

## Curriculum Vitae

### **KRISTINA D. (CRABTREE) MENA**

Jane Dale Owen Endowed Chair in Environmental Health Protection  
Department of Environmental & Occupational Health Sciences  
Professor and El Paso Dean  
UTHealth Houston School of Public Health  
Vice President of Civic & Business Engagement, UTHealth Houston  
5130 Gateway East Blvd  
El Paso, Texas 79905  
**Tel:** 915-539-6417 **e-mail:** [kristina.d.mena@uth.tmc.edu](mailto:kristina.d.mena@uth.tmc.edu)

#### **EDUCATION**

- Postdoctoral Fellow, Food Animal Health and Management Center, Kansas State University, Manhattan, KS, 1997-1998
- Ph.D., Department of Soil, Water and Environmental Science, The University of Arizona, Tucson, AZ, 1993-1996
- M.S.P.H., Department of Environmental and Occupational Health, University of South Florida, Tampa, FL, 1991-1993
- B.A., Department of Biology, Franklin College of Indiana, Franklin, IN, 1987-1991

#### **APPOINTMENTS**

- Vice President of Civic & Business Engagement, UTHealth Houston, 2023-present
- Jane Dale Owen Endowed Chair in Environmental Health Protection, Department of Environmental & Occupational Health Sciences, School of Public Health, The University of Texas Health Science Center at Houston, 2023-present
- Professor of Environmental & Occupational Health Sciences with Tenure, School of Public Health, The University of Texas Health Science Center at Houston, 2022-present
- El Paso Campus Dean, School of Public Health, The University of Texas Health Science Center at Houston, 2019-present
- Graduate Faculty, Water Management and Hydrological Science, Texas A&M University, College Station, TX, 2019-present
- Interim Dean, El Paso Campus, School of Public Health, The University of Texas Health Science Center at Houston, 2016-2019
- Acting Dean, El Paso Campus, School of Public Health, The University of Texas Health Science Center at Houston, 2014
- Program Head, Environmental and Occupational Health Sciences, Department of Epidemiology, Human Genetics and Environmental Sciences, School of Public Health, The University of Texas Health Science Center at Houston, 2010-2023
- Associate Professor of Environmental Sciences with Tenure, School of Public Health, The University of Texas Health Science Center at Houston, 2009-2021
- Assistant Professor of Environmental Sciences, School of Public Health, The University of Texas Health Science Center at Houston, 2001-2008
- Adjunct Faculty in Biology, The University of Texas at El Paso, El Paso, TX, 2004-2019
- Adjunct Faculty in Chemistry and Environmental Science & Engineering, The University of Texas at El Paso, El Paso, TX, 2001-2019

- Full-time Faculty, Division of Business and Science, Eastern New Mexico University-Roswell, Roswell, NM, 2000-2001
- Postdoctoral Fellow, Kansas State University, Food Animal Health and Management Center, Manhattan, KS, 1997-1998
- Adjunct Faculty, Arizona Department of Corrections & Department of Environmental Science and Emergency Services, Pima Community College, Tucson, AZ, 1996-1997
- Research Assistant, The University of Arizona, Department of Soil, Water and Environmental Science, Tucson, AZ, 1994-1996
- Research Technician, Polar Equipment, Inc., Santa Clara, CA, 1995
- Research Technician, American Water Works Service Company, Inc., St. Louis, MO, 1995
- Research Assistant, The University of Arizona, Department of Soil, Water and Environmental Science, Tucson, AZ, 1993-1994
- Research Assistant, University of South Florida, Department of Environmental and Occupational Health, Tampa, FL, 1992-1993
- Research Assistant, University of South Florida, Department of Community and Family Health, Tampa, FL, 1991-1992
- Winter Intern, Eli Lilly & Company, Department of Infectious Disease Research, Indianapolis, IN, 1990 and 1991

## FELLOWSHIPS

- Post-Doctoral Fellowship, Kansas State University, 1997-1998
- American Association for the Advancement of Science, Science and Engineering Fellowship, 1996

## HONORS AND AWARDS

- Jane Dale Owen Endowed Chair of Environmental Health Protection (12/01/2023)
- Paso del Norte Health Foundation Board, El Paso, Texas (2024-present)
- Innovation Award, Pioneers21, El Paso, Texas (2023)
- Excellence in Community Service Award, UTHealth Houston SPH (2023)
- President's Award for Leadership, UTHealth (2022)
- Rio Grande Council of Governments, Appointment (2022-2023)
- North American Leaders' Summit Preparatory Roundtable, Dallas, Texas (May 26, 2022)
- USA World Triathlon Sustainability Commission, Appointment (2022)
- 2021 Woman of Impact, *El Paso Inc.* (2021)
- Nominated for Child Health Advocate of the Year, ChildrenAtRisk (08/20/2021)
- El Paso Hospital District Board of Managers, El Paso, Texas (2020-present)
- Nominated for President's Award for Leadership, UTHealth, 2020
- Outstanding Child Advocate Nominee, El Paso & West Texas, Texas Academy Awards of Child Advocacy, ChildrenAtRisk (09/03/2020)
- Chair, El Paso Public Service Board, El Paso, Texas (2020-2022)
- Student paper earned Editor's Choice Award (June 1, 2020): Gitter, A., **K.D. Mena**, K.L. Wagner, D.E. Boellstorff, K.E. Borel, L.F. Gregory, T.J. Gentry and R. Karthikeyan. 2020. Human health risks associated with recreational waters: preliminary approach of integrating quantitative microbial risk assessment with microbial source tracking. *Water* 12(2):327. <https://doi:10.3390/w12020327>.
- Reappointed to a Second Term on the Public Service Board by El Paso Mayor and City Council, El Paso, Texas (2020-2024)
- Vice Chair, El Paso Public Service Board, El Paso, Texas (2019-2020)

- Excellence in Teaching Award, University of Texas-Houston School of Public Health (2018)
- Cutting Edge Award, El Paso Hispanic Chamber of Commerce (2017)
- Appointed to the Public Service Board by El Paso Mayor and City Council, El Paso, Texas (2016-2019)
- Featured in Houston Business Journal (2014)
- Featured in Texas Medical Center News (2014)
- Featured in Franklin College of Indiana publication (2014)
- Excellence in Community Service Award, University of Texas-Houston School of Public Health (2014)
- Selected for two terms USEPA Chartered Science Advisory Board (2013-2019)
- Selected for two terms USEPA Science Advisory Board, Drinking Water Committee (2013-2019)
- Nominated for USEPA Science Advisory Board (2012-2013)
- Nominated for USEPA Science Advisory Board Panel (2011) *Cancelled - Lack of funding*
- Selected for Who's Who Among Executives and Professionals, 2008-2009 Honors Edition
- Selected to create podcast, MicrobeWorld Radio, American Society for Microbiology (2007)
- Keynote Speaker, Annual Symposium, The Groundwater Foundation (2006)
- American Academy of Microbiology Colloquium, American Society for Microbiology (2006)
- Elected Vice Chair, Public Interest Advisory Forum, American Water Works Association (2006)
- National Drinking Water Advisory Council nominee, United States Environmental Protection Agency (2006)
- Recognition at Faculty Honors Convocation, The University of Texas Health Science Center at Houston (2005)
- National Drinking Water Advisory Council nominee, United States Environmental Protection Agency (2005)
- Outstanding Young Investigator, University of Texas Health Science Center at Houston (2005)
- Best Paper of the Year Award, American Water Works Association, Water Science & Research Division (2005)
- Honors Convocation, The University of Texas Health Science Center at Houston (2005)
- Published International Interview, International Water Association (2005)
- Microbiology Delegation, People to People Ambassador Programs to South Africa (2005)
- Keynote Speaker, The New Mexico Regional Honors Institute (2000)
- Environmental Science & Engineering Fellowship, United States Environmental Protection Agency, American Association for the Advancement of Science (1996)
- Sigma Xi Travel Award (1995)
- The University of Arizona Student Showcase, Second Place (1994)
- Arizona Branch Student Presentation Travel Award, American Society for Microbiology (1994)
- National English Honor Society, Sigma Tau Delta (1991)

## **RESEARCH - Interests**

- Human Health Risk Assessment

- Water Quality/Food Safety
- Spaceflight Epidemiology

## RESEARCH – Publications

### Peer-Reviewed Journal Articles (\*student, \*\*corresponding, \*\*\*high impact)

1. Chen, X., J. Balliew, C.X. Bauer, J. Deegan, A. Gitter, B.M. Hanson, A.W. Maresso, M.J. Tisza, C.L. Troisi, J. Rios, **K.D. Mena**, and E. Boerwinkle. 2024. Revealing patterns of SARS-CoV-2 variant and evolution using RBD amplicon sequencing of wastewater. Accepted in *Journal of Infection*
2. Conway, S.H., D. Vasquez, **K.D. Mena**, L.D. Brown, S. Kwon, and J. Rios. 2024. COVID-19 risk assessment among vulnerable small business owners in El Paso County, Texas. *Journal of Occupational and Environmental Medicine* PMID: 39322315 doi: 10.1097
3. Idris, M.A., C. Markham, **K.D. Mena**, and W.B. Perkison. 2024. Examining management and employees' perceptions of occupational heat exposure and the effectiveness of a heat stress prevention intervention on safety and well-being among natural gas construction workers: A qualitative field-based study. *International Journal of Environmental Research and Public Health* 21(9):1255. <https://doi.org/10.20944/preprints202408.1410.v1>.
4. Gitter, A., **K.D. Mena**, K.S. Mendez, F. Wu, and C.P. Gerba. 2024. Eye infection risks from *Pseudomonas aeruginosa* via hand soap and eye drops. *Applied and Environmental Microbiology* 90(4), e02119-23, doi: 10.1128/aem.02119-23.
5. Gitter, A.C., D.E. Boellstorff, D.M. Gholson, K.J. Pieper, **K.D. Mena**, K.S. Mendez, and T.J. Gentry. 2023. Texas well user stewardship practices three years after Hurricane Harvey. *Water* 15(22), 3943, <https://doi.org/10.3390/w15223943>.
6. Gitter, A., M. Gidley, **K.D. Mena**, A. Ferguson, C. Sinigalliano, A. Bonacolta, and H. Solo-Gabriele. 2023. Integrating microbial source tracking with quantitative microbial risk assessment to evaluate site specific risk based thresholds at two South Florida beaches. *Frontiers in Microbiology* 14(1210192), <https://doi.org/10.3389/fmicb.2023.1210192>.
7. Oghuan, J., C. Chavarria, S.C. Vanderwal, A. Gitter, A.A. Ojaruega, C. Monserrat, C.X. Bauer, E.L. Brown, S.J. Cregeen, J. Deegan, B.M. Hanson, M. Tisza, H.I. Ocaranza, J. Balliew, A.W. Maresso, J. Rios, E. Boerwinkle, **K.D. Mena**, and F. Wu. 2023. Wastewater analysis suggests unreported Mpox cases in a low-prevalence city: an environmental surveillance study. *The Lancet Regional Health-Americas* 28(100639, doi: 10.1016/j.lana.2023.100639.
8. Tisza, M., S. Javornik Creegen, V. Avadhanula, P. Zhang, T. Ayvaz, K. Feliz, K.L. Hoffman, J.R. Clark, A. Terwilliger, M.C. Ross, J. Cormier, D. Henke, C. Troisi, F. Wu, J. Rios, J. Deegan, B. Hansen, J. Balliew, A. Gitter, K. Zhang, R. Li, C.X. Bauer, **K.D. Mena**, P.A. Piedra, J.F. Petrosino, E. Boerwinkle, and A. Maresso. 2023. Comprehensive wastewater sequencing reveals community and variant dynamics of the collective human virome. *Nature Communications* 14: 6878. doi: 10.1038/s41467-023-42064-1.
9. Gitter, A., **K.D. Mena**, and J.T. Lisle. 2023. Utilizing QMRA to inform ASR treatment practices in a Florida aquifer. *International Journal of Environmental Research and Public Health* 20(19):6833. doi.org/10.3390/ijerph20196833.
10. Phan, T., S. Brozak, B. Pell, J. Oghuan, A. Gitter, T. Hu, R.M. Ribeiro, R. Ke, **K.D. Mena**, A.S. Perelson, Y. Kuang, and F. Wu. 2023. Making waves: Integrating wastewater surveillance with dynamic modeling to track and predict viral outbreaks. *Water Research* 243: 120372.
11. Carswell, N., M. Chittari, B. Yarlagaadda, M. Linden Johnson, C. Lindner, **K. Mena**, and C. Herber-Valdez. 2023. Impact of race/ethnicity, income, and insurance status on

- medical access within a majority Hispanic population located in the United States-Mexico border region. *Texas Public Health Association Journal* 75(3):20-26.
12. Clark, J.R., A. Terwilliger, V. Avadhanula, M. Tisra, J. Cormier, S. Javornik-Creegen, M. Ross, K. Hoffman, C. Troisi, B. Hanson, J. Petrosino, J. Balliew, T. Piedra, J. Rios, J. Deegan, C. Bauer, F. Wu, **K.D. Mena**, E. Boerwinkle, and A.W. Maresso. 2023. Wastewater pandemic preparedness: toward an end-to-end pathogen monitoring program. *Frontiers in Public Health* 11:1137881. doi: 10.3389/fpubh.2023.1137881.
  13. Gitter, A., D.E. Boellstorff, **K.D. Mena**, D.M. Gholson, K.J. Pieper, C.A. Chavarria, and T.J. Gentry. 2023. Quantitative microbial risk assessment for private wells in flood-impacted areas. *Water* 15(3):469. doi.org/10.3390/w15030469.
  14. Gitter, A., C. Bauer, F. Wu, R. Ramphul, C. Chavarria, K. Zhang, J. Petrosino, M. Mezzari, G. Gallegos, A.L. Terwilliger, J.R. Clark, K. Feliz, V. Avadhanula, T. Piedra, K. Weesner, A. Maresso, and **K.D. Mena**. 2023. Assessment of a SARS-CoV-2 wastewater monitoring program in El Paso, Texas from November 2020 to June 2022. *International Journal of Environmental Health Research* doi: 10.1080/09603123.2022.2159017.
  15. Gitter, A., J. Oghuan, A. Rajendra Godbole, C.A. Chavarria, C. Monserrat, T. Hu, Y. Wang, A.W. Maresso, B. Hanson, **K.D. Mena**, and F. Wu. 2022. Not a waste: wastewater surveillance to enhance public health. *Frontiers in Chemical Engineering* 4:1112876. doi: 10.3389/fceng.2022.1112876.
  16. Wu, F., J. Oghuan, A. Gitter, **K.D. Mena**, E.L. Brown. 2022. Wide mismatches in the sequences of primers and probes for monkeypox virus diagnostic assays. *Journal of Medical Virology* doi: 10.1002/jmv.28395.
  17. Phan, T., S. Brozak, B. Pell, A. Gitter, A. Xiao, **K.D. Mena**, Y. Kuang, and F. Wu. 2022. A simple SEIR-V model to estimate COVID-19 prevalence and predict SARS-CoV-2 transmission using wastewater-based surveillance data. *medRxiv* Jul 18;2022.07.17.22277721. doi: 10.1101/2022.07.17.22277721.
  18. Montás\*, L., A.C. Ferguson, **K.D. Mena**, H.M. Solo-Gabriele, and C.B. Paris. 2022. PAH depletion in weathered oil slicks estimated from modeled age-at-sea during the Deepwater Horizon oil spill. *Journal of Hazardous Materials* 440:129767.
  19. Montás\*, L., S. Sen Roy, A.C. Ferguson, **K.D. Mena**, N. Kumar, and H.M. Solo-Gabriele. 2022. Using satellite-based AOD and ground-based measurements to evaluate the impact of the DWH oil spill on coastal air quality. *Marine Pollution Bulletin* 181:113910.
  20. Reynolds, K., M. Verhougstraete, **K. Mena**, S.A. Sattar, E. Scott, and C. Gerba. 2021. Quantifying pathogen infection risks from household laundry practices. *Journal of Applied Microbiology* <https://doi.org/10.1111/jam.15273>.
  21. Ferguson, A., A. Dwivedi, F. Adelabu, E. Ehindero, M. Lamssali, E. Obeng-Gyasi, **K. Mena**, and H. Solo-Gabriele. 2021. Quantified activity patterns for young children in beach environments relevant for exposure to contaminants. *International Journal of Environmental Research and Public Health* 18:3274.
  22. Altomare\*, T., P.M. Tarwater, A.C. Ferguson, H.M. Solo-Gabriele, and **K.D. Mena**. 2021. Estimating health risks to children associated with recreational play on oil spill-contaminated beaches. *International Journal of Environmental Research and Public Health* 18:126.
  23. Xia, J., W. Zhang, A.C. Ferguson, **K.D. Mena**, T.M. Özgökmen, and H.M. Solo-Gabriele. 2021. A novel method to evaluate chemical concentrations in muddy and sandy coastal regions before and after oil exposures. *Environmental Pollution* 269 <https://doi.org/10.1016/j.envpol.2020.116102>.
  24. Zaneti, R.N., V. Girardi, F.R. Spilki, **K. Mena**, A.P.C. Westphalen, E.R. da Costa Colares, A.G. Pozzebbon and R.G. Etchepare. 2021. Quantitative microbial risk assessment of SARS-CoV-2 for workers in wastewater treatment plants. *Science of the Total Environment* 754 <https://doi.org/10.1016/j.scitotenv.2020.142163>.

25. Ferguson, A., K. Rattler, H. Perone\*, A.K. Dwivedi, E. Obeng-Gyasi, **K.D. Mena** and H. Solo-Gabriele. 2020. Soil-skin adherence measures from hand press trials in a Gulf study of exposures. *Journal of Exposure Science & Environmental Epidemiology* <https://doi.org/10.1038/s41370-020-00269-2>.
26. Perone\*, H., K. Rattler, A.C. Ferguson, **K.D. Mena** and H.M. Solo-Gabriele. 2020. Review of methods to determine hand surface area of children less than six years old: a case study. *Environmental Geochemistry and Health* <https://doi.org/10.1007/s10653-020-00699-9>.
27. Tomenchok\*, L.E., M.I. Gidley, **K.D. Mena**, A.C. Ferguson and H.M. Solo-Gabriele. 2020. Children's abrasions in recreational beach areas and a review of possible wound infections. *International Journal of Environmental Research and Public Health* 17:4060.
28. Gitter\*, A., **K.D. Mena**, K.L. Wagner, D.E. Boellstorff, K.E. Borel, L.F. Gregory, T.J. Gentry and R. Karthikeyan. 2020. Human health risks associated with recreational waters: preliminary approach of integrating quantitative microbial risk assessment with microbial source tracking. *Water* 12(2):327. <https://doi:10.3390/w12020327>. (Editor's Choice Award, *Water* journal)
29. Xia, J., W. Zhang, A.C. Ferguson, **K.D. Mena**, T.M. Özgökmen and H.M. Solo-Gabriele. 2020. Use of chemical concentration changes in coastal sediments to compute oil exposure dates. *Environmental Pollution* 259:113858.
30. Montás\*, L., A.C. Ferguson, **K. Mena** and H.M. Solo-Gabriele. 2020. Categorization of nearshore sampling data using oil slick trajectory predictions. *Marine Pollution Bulletin* 150:110577.
31. Ferguson, A., H. Solo-Gabriele, and **K. Mena**. 2020. Assessment for oil spill chemicals: current knowledge, data gaps, and uncertainties addressing human physical health risk. *Marine Pollution Bulletin* 150:110746.
32. Yen, Y.-C., C.-Y. Yang, **K.D. Mena**, Y.-T. Cheng and P.-S. Chen. 2019. Cooking/window opening and associated increases of indoor PM<sub>2.5</sub> and NO<sub>2</sub> concentrations of children's houses in Kaohsiung, Taiwan. *Applied Sciences* 9(20):4306.
33. Ferguson, A., C. Del Donno, E. Obeng-Gyasi, **K. Mena**, T.K. Altomare, R. Guerrero, M. Gidley, L. Montás and H.M. Solo-Gabriele. 2019. Children exposure-related behavior patterns and risk perception associated with recreational beach use. *International Journal of Environmental Research and Public Health* 16(115):2783.
34. Schons Gularte\*, J., V. Girardi\*, M. Demoliner, F. Gil de Souza, M. Filippi, A.K. Antunes Eisen, **K.D. Mena**, D. Muller de Quevedo, C. Rigotto, M. Pereira de Barros and F. Rosado Spilki. 2019. Human mastadenovirus in water, sediment, sea surface microlayer, and bivalve mollusk from southern Brazilian beaches. *Marine Pollution Bulletin*, 142:335-349, <https://doi.org/10.1016/j.marpolbul.2018.12.046>.
35. Yen, Y.-C., C.-Y. Yang, **K.D. Mena**, Y.-T. Cheng, C.-S. Yuan and P.-S. Chen. 2018. Jumping on the bed and associated increases of PM<sub>10</sub>, PM<sub>2.5</sub>, PM<sub>1</sub>, airborne endotoxin, bacteria, and fungi concentrations. *Environmental Pollution* [doi:https://doi.org/10.1016/j.envpol.2018.11.053](https://doi.org/10.1016/j.envpol.2018.11.053).
36. Girardi\*, V., **K.D. Mena**, S.M. Albino, M. Demoliner, J.S. Gularte, F.G. de Souza, C. Rigotto, D.M. Quevedo, V.E. Schneider, S.O. Paesi, P.M. Tarwater and F.R. Spilki. 2018. Microbial risk assessment in recreational freshwaters from southern Brazil. *Science of the Total Environment* 298-308, [10.1016/j.scitotenv.2018.09.177](https://doi.org/10.1016/j.scitotenv.2018.09.177).
37. Medrano-Félix, J.A., C. Chaidez, **K.D. Mena**, M.D.S. Soto-Galindo and N. Castro-del Campo. 2018. Characterization of biofilm formation by *Salmonella enterica* at the air-liquid interface in aquatic environments. *Environmental Monitoring Assessment* 190:221.
38. Altomare\*, T.K. and **K.D. Mena\*\***. 2017. The *Listeria hystera*: risk assessment methods for foodborne listeriosis. *Agro Food Industry Hi Tech* 28(4):56-59.

39. Shayanfar, S., **K.D. Mena** and S.D. Pillai. 2016. Quantifying the reduction in potential infection risks from non-O157 Shiga toxin producing *Escherichia coli* in strawberries by low dose electron beam processing. *Food Control* doi:10.1016/j.foodcont.2016.04.057.
40. Black, J.C., J.N. Welday, B. Buckley, A. Ferguson, P.L. Gurian, **K.D. Mena**, I. Yang, E. McCandlish and H.M. Solo-Gabriele. 2016. Risk assessment for children exposed to beach sands impacted by oil spill chemicals. *International Journal of Environmental Research and Public Health* 13:853-870.
41. Perez, V., **K.D. Mena**, H.N. Watson, R.B. Prater and J.I. McIntyre. 2015. Evaluation and quantitative microbial risk assessment of a unique antimicrobial agent for hospital surface treatment. *American Journal of Infection Control* 43:1201-1207.
42. Regnier\*, A.L., P.L. Gurian and **K.D. Mena**. 2015. Drinking water intake and source patterns within a U.S.-Mexico border population. *International Journal of Environmental Health Research* 25(1):21-32.
43. Chen, Y.-L., Y.-C. Yen, C.-Y. Yang, M.S. Lee, C.-K. Ho, **K.D. Mena**, P.-Y. Wang and P.-S. Chen. 2014. The concentrations of ambient *Burkholderia pseudomallei* during typhoon season in endemic area of melioidosis in Taiwan. *PLOS Neglected Tropical Diseases* 8(5).
44. Martínez-Bastidas, T., N. Castro-del Campo, **K. Mena**, N. Castro-del Campo, J. León-Félix, C. Gerba and C. Chaidez. 2014. Detection of pathogenic microorganisms on children's hands and toys during play. *Journal of Applied Microbiology* 116(6):1668-1675.
45. Praveen, C., B. Dancho, D. Kingsley, K. Calci, G. Meade, **K. Mena** and S. Pillai. 2013. Susceptibility of murine norovirus and hepatitis A virus to electron beam irradiation in oysters and quantifying the reduction in potential infection risks. *Applied & Environmental Microbiology* 79(12):3796-3801.
46. Soto-Beltran\*, M., **K.D. Mena**, C.P. Gerba, P.M. Tarwater, K. Reynolds and C. Chaidez. 2013. Risk assessment of *Listeria monocytogenes* in queso fresco in Culiacan, Mexico. *Journal of Microbiology Research* 3(3):111-116.
47. Betancourt, W.Q. and **K.D. Mena**. 2012. Assessment of waterborne protozoan passage through conventional drinking water treatment process in Venezuela. *Journal of Water and Health* 10.2:324-336.
48. Reynolds, K.A., G.D. Di Giovanni and **K.D. Mena**. 2012. *Cryptosporidium* and *Giardia* zoonoses: minimizing health risks from animal production. *Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources* 7(8):1-7.
49. Espinosa\*, A., P. Jesudhasan, R. Arredondo, M. Cepeda, M. Mazari-Hiriart, **K. Mena** and S. Pillai. 2012. Sensitivity of poliovirus type I chat strain and rotavirus SA-11 to e-beam irradiation on iceberg lettuce and spinach: quantifying the reduction in potential health risks. *Applied & Environmental Microbiology* 78(4):988-993.
50. Magana-Ordorica, D., M. Soto-Beltran, **K.D. Mena**, B. Valdez, J. León-Félix and C. Chaidez. 2010. Relationships between the occurrence of *Giardia* and *Cryptosporidium* and physicochemical properties of marine waters off the pacific coast of Mexico. *Journal of Water and Health* 8(4):797-802.
51. Cardenas, V., **K.D. Mena**, M. Ortiz, S. Karri, E. Variyam, C. Barton Behravesh, K.F. Snowden, A. Flisser, J.R. Bristol, L.F. Mayberry, Y.R. Ortega, Y. Fukuda, A. Campos and D.Y. Graham. 2010. Hyperendemic *H. pylori* and tapeworm infections in a US-Mexico border population. *Public Health Reports* May-June 125:441-447.
52. Travis\*, P.B., K.J. Goodman, K.M. O'Rourke, F.D. Groves, D. Sinha, J.S. Nicholas, J. VanDerslice, D. Lackland and **K.D. Mena**. 2010. The association of drinking water quality and sewage disposal with *Helicobacter pylori* incidence in infants: the potential role of water-borne transmission. *Journal of Water and Health* 8(1):192-203.

53. Flores\*, C., L.C. Mota, C.F. Green, **K.D. Mena**, H.G. Balcazar and S.G. Gibbs. 2009. Evaluation of respiratory symptoms and their possible association with residential indoor bioaerosol concentrations and other environmental influences. *Journal of Environmental Health* 72(4):8-13.
54. Mota\*, A., **K.D. Mena**, M. Soto-Beltran, P.M. Tarwater and C. Chaidez. 2009. Risk assessment of *Giardia* and *Cryptosporidium* in water irrigating fresh produce in Mexico. *Journal of Food Protection* 72(10):2184-2188.
55. **Mena, K.D.** and C.P. Gerba. 2009. Risk assessment of *Pseudomonas aeruginosa* in water. *Reviews in Environmental Contamination and Toxicology* 201:71-115.
56. Corella-Barud, V., **K.D. Mena\*\***, S.G. Gibbs, P.L. Gurian and A. Barud. 2009. Evaluation of neighborhood treatment systems for potable water supply. *International Journal of Environmental Health Research* 19(1):49-58.
57. **Mena, K.D.** and C.P. Gerba. 2009. Waterborne adenovirus. *Reviews in Environmental Contamination and Toxicology* 198:133-167.
58. Bristow\*, Z., **K.D. Mena**, S.G. Gibbs, P.L. Gurian, Z.M. Mulla and T.L. Byrd. 2008. Risk assessment of heterotrophic plate count (HPC) bacteria in potable water sources. *Texas Public Health Journal* 60(4):9-13.
59. **Mena, K.D.**, L.C. Mota, M.C. Meckes, C.F. Green, W.W. Hurd and S.G. Gibbs. 2008. Quantitative microbial risk assessment of a drinking water-wastewater cross-connection simulation. *Journal of Environmental Engineering & Science* 7:525-530.
60. Carrasco\*, L., **K.D. Mena**, L. Mota, M. Ortiz, J.R. Bristol, L. Mayberry, C.E. Barton, S.G. Gibbs and V.M. Cardenas. 2008. Prevalence of potential domestic fecal contamination along the U.S.-Mexico border. *Letters in Applied Microbiology* 46:682-687.
61. Barton\*, C.E., L.F. Mayberry, J.R. Bristol, V.M. Cardenas, **K.D. Mena**, J. Martínez-Ocaña, A. Flisser and K.F. Snowden. 2008. Population-based binational survey of taeniasis presents unexpected findings on the U.S. side of the Texas-Mexico border. *Annals of Tropical Medicine and Parasitology* 102(4):325-333.
62. **Mena, K.D.** and S.D. Pillai. 2008. An approach for developing quantitative risk-based microbial standards for fresh produce. *Journal of Water and Health* 6(3):359-364.
63. Reynolds\*\*\*, K.A., **K.D. Mena** and C.P. Gerba. 2008. Risk of waterborne illness via drinking water in the United States. *Reviews in Environmental Contamination and Toxicology* 192(4):117-158. (Selected by Institute of Medicine as basis for Global Issues in Water Sanitation and Health Forum on Microbial Threats, 2008)
64. Vela Acosta, M.S., D. Sosa\*, M. Sanderson and **K.D. Mena**. 2007. Population growth: adequate predictor of water demand in south Texas? *Texas Public Health Association Journal* 60(1):8-12.
65. Ortega, Y.R., M.P. Torres and **K.D. Mena**. 2007. Prevalence of *Neospora caninum* in three dairy farms in Georgia and two in Texas. *Veterinary Parasitology* 144(3-4):353-355.
66. Ryu, H., A. Alum, **K.D. Mena** and M. Abbaszadegan. 2007. Assessment of the risk of infection by *Cryptosporidium* and *Giardia* in non-potable reclaimed water. *Water Science and Technology* 55(1-2):283-290.
67. Gurian, P.L., G. Camacho, J-Y. Park, S. Cook and **K.D. Mena**. 2006. Evaluating in home water purification methods for communities in Texas on the border with Mexico. *Rev Panam Salud Publica/Pan American Journal of Public Health* 20(6):403-406.
68. Gibbs, S.G., C.F. Green, P.M. Tarwater, L.C. Mota, **K.D. Mena** and P.V. Scarpino. 2006. Isolation of antibiotic-resistant bacteria from the air plume downwind of a swine confined or concentrated animal feeding operation. *Environmental Health Perspectives* 114(7):1-6.



69. O'Rourke, K.M., M.E. Roddy, D. Williams and **K. Mena**. 2005. Predictors of early postpartum vitamin use among women of Mexican origin: implications for healthcare provider recommendations. *Ethnicity & Disease* 16(1):194-200.
70. Roddy, M.E., K.M. O'Rourke and **K. Mena**. 2005. Factors associated with increased risk for acute unintentional childhood poisoning among children living on the U.S.-Mexico border. *International Quarterly of Community Health Education* 23(4):295-309.
71. Chaidez, C., M. Soto, P. Gortares and **K. Mena**. 2005. Occurrence of *Cryptosporidium* and *Giardia* in irrigation water and its impact on the fresh produce industry. *International Journal of Environmental Health Research* 15(5):339-345.
72. **Mena\*\***, **K.D.**, C.P. Gerba, C.N. Haas and J.B. Rose. 2003. Risk assessment of waterborne coxsackievirus. *Journal of the American Water Works Association* 95(7):122-131. (Earned Best Paper Award JAWWA 2005)
73. **Mena, K.D.** Microbial waterborne disease: are we at risk? 2002. *Water Conditioning & Purification* 44(4):38-41.
74. **Crabtree, K.D.**, C.P. Gerba, J.B. Rose and C.N. Haas. 1997. Waterborne adenovirus: a risk assessment. *Water Science and Technology* 35:1-6.
75. Gerba, C.P., J.B. Rose, C.N. Haas and **K.D. Crabtree**. 1996. Waterborne rotavirus: a risk assessment. *Water Research* 30:2929-2940.
76. **Crabtree, K.D.**, R.H. Ruskin, S.B. Shaw and J.B. Rose. 1996. The detection of *Cryptosporidium* oocysts and *Giardia* cysts in cistern water in the U.S. Virgin Islands. *Water Research* 30:208-216.

#### Letters to the Editor & Commentaries

1. Gerrity, D., J.N.S. Eisenberg, C.P. Gerba, K. Ikehata and **K. Mena**. 2024. Correspondence on "Direct potable reuse and birth defects prevalence in Texas." *Environmental Epidemiology* 8:e346.
2. Tisza, M.J., B.M. Hanson, J.R. Clark, L. Wang, K. Payne, M.C. Ross, **K.D. Mena**, A. Gitter, S.J. Javornik Cregeen, J. Cormier, V., Avadhanula, A. Terwilliger, J. Balliew, F. Wu, J. Rios, J. Deegan, P.A. Piedra, J.F. Petrosino, E. Boerwinkle, and A.W. Maresso. 2024. Sequencing-based detection of avian influenza A(H5N1) virus in wastewater in ten cities. *The New England Journal of Medicine* 391(12):1157-1159.

#### Peer-Reviewed Reports

1. Gregory, L.F., B. Hux, T.J. Gentry, A. Gitter, C. Monserrat, E. Casarez and **K. Mena**. 2022. Texas Bacterial Source Tracking Program (FY20-FY21). Texas Water Resources Institute, Technical Report 542.
2. **Mena, K.D.** 2019. Risk Reduction Practices for Growing Produce in Space: *Promoting and Protecting Flight Crew Health*. Johnson Space Center, NASA, Houston, Texas.
3. Schimmoller, L., C. Bellona, R. Danielson, E. Dickenson, E. McDonald and **K. Mena**. 2019. Guidelines for Direct Potable Reuse in Colorado. National Water Research Institute, Fountain Valley, California.
4. **Mena, K.D.** 2012. Quantitative Microbial Risk Assessment: Resolving Risk Reduction Food Safety Challenges for the Space Program. Johnson Space Center, NASA, Houston, Texas.
5. **Mena, K.D.** 2010. Astronauts and Microbes: Building a Quantitative Microbial Risk Assessment Framework. USRA Year-End Report – Phase 4. USRA Subcontract #09940-73. Johnson Space Center, NASA, Houston, Texas.
6. Reynolds, K.A. and **K.D. Mena**. 2009. Quantitative Microbial Risk Assessment of Waterborne Disease. In: Global Issues in Water, Sanitation, and Health: Workshop Summary. E.R. Choffnes and A. Mack, Rapporteurs. Forum on Microbial Threats, Board

on Global Health, Institute of Medicine, ISBN: 0-309-13873-6. National Academies Press, Washington, DC, pp. 201-222.

7. American Academy of Microbiology. 2007. Clean Water, What is Acceptable Microbial Risk? Clean Water Colloquium Report, Washington, DC.
8. Di Giovanni, G. and **K.D. Mena**. 2007. Optimization of Host Cell Capture and Quantitative Polymerase Chain Reaction (HCC-qPCR) for the Rapid Detection of Potentially Infectious Viruses in Water, American Water Works Association Research Foundation (AwwaRF), Project Report No. 2992, Denver, CO.

### **Peer-Reviewed Book Chapters & Conference Proceedings**

1. **Mena, K.D.** 2017. Measuring and minimizing health impacts of foodborne viruses: a targeting tool for risk reduction. In: Foodborne Viral Pathogens. P. White and G. Hansman, Eds. CRC Press, Boca Raton, Florida.
2. Gerba, C.P. and **K.D. Mena**. 2007. Risk assessment of waterborne adenoviruses. In: Proceedings of the 2007 World Congress on Ozone and Ultraviolet Technologies. International Ultraviolet Association, Los Angeles, California.
3. **Mena, K.D.** Waterborne viruses: assessing the risks. 2007. In: Human Viruses in Water, A. Bosch, Ed. Elsevier LTD, London.
4. **Mena, K.D.** 2006. Produce quality and foodborne disease: assessing water's role. In: Microbial Hazard Identification in Fresh Fruits and Vegetables. J.A. James, Ed. John Wiley & Sons, Inc., Hoboken, NJ.
5. **Mena, K.D.** 2006. Risk assessment of parasites in food. In: Foodborne Parasites. Y. Ortega, Ed. Kluwer Academic/Plenum Publishers, New York, NY.
6. **Mena, K.D.**, J.B. Rose and C.P. Gerba. 2004. Addressing food safety issues quantitatively: a risk assessment approach. In: Pre-Harvest and Post-Harvest Food Safety: Contemporary Issues and Future Directions. R.C. Beier, S.D. Pillai, T.D. Phillips and R.L. Ziprin, Eds. Blackwell Publishing, Ames, IA.
7. **Mena, K.D.** 2002. Environmental exposure to viruses: a human health risk assessment methodology. In: The Encyclopedia of Environmental Microbiology. John Wiley & Sons, Inc., New York, NY.
8. **Crabtree, K.D.**, C.P. Gerba, J.B. Rose and C.N. Haas. 1995. Risk assessment of waterborne rotavirus and coxsackievirus. In: Proceedings of the 1995 Water Quality and Technology Conference. American Water Works Association, New Orleans, LA, pp. 789-807.

### **Other Conference Proceedings & Published Abstracts**

1. Clean Water for All Texans (Santiago, I., I. Gust, J. Concha, **K.D. Mena**, S. Walker and A. Mayer), 2022 COURI Summer Symposium, August 2022.
2. Mitigating Health Risks Using Water Filtration Devices (Lerma\*, M., I. Santiago and K.D. Mena), BUILDing SCHOLARS Symposium Abstracts, UTEP, Fall 2019.
3. Roman, M.C. and **K.D. Mena**. 2011. Monitoring of microbial loads during long duration missions as a risk reduction tool. Paper for the 5<sup>th</sup> International Association for the Advancement of Space Safety (IAASS) Conference, Versailles-Paris, France. October 17-19, 2011.
4. Di Giovanni, G.D., L.Y. Sifuentes and **K.D. Mena**. 2007. Host cell capture quantitative PCR detection of viruses. Proceedings of the American Water Works Association Water Quality Technology Conference, [on CD-ROM]. American Water Works Association, Denver, Colorado.
5. Gurian, P., V. Martinez, **K. Mena**, S. Cook, V. Corella-Barud, A. Barud and J. Graham. 2006. Water supply solutions for peri-urban areas: El Paso-Ciudad Juarez as a

laboratory. Abstract to the American Water Works Association Annual Conference and Exposition.

6. Roddy, M., K. O'Rourke and **K. Mena**. 2004. Risk factors associated with increased risk for unintentional childhood poisoning among children living on the U.S./Mexico border. Abstracts of the 37th Annual Meeting of the Society for Epidemiologic Research, Salt Lake City, UT, June 15-18. *American Journal of Epidemiology* 159(11).
7. Roddy, M., K. O'Rourke and **K. Mena**. 2004. Risk factors associated with increased risk for unintentional childhood poisoning among children living on the U.S./Mexico border. Abstracts of the Society for Perinatal and Pediatric Epidemiology. *Journal of the Society for Paediatric and Perinatal Epidemiology*.
8. Goodman, K.J., K. O'Rourke, R.S. Day, C. Wang, **K. Mena**, A. Campos and J.M. de la Rosa. 2003. *Helicobacter pylori* infection rates in the first three years of life: U.S.-Mexico cohort study. *American Journal of Epidemiology* 157(11):S47.
9. **Mena, K.D.**, Editor of Conference Proceedings. 1999. The Road Less Traveled: Understanding & Addressing Groundwater Risks. Proceedings of the 15<sup>th</sup> Annual Groundwater Foundation Fall Symposium. Atlanta, GA.
10. **Mena, K.D.**, C.P. Gerba, C.N. Haas and J.B. Rose. 1999. Waterborne disease: are we at risk? A risk assessment exercise using waterborne coxsackievirus. In: The Road Less Traveled: Understanding & Addressing Groundwater Risks. Proceedings of the 15<sup>th</sup> Annual Groundwater Foundation Fall Symposium. Atlanta, GA, pp. 56-64.
11. Sargeant, J.M., J.R. Gillespie, R.D. Oberst, D.J. Hafer and **K.D. Mena**. 1998. Dynamics of *Escherichia coli* O157:H7 infection in range animals. In: Abstracts of the 79<sup>th</sup> Annual Meeting of the Conference of Research Workers in Animal Diseases. Chicago, IL.
12. Mosier, D.A. and **K.D. Crabtree**. 1998. Infectious waterborne diseases. In: Proceedings of the 60<sup>th</sup> Annual Conference for Veterinarians. College of Veterinary Medicine, Kansas State University, Manhattan, KS.
13. **Crabtree, K.D.**, R.H. Ruskin, S.B. Shaw and J.B. Rose. 1993. The detection of *Cryptosporidium* oocysts and *Giardia* cysts in cistern water in the U.S. Virgin Islands. In: Abstracts of the 93<sup>rd</sup> General Meeting of the American Society for Microbiology. American Society for Microbiology, Atlanta, GA.
14. **Crabtree, K.D.**, R.H. Ruskin, S.B. Shaw and J.B. Rose. 1993. The detection of *Cryptosporidium* oocysts and *Giardia* cysts in cistern water in the U.S. Virgin Islands. In: Proceedings of the 1993 Conference on Water Quality in the Western Hemisphere, Abstract No. 23. San Juan, PR.

#### **RESEARCH – Invited Presentations** (\*student)

1. Flood Management for Private Wells: *Utilizing QMRA and Survey Approaches to Understand Well User Health Risks and Practices after Hurricane Harvey*. (Gitter, A., D.E. Boellstorff, **K.D. Mena**, D.M. Gholson, K.J. Pieper, C.A. Chavarria and T.J. Gentry), 2023 Universities Council on Water Resources/National Institutes of Water Resources Conference, Fort Collins, Colorado, June 2023.
2. Wisdom from Wastewater: Lessons Learned from a SARS-CoV-2 Wastewater Monitoring Program. (Gitter, A., F. Wu, C. Bauer, C. Chavarria and K.D. Mena), 2023 Mississippi Water Resources Conference, Jackson, MS, March 2023.
3. Risk Reduction Practices for Growing Produce in Space. (Mena, K.D.), NASA Crop Food Safety Workshop, Virtual, November 2022.
4. Quantitative Microbial Risk Assessment of Recreational Beaches Impacted by Human, Dog, and Gull Fecal Sources. (Gitter, A., M. Gidley, C. Sinigalliano, H. Solo-Gabriele and K.D. Mena), Universities Council on Water Resources/National Institutes of Water Resources Conference, Greenville, SC, June 2022.

5. Resiliency Redefined: Building Bridges Between Water Experts and the Public Health Community (Mena, K.D. and D.J. Petersen), Oral Presentation, American Public Health Association Annual Meeting & Expo, Denver, Colorado, 2021.
6. Using QMRA (Quantitative Microbial Risk Assessment) to Determine Relative Human Health Risks Associated with Recharged Water at ASR Facilities (Mena, K.D.), Managing Florida's Aquifers: Annual Conference, Orlando, Florida, September 29, 2021.
7. Water Reuse: *What are the Risks?* (Mena, K.D. and K. Mendez\*), Pediatric Environmental Health Grand Rounds, Southwest Center for Pediatric Environmental Health Region 6, Texas Tech University Health Sciences Center El Paso, Webinar, July 15, 2021.
8. Environmental Exposures: *What Is Water's Role?* (Mena, K.D.), Universities Council on Water Resources/The National Institutes for Water Resources, Special Session, June 8, 2021.
9. Determination of Oil Spill Chemical Concentration in Nearshore Matrices. (Montás\*, L., A. Ferguson, K. Mena and H. Solo-Gabriele), Poster Presentation, International Oil Spill Conference, Virtual, May10-14, 2021.
10. WateReuse 2021: *What Are the Risks to Resiliency?* (Mendez\*, K. and K.D. Mena), WateReuse Association, Webinar, February 17, 2021.
11. Human Health Risks Associated with Pathogens in Aquifer Zones Targeted for Aquifer Storage and Recovery (ASR). (K.D. Mena and J.T. Lisle), Oral Presentation, American Water Works Association Virtual Summit (Sustainable Water, PFAS, Waterborne Pathogens), February 10-11, 2021.
12. Returning to Work Safely Amid the COVID-19 Pandemic, Virtual Conference – Charlotte Regional Safety and Health, November 17, 2020.
13. SARS-CoV-2: The #1 Pandemic Driver, Virtual Conference – Greater Houston Industrial Hygiene Council, October 15, 2020.
14. Workplace Safeguards – COVID-19, Virtual Conference – ASSP Region VI 2020 33<sup>rd</sup> Annual Professional Development Conference, American Society of Safety Professionals, Region VI, September 9, 2020.
15. Environmental Exposures: *What Is Water's Role?* Oral Presentation, 2020 UCOWR/NIWR, Universities Council on Water Resources (UCOWR), Minneapolis, MN, June 9-11, 2020, postponed due to pandemic.
16. Application of Risk Assessment Modeling for Chemicals Found in Shoreline Contamination from an Oil Spill. (Altomare\*, T., P.M. Tarwater, A. Ferguson, H. Solo-Gabriele and K.D. Mena), Oral Presentation, Gulf of Mexico Oil Spill & Ecosystem Science Conference, Tampa, FL, 2020.
17. Use of Chemical Concentration Changes in Coastal Sediments to Compute Oil Impact Dates and Regions. (Xia\*, J., W. Zhang, A. Ferguson, K.D. Mena, T.M. Ozgokmen and H.M. Solo-Gabriele), Poster Presentation, Gulf of Mexico Oil Spill & Ecosystem Science Conference, Tampa, FL, 2020.
18. Quantified Videotaped Exposure Activities for 122 Children from Beach Play. (A. Ferguson, A. Dwivedi, F. Adelabu, E. Ehindero, K. Brown, D. Hood, K. Mena and H. Solo-Gabriele), Oral Presentation, Gulf of Mexico Oil Spill & Ecosystem Science Conference, Tampa, FL, 2020.
19. Skin-Sand Adherence Estimated from Hand Press and Body Rinses for Children at Beaches Relevant for Exposure Estimates. (A. Ferguson, K. Rattler, H. Perone, A. Dwivedi, F. Adelabu,, E. Obeng-Gyasi, K. Mena, M. Roca, L. Tomenchok, L. Montás, M. Gidley and H. Solo-Gabriele), Oral Presentation, Gulf of Mexico Oil Spill & Ecosystem Science Conference, Tampa, FL, 2020.
20. Assessment of Fecal Indicator Bacteria and Potential Pathogens from Multiple Beach Substrates During the BEACHES Project. (M. Gidley, H. Solo-Gabriele, A. Abdool-

- Ghany, A. Bonacolta, A. Ferguson, K. Mena and C. Sinigalliano), Poster Presentation, Gulf of Mexico Oil Spill & Ecosystem Science Conference, Tampa, FL, 2020.
21. Characterization of the Incidence of Children Presenting With and Acquiring New Skin Abrasions during the BEACHES Study. (M. Gidley, L. Tomenchok, A. Ferguson, K. Mena, T. Uppal, R. Guerrero, L. Montás and H. Solo-Gabriele), Oral Presentation, Gulf of Mexico Oil Spill & Ecosystem Science Conference, Tampa, FL, 2020.
  22. A 3D-Fate and Transport Model Explains Measured Changes in PAH Concentrations from Beached Oil. (L. Montás, C.B. Paris, A. Ferguson, K. Mena and H. Solo-Gabriele), Oral Presentation, Gulf of Mexico Oil Spill & Ecosystem Science Conference, Tampa, FL, 2020.
  23. Changes in Remotely Sensed Aerosol Optical Depth from the DWH Oil Spill. (L. Montás, H. Solo-Gabriele, A. Ferguson, K. Mena and N. Kumar), Poster Presentation, Gulf of Mexico Oil Spill & Ecosystem Science Conference, Tampa, FL, 2020.
  24. Quantitative Microbial Risk Assessment of Contaminated Private Wells Impacted by Hurricane Harvey Flooding. (Gitter\*, A., T. Gentry, K.D. Mena, D.E. Boellstorff, L. Gregory and D. Gholson), Poster Presentation, Water and Health Conference, Chapel Hill, NC, 2019.
  25. Categorization of Nearshore Sampling Data by Integrating Oil Slick Trajectory Predictions used during Response Operations. (Montás\*, L., A. Ferguson, K. Mena and H. Solo-Gabriele), Oral Presentation, 25th Biennial Coastal and Estuarine Research Federation Conference, Mobile, AL, 2019.
  26. Children Beach Activities Related to Exposure to Oil Spill Chemicals. (Altomare\*, T., P. Tarwater, A. Ferguson, H. Solo-Gabriele and K.D. Mena), Oral Presentation, American Public Health Association Annual Meeting, Philadelphia, PA, 2019.
  27. Anthropogenic and Natural Disasters Impact on Coastal Recreational Beach Use. (Solo-Gabriele, H., N. Kumar, A. Ferguson and K. Mena), Poster Presentation, Fall Meeting of the American Geophysical Union, San Francisco, CA, 2019.
  28. Making the Pitch: How to Talk to Elected Officials and Potential Industry Customers about the Value of Water Recycling. 34<sup>th</sup> Annual WaterReuse Symposium, San Diego, CA, September 8-11, 2019.
  29. A QMRA Approach to Assess the Human Health Risks Associated with Microbial Contamination of Private Wells. (Gitter\*, A., T. Gentry, K.D. Mena, D.E. Boellstorff and L. Gregory), Oral Presentation, Southern Region Water Conference, College Station, TX, 2019.
  30. Human Health – Based Policy: A Risk Assessment Approach. Oral Presentation, Two Nations One Water US-Mexico Border Water Summit 2019, Las Cruces, NM, 2019.
  31. Water Reuse in El Paso. (Mena, K.), Panel Presentation, Local Progress Texas, Austin, TX, 2019.
  32. Difficult Dialogues in Higher Education: Race, Racial Justice, Civil Discourse, and Free Speech. Panel Speaker, 2019 ASPPH Annual Meeting, Arlington, VA, 2019.
  33. Child Health Risks Associated with Beach Exposure Following Oil Spills: *A Risk Assessment Approach*. Oral Presentation/Session Opening Speaker, Session co-Organizer, Gulf of Mexico Oil Spill & Ecosystem Science Conference, New Orleans, LA, 2019.
  34. Human Health Risk Assessment for Children Playing at Beaches following an Oil Spill. (Altomare\*, T. P. Tarwater, A. Ferguson, H. Solo-Gabriele, M. Gidley and K. Mena), Oral Presentation, Gulf of Mexico Oil Spill & Ecosystem Science Conference, New Orleans, LA, 2019.
  35. Video-Translation Data to look at Micro-Activities for Children During Beach Play. (A.C. Ferguson, K. Rattler, D. Hood, L. Clark, C. Del Donno, K. Mena and H. Solo-Gabriele),

- Oral Presentation, Gulf of Mexico Oil Spill & Ecosystem Science Conference, New Orleans, LA, 2019.
36. Beach Survey Results to look at Macro-Activities for Children Exposures to OSCs. (A. Ferguson, C. Del Donno, E. Obeng-Gyasi, K. Mena, M. Gidley, T. Altomare, R. Guerrero and H. Solo-Gabriele), Oral Presentation, Gulf of Mexico Oil Spill & Ecosystem Science Conference, New Orleans, LA, 2019.
  37. Integrating the Results from a Fate and Transport Model in the Interpretation of Oil Spill Concentration Distributions within Nearshore Environmental Samples. (L. Montás\*, A. Ferguson, K. Mena and H. Solo-Gabriele), Oral Presentation, Gulf of Mexico Oil Spill & Ecosystem Science Conference, New Orleans, LA, 2019.
  38. Protocol for Collecting Child Activity Data at Beach Sites. (H. Solo-Gabriele, A. Ferguson, K. Mena, M. Gidley, T. Uppal and R. Guerrero), Oral Presentation, Gulf of Mexico Oil Spill & Ecosystem Science Conference, New Orleans, LA, 2019.
  39. Integrating Oil Spill Trajectory Simulations to Guide Estimates of Human Exposure. (H. Solo-Gabriele, A. Ferguson and K. Mena), Oral Presentation, Gulf of Mexico Oil Spill & Ecosystem Science Conference, New Orleans, LA, 2019.
  40. Dermal Sand Adherence During Hand Press Trials. (Rattler\*, K., A. Ferguson, H. Perone, E. Obeng-Gyasi, K. Mena, M. Gidley, R. Guerrero and H. Solo-Gabriele), Poster Presentation, Gulf of Mexico Oil Spill & Ecosystem Science Conference, New Orleans, LA, 2019.
  41. Distribution of Oil Spill Chemicals in Nearshore Beach Environment. (Solo-Gabriele, H., A. Ferguson, K. Mena, M. Gidley, R. Guerrero, N. Kumar and P. Tarwater), Oral Presentation, Gulf of Mexico Oil Spill & Ecosystem Science Conference, New Orleans, LA, 2018.
  42. Videotaping and Videotranslation Techniques to Improve Children's Risk Assessment. (Ferguson, A., H. Solo-Gabriele, K. Mena, M. Gidley, R. Guerrero, N. Kumar and P. Tarwater), Oral Presentation, Gulf of Mexico Oil Spill & Ecosystem Science Conference, New Orleans, LA, 2018.
  43. Human Health Risk Assessment for Children Playing at Beaches Following an Oil Spill. (Mena, K., H. Solo-Gabriele, A. Ferguson, M. Gidley, R. Guerrero, N. Kumar and P. Tarwater), Oral Presentation, Gulf of Mexico Oil Spill & Ecosystem Science Conference, New Orleans, LA, 2018.
  44. Framework for Assessing Oil Spill Chemical Risk Assessment During Beach Play. (Solo-Gabriele, H., A. Ferguson, K. Mena, M. Gidley, R. Guerrero, N. Kumar and P. Tarwater), Poster Presentation, Gulf of Mexico Oil Spill & Ecosystem Science Conference, New Orleans, LA, 2018.
  45. Preventing Waterborne Disease: What's Our Role? Leadership Women National Conference. Dallas, TX, July 27-29, 2017.
  46. Water Quality and Diabetes. Center of Emphasis in Diabetes and Metabolism at the Paul L. Foster School of Medicine, Texas Tech University Health Sciences Center, El Paso, TX, May 30, 2017.
  47. Children and Waterborne Disease: *What Are the Risks?* Children's Environmental Health US/Mexico Border Symposium. Texas Tech Health Sciences Center/USEPA, El Paso, TX, September 24-25, 2015.
  48. Improved Public Health Guidance for Beach Use During and After Oil Spills. (Mena, K., B. Kirkpatrick and H. Solo-Gabriele.) Gulf of Mexico Oil Spill & Ecosystem Science Conference. Houston, TX, February 16-19, 2015.
  49. Moderator, National Institute on Minority Health & Health Disparities Grantees' Conference. Transdisciplinary Collaborations: Evolving Dimensions of US and Global Health Equity. National Harbor, MD, December 1-3, 2014.

50. Paying it Forward: Educating the Next Generation of Public Health Educators Through Community Engagement and Dissemination. (Davis, S., H. Mata, K. Mena and K. Hernandez.) Science of Eliminating Health Disparities Summit. National Harbor, MD, December 17-19, 2012.
51. Forging New Frontiers on the U.S./Mexico Border Through Community Engagement and Outreach. (Davis, S., H. Mata, K. Mena and K. Hernandez.) 63<sup>rd</sup> Annual Meeting of the Society for Public Health Education. San Francisco, CA, October 25-27, 2012.
52. Enhancing Health Promotion Through Innovative Mentoring Strategies. (Hernandez, K., S. Ungos, A. Lechuga, H. Mata, S. Davis and K. Mena.) 63<sup>rd</sup> Annual Meeting of the Society for Public Health Education. San Francisco, CA, October 25-27, 2012.
53. Quantitative Risk Assessment: Promoting Public Health through Membrane Technology. American Membrane Technology Association (AMTA) Technology Transfer Workshop. El Paso, TX, December 7–9, 2010.
54. Risk Assessment: Whole System Analysis. Water Quality Technology Conference. Seattle, WA, November 15-19, 2009. (Unable to Attend)
55. Risk Assessment Approaches for Food Safety. International Conference on New Horizons in Biotechnology. Trivandrum, India, November 26-29, 2007. (Unable to Attend)
56. Assessment of Microbial Exposures from Water: Appropriate Strategies for Risk-Based Protection of Public Health. International Society of Exposure Analysis Annual Conference. Durham/Research Triangle Park, NC, October 14-18, 2007.
57. Waterborne and Foodborne Disease: Are We At Risk? Our Changing World Lecture Series, The University of Texas at El Paso Center for Lifelong Learning. El Paso, TX, April 2007.
58. Waterborne Pathogens: An Overview of the Threat. The Groundwater Foundation Annual Symposium. **Keynote Speaker.** East Lansing, MI, November 2006.
59. University of Wisconsin-Madison, School of Medicine and Public Health, Department of Population Health Sciences. Madison, WI, February 2006.
60. Foodborne and Waterborne Disease: Are We At Risk? Texas Department of State Health Services El Paso, TX, January 2006.
61. Developing Risk-based Microbial Standards for Irrigation Water. International Society of Exposure Analysis Annual Meeting. Tucson, AZ, October 2005.
62. Healthy Beaches and Microbes: How Quantitative Microbial Risk Assessment Can Assist in the Closure Decision Process. Clean Beaches Council, 2005 Sustainable Beaches Conference. St. Petersburg, FL, October 2005. (Dr. John Lisle, U.S. Geological Survey, presented on my behalf due to scheduling conflict with above presentation).
63. Groundwater Vulnerability: A Public Health Perspective. 20<sup>th</sup> Annual Groundwater Foundation Conference. Washington, D.C., November 2004.
64. Parasitic Foodborne Disease: Assessing the Risks. University of Georgia, Center for Food Safety Food Safety Workshop: Parasites in Meats and Fresh Produce. Griffin, GA, July 2004.
65. Panel of Epidemiological Bi-National Studies of Enteric Infectious Disease in the El Paso Norte Region. United States-Mexico Border Health Association, 62<sup>nd</sup> Annual Meeting. Autonomous University of Ciudad Juarez, Institute of Biomedical Sciences. Ciudad Juarez, Chihuahua, Mexico, June 2004.
66. Public Health on the Border: The Paso del Norte Region. SCERP Watershed Vulnerability Project, Experts Panel Workshop, New Mexico State University. Las Cruces, NM, October 2003.
67. Food Quality and Foodborne Disease: Assessing Water's Role. International Association for Food Protection, 90<sup>th</sup> Annual Meeting. New Orleans, LA, August 2003.

68. Parasitic Foodborne Disease: Assessing the Risks. University of Georgia, Center for Food Safety Food Safety Workshop: Parasites in Meats and Fresh Produce. Griffin, GA, July 2003.
69. Microbial Waterborne Disease: Are We At Risk? The University of Texas Health Science Center at Houston, School of Public Health, Brownsville Campus. Brownsville, TX, June 2003.
70. Microbial Waterborne Disease: Are We At Risk? Ciclo de Conferencias Sobre Contaminacion del Agua, Universidad Autonoma de Sinaloa. Culiacan, Sinaloa, Mexico, March 2003.
71. HACCP: How Are Consumers Currently Protected? Centro de Investigacion en Alimentacion y Desarrollo, A.C. Fisiologia y Tecnologia Poscosecha de Frutas, Hortalizas y Granos. Culiacan, Sinaloa, Mexico, February 2003.
72. Microbial Waterborne Disease: Are We At Risk? Army & Air Force Exchange Service Grünstadt, Germany, August 2002.
73. Parasitic Foodborne Disease: Are We At Risk? University of Georgia, Center for Food Safety, Parasitic Food Safety Workshop. Griffin, GA, July 2002.
74. Waterborne Disease: Are We At Risk? New Mexico State University, Biology Seminar Series. Las Cruces, NM, March 2002.
75. Environmental Science and Engineering Ph.D. Program, The University of Texas at El Paso. El Paso, TX, October 2001.
76. Waterborne Disease: Are We At Risk? The New Mexico Regional Honors Institute, Dona Ana Branch Community College. Las Cruces, NM, October 2000.
77. Waterborne Disease: Are We At Risk? 15th Annual Groundwater Foundation Fall Symposium. Atlanta, GA, November 1999.
78. Waterborne Disease: Are We At Risk? The National Food Safety and Toxicology Center, Michigan State University. Lansing, MI, December 1998.
79. Detecting *Escherichia coli* O157:H7 Using Cultural and Molecular Methodologies. National Cattlemen's Beef Association, Kansas State University. Manhattan, KS, August 1998.
80. Risk Assessment of Waterborne Coxsackievirus and Rotavirus. American Society for Microbiology, Workshop Faculty. Miami, FL, May 1997.

## **RESEARCH – Other Presentations**

1. Mitigating Health Risks Using Water Filtration Devices (Lerma\*, M., I. Santiago and K.D. Mena), BUILDing SCHOLARS Symposium, UTEP, Fall 2019.
2. Microbial Health Risk Analysis of Drinking Water in the US/Mexico Border Colonias (Bencomo\*, M., K.D. Mena and I. Santiago), UTEP COURI Symposium, Spring 2019.
3. Exercise and the Social Environment: Factors Affecting Hispanic Women Living in the US/Mexico Border Region (Wise Thomas, S., D. deHeer, J. Salinas, K. Mena, A.H. Redelfs and H. Balcazar) American Public Health Association Annual Meeting & Expo. Denver, Colorado. October 29-November 2, 2016.
4. A Basic Scientist's Evolution to Community Engaged Research: Lessons Learned. Poster Presentation by K.D. Mena and S. Davis. National Institute on Minority Health & Health Disparities Grantees' Conference. Transdisciplinary Collaborations: Evolving Dimensions of US and Global Health Equity. National Harbor, Maryland. December 1-3, 2014.
5. Integrating Community Engagement in a Border Biomedical Research Center. Poster Presentation by S. Davis and K.D. Mena. National Institute on Minority Health & Health Disparities Grantees' Conference. Transdisciplinary Collaborations: Evolving Dimensions of US and Global Health Equity. National Harbor, Maryland. December 1-3, 2014.



6. Biology Senior Seminar, University of Texas at El Paso, El Paso, TX July 2014.
7. *Helicobacter pylori*, Protozoa, Helminths and Household Hygiene in a Binational Sample of a US-Mexico Border Population. Oral Presentation by V.M. Cardenas. 136<sup>th</sup> APHA Annual Meeting and Exposition, San Diego, CA, October 2008.
8. Cross-sectional Analysis of *Helicobacter pylori* Infection and Growth in a Cohort of Children in the US/Mexico Border. Poster Presentation by V.M. Cardenas. 136<sup>th</sup> APHA Annual Meeting and Exposition, San Diego, CA, October 2008.
9. *Helicobacter pylori*, Protozoa, Helminths and Household Hygiene in a Binational Sample of a US-Mexico Border Population. Poster Presentation by V.M. Cardenas. US-Mexico Forum on Infectious Disease, El Paso, TX, April 2008.
10. Risk Assessment of Waterborne Adenoviruses. Oral Presentation by C.P. Gerba. World Congress on Ozone and Ultraviolet Technologies, International Ultraviolet Association, Los Angeles, CA, August 2007.
11. Evaluation of Respiratory Symptoms and their Possible Association with Residential Indoor Bioaerosol Concentrations and other Environmental Influences. Poster Presentation by C.M. Flores, student. Society for Advancement of Chicanos and Native Americans in Science, Research Exposition 2007, The University of Texas at El Paso. El Paso, TX. April 2007.
12. Prevalence of *Neospora caninum* in Three Dairy Farms in Georgia and Two in Texas. Poster Presentation by Y.R. Ortega. Center for Food Safety Annual Meeting, University of Georgia, Atlanta, GA. February 2007.
13. Bioaerosols: An Introduction and Overview of Some Current Research. Oral Presentation by S.G. Gibbs. Department of Botany and Microbiology Symposium, Faculty of Science, Cairo University. Dokki, Giza, Egypt. November 2006.
14. Bioaerosol Migration from Confined Animal Feeding Operations. Oral Presentation by S.G. Gibbs. Air Pollution Department Symposium. National Research Centre. Dokki, Giza, Egypt. November 2006.
15. Risk Factors Associated with Increased Risk for Unintentional Poisoning Among Children Living on the U.S./Mexico Border. Poster Presentation. Society for Epidemiologic Research, 37<sup>th</sup> Annual Meeting. Salt Lake City, UT. June 2004.
16. Risk Factors Associated with Increased Risk for Unintentional Poisoning Among Children Living on the U.S./Mexico Border. Poster Presentation. Society for Perinatal and Pediatric Epidemiology. Salt Lake City, UT. June 2004.
17. Factors Associated with Acute Unintentional Childhood Poisonings Among Children Living on the U.S.-Mexico Border. Poster Presentation. Center for Border Health Research, Paso del Norte Health Foundation, El Paso, TX. November 2003.
18. Factors Associated with Increased Risk of Poisoning Among Children Living on the U.S./Mexico Border. Poster Presentation. American Public Health Association, 131<sup>st</sup> Annual Meeting. San Francisco, CA. November 2003.
19. *Helicobacter pylori* Infection Rates in the First Three Years of Life: U.S.-Mexico Cohort Study. Presentation. Society for Epidemiologic Research, 36<sup>th</sup> Annual Meeting. Atlanta, GA. June 2003.
20. Quantitative Risk-based Microbial Standards for Irrigation Water Quality. Poster. Presentation. American Society for Microbiology, 103<sup>rd</sup> General Meeting. Washington, D.C. May 2003.
21. Evaluation of Models Used in Assessing the Public Health Impact Microorganisms in Water. Seminar Speaker with Dr. Melchor Ortiz. The University of Texas Health Science Center at Houston, School of Public Health, El Paso Campus. El Paso, TX. October 2002.
22. Speaker. The University of Texas Health Science Center at Houston, School of Public Health, El Paso Campus. El Paso, TX. August 2000.

23. Waterborne Adenovirus: A Risk Assessment. Speaker. International Association on Water Quality Health-Related Water Microbiology. Mallorca, Spain. October 1996.
24. Proposed Plan of Analyses of Archived Water Samples: Which Viruses Are Threatening Our Health? Fellowship Presentation. 1996 AAAS/EPA Summer Fellow Presentations, Environmental Science & Engineering Fellowship American Association for the Advancement of Science/United States Environmental Protection Agency. Washington, D.C. August 1996.
25. American Society for Microbiology, 35th Annual Arizona Branch. Tucson, AZ. February 1996.
26. Risk Assessment of Waterborne Rotavirus and Coxsackievirus. Water Quality Technology Conference Enhancing Water Quality: Source to Tap. New Orleans, LA. November 1995.
27. American Society for Microbiology, 33rd Annual Arizona Branch. Tempe, AZ. April 1994.
28. Speaker. Arizona Environmental Studies Conference. Flagstaff, AZ. March 1994.
29. The Detection of *Cryptosporidium* Oocysts and *Giardia* Cysts in Cistern Water in the U.S. Virgin Islands. Poster Presentation. American Society for Microbiology, 93<sup>rd</sup> General Meeting. Atlanta, GA. May 1993.
30. The Detection of *Cryptosporidium* Oocysts and *Giardia* Cysts in Cistern Water in the U.S. Virgin Islands. Conference on Water Quality in the Western Hemisphere. San Juan, PR. April 1993.
31. Speaker. American Society for Microbiology, Florida Branch. Orlando, FL. February 1993.
32. Speaker. Suncoast Biotech Conference. Tampa, FL. October 1992.

## RESEARCH – Funding

### Current

Co-Investigator, Center for Clinical and Translational Sciences (CCTS 2024-2031), (Total cost: \$54,636,752; Percent effort: 5%), Project period: 7/24/2024-6/30/2021.

### Previous Funding

Co-Principal Investigator, Evaluating Source-Specific Health Risks of Fecal Pollution in Little Bay, Texas General Land Office Coastal Management Program, (Total cost: \$87,633; Percent effort: 2%, PI: Texas A&M AgriLife/Texas Water Resources Institute), Project period: 2022-2024.

Co-Principal Investigator, Improving Community Health: MST and QMRA on the Texas Coast, Improving Community Health through Microbial Source Tracking (EPA-GM-2021-MST), (Total cost: \$494,348; Percent effort: 3%, PI: Texas A&M University-Corpus Christi), Project period: 2022-2024.

Co-Investigator, Texas Bacterial Source Tracking (FY23-24), Texas State Soil and Water Conservation Board, (Total cost: \$646,154; Percent effort: 3%, Co-PIs: Texas A&M AgriLife/ Texas Water Resources Institute and Texas A&M University), Project period: 2022-2024.

Principal Investigator, Children's Healthy Learning Environments, United States Environmental Protection Agency, (Total cost: \$104,588; Percent effort: 2%), Project period: 5/01/2022 - 8/31/2024.

Co-Investigator, Texas Epidemic Public Health Institute (TEPHI), State of Texas, (Percent effort: 30%), Project period: 11/08/2021 - 11/07/2023.

Co-Principal Investigator, P2R Consortium: El Paso COVID-19 Recovery Training, NIH National Institute of Environmental Health Sciences (NIEHS), (Total cost: \$249,873 Year 1, \$248,816 Year 2; Percent effort: 15%), Project period 1: 03/31/2021 - 05/31/2023.

Co-Investigator, Texas Vaccine Outreach, CDC, (Total cost: \$299,305; Percent effort: 4%, PI: Texas A&M University), Project period: 11/23/2021 – 03/31/2023.

Co-Investigator, Texas Bacterial Source Tracking, Texas State Soil and Water Conservation Board, (Total cost: \$141,928; Percent effort: 3%), Project period: 04/01/20 - 05/31/22.

Principal Investigator, Engaging Businesses in the City of El Paso's Contact Tracing Program, Paso del Norte Community Health Foundation, (Total cost: \$8,000; Percent effort: 2%), Project period: 01/01/21 - 08/31/21.

Principal Investigator, *Promotora* Outreach for Businesses in El Paso County, County of El Paso, Texas, (Total cost: \$100,000; Percent effort: 10%), Project period: 01/15/21 - 06/30/21.

Principal Investigator, CDC MASCUP! Study, Proper Mask Use Community Surveillance, Centers for Disease Control and Prevention, Consortium member, (No Associated Costs), Project period: 01/2021 – 05/2021.

Co-Principal Investigator, Minimizing Novel Coronavirus Exposure at Small Businesses with Community Health Workers, City of El Paso, Texas, (Total cost: \$100,000; Percent effort: 20%), Project period: 09/01/20-12/31/20.

Co-Principal Investigator, BEACHES (Beach Exposure and Child HEalth Study) (University of Miami), Gulf of Mexico Research Initiative, (Total cost: \$1,000,000; Percent effort: 20%), Project period: 01/01/18-06/30/20.

Co-Investigator, Hazardous Materials Worker Health and Safety Training (U45) Cooperative Agreement, National Institutes of Health, (Total cost: \$577,124; Percent effort: 5%), Project period: 06/01/17-07/31/20.

Co-Investigator, Bacterial Source Tracking in Texas, Texas State Soil and Water Conservation Board, (Total cost: \$141,069; Percent effort: 5%), Project period: 04/01/18-03/31/20.

Principal Investigator, Exploring the Microbiome at the International Space Station to Develop Food Production Systems in Space, National Aeronautics and Space Administration, (Total cost: \$104,893; Percent effort: 45%), Project period: 09/01/18-09/30/19.

Co-Principal Investigator, Safe Drinking Water for U.S./Mexico Border Colonias (University of Texas at El Paso), Border Environment Cooperation Commission, (Total cost: \$141,594; Percent effort: 2.7%), Project period: 04/01/18-08/31/19.

Co-Investigator, Biosafety and Infectious Disease Training Initiative (BIDTI), National Institutes of Health, (Total cost: \$129,630; Percent effort: 3%), Project period: 08/01/17-05/31/19.

Co-Director, Community Engagement Core, *Border Biomedical Research Center* (UTEP), National Institutes of Health, (Total cost: \$14,400,000; Percent effort: 16%), Project period: 07/01/14-03/31/19.

Co-Principal Investigator, *Transdisciplinary Research Consortium for Gulf Resilience on Women's Health (GROWH)* (Tulane), National Institutes of Health, (Total cost: \$185,928; Percent effort: 6%), Project period: 07/01/11-06/30/16.

Principal Investigator, *Microbial Risk Assessment at the ISS: Data Needs and Methods to Quantify Health Risks Associated with Microorganism Exposures via Air and Surfaces*, National Aeronautics and Space Administration, (Total cost: \$5,000; Percent effort: 4.5%), Project period: 06/15/14-08/15/14.

Co-Principal Investigator, *Exploratory NCMHD Centers of Excellence*, National Institutes of Health, (Total cost: \$174,014; Percent effort: 15%), Project period: 10/01/08-06/30/13.

Principal Investigator, *Quantitative Microbial Risk Model for Food at the ISS*, National Aeronautics and Space Administration, (Total cost: \$12,000; Percent effort: 10%), Project period: 02/01/12-10/31/12.

Principal Investigator, *Quantitative Microbial Risk Assessment at the ISS: Data Integration and Impact*, National Aeronautics and Space Administration, (Total cost: \$30,000; Percent effort: 58%), Project period: 04/01/11-09/30/11.

Principal Investigator, *Quantitative Microbial Risk Model - Astronauts and Microbes: Building a Quantitative Microbial Risk Assessment Framework*, National Aeronautics and Space Administration, (Total cost: \$100,000; Percent effort: 48%), Project period: 10/01/08-09/30/10.

Principal Investigator, *Quantitative Microbial Risk Model - Astronauts and Microbes: Building a Quantitative Microbial Risk Assessment Framework*, National Aeronautics and Space Administration, (Total cost: \$64,871; Percent effort: 90%), Project period: 03/01/08-09/30/08.

Principal Investigator, *Quantitative Microbial Risk Model*, National Aeronautics and Space Administration, (Total cost: \$25,542; Percent effort: 36%), Project period: 03/01/07-02/29/08.

Collaborator, (Centro de Investigación en Alimentación y Desarrollo A.C., Sinaloa, MX), *Microbial Risk Assessment Using the Source Tracking Methodologies during the Pre- and Post-Harvest of Bell Pepper*, National Council of Science and Technology and National Department of Agriculture, (Total cost: \$70,000; Percent effort: 0% - funds not available for U.S. investigator), Project period: 01/01/06-08/31/07.

Collaborator, (Centro de Investigación en Alimentación y Desarrollo A.C., Sinaloa, MX), *Microbial Risk Assessment of the Water from Beaches of the State of Sinaloa Using Microbial Source Tracking Methodologies*, National Council of Science and Technology and National Commission of Water, (Total cost: \$60,000; Percent effort: 0% - funds not available for U.S. investigator), Project period: 01/01/05-08/31/06.

Principal Investigator, *Water Consumption Along the Border: Determining Water Intake and Source Patterns Within a U.S.-Mexico Border Population*, Center for Border Health Research, Paso del Norte Health Foundation, (Total cost: \$73,283; Percent effort: 5%), Project period: 09/01/04-12/31/06.

Principal Investigator, *Optimization of Host Cell Capture and Quantitative Polymerase Chain Reaction (HCC-qPCR) for the Rapid Detection of Potentially Infectious Viruses in Water*, American Water Works Association Research Foundation, (Total cost: \$183,533; Percent effort: 11%), Project period: 02/01/04-02/28/07.

Co-Principal Investigator, *The Paso del Norte Gastro Intestinal Study*, Center for Border Health Research, Paso del Norte Health Foundation, (Total cost: \$75,000; Percent effort: 0% - limited funds for salary support per agency guidelines), Project period: 11/01/03-09/01/04.

Principal Investigator, *Declining Vitamin Use Among Postpartum Mexican-American Women: An Educational Intervention*, March of Dimes, (Total cost: \$215,000; Percent effort: 0% - funds not available for salary support), Project period: 06/01/02-05/31/04.

Co-Principal Investigator, *Project SPLASH in Peri-urban Communities of Ciudad Juarez*, Johnson & Johnson, (Total cost: \$39,997; Percent effort: 0% - funds not available for salary support), Project period: 04/01/03-10/01/03.

Co-Principal Investigator, *Helicobacter pylori Infection in Children on the U.S.-Mexico Border*, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, (Total cost: \$366,839; Percent effort: 10%), Project period: 09/01/02-08/31/04 and 05/01/05-04/30/06.

Principal Investigator, *Childhood Poisonings: A Pilot Study to Determine Factors Associated with Increased Risk Among U.S.-Mexico Border Children*, Center for Border Health Research, Paso del Norte Health Foundation, (Total cost: \$74,999; Percent effort: 7%), Project period: 10/01/01-04/01/03.

## **SERVICE – UTHealth Houston School of Public Health**

- PRIME Proposal Reviewer (2024)
- Reviewer for President's Award for Leadership, UTHealth Houston (2024)
- NIOSH Pilot Projects Research Training Program 2024-2025 Reviewer (2023)
- EOHS Faculty Cluster Search Committee (2023)
- Texas Epidemic Public Health Institute (TEPHI) Faculty Search Committee (2022-2023)
- School-wide Course Review Committee Chair (2021-2023)
- EHGES Non-Tenure Track Instructor Search Committee (2021-2022)
- EOHS Industrial Hygiene Faculty Search Committee (2021-2022)
- EOHS Total Worker Health Faculty Search Committee (2021-2022)
- EOHS Austin Campus Faculty Search Committee (2021)
- UTHealth Healthcare Innovation Challenge, Judge (02/27/21)
- UTHealth SPH Student Association, Careers in Public Health (10/10/20)
- NIOSH Education and Research Center (ERC) (2020-present)
- Southwest Center for Occupational and Environmental Health (SWCOEH) (2020-present)
- UTHealth Novel Coronavirus Task Force (Inform Governor Abbott's *Strike Force*) (2020)
- UTH-MDA Population Health Initiative (2020)
- El Paso Campus Dean (2019-present)
- Global Health Certificate Lead, Non-degree seeking Students (2019-present)
- IT Committee, Vice Chair (2018-present)
- El Paso Campus Faculty Search Committee, co-Chair (2018-2019)

- Online MPH Task Force (2017-2018)
- Stallones Lecture Planning Committee (2017)
- Interim Dean, El Paso Campus, UTSPH (2016-2019)
- Council on Education for Public Health Steering Committee (2016)
- Epidemiology, Human Genetics, and Environmental Sciences Faculty Search Committee (2016-2019)
- School-wide Course Review Committee (2016-2021)
- EOHS Curriculum Committee, Chair (2015-present)
- Acting Dean, El Paso Campus, UTSPH (2014)
- Executive Council, UTSPH (2014-present)
- Director, MD/MPH Dual Degree Program with Texas Tech University Health Sciences Center, Paul L. Foster School of Medicine (2014-present)
- Six-Year Review Committee Chair, UTSPH (2014)
- EOHS Curriculum Committee, co-Chair (2013-2015)
- Academic Council, UTSPH (2013-present)
- Faculty Search Committee, El Paso Regional Campus (2013-2014)
- EOHS Preliminary Exam Committee, Member (2013-2014, 2016-present)
- EOHS Capstone Committee (2013-2014)
- Six-Year Review Committee, UTSPH (2013)
- Doctoral Compact Committee, UTSPH (2013)
- Faculty Awards Committee, UTSPH (2012-2015)
- Co-Director, MD/MPH Dual Degree Program with Texas Tech University Health Sciences Center, Paul L. Foster School of Medicine (2011-2013)
- Admissions Committee, UTSPH (2011-2016)
- Program Director, Environmental and Occupational Health Sciences (2010-present)
- CEPH Accreditation Steering Committee (2010-2012)
- EOHS Faculty Search Committee Chair (2010-2012)
- Curriculum Redevelopment Group, Environmental and Occupational Health Sciences (2009-2012)
- Culminating Exam Committee (2009-2011)
- UTSPH Web Committee (2009-2010)
- Member, Infectious Disease Research & Teaching Program Planning Committee (2008)
- Member, Faculty Council Regional Campus Subcommittee (2007)
- Member, Faculty Council (2006-2007)
- Faculty Advisor, Student Governance Organization (2006-2007)
- Foundations Course Unit Leader, Environmental and Occupational Health Division (2006)
- Member, Research Strategic Planning Subcommittee, Environmental and Occupational Health Division (2005)
- Member, Admissions Committee (2005-2007)
- Member, The University of Texas School of Public Health/The University of Texas at El Paso Joint Committee for Cooperative Programs in Public Health (2005-2006)
- Member, Six-Year Review Committee (2005)
- Member, Academic Program Review Subcommittee Chair, Environmental and Occupational Health Division (2005)
- Member, Academic Program Review Committee, Environmental and Occupational Health Division (2004-2006)

- Member, Committee regarding Core Course Objectives, Environmental Sciences Discipline (2003-2004)
- Member, Faculty Affairs Committee (2002-2004)
- Member, Student Research Funds Review Committee (2002-2005)
- Member, Committee on the Joint Environmental Health M.P.H. (2002-2005)
- Member, Educational Enhancement Committee, Environmental Sciences Discipline (2002)
- Member, Interim Curriculum Committee, Environmental Sciences Discipline (2002)
- Member, Environmental Sciences Faculty Search Committees (two) (2001-2002)

### **SERVICE – Local Community**

- Medical Center of the Americas Foundation & Progress 321, El Paso Everywhere, El Paso, Texas Panel (09/12/2024)
- Woody L. Hunt School of Dental Medicine Practicum Evaluator (July 2024)
- The Texas Higher Education Coordinating Board Roundtable (11/06/2023)
- Junior League of El Paso, Sustainer (2023-present)
- El Paso Chamber 2023 Healthcare Summit, Panelist (2023)
- Power Play: Natural Resources, Energy, & Economic Development, Panel (Mena, K.D.), 2023 Global Border Summit, Borderplex Alliance, El Paso, Texas (02/23/2023)
- Creator & Presenter, Video Series, Paso del Norte Community Foundation, “Pathogens, People, Places: Workplace Safeguards for Illness Intervention” (07/2022)
- Presenter, Women in Medicine and Science (WIMS) April Session, Texas Tech University Health Sciences Center El Paso, “Environmental Disease: *What Are the Risks?*” (04/27/2022)
- Panel Participant, One Water, World Water Week, University of Texas – El Paso (03/24/2022)
- Panel Participant, University of Chicago’s Institute of Politics “Borderlands Trek” (03/21/2022)
- Panel Participant, 2022 Bioscience Regional Poster Session, Medical Center of the Americas Foundation (02/22/2022)
- Panel Participant, Southwest Healthcare Executives Association (SHEA) (02/17/2022)
- COVID-19, Vaccines Q&A, El Paso Hispanic Chamber of Commerce (09/09/2021)
- REALIZE Board, Guest Contributor for Training, United Way, El Paso, Texas (12/09/2020)
- Safety & Health - Battling COVID-19, Webinar with El Paso Hispanic Chamber of Commerce (12/01/2020)
- Reduce the Risk Cross Collaborative, SARS-CoV-2 Household Transmission (11/13/2020)
- Reduce the Risk *Promotores* Training, SARS-CoV-2 Transmission Mitigation (10/31/2020)
- Sunrise Rotary, SARS-CoV-2: The #1 Pandemic Driver (10/28/2020)
- Paul L. Foster School of Medicine COVID-19 Panel (08/18/2020)
- El Paso School Re-Opening Public Health Support (2) (08/05/2020, 5:00pm MST)
- El Paso School Re-Opening Public Health Support (1) (08/05/2020, 9:00am MST)
- UHealth and Houston Area Safety Council, Webinar on COVID-19 Employer Testing Options (07/22/2020)
- Region 19, El Paso, TX, School Reopening Health and Safety Considerations (07/13/2020)
- El Paso Water, story on COVID virus testing (07/10/2020)

- Return-to-School Safeguards, Consultation with both public and private schools, including Clint ISD and Fabens ISD (06/2020 – 07/2020)
- City of El Paso, PPE B2B Supplier Matchmaking Event, Provided information on proper use of PPE and disinfection practices (06/25/2020)
- Preparing the Workforce of Tomorrow Career and Technical Education (CTE) Virtual Conference, Region 19, El Paso, TX (06/10/2020)
- Consultation with the City of El Paso on effective disinfection practices for buildings (COVID-19) (06/05/2020)
- El Paso United City/County COVID-19 Task Force (2020-present)
- Military Medical Transition Program, Medical Center of the Americas Foundation (2020-present)
- Destination El Paso Webinar, “As We Reopen – Hotels and Hospitality: Best Protection Practices during a Pandemic” (06/02/2020)
- Federal Bureau of Investigations (FBI), Face covering assessment (05/28/2020)
- Wednesday Weekly Webinars, *Reopen Texas the Right Way*, SWCOEH and Houston Area Safety Council (05/20/2020 – 07/01/2020)
- PPE Community Webinar with MCA (05/12/2020)
- Workplace Safeguards by Industry Sector, for Paso del Norte Health Foundation COVID-19 website (05/08/2020)
- Call with Congresswoman Veronica Escobar, COVID-19 Response (05/04/2020)
- El Paso Builders Association, Seminar with realtors, title companies, mortgage brokers, bankers, and developers, *Reopening Texas* (04/30/2020)
- COVID-19 Testing for Private Sector – Employer Focus Group, with Emma Schwartz (MCA) (04/29/2020)
- El Paso Builders Association, Seminar with developers, *Reopening Texas* (04/29/2020)
- El Paso Water, Coordinated employee virus testing with Baylor College of Medicine (04/2020)
- University Medical Center, Infection Control consultation for novel coronavirus (04/27/2020)
- El Paso County Medical Society COVID GPS Physician Town Hall (Kristi Mena/Bob Emery, 04/23/2020)
- El Paso Hispanic Chamber of Commerce, Community Webinar, *Construction and COVID-19: Staying Safe on the Job Site* (SWCOEH, 04/16/2020)
- Regional Public/Private Partnership for COVID-19 Response (2020-present)
- BUILDing SCHOLARS Program, Student Mentor (2019)
- MLK, Jr. Day of Service with the Paul L. Foster School of Medicine, Texas Tech Health Sciences Center, El Paso (2019)
- Texas Tech University Health Sciences Center, Woody L. Hunt School of Dental Medicine (WLHSDM) Curriculum Committee (2018-2020)
- Texas Department of State Health Services, National Public Health Week (2018, 2019)
- Institute for Healthy Living (IHL), Paso del Norte Health Foundation, Executive Council (2018-2019)
- 75<sup>th</sup> Anniversary Canal Plant, El Paso Water, Speaker (2018)
- Life Sciences Task Force co-Chair, Borderplex Alliance, El Paso Region (2017-2018)
- Scholarly Activity & Research Program, Judge, Paul L. Foster School of Medicine Texas Tech University Health Sciences Center, El Paso (2017)
- Future Ready El Paso, El Paso, Texas (2017)
- Public Service Board, El Paso Water, El Paso, Texas (2016-present)
- BUILDing SCHOLARS Program, Faculty Supermentor (2016-2019)



- University of Texas at El Paso College of Health Sciences Dean Search Committee (2016-2017)
- University of Texas at El Paso Department of Public Health Sciences, Community Advisory Board (2016)
- Community and Academic Partnerships for Health Science Research (CAPHSR), University of Texas at El Paso (2016)
- University of Texas at El Paso Department of Public Health Sciences Community Health Faculty Search (2016)
- University of Texas at El Paso Department of Public Health Sciences Environmental Health Faculty Search (2016)
- Borderplex Alliance, El Paso Region (2015-2020)
- BUILD Faculty Mentor, University of Texas at El Paso (2015-2016)
- Advanced Water Purification Project video, El Paso Water Utilities (2015)
- Global Connections Map Filming, Water Reuse Research Association (2015)
- Institute for Healthy Living (IHL), Deputy Director Search Committee (2014)
- UTEP Environmental Health Conference planning committee and conference responder, El Paso, Texas (2013-2014)
- Summer Scholars Academy, Faculty Mentor, UTEP (2013)
- KTEP, Live 30-Minute Interview, public health, El Paso, Texas (2013)
- ABC KVIA Channel 7, Interview, El Paso, Texas (2011)
- El Paso League of Women Voters, Presentation, El Paso, Texas (2011)
- Texas Tech University Health Sciences Center, Paul L. Foster School of Medicine, Society, Community and the Individual (SCI) Curriculum, Environmental Thread Director, El Paso, Texas (2009-present)
- Paso Del Norte Group, El Paso, Texas (2009-2014)
- Texas Tech University Health Sciences Center, Paul L. Foster School of Medicine, Society, Community and the Individual (SCI) Curriculum Subcommittee Chairperson for Environmental and Occupational Health, El Paso, Texas (2008 – 2011)
- Texas Tech University Health Sciences Center, Paul L. Foster School of Medicine, Planning Committee for Student Immersion Experience, El Paso, Texas (2008 – 2011)
- Texas Tech University Health Sciences Center, Paul L. Foster School of Medicine, Society, Community and the Individual (SCI) Curriculum Committee, El Paso, Texas (2008 – 2011)
- Texas Department of State Health Services, Presentation, El Paso, TX (2006)
- PBS Documentary “Planet H2O” website questionnaire (2005)
- Local radio show regarding research and public health issues, El Paso, TX (2005)
- El Paso Lion’s Club, Presentation, El Paso, TX (2005)
- Delta Delta Delta El Paso Alumnae Chapter President, El Paso, TX (2005-2008)
- Community Advisory Board, Texas Tech University Health Sciences Center, El Paso, TX (2004)
- PBS&J, Consultant regarding environmental health (community) issues, Houston, TX (2003-2006)
- Junior League of El Paso, Inc., El Paso, Texas (2002-2009)
- Environmental Health Coalition, El Paso, TX (2001-2008)
- Delta Delta Delta El Paso Alumnae Chapter, El Paso, TX (2001-2008)
- El Paso County Commissioners Court, El Paso, TX (2001)
- Unity Center/Reach 2000 Board Member, Roswell, NM (2000-2001)
- Delta Delta Delta Roswell Alumnae Chapter Vice President, Roswell, NM (1999-2001)
- Reach 2000 - Healthier Communities Project, Roswell, NM (1999)

- Las Lianas Auxiliary of Assistance League, Chaves County, NM (1999)
- Department of Health, Public Health Division, Roswell, NM (1999)
- Community Cares, Roswell, NM (1999)
- Border Health Office, Advisory Council, Las Cruces, NM (1999)
- Turning Point Tri-County Partnership, Chaves County, NM (1999)  
Occupational Health Subcommittee Chairperson (1999)
- Assessment and Planning Excellence through Community Partners for Health, Roswell, NM (1999)

## **SERVICE – Academic Community**

### **Grant Review Panels**

- Grant Proposal Reviewer, NIOSH (2023)
- Grant Proposal Reviewer, Border Biomedical Research Center, UTEP (2017)
- Grant Proposal Reviewer, The Water Institute at the University of North Carolina (2013)
- Grant Proposal Reviewer, Hispanic Health Disparities Research Center (2011)
- Grant Proposal Reviewer, Pilot Project Research Training Program of the Southwest Center for Occupational Safety and Health (2003-2009)
- Grant Proposal Reviewer, United States Environmental Protection Agency (2005-2008)
- Grant Proposal Reviewer, National Research Initiative Competitive Grants Program, United States Department of Agriculture (1998-1999)

### **Advisory Boards**

- ChildrenAtRisk Institute (2021-2023)
- ChildrenAtRisk Health Advisory Council (2021-2023)
- ChildrenAtRisk Border Communities Health Collaborator, Co-Chair (2021-2023)
- Congresswoman Veronica Escobar's Climate Crisis Advisory Committee (2021-2022)
- Laundry Hygiene Practices (COVID-19) Workshop Panel, Procter & Gamble (2020)
- National Water Research Institute (NWRI), Expert Advisory Panel (2018-2019)
- Medical Center of the Americas Foundation, Board (2017-present)
- USEPA Chartered Science Advisory Board (2016-2019)
- USEPA Science Advisory Board Drinking Water Committee (2016-2019)
- Water Environment and Reuse Foundation, Project Advisory Committee (2016-2017)
- Medical Center of the Americas Foundation, Scientific Advisory Committee (2016-2017)
- EPA STAR Project Advisory Board, UTEP (2015-2017)
- National Water Research Institute, Advisory Panel, El Paso, Texas (2014-2016)
- WaterReuse Association and Research Foundation, Project Advisory Committee, Framework for Public Health Monitoring Workshop (2014-2015)
- National Science Foundation-National Water Research Institute, Direct Potable Reuse (DPR) Treatment Workshop, Austin, Texas (2014)
- USEPA Chartered Science Advisory Board (2013-2016)
- USEPA Science Advisory Board Drinking Water Committee (2013-2016)
- Pharmaceutical Disposal Advisory Group, TCEQ (2010)
- Water Environment Research Foundation, Two Project Subcommittees (2003-2009)
- The Groundwater Foundation (1999-2009)
- Southwest Center for Environmental Research and Policy, Expert Panel (2003)

### **Editorial Positions**

Editorial Board Member (2002-present): *International Journal of Environmental Health Research*

Editorial Board Member (2013): *ISRN Bacteriology*

Topic Editor (2020-present): *International Journal of Environmental Research and Public Health*

**Manuscript Reviewer:**

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<i>American Journal of Infection Control</i>	<i>Infection Prevention in Practice</i>
<i>American Journal of Tropical Medicine &amp; Hygiene</i>	<i>International Journal of Occupational &amp; Environ Health</i>
<i>Annals of Clinical Microbiology and Antimicrobials</i>	<i>Journal of Applied Microbiology</i>
<i>Applied and Environmental Microbiology</i>	<i>Journal of Environmental Chemical Engineering</i>
<i>Basic &amp; Applied Zoology</i>	<i>Journal of Environmental Management</i>
<i>BioMed Central Microbiology</i>	<i>Journal of Environmental Science and Health</i>
<i>Critical Reviews in Environ Science &amp; Technology</i>	<i>Journal of Exposure Science &amp; Environ Epidemiology</i>
<i>Current Nutrition and Food Sciences</i>	<i>Journal of Laboratory Physicians</i>
<i>eBioMedicine</i>	<i>Journal of Occupational &amp; Environmental Hygiene</i>
<i>Ecological Indicators</i>	<i>Journal of Water and Health</i>
<i>Environmental Advances</i>	<i>Journal of Water Process Engineering</i>
<i>Environmental Modeling &amp; Assessment</i>	<i>Letters in Applied Microbiology</i>
<i>Environmental Science &amp; Technology</i>	<i>Reviews in Environmental Science and Bio/Technology</i>
<i>Environment International</i>	<i>Science of the Total Environment</i>
<i>Environments</i>	<i>Toxins</i>
<i>Epidemiology &amp; Infection</i>	<i>University of Mauritius Research Journal</i>
<i>European Journal of Household &amp; Personal Care</i>	<i>Water</i>
<i>FEMS Microbiology Letters</i>	<i>Water and the Environment</i>
<i>Foods</i>	<i>Water Policy</i>
<i>Great Lakes Research</i>	<i>Water Research</i>
<i>Heliyon</i>	<i>Wilderness and Environmental Medicine</i>
<i>Hygiene &amp; Environmental Health Advances</i>	<i>Zoonoses and Public Health</i>
<i>Infection Prevention in Practice</i>	
<i>International Journal of Environ Health Research</i>	
<i>International Journal of Hygiene and Environ Health</i>	

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**Other Review Positions**

- Academic Reviewer, Acorn GLP Consulting (2006)
- Reviewer, John Wiley & Sons, Inc. (2006)
- Curriculum Reviewer, Water Resources Research Center, The University of Arizona (1997)

**SERVICE – Professional Organizations**

**Leadership/Committees**

- NIH, RCMI Translational Research Network, Community Engagement Cluster Co-Leader (2013-2018)
- Member, The Groundwater Foundation, Pathogenic Contamination Prevention Committee, Pathogen Project: Pathogens in Drinking Water (2006-2009)
- Member, The Groundwater Foundation, Board of Directors (2005-2009)
- Member, The Groundwater Foundation, Executive Committee (2004-2007)
- Vice Chair, Public Interest Advisory Forum, American Water Works Association (2003-2006; Member, 2003-2009)
- Member, Society for Risk Analysis, Food and Water Specialty Group (2003 - 2007)
- Member, The Groundwater Foundation, Technical Advisory Committee (2000-2005)
- Member, The Groundwater Foundation, Executive Committee (1999)

**SERVICE – Other**

- *USA Today*, Nanoplastics in Bottled Water, (01/10/2024)

- *Houston Chronicle*, “Boil water notices issued in Harris, Montgomery and Polk counties after Hurricane Beryl,” (07/09/2024)
- *Inside Philanthropy*, “‘The Need is Here.’ How One Regional Funder is Stepping Up for Public Health,” (04/14/2023)
- KTEP Radio, NPR, “UTHealth Houston School of Public Health,” (01/07/2023)
- Houston Public Media, NPR, “Town Square with Ernie Manouse”, (11/28/2022)
- KTRK-HOU ABC Channel 13, Television interview on *Legionella* found in water at Ben Taub Hospital (09/15/2022)
- *El Paso Matters*, Interview about COVID-19 cases in El Paso (07/07/2022)
- *El Paso Matters*, “Opinion: El Paso Water Ensures Our Water Supply is Safe to Drink” (06/23/2022)
- Telemundo Houston, Television interview about U.S. wastewater trend for SARS-CoV-2 (03/15/2022)
- *Texas Monthly*, Interview about recreational water quality and beach management (11/12/2021)
- *El Paso Matters*, Interview on SARS-CoV-2 vaccination strategies and the delta variant regarding 12-15 year-olds (08/10/2021)
- *El Paso Matters*, Interview on standing water and public health concerns in El Paso (07/20/2021)
- *Houston Chronicle*, Interview on recreational waterborne illnesses (06/30/2021)
- *El Paso Matters*, Interview on vaccine hesitancy (04/26/2021)
- ChildrenAtRisk, Health Inequities in Texas Border Communities (04/21/2021)
- ChildrenAtRisk, Vaccine Information Project Webinar (03/24/2021)
- *El Paso Inc.*, Interview about Texas CARES Seroprevalence Study (03/18/2021)
- USA Today, Interview about water towers (03/18/2021)
- *El Paso Matters*, Interview about Texas CARES Seroprevalence Study (03/16/2021)
- Houston ABC13, KTRK-TV, Television interview about water shortage/quality issues in Texas due to winter storm (02/19/2021)
- Houston FOX, Television interview about water quality in Texas associated with weather (02/18/2021)
- *El Paso Times*, Story about risk mitigation during pandemic (12/04/2020)
- Spectrum News, Interview about surge in El Paso’s COVID-19 cases (11/12/2020)
- KVIA Television Interview about Texas CARES (10/28/2020)
- KTRK-HOU Television Interview on Household Cleaning Practices and Disinfectants for COVID-19 (10/09/2020)
- KHOU-11 (CBS, Houston) News at 10 Television Interview on *Naegleria fowleri* and death of boy (09/29/2020)
- *El Paso Herald-Post* story, “After Historic Election, new Public Service Board Officers Make Mark” (09/08/2020)
- *Everyday Health* Interview, “What Are Common Causes and Types of Foods That Can Trigger Food Poisoning?” (08/14/2020)
- *The Insider*, UTHealth, “UTHealth School of Public Health in El Paso Addresses COVID-19 Water Concerns” (06/01/2020)
- KVIA News – El Paso, Texas, Interview about ways Texas may safely reopen retail establishments (05/20/2020)
- Interview with The Raben Group, Role of Patron in Workplace Safety (COVID-19) (05/20/2020)
- WaterWire, “PSB’s Mena offers health expertise to state, city” (05/11/2020)
- *El Paso Herald-Post* story, Reopening Safely (05/09/2020)

- KVIA News – El Paso, Texas, Television interview regarding workplace safeguards for reopening Texas (05/07/2020)
- Texas Water Resources Institute, *Conservation Matters* newsletter, Interview on wastewater-based epidemiology (05/04/2020)
- CBS4 News at 10, *Is tap water safe to drink?* (03/20/2020)
- *Talk El Paso*, News Radio 690 KTSM, iHeartRadio, Water Treatment and SARS-CoV-2 (03/20/2020)
- KTSM News – El Paso, Texas, Different interviews about the novel coronavirus and water quality (03/18/2020)
- Public Service Announcement for El Paso Water, Water Quality and COVID-19 (03/18/2020)
- *El Paso Times* – “Blood for Money”, Public health concerns with donating blood/plasma for money, including crossing borders (10/04/2019)
- El Paso Water – El Paso, Texas, Home water purification system safeguards (09/11/2019)
- KTEP radio – El Paso, Texas, "The Weekend with Louis Saenz", Water quality in El Paso (08/02/2019)
- *Connective Tissue Journal*, UTHealth San Antonio, Wrote Foreward for January 2019 issue
- CTV News – Canada, Live Television Interview (08/30/2017), Houston and Waterborne Illnesses from Hurricane Harvey
- Healio Infectious Diseases in Children, Commentary on Premise Plumbing-related Outbreaks, Interview (2017)
- NPR – Austin, Texas, Report Finds Texas Leads the Nation in Safe Drinking Water Act Violations, Interview (2017)
- Careers in Public Health & UTHealth. El Paso City Health Department, Border Health Services, El Paso, Texas (2017)
- Public Health & UTHealth. Greater El Paso Association of Realtors, El Paso, Texas (2017)
- CTV News - Canada, Live Television Interview (08/02/2016), Water Woes in Rio (2016)
- National Geographic News, Water Quality, Pollution, and Contaminants in Rio de Janeiro’s Guanabara Bay (2016)
- Gizmodo, Interview about the Water Contamination in Rio and Olympic Athlete Risks (2016)
- Orange County Register, Southern California, Interview about the Water Venues at the Rio Olympics (2016)
- Associated Press, Interview about Bacterial Indicator Organisms and Rio’s Waters (2016)
- Vice.com, Interview about Drinking Water and Swimming Risks in Rio (2016)
- Wired.com, Interview regarding New Antimicrobial Suit for the U.S. Rowing Team, Rio Olympics (2016)
- Yahoo Sports, Olympic Athletes’ Health Risks (2016)
- WYAY News Radio 106.7 Atlanta, Live Radio Interview, Health Concerns Related to the Rio Olympic Games (2016)
- HBO Sports Interview, Health Risks to Olympians in Rio (2016)
- Sirius XM Canada Inc., Ontario, Rio’s Polluted Olympic Waters (2016)
- Undark Magazine, Knight Science Foundation and MIT, Health Risks to Athletes at Rio Olympics (2016)
- AirTalk, KPCC, NPR, Southern California, Water Quality at Rio’s Olympics (2016)

- San Antonio Express-News, Flint Michigan Water Crisis (2016)
- 240+ print and video media outlets, international, sick athletes in Brazil (2015)
- Associated Press, Television Interview, ill athletes in Rio's Olympic waters (2015)
- 700+ print media outlets, international, polluted waters at 2016 Olympics in Rio (2015)
- CTV News – Canada, Live Television Interview (07/30/2015), Water Pollution at 2016 Olympics (2015)
- CNBC, Live Television Interview (07/30/2015), Health Risks of Olympians in Rio (2015)
- Associated Press, Media Interview, polluted Olympic waters in Rio (2015)
- KURV 710 AM, Live On-Air Interview, norovirus outbreaks, McAllen, Texas (2013)
- 92 FM, Houston, Texas, Live On-Air Interview, bed bugs (2012)
- 92 FM, Houston, Texas, Media Interview, fungicide in orange juice (2012)
- *Everyday Health*, Media Interview, food poisoning (2011)
- ABC News, Investigative Story, lead in fruit juice (2011)
- Metro New York, Media Interview, foodborne disease and food safety tips (2010)
- National Aeronautics and Space Administration, Johnson Space Center, Houston, TX (2006-present)
- Milwaukee Water Works, Milwaukee, WI (2005-2007)
- Wilmer Cutler Pickering Hale and Dorr LLP, Boston, MA (2005)
- United States Environmental Protection Agency, Washington, D.C. (2004-2019)
- PBS&J, Houston, TX (2003-2006)
- GRAM, Incorporated, Albuquerque, NM (2003-2004)
- Army & Air Force Exchange Service, Grünstadt, Germany (2002-2003)
- Dairy Producers of New Mexico, Roswell, NM (2000-2001)
- Solid Waste Bureau, New Mexico Environment Department, Santa Fe, NM (1999-present)
- The Groundwater Foundation, Proceedings of the 15th Annual Groundwater Foundation Fall Symposium, Lincoln, NE (1999-2000)
- The Clorox Company, Pleasanton, CA (1998)
- EA Engineering, Science, and Technology, Inc., Silver Spring, MD (1996-1997)

## TEACHING

### **UTHealth School of Public Health – Graduate Courses**

#### *Courses (Primary Instructor/Co-Instructor)*

- Occupational Health & Safety Program Management and Leadership (PHW2205 online, 3 credit hours, 2023)
- Environmental Sampling Analysis [PHM/PHD 2155 online, 4 credit hours (M); 4 credit hours (D)], 2022-present
- EOHS Research Seminar Series (Sewage Surveillance: *The Next Pandemic Predictor?*), 2020
- Public Health Ecology and the Human Environment (PHM 2110 online, 3 credit hours) – Overview of the role of environmental factors on public health, 2019-present
- Water Environment [PHM/PHD 2230 online, 3 credit hours (M); 4 credit hours (D)] – Critical analyses of the roles of water in public health, policy, and environmental sustainability, 2018-present
- Capstone Course (PH 9996 online, 3 credit hours) – Culminating experience, 2014, 2016, 2017 (co-Instructor), 2018 (co-Lead), 2021 (co-Lead)

- Environmental Microbiology (PH 2280 ITV, 3 credit hours) – Discussion of environmental transmission of pathogens, 2010, 2016 (co-Instructor)
- Pilot Capstone Course (PH 5998 ITV, 3 credit hours) – Culminating experience, 2010 (co-Instructor)
- Overview of Environmental Health (PH 2110 ITV and online, 4 credit hours 2001-2003, 3 credit hours 2005-2008) – MPH core course in environmental health sciences; Introduction to the principles of environmental health, 2001-2003, 2009-2018)
- Environmental Health Risk Assessment (PH 2498 ITV, 2 credit hours) – Examination of the risk assessment process to address environmental hazards, 2008 (co-Instructor)
- Site Visits in Environmental Health (PH 2498 ITV, 2 credit hours) – Exploration of occupational settings that address public health/environmental issues, 2008 (co-Instructor)
- Research Proposal Writing (PH 2498, 3 credit hours) – Overview of the fundamentals of writing research proposals, 2008
- Environmental Microbiology (PH 2498, 3 credit hours) – Examination of the interdisciplinary issues related to environmental microbiology with an emphasis on public health, 2007
- Risk Assessment and Environmental Health, (PH 2498, 3 credit hours) – Application of the risk assessment process in addressing public health problems, 2003
- Practicum (PH 9997, varying credit hours) – Hands-on public health experience for students, 2002-2003, 2006-present
- Individual Study in Environmental Science (PH 2499, varying credit hours) – Hands-on research experience for students (laboratory and paper studies), 2001-present
- Thesis/Dissertation Research (PH 9998, varying credit hours) – 2001-present

#### *Courses (Lecturer)*

- Occupational Ergonomics (PH 2246, 3 credit hours) – General guest lecture, 2023
- Global Health Overview (PH 5610, ITV, 3 credit hours) – Discussion on the role of water in public health from a global perspective, 2018-2022
- Foundations of Scientific Writing in Public Health (PH 5098, ITV, 3 credit hours) – Discussion on the principles of effective scientific writing, 2015-2016
- Environmental Microbiology (PH 2280, ITV, 3 credit hours) – Discussion of the public health impact of microorganisms in the environment, 2016
- Public Health Microbiology (PH 2280, ITV, 3 credit hours) – Examination of pathogens of public health concern, 2005
- Public Health in the Movies (PH 3998, 2 credit hours) – Discussion of public health issues and perspectives presented in the theater, 2005
- Epidemiology Proposal Development (PH 2720, ITV 2004-2007, online 2008, 3 credit hours) – Examination and application of the process of proposal writing, 2004-2008
- Recognition of Environmental and Occupational Hazards (PH 2130, ITV, 2 credit hours) – Overview of hazards in the environment, 2008-2018
- Man's Impact on the Environment (PHW 2120 L, online, 3 credit hours) – Overview of environmental health issues, 2008

#### **Texas Tech University Health Sciences Center, Paul L. Foster School of Medicine**

- Pediatric Environmental Health Elective – Discussed the impacts of water on health, 2019
- Society, Community and the Individual – Incorporates environmental and overall public health issues in medical school curriculum, 2009-present

#### **Eastern New Mexico University-Roswell – Undergraduate Courses**

##### *Courses (Primary Instructor)*

- Biology (2 sections/semester, 3 credit hours) – Overview of the fundamentals of biology, 2000-2001
- Biology Laboratory (2 sections/semester, 3 credit hours) – Hands-on weekly experiments related to biology, 2000-2001
- Microbiology (1 section/semester, 3 credit hours) – Discussion of the various types of microorganisms, with an emphasis on their impact on human health; Course designed for nursing students, 2000-2001
- Microbiology Laboratory (1 section/semester, 3 credit hours) – Hands-on weekly experiments related to microbiology; Course designed for nursing students, 2000-2001
- Cell Biology (1 section/semester, 3 credit hours) – Examination of the structure, life cycle, and function of cells, 2000-2001
- Genetics (1 section/semester, 2 credit hours) – Examination of inheritance, 2001

### **Arizona Department of Corrections – Mens' Facility (Pima Community College)**

#### *Courses (Primary Instructor)*

- Environmental Microbiology/Lab – Discussion of the fundamentals of environmental microbiology with an emphasis on water treatment, 1996-1997

### **The University of Arizona – Graduate/Undergraduate Courses**

#### *Courses (Lecturer)*

- Environmental Microbiology – Overview of the principles of environmental microbiology from an agricultural perspective, 1994-1997
- Environmental Biotechnology – Discussion of technology used in agriculture and medicine, 1994-1997
- Watershed Management – Examination of how people and agriculture may influence water, 1994-1997

#### *Courses (Teaching Assistant)*

- Environmental Microbiology Laboratory – Hands-on experiments related to environmental microbiology, 1994

### **STUDENTS – Current (UTHealth SPH unless noted otherwise)**

#### **PhD/DrPH Academic/Dissertation Advisor**

Flor Puentes, EOHS PhD student (El Paso campus)  
 Aracely Rey, EOHS PhD student (El Paso campus)  
 Valeria Ruvalcaba, EOHS PhD student (El Paso campus)  
 Minglun Wang, EOHS PhD student (Houston campus)

#### **PhD/DrPH Committee Member**

Yi Chen, EOHS PhD Candidate (Houston campus)

#### **MPH and MS Academic/Thesis Advisor**

Kelsey Akin, DMD/MPH student  
 Juan Amieva, MD/MPH student  
 Gonzalo Astudillo, MD/MPH student  
 Chukwudumebi Atuegbu, MD/MPH student  
 Shubhang Bhalla, MD/MPH student  
 Andre Borrego, MD/MPH student  
 Mavis Chenyi, DMD/MPH student



Jonathan Corpuz, MD/MPH student  
Usman Dar, MD/MPH student  
Elizabeth Dimitrievich, EPI MPH student  
Marshall Geske, DMD/MPH student  
Brandon Godinich, MD/MPH student  
Gabiella M. Gonzalez, DMD/MPH student  
Namratha Kandru, MD/MPH student  
Jose Lopez, MD/MPH student  
Sanjana Mada, MD/MPH student  
Jessica Marquez, MD/MPH student  
Phong Nguyen, MD/MPH student  
Vutha Nhim, MD/MPH student  
Luis Ramirez, EOHS MPH student  
Miguel Renteria, MD/MPH student  
Danielle E. Salcido, DMD/MPH  
Saqib Shahid, MD/MPH student  
Seth Smith, MD/MPH student  
Joshua P. Tankel, DMD/MPH student  
Adriana S. Tatum, DMD/MPH student  
Erin E. Toro, MD/MPH Student  
Teresa Valenciahuerta, MD/MPH student  
Brandon Zadeh, DMD/MPH student

## **STUDENTS – Graduated**

### **Doctoral Student Academic/Dissertation Advisor or Committee Member**

Jacqueline D. Smith, PhD (Environmental and Occupational Health Sciences, Houston),  
Revising the National Ambient Air Quality Standards: The Integration of Science and Policy,  
2005-2006

Sherrie Wise, DrPH (Health Promotion and Behavioral Sciences, El Paso), Socio-cultural  
Predictors of Exercise Among Hispanic Women Living in a High-Risk Community Along the  
U.S.-Mexico Border, 2012-2014

Alice Djotsa, PhD (Environmental and Occupational Health Sciences, Houston), Identification of  
Cancer Driver Genes through a Gene-Based Permutation Approach, 2014-2018

Seth Parker, DrPH (Environmental and Occupational Health Sciences, Houston), A Secondary  
Data Analysis for the Refinement of Empirical Modelling for the Estimation of Environmental  
Health & Safety Program Resourcing for Colleges and Universities, 2014-2018

Tanu Altomare, PhD (Environmental and Occupational Health Sciences, Houston), Estimating  
Children's Health Risks from Recreational Beach Play Following an Oil Spill, 2016-2020

Karla Méndez, PhD, (Environmental and Occupational Health Sciences, El Paso), Quantitative  
Microbial Risk Assessment of Water Reuse, 2019-2022

Aleisha J. Elliott, PhD, (Epidemiology, San Antonio), Dissertation Committee member,  
Evaluating Associations Between Household Water Access and Personal Health and Well-being  
Among Current Childcare-giving Women in Meru County, Kenya, 2019-2023

Abolore Idris, PhD, (Environmental and Occupational Health Sciences, El Paso), Exploring the Impact of Occupational Exposure and Working Conditions Related to Heat Stress on Natural Gas Construction Workers' Well-being and Quality of Life, 2020-2024

**MPH and MS First/Thesis Advisor**

Gina I. Meza, MPH, Utilization and Awareness of Support and Custodial Services Among Older Adults in El Paso, Texas, 2001-2003

Sylvia F. Sustersick, MPH, Acculturation and Poisoning Risk in Low-Income Households in a U.S. - Mexico Border Population, 2001-2003

Celina Beltran, MPH, Water Quality Indices in a U.S.-Mexico Border Community: Implications for a Human Health Risk Assessment, 2002-2004

Zuzanne G. Martinez, MPH, Risk Assessment of Heterotrophic Plate Count (HPC) Bacteria in Potable Water Sources, 2002-2004

Ariana V. Arciero, MPH, The Importance of Dietary Folate: An Analysis of Dietary Folic Acid Intake Among Mexico-Born Versus U.S.-Born Women, 2003-2005

Yolanda L. Posada, MPH, Prevalence, Predictors and Health Consequences of Food Insecurity and Hunger in Migrant and Seasonal Farm Workers in the Paso Del Norte Border Region, 2003-2005

Arthur Alvarado, MPH, Health Beliefs of Foodservice Workers and Adherence to Food Safety Regulations to Prevent Foodborne Illness, 2003-2006

Laura Y. Sifuentes, MPH, Evaluating Methodologies for Detection and Enumeration of Enteric Viruses and *Cryptosporidium parvum*, 2005-2007

Kelcey D. Anderson, MPH, Drinking Water Quality Perception Along the U.S.-Mexico Border, 2005-2007

Carissa M. Flores, MPH, Evaluation of Residential Bioaerosol Concentrations and their Related Health Effects, 2005-2007

Flor A. Puentes, MPH, *Helicobacter pylori* Infection and the Effect on Growth in a Cohort of Children in the US/Mexico Border, 2005-2008

Hendrik de Heer, MPH, A Path Analysis of an After-School Health and Exercise Program for Elementary Children in El Paso, Texas, 2008- 2009

Kairav R. Shah, MPH, Hypertension and Cognitive Decline Among Patients of Alzheimer's Disease, 2007-2009

Berenise Rivera, MPH, Characterization of Fecal Contamination Targeting 16s rRNA Bacteroides Molecular Markers in the Santa Cruz River, Arizona, 2009-2011

Daniel Yuan, MPH, Capstone Course (Houston Campus), 2010-2012

Samantha Gunterman, MPH (Austin), Retrospective Analysis of Methicillin-Resistant *Staphylococcus aureus* (MRSA) Skin and Soft-Tissue Infections (SSTI) in a University Hospital Emergency Department (ED), 2011-2012

Romy Ghosh, MD/MPH, Physician Attitudes on the HPV Vaccine, 2010-2013

Mariam Weekes, MPH, Capstone Course, 2011-2013

Heather Fenley, MD/MPH, Capstone Course, 2011-2014

April Reyes, MPH, Capstone Course, 2012-2014

Alice Nyakeriga, MPH, Capstone Course, 2012-2014

Hector Ocaranza, MPH, The Success of *H. pylori* Eradication Therapy Using a Quadruple Sequential Treatment in Children with Gastrointestinal Symptoms Seen in a Pediatric Practice in the U.S.-Mexico Border Region, 2012-2014

Tanu Uppal, MPH, Environmental Influences on Fecal Bacterial Concentrations in Texas Marinas (Houston Campus), 2014-2015

Andrew Billnitzer, MD/MPH, Capstone Course, 2012-2015

Chetna Pande, MD/MPH, Capstone Course, 2012-2015

Maria Sheikh, MD/MPH, Capstone Course, 2012-2015

Zinmar Ma, MD/MPH, Capstone Course, 2012-2015

Rica Mauricio, MD/MPH, HIV and the Hispanic Woman, 2012-2015

Anand Narayanan, MD/MPH, Capstone Course, 2012-2015

Timothy Bullock, MD/MPH, Capstone Course, 2012-2016

Ashley Chapel, MD/MPH, Capstone Source, 2013-2016

Victoria Nunez, MD/MPH, Capstone Course, 2013-2016

Sarah Slief, MD/MPH, Capstone Course, 2013-2016

Leigha Sharp, MD/MPH, Colorectal Cancer Educational Intervention and Screening Outcomes, 2013-2016

Meredith Trubitt, MD/MPH, Patterns and Correlates of Internet Use, Cellphone Use, and Attitudes Towards Patient Portals Among a Predominantly Mexican-American Clinic Population, 2013-2016

Anthony Radosevich, MD/MPH, Capstone Course, 2013-2016

Eric Estrada, MD/MPH, Capstone Course, 2014-2017

Revised October 2024

Johanna Gerwer, MD/MPH, Capstone Course, 2014-2017

Carolyn Henkel, MD/MPH, Frequent Users of the Emergency Department on the US-Mexico Border: Determining Risk Factors to Inform Interventions, 2014-2017

Isis Lopez, MD/MPH, Capstone Course, 2014-2017

Courtney Miller, MD/MPH, Capstone Course, 2014-2017

Patrick O'Malley, MD/MPH, Capstone Course, 2014-2017

Laura Palmer, MD/MPH, Capstone Course, 2014-2017

Lorlyn Wilson, MD/MPH, Capstone Course, 2014-2017

Daniel Welder, MD/MPH, Capstone Course, 2015-2017

Elizabeth Lorence, Environmental MPH, Capstone Course (Houston campus), 2017

Jocelyn Antony, MD/MPH, Capstone Course, 2014-2018

Taylor Bramblett, MD/MPH, Real Life is Often Suboptimal: Delivery of Diabetic Patient Education in Family Medicine Practice, 2014-2018

Jisha Jose, MD/MPH, Capstone Course, 2014-2018

Jennifer Nielsen, MD/MPH, Perceived Benefits and Barriers of Physician Volunteerism in Free Clinics, 2014-2018

Mario Silva, Environmental MPH student, Capstone Course, 2018

Brian Wong, MD/MPH, Capstone Course, 2014-2018

Desiree Carmen, MD/MPH, Integrated Learning Experience, 2015-2019

Dana Galvan, MD/MPH, Integrated Learning Experience, 2015-2019

Karla Méndez, MPH, Integrated Learning Experience, 2018-2019

Asad Niazi, MD/MPH, Integrated Learning Experience, 2016-2019

Nawazish Palejwala, MD/MPH, Integrated Learning Experience, 2015-2019

Sumana Reddy, MD/MPH, Integrated Learning Experience, 2015-2019

Theresa Rodriguez, MD/MPH, Integrated Learning Experience, 2015-2019

Justin Thomas, MD/MPH, Integrated Learning Experience, 2015-2019

Angelina Baltazar, MPH, Integrated Learning Experience, 2014-2020

Joshua Dodderer, MD/MPH, Capstone Course, 2016-2020

Angie Macias, MD/MPH, Capstone Course, 2016-2020

Meena Manivannan, MD/MPH, Capstone Course, 2016-2020

Gabriela Mendez, MPH in Environmental and Occupational Health Sciences, 2018-2020

David Morris, MD/MPH, Capstone Course, 2016-2020

Abeer Ahmad, MPH, Integrated Learning Experience, 2018-2021

Joel DeLeeuw, MD/MPH, Integrated Learning Experience, 2017-2021

Anthony Do, MD/MPH, Integrated Learning Experience, 2017-2021

Roxann Lerma, MD/MPH, Integrated Learning Experience, 2017-2021

Alva Rodarte, MPH, Integrated Learning Experience, 2019-2021

Lynn Vu, MD/MPH, Integrated Learning Experience, 2017-2021

Madison Bencomo, EOHS MPH student, Integrated Learning Experience, 2019-2022

Victoria Diaz, MD/MPH student, Integrated Learning Experience, 2018-2022

Madeline Dixon, MD/MPH student, Integrated Learning Experience, 2018-2022

Kent Grimes, MD/MPH, Integrated Learning Experience, 2018-2022

Habiba Khan, MD/MPH, Integrated Learning Experience, 2018-2022

Diego Peralta, MPH, Integrated Learning Experience, 2019-2022

Rose Yeh, MD/MPH, Addressing Social Determinants of Health through Telemedicine, 2018-2022 (Academic Advisor/Thesis Committee Member)

Carlos Chavarria, EOHS MPH, Integrated Learning Experience, 2020-2022

Moatasem Azzam, Customized MPH, Integrated Learning Experience, 2021-2022

Maitreyee Berends, MD/MPH, Integrated Learning Experience, 2021-2023

Katie Clark, MPH (Austin campus), Thesis, 2021-2023 (Thesis Advisor)

Savannah Hernandez, EOHS MPH, Integrated Learning Experience, 2021-2023

Devin Jones, MD/MPH, Integrated Learning Experience, 2021-2023

Melissa Lerma, Customized MPH, Integrated Learning Experience, 2021-2023

Emily Bateman, MD/MPH, Integrated Learning Experience, 2020-2024

Keshav Bharadwaj, MD/MPH, Integrated Learning Experience, 2020-2024

Obaro Okopie, MD/MPH, Thesis, 2020-2024

Priya Patel, MD/MPH, Integrated Learning Experience, 2020-2024

Subodh Potla, MPH, Integrated Learning Experience, 2020-2024

Allison Spencer, EOHS MPH, Integrated Learning Experience, 2022-2024

Danielle Trevino, MD/MPH, Integrated Learning Experience, 2020-2024

Emily Zientek, MD/MPH, Integrated Learning Experience, 2020-2024

### **Other MPH and MS Student Committees**

Yvonne Vasquez, MPH, Antibiotic Susceptibility Patterns of Urinary Tract Pathogens in El Paso, Texas, 2002

Salina M. Torres, MPH, Do Research Subjects Who Provide Stool Samples for Stool Antigen Testing Differ from those Who Do Not on *Helicobacter pylori* Risk Factors?, 2002-2003

Valerie Cortez, MPH, Antimicrobial Resistance Patterns of Systemic Pathogens in a Public and Private Hospital in Ciudad Juarez, Mexico, 2004-2005

Enedina Sosa, MPH (Brownsville), Water Usage Trends and Future Water Planning Strategies in Region M, 2005-2006

John Alvarez, MPH, The Relationship Between Alcohol Consumption and HDL Cholesterol: A Study of Hispanic Drinking Patterns, 2008-2009

Roberto Trevizo, MPH, The Role of Social Support in HIV Prevention Among Young Latino Men Who Have Sex with Men, 2006-2010

Elke Cumming, MPH, Residents' Risk Perception Due to Operations of a Copper Smelter Located Near Residential Communities in El Paso, Texas, 2008-2010

Ramu Gudigantala, MPH, Capstone Course, 2008-2010

Fernando Sanchez, MPH, Capstone Course, 2006-2010

Leslie Platz, MPH (Austin), Capstone Course, 2009-2011

Janet Strachan, MPH, Elimination of Racial/Ethnic Hepatitis B Vaccination Disparities in the U.S. in the 2007-2008 National Health and Nutrition Examination Survey, 2009-2011

Tomas Villarreal, MD/MPH, Frontier Medicine: The Epidemiology of New Mexico Search and Rescue Operations, 2010-2013

Jeff Mohlman, MD/MPH, Cardiovascular Screening Behaviors, Acculturation, and Family Cohesiveness in the El Paso Borderland Area, 2012-2015

Cesar Navar, MPH, Ultraviolet Light Inactivation of Wild-type Adenovirus Isolates and Polyomaviruses JC and BK, 2015-2017

**STUDENTS – Graduated (Other Institutions)**

Joseph D. Carreon, MS, Risk of Infection by *Campylobacter*, *Salmonella*, and Norwalk Virus: A Novel Application of Quantitative Microbial Risk Assessment, 2002-2003, Department of Epidemiology and Biostatistics, The University of Arizona (Committee Member)

Alain Mota, MS, Risk Assessment of *Giardia* and *Cryptosporidium* in Irrigation Water from the Culiacan River, 2003-2004, Interdisciplinary Studies, University of Texas – El Paso (Chair)

Yolanda McDonald, MS, Not Being Connected to a Community Water System: Water Quality and Health in El Paso *Colonias*, 2011-2012, Sociology and Anthropology, University of Texas – El Paso (Committee Member)

Joy Archuleta-Truesdale, PhD, Refining Molecular Approaches for Bacterial Source Tracking (BST) in Texas, 2011-2013, Environmental Science and Engineering, University of Texas – El Paso (Committee Member)

Victoria Ochoa, PhD, Risk Assessment of Waterborne *Cryptosporidium*, 2012-2014, Environmental Science and Engineering, University of Texas – El Paso (Committee Member)

Anthony Lechuga, MPH, Barriers to Disaster Preparedness, Evacuation, and Emergency Response in the *Colonias* of El Paso County, 2012-2014, Department of Public Health Sciences, University of Texas – El Paso (Committee Member)

Isaac Campos, PhD, Evaluation of Point of Use Drinking Water Treatment Systems for Colonias in the Southwest United States, 2015-2016, Department of Civil Engineering, University of Texas – El Paso (Committee Member)

Jessi Howard, PhD, Bayou to Bench and Back: How Dissemination of Personal Air and Seafood Sample Results Are Improving Health Literacy in Southeast LA, 2016-2017, Tulane University (Committee Member)

Anna Gitter, MS, Application of Quantitative Microbial Risk Assessment and Bacterial Source Tracking to Assess the Human Health Risk from Multiple Fecal Sources during Recreational Exposure in the Leon River Watershed, 2016-2017, Texas A&M University, College Station (Committee Member)

Kyna Borel, PhD, Estimating Associated Human Health Risk from Recreational Exposures in Fresh Water Bodies Impacted by Multiple Fecal Sources, 2016-2018, Texas A&M University, College Station (Committee Member)

Ryan Bare, PhD, Forecasting and Quantifying Waterborne Pathogen Risk to Improve Public Health in Galveston Bay, Texas, 2017-2019, Texas A&M University, College Station (Committee Member)

Anna Gitter, PhD, Evaluating Microbial Risks in Private Wells and Recreational Waters, 2021, Texas A&M University, College Station (Committee Member)

Arahim Zuniga Herrera, MS, Evaluation of Changes in Behavior and Use of POU Systems in the Paso del Norte Region, 2021, Department of Environmental Engineering, University of Texas – El Paso (Committee Member)