin K, Whigham L. (2019, Nov) Evaluation of Change in Fruit and Vegetable Intake and Body Composition in a Food Pantry Initiative, Poster presentation, ObesityWeek 2019, Las Vegas, NV

40. Nyachoti D, **Aguilera J**, Perez D, Hassan A, Redelfs A, Whigham L. (2019, Nov) Evaluation of Impact of a Multi-School Gardening Intervention on Fruit and Vegetable Intake, Poster presentation, ObesityWeek 2019, Las Vegas, NV
41. Ruiz S, **Aguilera J**, Perez D, Redelfs A, Dhurandhar N, Whigham L. (2019, Nov) Does Percent Body Fat Influence the Accuracy of Calorie Perception? Poster presentation, ObesityWeek 2019, Las Vegas, NV
42. Wijayatunga N, Sandoval A, **Aguilera J**, Whigham L, Dhurandhar E. (2019, Nov) A systematic review: Association of Socioeconomic Status with Objectively Measured Physical Activity, Poster presentation, ObesityWeek 2019, Las Vegas, NV
43. Hopkins P, Hassan A, **Aguilera J**, Ruiz S, Redelfs A, Dhurandhar N, Whigham L. (2019, Nov) Determining the association of Fruit and Vegetable Intake between Dieters and Non-Dieters, Poster presentation, ObesityWeek 2019, Las Vegas, NV
44. Marquez I, Del Rio K, Vazquez D, **Aguilera J**. (2019, Nov) Lessons learned from the Medicaid Waiver project university partnerships: Highlights of the Border Public Health Interest Group collaboration in El Paso, TX, Poster presentation, American Public Health Association, Philadelphia, PA
45. Del Rio K, **Aguilera J**, Ferreira-Pinto J. (2019, Nov) Prevalence of risk factors for metabolic syndrome among members of Faith-based organizations in El Paso, Texas, Poster presentation, American Public Health Association, Philadelphia, PA
46. Ruiz S, **Aguilera J**, Perez D, Dhurandhar N, Whigham L. (2019, Jun) Accuracy of calorie perceptions in individuals who are attempting to lose weight or have a weight concern, Poster presentation, Nutrition 2019, Baltimore, MD
47. Del Rio K, **Aguilera J**. (2019, Apr) Metabolic syndrome in low-income communities: GIS mapping as a tool for surveillance; Flash presentation, Southwest Institute for Health Disparities Research conference; Las Cruces, NM
48. Del Rio K, **Aguilera J**, Ferreira-Pinto J. (2019, Mar) Metabolic syndrome in low-income communities: GIS mapping as a tool for surveillance. Poster presentation, NMPHA; Las Cruces, NM
49. **Aguilera J**, Perez D, Redelfs A, Jeon S, Raysoni A, Li WW, Whigham L. (2019, Feb) Relationship Between Physical Activity, Fruits and Vegetables, and Air Quality in Children with Asthma; Oral Presentation, Transportation, Air Quality, and Health Symposium; Austin, TX
50. **Aguilera J**, Whigham L. (2019, Feb) Using the $^{13}C/^{12}C$ Carbon Isotope Ratio to Characterize the Emission Sources of Airborne Particulate Matter; Poster presentation, Transportation, Air Quality, and Health Symposium; Austin, TX
51. Raysoni A, Jeon S, **Aguilera J**, Li WW. (2019, Feb) Assessment of Asthma Control Questionnaire as a Metric for Children's Traffic Air Pollution Exposures at Two Roadside El Paso Elementary Schools; Oral presentation, Transportation, Air Quality, and Health Symposium; Austin, TX
52. **Aguilera J**, Jeon S, Raysoni A, Rangel A, Whigham L, Li WW. (2019, Jan) Moderate to vigorous physical activity levels negatively correlate with traffic related air pollutants in children with asthma attending a school near a freeway; Poster presentation, Transportation Research Board's Annual Meeting; Washington, DC
53. **Aguilera J**, Perez D, Redelfs A, Whigham L. (2018, Nov) Impact of a Multi-school Garden Program on Student Fruit and Vegetable Intake. Poster presentation, ObesityWeek, Nashville, TN

54. Del Rio K, **Aguilera J**, Whigham L, Ferreira-Pinto J. (2018, Nov) High prevalence of obesity and cardiovascular risk factors in a Hispanic population without health insurance. Poster presentation, ObesityWeek; Nashville, TN
55. Raysoni A, Soyounng J, **Aguilera J**, Whigham L, Garcia S, Garcia M, Rangel A, Chavez M, Ramirez I, Li WW (2018, Nov). Airway inflammation and lung function measurements in children with asthma at two road-side elementary schools in El Paso, TX, Oral session, American Public Health Association Annual Meeting & Expo; San Diego, CA
56. **Aguilera J**, Del Rio K (2018, Nov). Evidence Based Screenings for Cardiorrespiratory Health Outcomes among Uninsured College Hispanic Students in El Paso Texas; Panel presentation, University of Texas at El Paso Graduate Research Expo; El Paso, TX
57. **Aguilera J** (2018, Nov). School near a freeway: Health outcomes for children with asthma; Connector presenter, 6th Interdisciplinary Research Education Symposium, University of Texas at El Paso; El Paso, TX
58. Del Rio K, **Aguilera J**, Whigham L, Ferreira-Pinto (2018, Nov). Prevalence of Obesity and Risk Factors for Metabolic Syndrome among Uninsured College Hispanic Students in El Paso Texas; Poster presentation, 6th Interdisciplinary Research Education Symposium, University of Texas at El Paso; El Paso, TX
59. **Aguilera J**, Chavez M (2018, Sep) Moderate to vigorous physical activity levels negatively correlate with traffic related air pollutants in children with asthma attending a school near a freeway; Oral presentation, Air Quality Joint Advisory Committee; Las Cruces, NM
60. Li W-W, Jeon S, Raysoni A, **Aguilera J**, Whigham L, Rangel A, Chavez M, Ramirez I. (Sep, 2018) Association of respiratory responses with traffic air pollution for asthmatic children attending road schools, Oral presentation, the Air Sensor International Conference, Oakland, CA.
61. **Aguilera J**, Del Rio K, (2017, Nov). Evidence Based Screenings for Cardiorespiratory Health Outcomes in Low Income Communities from El Paso Texas; Oral presentation, Healthier Texas Summit; Austin, TX
62. **Aguilera J**, Magallanes P, Morales E, Magallanes F, Atkinson R, Whigham L (2017, Nov). Evaluation of Diabetes Remission in Patients Undergoing Jejuno-Ileal Bypass with Internal Fistula in Juarez, MX; e-Poster presentation, ObesityWeek; Washington, DC
63. Del Rio K, **Aguilera J**, Whigham L., (2017, Nov). Prevalence of Obesity and Risk Factors for Metabolic Syndrome among Uninsured College Hispanic Students in El Paso Texas; Poster presentation, ObesityWeek; Washington, DC
64. Armijos RX, Weigel MM, **Aguilera J**, Martinez E, Mejia E, Olvera H, Balogun A, Gonzalez F (2017, Nov). Residence in urban neighborhoods with high ultrafine particulate matter (UFP) air pollution is associated with systemic inflammation and hypertension in U.S.-Mexico border adults; Poster presentation. American Public Health Association Annual Meeting & Expo; Atlanta, GA
65. Armijos RX, Weigel MM, Martinez E, **Aguilera J**, Mejia E, Olvera H, Racines-Orbe M (2017, Nov). Association of chronic exposure to ultrafine particulate matter with pulmonary inflammation, endothelial injury, and arterial thickness in urban U.S.-Mexico border children; Poster presentation. American Public Health Association Annual Meeting & Expo; Atlanta, GA
66. **Aguilera J**, Whigham L. (2017, Sep). Elucidation of the effects of air pollution on asthma using naturally occurring carbon stable isotope ratios; Poster presentation, 2nd Interdisciplinary Research Expo; University of Texas at El Paso, El Paso, TX

67. **Aguilera J**, Ibarra-Mejia G, Redelfs A, Whigham L (2016, Nov). *Prevalence of Risk Factors for Metabolic Syndrome in Uninsured Hispanic Adults from Low-Income Communities in El Paso, Texas*; Poster presentation, ObesityWeek; New Orleans, LA
68. **Aguilera J**, Magallanes P, Magallanes F, Morales I (2016, Oct). *Optimal glucose control and reduction of insulin requirements for patients with Type 1 diabetes that Undergo Jejunum-Ileal Bypass with Internal Fistula*; Poster presentation, 13th Annual Diabetes Conference: Faces of Diabetes, El Paso, TX
69. **Aguilera J** (2016, Apr). *University Career Center Medical Professionals Panel*; Panel presentation; University of Texas at El Paso, El Paso, TX
70. **Aguilera J**, Magallanes P, Magallanes F, Morales I (2015, Oct). *Evaluation of Metabolic Syndrome Components in Diabetic Patients that Undergo Jejunum-Ileal Bypass with Internal Fistula in Juarez, MX since 1984*; Poster presentation, 12th Annual Diabetes Conference: Faces of Diabetes; El Paso, TX
71. **Aguilera J** (2015, Oct). *Medicine and Public Health*; Lecture presentation, 3rd Annual Interdisciplinary Symposium: 21st Century Developments in Health Promoting Fields; University of Texas at El Paso, El Paso, TX
72. **Aguilera J.**, Alvarez C., Mora A (2015, Sep). *Epidemiology Data Management in case of Outbreak/ Emergency and Development of Medical Health Surge protocol for the City of El Paso Department of Public Health*; MPH Practicum Poster presentation, College of Health Sciences; El Paso, TX
73. R.X. Armijos, M.M. Weigel, Martinez E., **Aguilera J.**, Raysoni A (2015, Jan). *Evidence-Based Screening for Cardiorespiratory Health Outcomes in Low-Income Communities from El Paso, Texas*; Poster presentation El Paso Department of Public Health; El Paso, TX
74. Cisneros I, **Aguilera J.**, Martinez E., R.X. Armijos (2014, Nov). *Detection of Pathogens in Bioaerosols in Low-Income Communities in El Paso, Texas*; Poster presentation Annual Biomedical Research Conference for Minority Students; San Antonio, TX
75. Magallanes P, **Aguilera J**, Magallanes F, Morales I (2014, Oct). *Evaluation of Diabetes Remission and Life Expectancy in Patients that Undergo Jejunum-Ileal Bypass with Internal Fistula in Juarez, MX since 1984*; Poster presentation 11th Annual Diabetes Conference: Faces of Diabetes; El Paso, TX
76. Martinez E, **Aguilera J**, Ramirez J, R X Armijos (2014, Feb). *Respiratory Health Effects Induced by Indoor and Outdoor Bioaerosols in El Paso, Texas*; Poster presentation Microbiology Symposium, University of Texas at El Paso; El Paso, TX
77. **Aguilera J** (2013, Oct). *Medicine and Public Health*, Lecture Presentation, 1st Annual Interdisciplinary Symposium: 21st Century Developments in Health Promoting Fields; University of Texas at El Paso, El Paso, TX

2. Non-refereed Publications

1. **Aguilera, J.** (2016). Prevalence of risk factors for metabolic syndrome in uninsured Hispanic adults from low-income communities in El Paso, Texas. Master's Thesis, The University of Texas at El Paso. Scholar Works. <https://scholarworks.utep.edu/dissertations/AAI10151250>
2. **Aguilera, J** (2020). Associations of Traffic-Related Air Pollution with Physical Activity and Cardiorespiratory Health Outcomes in At-Risk Populations from El Paso, Texas. Doctoral Dissertation, The University of Texas at El Paso. Scholar Works. https://scholarworks.utep.edu/open_etd/3077

3. Journal Activities (+170 journal article peer reviews)

- Journal of Allergy and Clinical Immunology (8 articles)
- Journal of Applied Physiology (3 articles)
- Journal of Asthma and Allergy (5 articles)
- Nutrition and Diabetes (Nature) (12 articles)
- Health Promotion Practice Journal (66 articles)
- Metabolic Syndrome and Related Disorders (31 articles)
- Journal of Health Care for the Poor and Underserved (7 articles)
- Air Quality, Atmosphere & Health (8 articles)
- Transportation Research Board (2 articles)
- Transportation Research Record (4 articles)
- Journal of Transport & Health (2 articles)
- American Journal of Preventive Medicine (4 articles)
- Environmental Epidemiology (1 article)
- International Journal of Obesity (4 articles)
- Applied Economics (1 article)
- International Journal of Environmental Research and Public Health (IJERPH) (4 articles)
- Sustainability Journal (2 articles)
- Nursing Reports (1 article)
- Prevention Science (2 articles)
- Environmental Justice (1 article)
- BMC Public Health (Nature) (1 article)
- Toxics (1 article)

4. Videos/Media

Featured at Chemical and Engineering News: “Wildfire smoke linked to early deaths”
(06/18/2024) <https://cen.acs.org/environment/pollution/Wildfire-smoke-linked-early-deaths/102/i19>

Interviewed by NPR: “Wildfire smoke contributes to thousands of deaths each year in the U.S.”
(04/18/2024) <https://www.npr.org/2024/04/18/1245068810/wildfire-smoke-contributes-to-thousands-of-deaths-each-year-in-the-u-s>

Featured for national award by Public Health Newswire: “APHA honors outstanding leadership in climate, health and equity” (11/28/2023) <http://publichealthnewswire.org/?p=climate-awards-202>

Featured in article at UTHHealth Houston: “El Paso Nutrition and Healthy Weight Clinic opens to increase access to medical treatment for weight loss” (11/13/2023) <https://sph.uth.edu/news/story/el-paso-nutrition-and-healthy-weight-clinic-opens-to-increase-access-to-medical-treatment-for-weight-loss>

Pictured in THE CITY EL PASO MAGAZINE for our efforts opening a new Weight Management and Nutrition Clinic. November 2023 issue: <https://thecitymagazineelp.com/>

Interviewed by MedicalXpress “Exposure to wildfire smoke linked to altered DNA structure in monkeys”
03/08/22 <https://medicalxpress.com/news/2022-03-exposure-wildfire-linked-dna-monkeys.html>

Expert Roundtable for Axios news: "The Future of Climate Change and Lung Health" 09/15/21
<https://www.youtube.com/watch?v=eXHW5VnzhO4>

Interview for The Sacramento Bee: "How California's toxic wildfire smoke affects your health. What the experts are saying" 08/20/21 <https://www.sacbee.com/news/california/fires/article253619218.html>

Interview for Telemundo 48: "Mala calidad del aire podría provocar un aumento en los casos de COVID-19" 08/21/21 <https://www.telemundoareadelabaha.com/noticias/local/mala-calidad-del-aire-podria-provocar-un-aumento-en-los-casos-de-covid-19/2174235/>

Interview for Telemundo 48: "Extienden aviso por mala calidad del aire en la Bahía" 08/18/21
<https://www.telemundoareadelabaha.com/noticias/local/humo-de-los-incendios-impacta-calidad-del-aire-en-el-area-de-la-bahia/2173519/>

Interview for STAT: Wildfire smoke is particularly harmful to kids' respiratory health, study finds 3/23/21
<https://www.statnews.com/2021/03/23/wildfire-smoke-is-particularly-harmful-to-kids-respiratory-health-study-finds/>

Interview for KFOX14: El Paso MPO says pollutants released by vehicles in bridge lines are increasing 05/07/19 <https://kfoxtv.com/news/local/el-paso-mpo-says-pollutants-released-by-vehicles-in-bridge-lines-are-increasing>

Interview for KTSM9: Increase in air pollution puts health at risk for those who cross bridge daily 05/08/19 <https://www.ktsm.com/local/el-paso-news/increase-in-air-pollution-puts-health-at-risk-for-those-who-cross-bridge-daily/>

Two Podcasts for Health Promotion Practice (The HPP Podcast)

- S3 Ep. 29 Exploring Planetary Health and Climate Justice in Health Promotion with Dr. Robin Evans-Agnew, Dr. Juan Aguilera, Jessica LeClair, and De-Ann Sheppard. The HPP Podcast <https://podcasts.apple.com/gb/podcast/s3-ep-29-exploring-planetary-health-and-climate/id1547503833?i=1000621353888>
- S2 Ep. 3 Exploring the Intersection of Environmental and Climate Justice with Dr. Juan Aguilera and Dr. Robin Evans-Agnew. The HPP Podcast <https://podcasts.apple.com/us/podcast/s2-ep-3-exploring-the-intersection-of/id1547503833?i=1000548060025>

MENTORING ACTIVITIES:

Doctoral Students

- Lixia Han
Role: Advisor
Degree Program: PhD
Year of Graduation: Expected 2028
Institution: UTHealth Houston School of Public Health
Current Position: Doctoral Student
- Benjamin Ojo
Role: Doctoral Committee Member
Degree Program: PhD
Year of Graduation: Expected 2025

Institution: University of Texas at El Paso (UTEP)

Dissertation Title: *Risk Assessment of Kidney Diseases from Outdoor Co-Exposures to Particulate Matter and Heat in Texas Metropolitan Areas*

Current Position: Doctoral Candidate

Master's Students

- Emily Troutman
Role: Capstone Mentor
Degree Program: MD/MPH
Institution: Texas Tech University/UTHealth Houston
Year of Graduation: Expected 2026
Research Project: *Air Quality and Respiratory Outcomes in the El Paso Borderland*
Current Position: MD/MPH Student
- Garret Coghill
Role: Independent Research Advisor
Degree Program: MPH
Institution: University of Texas at El Paso (UTEP)
Year of Graduation: Expected 2025
Research Project: *Evaluation of Cultivating Health with Veggie Scripts and Gardening*
Current Position: MPH Student
- Jo Ann Efobi
Role: Independent Research Advisor
Degree Program: MPH
Institution: Stanford University
Year of Graduation: Expected 2025
Research Project: *Climate Change and Public Health: The Effects of Global Warming on the Risk of Allergies and Autoimmune Diseases*
Current Position: MPH Student
- Allisa Lazo-Kim
Role: Independent Project Advisor
Degree Program: Pre-Medicine
Institution: University of Texas at El Paso (UTEP)
Year of Graduation: 2023
Research Project: *Impact of Ambient Air Pollutants on Obesity in Hispanic Americans: A Scoping Review*
Current Position: Medical Student
- Ivan Ramirez
Role: Thesis Committee Member
Degree Program: Master's in Civil Engineering
Institution: University of Texas at El Paso (UTEP)
Year: 2021
Thesis Title: *Sensitivity Analysis of Transportation Emissions on Near-Road Air Dispersion Using the EPA-Approved Gaussian Air Dispersion Model AERMOD*

- Brianda Sarmiento
Role: Graduate Project Committee Member
Degree Program: Master's in Public Health
Institution: University of Texas at El Paso (UTEP)
Year: 2018
Project Title: *Literature Review of Air Pollution as an Emergent Risk Factor for Cardiovascular Disease*

Research Technicians

- Monica Vel
Role: Research Technician Mentor
Institution: Stanford University
Years of Supervision: 2021-2023
Current Position: Doctoral Student
- Stuart Cansdale
Role: Research Technician Mentor
Institution: Stanford University
Years of Supervision: 2021-2023
Current Position: Research Associate

Faculty Mentees (informal)

- Sarah Ruiz
Role: Faculty Mentor
Institution: New Mexico State University
Current Position: Assistant Professor
- Jingjing Gao
Role: Faculty Mentor
Institution: UTHealth Houston
Current Position: Assistant Professor
- Priyanka Vyas
Role: Faculty Mentor
Institution: Stanford University
Current Position: Faculty Lecturer

Undergraduate Students

- Olivia Kline
Role: Research Mentor
Institution: Stanford University
Current Position: Master's Student
Project Title: *PFAS-free Turnout Bio-Monitoring Study & Stanford Active Firefighter Home Kit Acute Exposure Study*
- Emma Mejia
Role: Research Supervisor

Institution: University of Texas at El Paso (UTEP)

Current Position: Occupational Therapy Graduate

Project Title: *Evidence-based Screenings for Cardiorespiratory Disease in Low-income Communities in El Paso, TX.*

- Cristina Martinez
Role: Research Supervisor
Institution: University of Texas at El Paso (UTEP)
Current Position: Health Promotion Graduate
Project Title: *Evidence-based Screenings for Cardiorespiratory Disease in Low-income Communities in El Paso, TX.*
- Karen Del Rio
Role: Research Supervisor
Institution: University of Texas at El Paso (UTEP)
Current Position: Doctoral Candidate
Project Title: *Evidence-based Screenings for Cardiorespiratory Disease in Low-income Communities in El Paso, TX.*
- Christina Garcia
Role: Research Supervisor
Institution: University of Texas at El Paso (UTEP)
Current Position: Master's in Education Graduate
Project Title: *Evidence-based Screenings for Cardiorespiratory Disease in Low-income Communities in El Paso, TX.*

Additional Advising:

- Advisor for Student Governance Association, UTHealth Houston School of Public Health, El Paso (2023-2024)
- Served as **Community and Public Health panelist** for incoming medical and dental students at Paul L. Foster School of Medicine and Woody L. Hunt School of Dental Medicine, Texas Tech University Health Sciences Center El Paso. (Jul, 2024)
- Served as **career mentor panelist** for Debbie Fette's introductory nutrition class, Department of Nutrition, UC Davis. (Jun, 2024)
- Served as **career mentor panelist** for Leah Whigham's public health capstone course, Department of Health Promotion and Behavioral Sciences, UTHealth Houston School of Public Health. (Apr, 2024)
- Served as a **project mentor** at the Smart-Borderland AI Hackathon, Department of Computer Science, University of Texas at El Paso, El Paso, TX. (Mar, 2024)
- Served as **career mentor panelist** for Isabel Latz's public health class, Department of Public Health Sciences, New Mexico State University. (Jan, 2024)
- Served as **judge for Mensa** Foundation Scholarship, American Mensa. (Jan, 2024)

RECENT COMMUNITY SERVICE:

- Community presentation. Health Fair – Saber es Poder! Principles of Environmental Exposures and Cardiometabolic Health, Socorro High School, El Paso, TX. (2024, Sep)

- Climate presentation. Principles of Environmental Justice: The Intersection of Environmental Justice and Climate Change, Climate Fellowship Program, City of El Paso's Office of Climate and Sustainability, El Paso, TX. (2024, Aug)
- Meeting with Washington-Delta and San Juan community leaders and Commissioner Stout to establish a Health Needs Assessment in El Paso, TX. (2024, Jul)
- Meeting with San Xavier community leaders and Commissioner Stout to establish a Health Needs Assessment in El Paso, TX. (2024, Jun)
- Consultation with Adults and Youth United Development Association, Inc. (A.Y.U.D.A) for Department of Energy (DOE) Grant, El Paso, TX. (2024, May)
- Meetings with Medical Center of Americas (MCA) in preparation for EPA Community Change Grant, El Paso, TX. (2024, Apr – Aug)
- Volunteer, National Public Health Week (NPHW), El Paso, TX. (2024, Apr)

ADDITIONAL TRAINING AND CERTIFICATIONS

- Building Successful Collaborations with Communities: Asset-Based Community Development, National Library of Medicine, Sep 2024
- New Investigator Development Program Grants 101/102, UTHealth Houston, Jan-Jul 2024
- Columbia Climate and Health Bootcamp: Building Skills and Knowledge for Effective Engagement, Columbia University, Jun 2024
- Level 3 –Financial Resilience Training, Food Finance Institute and Universities of Wisconsin, Mar 2024
- Level 1 –Food Business Model Optimization Training, and Level 2 –Food Business Financial Packaging, Food Finance Institute and Universities of Wisconsin, Feb 2024
- Communicating Wildland Fire Science, COMPASS / Federation of American Scientists, Washington DC, Jan 2024
- Climate Ambassador, Climate for Health – American Public Health Association, Nov 2023
- Certificate, Medical Statistics, Stanford University, Dec 2022
- Management Consulting Certificate, Stanford University, July 2021
- Science Communication & Media, Stanford University, May 2021
- COVID-19 Contact Tracing certificate, John Hopkins University, Apr 2020
- Teaching Online Practicum, Center for the Integration of Research, Teaching and Learning (CIRTL), Apr 2020
- Teaching Online Academy certificate, University of Texas at El Paso, El Paso, TX, Mar 2020
- How Health Clinicians Can Address Food Insecurity, Region V Public Health Training Center, University of Michigan, Feb 2020
- Population Health and Health Equity course, Region V Public Health Training Center, University of Michigan, Jan 2020
- Team-Based Learning Institute and Course (Re)Design Program, University of Texas at El Paso, Dec 2019
- Career Prep Apprentice Teacher Certificate, Graduate School, University of Texas at El Paso, Dec 2019
- Journal Peer Reviewing, Publons Academy, May 2019

- Practical Obesity Management Course, Paso Del Norte Institute for Healthy Living, El Paso, TX, Aug 2018
- Peer Mentoring & Small Groups Facilitation, Rocketeer Program, SELC, University of Texas at El Paso, TX, May 2017
- Community Health Mapping, GIS training, University of Texas at El Paso, TX, Apr 2017
- Mental Health Gap Action Programme (mhGAP), Pan-American Health Organization, Hilton Garden, El Paso, TX, Nov 2016
- Policy Writing, Workshop, Paso del Norte Health Foundation, El Paso, TX, Oct 2015
- Community Assessment for Public Health Response (CASPER), Ysleta del Sur Tigua Tribal Nation, Texas Department of State Health Services, El Paso, TX, Sep 2015
- Fracking: Guidebook for Public Health Officials, City of El Paso Department of Public Health, El Paso, TX, Aug 2015
- APTI SCI:460 Introduction to Air Permitting, Air Pollution Training Institute, Environmental Protection Agency, May 2015
- Health Promotion and Adult Education, School of Public Health, University of Minnesota, MN, Apr 2014
- Health Policy Advocacy, School of Public Health, University of Minnesota, MN, Mar 2014
- Program Evaluation, School of Public Health, University of Minnesota, MN, Feb 2014
- Pulse Wave Analysis and Pulse Wave Velocity, Cardiovascular assessment training, Department of Public Health, University of Texas at El Paso, El Paso, TX, Dec 2013
- Biomedical Responsible Conduct of Research Curriculum (Certificate), Collaborative Institutional Training Initiative (CITI), El Paso, TX, Aug 2013
- Medicine and Traffic Law, Certificate, MAPFRE Foundation, Madrid, Spain, Jun 2013