

Taehyun Roh, PhD

Assistant Professor

Department of Epidemiology and Biostatistics

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Academic Training

2017 - 2019	Postdoctoral Scholar Department of Epidemiology School of Public Health University of California, Berkeley
2016	Ph.D. Human Toxicology University of Iowa
2010	M.Sc. Pharmacy (Toxicology) Sungkyunkwan University, Korea
2008	B.Pharm. Pharmacy Sungkyunkwan University, Korea

Licensure

2010	Registered Pharmacist Ministry of Health, Welfare and Family Affairs, Korea
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Professional Experience

2019 - Present	Assistant Professor Department of Epidemiology and Biostatistics School of Public Health Texas A&M University Health Science Center
2020 - Present	Resident Faculty Interdisciplinary Program in Toxicology Texas A&M University
2020 - Present	Adjunct Assistant Professor Department of Oncology Houston Methodist Cancer Center
2022 - Present	Faculty Fellow Center for Health and Nature

- 2017 - 2018 **Instructor**
Institute for Global Health Sciences
University of California, San Francisco
- 2017-2019 **Postdoctoral Scholar**
NIEHS Superfund Trainee
Department of Epidemiology
School of Public Health
University of California, Berkeley
- 2017 **Instructional Service Specialist**
Department of Occupational and Environmental Health
College of Public Health
University of Iowa
- 2010-2016 **Graduate Research Assistant**
NIEHS Superfund Trainee
Department of Epidemiology/ Occupational and Environmental Health
College of Public Health
University of Iowa
- 2010 **Researcher**
Institute of Pharmaceutical Science
Sungkyunkwan University, Korea
- 2008-2010 **Graduate Research Assistant**
College of Pharmacy
Sungkyunkwan University, Korea

Peer-Reviewed Publications

1. Hasan NT, Xu X, Han D, Sansom G, and **Roh T**. (2024) Association between urinary arsenic levels and kidney damage in US adults: NHANES 2007-2018. *Journal of Trace Elements in Medicine and Biology* 86:127559. (Biochemistry & Molecular Biology Rank 123/313, Q2, Impact Factor 3.6)
2. Hasan NT, Han D, Xu X, Sansom G, and **Roh T**. (2024) Relationship between low-level arsenic exposure in drinking water and kidney cancer risk in Texas. *Environmental Pollution* 363:125097. (Environmental Sciences Rank 37/358, Q1, Impact Factor 7.6)
3. Fawkes LS, **Roh T**, McDonald TJ, Chiu WA, Sansom GT. (2024) Using the 12-item short-form health survey (SF-12) to evaluate self-rated health in an environmental justice community. *Archives of Public Health* 82:186. (Public, Environmental & Occupational Health Rank 105/408, Q2, Impact Factor 3.2)
4. **Roh T**, Fields S, Sahu R, Trisha NF, Carrillo, G. (2024) Vaping behavior and intention to quit among undergraduate students in a Hispanic-serving university. *Journal of Community Health* 49:820–828. (Public, Environmental & Occupational Health Rank 33/408, Q1, Impact Factor 3.9)

5. Fawkes LS, Chiu WA, **Roh T**, McDonald TJ, Wade TL, Sansom GT. (2024) Human health risk assessment of heavy metals in residential soil - Houston, Texas. *Journal of Exposure Science and Environmental Epidemiology*. (Public, Environmental & Occupational Health Rank 54/408, Q1, Impact Factor 4.1)
6. **Roh T**, Regan A, Johnson N, Hasan NT, Aggarwal A, Han D. (2024) Association of arsenic exposure with measles antibody titers in US children: Influence of gender and serum folate levels. *Environmental International* 183:108329. (Environmental Sciences Rank 21/358, Q1, Impact Factor 10.3)
7. **Roh T**, Uyasmasi K, Aggarwal A, Obeng A, Carrillo G. (2023) Association between e-cigarette use and asthma among US adolescents: Youth Risk Behavior Surveillance System 2015–2018. *Preventive Medicine* 175:107695. (Medicine Rank 39/329, Q1, Impact Factor 4.3)
8. **Roh T**, Chukwuemeka E, Hendricks J, Hasan NT, Benden M. (2023) Examining workweek variations in computer usage patterns: an application of ergonomic monitoring software. *PLoS One* 18:e0287976. (Multidisciplinary Sciences Rank 29/134, Q1, Impact Factor 3.7)
9. Obeng A, **Roh T**, Uyasmasi K, Aggarwal A, Carrillo G. (2023) The contribution of secondhand tobacco smoke to blood lead levels in US children and adolescents: a cross-sectional analysis of NHANES 2015–2018. *BMC Public Health* 23:1129. (Public, Environmental & Occupational Health Rank 78/400, Q1, Impact Factor 3.7)
10. **Roh T**, Knappett P, Han D, Ludewig G, Kelly KM, Wang K, Weyer PJ. (2023) Characterization of arsenic and atrazine contaminations in drinking water in Iowa: a public health concern. *International Journal of Environmental Research and Public Health* 20:5397. (Environmental Sciences Rank 85/325, Q1, Impact Factor 4.6)
11. García-Salcedo JJ, **Roh T**, Nava-Rivera LE, Betancourt-Martínez ND, Carranza-Rosales P, Miguel-Salazar FS, Rivera-Guillén MA, Serrano-Gallardo LB, Niño-Castañeda MS, Guzmán-Delgado NE, Millán-Orozco J, Ortega-Morales N, Morán- Martínez J. (2022) Comparative biomonitoring of arsenic exposure in mothers and their neonates in Comarca Lagunera, Mexico. *International Journal of Environmental Research and Public Health* 19:16232. (Environmental Sciences Rank 85/325, Q1, Impact Factor 4.6)
12. Knappett P, Farias P, Miller GR, Hoogesteger J, Li Y, Mendoza I, Woodward RT, Hernandez H, Loza I, Datta S, Huang Y, Carrillo G, **Roh T**, Terrell D. (2022) A systems approach to remediating human exposure to arsenic and fluoride from overexploited aquifers. *GeoHealth* 6: e2022GH000592. (Public, Environmental & Occupational Health Rank 84/400, Q1, Impact Factor 4.8)
13. Dursun F, Mackay A, Guzman JC, Wenker E, Klaassen Z, O'Malley P, Bhindi B, Perez CO, Xu J, **Roh T**, Sonpavade G, Satkunasivam R. (2022) Utilization and outcomes of metastasectomy for patients with metastatic urothelial cancer: An analysis of the national cancer database. *Urologic Oncology: Seminars and Original Investigations* 40:61.e21–61.e28. (Urology & Nephrology Rank 53/125, Q2, Impact Factor 2.7)

14. Fawkes LS, McDonald TJ, **Roh T**, Chi WA, Taylor RJ, Sansom GT. (2022) A participatory-based research approach for assessing exposure to lead contaminated drinking water in the Houston neighborhood of the Greater Fifth Ward. *International Journal of Environmental Research and Public Health* 19:8135. (Environmental Sciences Rank 85/325, Q1, Impact Factor 4.6)
15. **Roh T**, Moreno-Rangel A, Baek J, Obeng A, Hasan NT, and Carrillo G. (2021) Indoor air quality and health outcomes in employees working from home during the COVID-19 pandemic: a pilot study. *Atmosphere* 12:1665. (Environmental Sciences Rank 190/334, Q2, Impact Factor 2.9)
16. Carrillo G, **Roh T**, Baek J, Chong-Menard B, Ory M. (2021) Evaluation of Healthy South Texas Asthma Program on improving health outcomes and reducing health disparities among the underserved Hispanic population: Using the RE-AIM mode. *BMC Pediatrics* 21:510. (Pediatrics Rank 49/187, Q2, Impact Factor 2.4)
17. Moreno-Rangel A, Baek J, **Roh T**, Xu X, Carrillo G. (2020) Assessing impact of household intervention on indoor air quality and health of children with asthma in the US-Mexico border: a pilot study. *Journal of Environmental and Public Health* 6042146. (Public, Environmental & Occupational Health Rank 168/392, Q2, Impact Factor 2.8)
18. John J, Baek J, **Roh T**, Cabrera-Conner L, Carrillo G. (2020) Regional disparity in asthma prevalence and distribution of asthma education programs in Texas. *Journal of Environmental and Public Health* 9498124. (Public, Environmental & Occupational Health Rank 168/392, Q2, Impact Factor 2.8)
19. Khan AF, Smith MH, **Roh T**, Liaw J, Kalman D, Balmes J, Yuan Y, Steinmaus C, Smith AH. (2020) Prospective cohort study of respiratory effects at ages 14 to 26 following early life exposure to arsenic in drinking water. *Environmental Epidemiology*, 4:e089. (Environmental Sciences Rank 142/334, Q2, Impact Factor 3.6)
20. Chung BY, Choi SM, **Roh T**, Lim DS, Ahn MY, Kim YJ, Kim HS, Lee BM. (2019) Risk assessment of phthalates in pharmaceuticals. *Journal of Toxicology and Environmental Health, Part A*, 82:351-360. (Environmental Sciences Rank 145/334, Q2, Impact Factor 2.6)
21. Eick S, Ferreccio C, Acevedo J, Catriota, F, Cordero JF, **Roh T**, Smith AH, Smith M, Steinmaus C. (2019) Socioeconomic status and the association between arsenic exposure and type 2 diabetes in Northern Chile. *Environmental Research*, 172:578-585. (Environmental Sciences Rank 15/334, Q1, Impact Factor 8.3)
22. **Roh T**, Steinmaus C, Marshall G, Ferreccio C, Liaw J, Smith AH. (2018) Age at exposure on mortality associated with arsenic in drinking water. *American Journal of Epidemiology*, 187:2297-2305. (Public, Environmental & Occupational Health Rank 49/400, Q1, Impact Factor 5.0)
23. Smith AH, Marshall G, **Roh T**, Ferreccio C, Liaw J, Steinmaus C. (2018) Lung, bladder and kidney cancer mortality 40 years after arsenic exposure reduction. *Journal of National Cancer Institute*, 110:241-249. (Oncology 18/318, Q1, Impact Factor 10.3)
24. Kim DH, Choi SM, Lim DS, **Roh T**, Kwack SJ, Yoon S, Kim MK, Yoon KS, Kim HS, Kim DW, Lee BM. (2018) Risk assessment of endocrine disrupting phthalates and hormonal alterations in children

- and adolescents. *Journal of Toxicology and Environmental Health, Part A*, 81:1150-1164. (Environmental Sciences Rank 145/334, Q2, Impact Factor 2.6)
25. Lim DS, **Roh T**, Kim MK, Kwon YC, Choi SM, Kwack SJ, Kim KB, Yoon S, Kim HS, Lee BM. (2018) Risk assessment of N-nitrosodiethylamine (NDEA) and N-nitrosodiethanolamine (NDELA) in cosmetics. *Journal of Toxicology and Environmental Health, Part A*, 81:465-480. (Environmental Sciences Rank 145/334, Q2, Impact Factor 2.6)
26. Lim DS, **Roh T**, Kim MK, Kwon YC, Choi SM, Kwack SJ, Kim KB, Yoon S, Kim HS, Lee BM. (2018) Non-cancer, cancer, and dermal sensitization risk assessment of heavy metals in cosmetics. *Journal of Toxicology and Environmental Health, Part A*, 81:432-452. (Environmental Sciences Rank 145/334, Q2, Impact Factor 2.6)
27. **Roh T**, De U, Lim SK, Kim MK, Choi SM, Lim DS, Yoon S, Kacew S, Kim HS, Lee BM. (2018) Detoxifying effect of pyridoxine on acetaminophen-induced hepatotoxicity via suppressing oxidative stress in Nrf2 signaling pathway. *Food and Chemical Toxicology*, 114:11-22. (Toxicology Rank 14/101, Q1, Impact Factor 4.3)
28. Lim DS, Lim SK, Kim MK, Kwon YC, **Roh T**, Choi SM, Yoon S, Kim HS, Lee BM. (2018) Formation and inhibition of N-nitrosodiethanolamine in cosmetics under pH, temperature, and fluorescent, ultraviolet, and visual light. *Journal of Toxicology and Environmental Health, Part A*, 81: 241-253. (Environmental Sciences Rank 145/334, Q2, Impact Factor 2.6)
29. Choi SM, **Roh T**, Lim DS, Kacew S, Kim HS, Lee BM. (2018) Risk assessment of benzalkonium chloride in cosmetic products. *Journal of Toxicology and Environmental Health, Part B*, 21:8-23. (Toxicology Rank 5/94, Q1, Impact Factor 7.2)
30. **Roh T**, Lynch CF, Weyer PJ, Wang K, Kelly KM, Ludewig G. (2017) Low-level arsenic exposure from drinking water and its association with prostate cancer in Iowa. *Environmental Research*, 159:338-343. (Environmental Sciences Rank 15/334, Q1, Impact Factor 8.3)
31. Kim KB, Kim YW, Lim SK, **Roh T**, Bang DY, Choi SM, Lim DS, Kim YJ, Baek SH, Kim MK, Seo HS, Kim MH, Kim HS, Lee JY, Kacew S, Lee BM. (2017) Risk assessment of zinc oxide, a cosmetic ingredient used as a UV filter of sunscreens. *Journal of Toxicology and Environmental Health, Part B*, 20:155-182. (Toxicology Rank 5/94, Q1, Impact Factor 7.2)
32. Kim MJ, Kwack SJ, Lim SK, Kim YJ, **Roh T**, Choi SM, Kim HS, Lee BM. (2015) Toxicological evaluation of isopropylparaben and isobutylparaben mixture in Sprague-Dawley rats following 28 days of dermal exposure. *Regulatory Toxicology and Pharmacology*, 73:544-551. (Toxicology Rank 19/101, Q1, Impact Factor 3.4)
33. Lim SK, Shin HS, Yoon KS, Kwack SJ, Um YM, Hyeon JH, Kwak HM, Kim JY, Kim TY, Kim YJ, **Roh T**, Lim DS, Shin MK, Choi SM, Kim HS, Lee BM. Risk assessment of volatile organic compounds benzene, toluene, ethylbenzene, and xylene (BTEX) in consumer products. (2014) *Journal of Toxicology and Environmental Health, Part A*, 77:1502-1521. (Environmental Sciences Rank 145/334, Q2, Impact Factor 2.6)

34. Kwack SJ, Kim DY, Kim YJ, **Roh T**, Choi SM, Lim DS, Shin HS, Kim HS, Lee BM. (2014) Potential application of benzo(a)pyrene-associated adducts (globin or lipid) as blood biomarkers for target organ exposure and human risk assessment. *Journal of Toxicology and Environmental Health, Part A*, 77:1491-1501. (Environmental Sciences Rank 145/334, Q2, Impact Factor 2.6)
35. Kwack SJ, Do SG, Kim YW, Kim YJ, Gwak HM, Park HJ, **Roh T**, Shin MK, Lim SK, Kim HS, Lee BM. (2014) The No-Observed-Adverse-Effect Level (NOAEL) of Baby Aloe Powder (BAP) for Nutraceutical Application Based Upon Toxicological Evaluation. *Journal of Toxicology and Environmental Health, Part A*, 77:1319-1331. (Environmental Sciences Rank 145/334, Q2, Impact Factor 2.6)
36. **Roh T**, Kwak MY, Kwak EH, Kim DH, Han EY, Bae JY, Bang DY, Lim DS, Ahn IY, Jang DE, Lim SK, Yoo SD, Kwack SJ, Park KL, Lee YJ, Kim KB, Lee J, Kim HS, Lee BM. (2012) Chemopreventive mechanisms of methionine on inhibition of benzo(a)pyrene-DNA adducts formation in human hepatocellular carcinoma HepG2 cells. *Toxicology Letters*, 208:232–238. (Toxicology Rank 22/101, Q1, Impact Factor 3.5)
37. Choi L, Kwak MY, Kwak EH, Kim DH, Han EY, **Roh T**, Bae JY, Ahn IY, Jang DE, Lim SK, Kwack SJ, Han SY, Kang TS, Kim SH, Kim HS, Lee BM. (2010) Comparative nephrotoxicity induced by melamine, cyanuric acid, or a mixture of both chemicals in either Sprague-Dawley rats or renal cell lines. *Journal of Toxicology and Environmental Health, Part A*, 73:1407–1419. (Environmental Sciences Rank 145/334, Q2, Impact Factor 2.6)

In Progress

38. Svetlik AE, Hasan NT, Trisha NF, White DW, Satkunasivam R, Johnson NM, **Roh T**. (2024) Association of arsenic exposure with PDGF-BB *in vitro* and in a South Texas population exposed through drinking water. *Toxicology and Applied Pharmacology (R&R)* (Toxicology Rank 19/106, Q1, Impact Factor 3.6).
39. **Roh T**, Verzwylt AL, Aggarwal A, Satkunasivam R, Hasan NT, Trisha NF, Hall C. (2024) Feasibility of hydroponic vegetable gardening to improve mental health and quality of life in cancer patients. *Preventive Medicine Reports* (under review). (Public, Environmental & Occupational Health Rank 158/408, Q2, Impact Factor 2.5)
40. Lim DS, Han EY, Choi SM, **Roh T**, Kim HS, Lee BM. (2024) Comparative risk assessment of phthalate diesters (DEHP, DBP) in lactating mothers and breastfed babies by monitoring breast milk, cow's milk, and infant formula. *Journal of Hazardous Materials* (under review) (Environmental Sciences Rank 12/358, Q1, Impact Factor 12.2).
41. Sansom GT, Sansom L, **Roh T**, Gomez L, Cases R, Hernandez R, Zheng J, Newman G, Sharkey J. (2024) Community-engaged science along the US-Mexico border: Methodologies for community participation in environmental research. *Journal of Environmental Justice* (under review).
42. Fawkes LS, McDonald TJ, Chiu WA, **Roh T**, Wade TL, Sansom GT. (2024) Spatial distribution of soil contaminants and potential human health risks within a confirmed cancer cluster in the Greater

Fifth Ward Houston, Texas. *Environmental Research* (under review). (Environmental Sciences Rank 15/334, Q1, Impact Factor 8.3).

43. Park JH, Prochnow T, Lee JM, **Roh T**. (2025) Impact of Physical Activity on Smoking, Sleep Disorders, and Depression Among US Adults. *Health Education & Behavior* (under review). (Public, Environmental & Occupational Health Rank 88/408, Q1, Impact Factor 2.7).

In Preparation

44. **Roh T**, Satkunasivam, R, White DW, Hasan NT, Trisha NF, Knappett P, Han D. A community-engaged approach to assess arsenic exposure in private well users in rural communities: The South Texas Arsenic Research Project.
45. **Roh T**, Han D, Johnson N, Wang T, Hasan NT. Exposure to arsenic from drinking water risk of COVID-19 infection and death in Texas.
46. **Roh T**, Trisha NF, Smith L, and Hasan NT. Association between urinary glyphosate and kidney function among US adults: NHANES 2013-2014.
47. Smith L, Trisha NF, Hasan NT, **Roh T**. Association of vitamin D insufficiency with asthma: results from National Health and Nutrition Examination Survey, 2017-2018.
48. **Roh T**, Trisha NF, Hasan NT, Upadhyay A, Johnson N. The association between exposure to uranium and arsenic and chronic kidney disease among US adults: NHANES 2007-2016.
49. Trisha, NF, Hasan NT, **Roh T**. The associations between urinary iodine concentrations and dyslipidemia among US adults: a cross-sectional study.
50. Hasan NT, Trisha NF, **Roh T**. Urinary phthalate metabolites and risk of dyslipidemia among adult population in the US.
51. Hasan NT, Shah N, Trisha NF, Carrillo G, **Roh T**. Phthalate exposure and respiratory diseases among adults and children: the US NHANES 2007-2016.
52. **Roh T**, Hasan NT, and Roy HK. Association between drinking water arsenic levels and incidence of digestive cancers in the Texas population.

Other Publications

Book Chapter

1. **Roh T**, Aggarwal A, Hasan NT, Upadhyay A, Trisha NF. Pesticides and cancer. Bernicker EH (Ed.) *Environmental Oncology: Theory and Impact*. Springer 2023.

Policy Brief

1. **Roh T**, Smith L, Joya D, Khodakarami N, Ferdinand AO. Trends in urban-rural and racial/ethnic disparities in hospitalizations associated with the top 5 cancers: 2015 – 2020. Policy Brief. Southwest Rural Health Research Center (R&R).

Research Support/ Grants

Current

- 2025-2028 Safer Water Projects
 Funding: Methodist Healthcare Ministries of South Texas
 Role: PI
 Direct Cost: \$5,000,000
- 2024-2026 ACEND Targeted Proposal Team: Center for Healthy, Equitable, And Resilient
 Transportation + Environment in Texas (C-HEaRT)
 Funding: Texas A&M University
 Role: Co-Investigator (PI: Chanam Lee)
 Direct Cost: \$250,000
- 2023-2025 Implementation of a school-based e-cigarette prevention education for youth in a Hispanic
 majority community
 Funding: Global Institute for Hispanic Health
 Role: PI
 Direct Cost: \$50,000

Completed

- 2022-2024 Safer Water Projects
 Funding: Methodist Healthcare Ministries of South Texas
 Role: PI
 Direct Cost: \$1,730,000
- 2022-2023 Association of exposure to arsenic and uranium and risk of chronic kidney disease
 Funding: National Institute of Environmental Health Sciences P30
 Texas A&M Integrative Health Sciences Facility Core Grant
 Role: PI
 Direct Cost: \$12,120
- 2021-2023 Exploration of early-stage biomarkers of urothelial cell transformation induced by chronic
 arsenic exposure
 Funding: Houston Methodist Cancer Center Innovation Award
 Role: PI
 Direct Cost: \$100,000
- 2021-2023 Water quality and chronic kidney disease
 Funding: Texas A&M Health Science Center Seedling Grant Fund
 Role: PI
 Direct Cost: \$60,000
- 2021-2023 Grow It Yourself: the effect of hydroponic vegetable gardening on improving quality of
 life in cancer patients and their caregivers
 Funding: Center for Health and Nature Innovation Fund
 Role: PI
 Direct Cost: \$25,000
- 2022-2023 Trends and predictors of urban-rural and racial/ethnic disparities in hospitalizations
 associated with the top 5 cancers

- Funding: Federal Office of Rural Health Policy, Health Resources and Services Administration
Role: Co-PI
Direct Cost: \$67,000
- 2021-2022 Cancer prevention through identification and reduction of arsenic exposure from private wells in rural Texas
Funding: Houston Methodist Cancer Center Community Outreach and Engagement Initiative
Role: PI
Direct Cost: \$50,000
- 2020-2021 Bladder cancer risk from arsenic in drinking water and intervention to reduce the risk in rural population, Texas
Funding: National Institute of Environmental Health Sciences P30
Texas A&M Center for Environmental Health Research Pilot Grant
Role: PI
Direct Cost: \$75,750
- 2020-2021 Impact of drinking water contaminants on cancer rates in Texas
Funding: Texas A&M University Triads for Transformation
Role: PI
Direct Cost: \$32,000
- 2020 Association of exposure to water contaminants and COVID-19 infection in Texas
Funding: National Institute of Environmental Health Sciences P30
Texas A&M Integrative Health Sciences Facility Core Grant
Role: PI
Direct Cost: \$12,000
- 2019-2020 Healthy South Texas Asthma Program
Funding: State of Texas
Role: Co-Investigator (PI: Genny Carrillo)
Direct Cost: \$300,000
- 2017-2019 Cohort follow-up study of children exposed to arsenic in utero and early childhood
Funding: National Institute of Environmental Health Sciences
Role: Postdoctoral Fellow (PI: Allan H Smith)
Direct Cost: \$308,411

Pending

- 2025 Impact of Chronic Arsenic Exposure from Drinking Water on Male Infertility and Community Intervention in Comarca Lagunera, Mexico
Funding: National Institute of Environmental Health Sciences
Role: Co-Investigator (PI: Peter Knappett)
Direct Cost: \$286,972
- 2025 Unraveling the interplay between arsenic and colorectal cancer
Funding: National Institutes of Health
Role: Co-Investigator (PI: Hemant Roy)
Direct Cost: \$500,000

- 2024 Unraveling and mitigating the impact of arsenic on the increased toll of colorectal cancer in the military
Funding: Department of Defense
Role: Co-PI (PI: Hemant Roy)
Direct Cost: \$800,000
- 2024 Integration and analysis of existing datasets to elucidate E-M plasticity-specific TNBC risk among the African American population
Funding: National Cancer Institute
Role: Co-Investigator (PI: Kumaraswamy Naidu Chitralla)
Direct Cost: \$150,000
- 2023 DISES: Strengthening cooperation through sharing knowledge of a coupled hydro-health-economic system with stakeholders in Mexico
Funding: National Science Foundation
Role: Co-PI (PI: Peter Knappett)
Direct Cost: \$1,799,873
- 2023 C-HearT: The Center for Healthy, Equitable, and Resilient Transportation + Environment in Texas
Funding: National Institutes of Health
Role: Co-Investigator (PI: Chanam Lee)
Direct Cost: \$3,813,728
- 2023 Developing tailored intervention messages to reduce vaping among college students: a protocol development study
Funding: National Institutes of Health
Role: Co-Investigator (PI: Genny Carrillo)
Direct Cost: \$673,802
- 2023 Maternal exposure to hydraulic fracturing and earlier childhood cancer risk in Texas
Funding: National Institutes of Health
Role: Co-Investigator (PI: Xiaohui Xu)
Direct Cost: \$409,632

Invited Presentations

1. **Roh T.** (2024) Water Quality in Border Communities and Revision of Arsenic Risk Assessment. EPA Office of Water Director Meeting, Washington DC (Sep 25, 2024)
2. **Roh T.** (2024) Burden of arsenic exposure in private well users in rural south Texas: a community-engaged biomonitoring study. National Institute of Environmental Health Science Core Centers Annual Meeting, Baltimore (Sep 24, 2024)
3. **Roh T.** (2024) Bridging epidemiological research to community-engaged action: Addressing arsenic exposure from drinking water. Toxic Substances Coordinating Committee Meeting, Texas Department of State Health Services (Mar 19, 2024)
4. **Roh T.** (2022) Cancer and arsenic in rural water wells. Lunch and Learn, School of Nursing, Texas A&M University (Nov 8, 2022)

5. **Roh T.** (2022) Arsenic in well water and cancer risk in south Texas. Community Action Council Meeting, Houston Methodist Cancer Center (Oct 5, 2022)
6. **Roh T.** (2022) Grow It Yourself: the effect of hydroponic vegetable gardening for health. Nurtured by nature, Houston Botanic Garden (May 21, 2022)
7. **Roh T.** (2022) South Texas Arsenic Study: domestic well arsenic surveillance in south Texas. Houston Methodist Neal Cancer Center Retreat (May 13, 2022)
8. Kash B, Maddock J, **Roh T.** (2021) Center for Health and Nature. School of Public Health Research Seminar Series, Texas A&M University (Nov 12, 2021)
9. **Roh T.** (2021) Epidemiological approach to assess health effects of arsenic exposure from drinking water. Toxicology Seminar Series, Texas A&M University (Feb 1, 2021)
10. **Roh T.** (2020) Grow It Yourself: The effect of hydroponic vegetable gardening on improving quality of life in cancer patients and their caregivers. Center for Health and Nature Symposium (Oct 12, 2020)
11. **Roh T,** Steinmaus C, Ludewig G, Han D, Tracy J. (2020) Global public health threat from arsenic in drinking water: current epidemiological evidence and future direction. Geological Society of America (Oct 29, 2020)
12. **Roh T.** (2020) EDCs, Glyphosate, Arsenic and Cancer Risks. CHE Webinar Series. The Collaborative on Health and the Environment (Apr 15, 2020)

Peer-Reviewed Presentations

1. **Roh T,** Satkunasivam R, White DW, Hasan NT, Trisha NF, Han D, Xu, X. (2024). A community-engaged approach to assess arsenic exposure in private well users in rural communities: The South Texas Arsenic Research Project. The 2024 International Society for Environmental Epidemiology Annual Conference.
2. **Roh T,** Svetlik A, Johnson NM, Satkunasivam R, and White DW. (2024). A participatory intervention to mitigate arsenic exposure from drinking water and kidney damage. The 2024 International Society for Environmental Epidemiology Annual Conference.
3. Hasan NT, Han D, Xu, X, Sansom G, **Roh T.** (2024). Association between urinary arsenic levels and kidney damage in US adults. The 2024 International Society for Environmental Epidemiology Annual Conference.
4. **Roh T,** Hasan NT, and Roy HK. (2024) Association between drinking water arsenic levels and incidence of digestive cancers in the Texas population. The 2024 Society of Toxicology Annual Meeting (Salt Lake City, Utah)
5. Hasan NT, Trisha NF, and **Roh T.** (2024) Association between arsenic exposure from drinking water and kidney cancer risk in Texas. The 2024 Society of Toxicology Annual Meeting (Salt Lake City, Utah)

6. Morales K, Hasan NT, Johnson N, and **Roh T**. (2024) Trends and disparities in urinary bladder cancer incidence and mortality in Texas and the US: 2006-2020. The 2024 Society of Toxicology Lone Star Chapter Meeting (Galveston, Texas)
7. Trish NF, **Roh T**, Fields S, and Carrillo G. (2024) Vaping knowledge, attitudes, and campus policy awareness among college students. The 2024 Society of Toxicology Lone Star Chapter Meeting (Galveston, Texas)
8. **Roh T**, Trisha NF, Smith L, and Hasan NT. (2023) Association between urinary glyphosate and kidney function among US adults: NHANES 2013-2014. The 2023 Society of Toxicology Annual Meeting (Nashville, Tennessee)
9. Smith L, Trisha NF, Hasan NT, **Roh T**. (2023) Association of vitamin D insufficiency with asthma: results from National Health and Nutrition Examination Survey, 2017-2018. The 2023 Society of Toxicology Annual Meeting (Nashville, Tennessee)
10. Svetlik A, Mustapha TA, Hasan NF, Johnson NM, **Roh T**. (2023) A translational model using *in vitro* and urinary biomarkers to inform bladder cancer risk from arsenic exposure in South Texas. The 2023 Society of Toxicology Annual Meeting (Nashville, Tennessee)
11. Farias-Serra P, Knappett P, Jaime H, **Roh T**, Terrell D, Mora-Polanco A. (2022) Waterborne arsenic and fluoride exposure in Mexico: risk assessment and epidemiological research on their health effects. The 2022 International Society for Environmental Epidemiology Annual Conference (Athens, Greece)
12. Schmitt HN, Knappett P, **Roh T**, Buskirk ZE, Stephens A, Fitzpatrick L. (2022). Distribution and sources of health-related contaminants in private groundwater wells in the Gulf Coast aquifer, Texas. 2022 Goldschmidt Conference (Honolulu, Hawaii)
13. **Roh T**, Hasan NT, Trisha NF, Johnson N, Han D. (2022) Association between exposure to uranium and arsenic and chronic kidney disease among US adults: NHANES 2007-2016. The 2022 Society of Toxicology Annual Meeting (virtual)
14. Hasan NT, Trisha NF, **Roh T**. (2022) Urinary phthalate metabolites and risk of dyslipidemia among adult population in the US: NHANES 2007-2016. The 2022 Society of Toxicology Annual Meeting (virtual)
15. Trisha NF, Hasan NT, **Roh T**. (2022) Associations between urinary iodine concentrations and dyslipidemia among US adults: a cross-sectional study. The 2022 Society of Toxicology Annual Meeting (virtual)
16. **Roh T**, Moreno-Rangel A, Baek J, Obeng A, Carrillo G. (2021) The impact of working from home during COVID-19 pandemic on employee's health: Implication of indoor air quality. The 2021 American Public Health Association Annual Meeting (virtual)
17. **Roh T**, Han D, Wang T, Knappett P, Tracy J. (2021) Estimating the occurrence of arsenic in residential drinking water and population with potential high arsenic exposure in Texas. The 2021 International Society for Environmental Epidemiology Annual Conference (virtual)

18. **Roh T**, Han D, Johnson N, Wang T, Hasan NT. (2021) The association of exposure to arsenic from drinking water with COVID-19 infection and mortality in Texas. The 2021 Society of Toxicology Annual Meeting (virtual)
19. **Roh T**, Hasan NT, Knappett P, Han D. (2021) The association of fluoride exposure with insulin resistance and prediabetes in US children and adolescents. The 2021 Society of Toxicology Annual Meeting (virtual)
20. Moreno-Rangel A, **Roh T**, Wang T, Baek J, Corner L, Carrillo G. (2021) Reviewing the impact of indoor air quality management and asthma education on asthmatic children's health outcomes – A pilot study. Health Building Europe 2021, International Society of Indoor Air Quality and Climate (virtual)
21. **Roh T**, Shah NC, Hasan NT, Johnson NM, Carrillo G. (2020) Arsenic exposure and measles antibody titers in the US children: NHANES 2003-2004 and 2009-2010. The 2020 International Society for Environmental Epidemiology Annual Conference (virtual)
22. Shah NC, Hasan NT, **Roh T**. (2020) Trends in arsenic exposure among the US population: findings from the National Health and Nutritional Examinations Survey, 2007–2016. The 2020 International Society for Environmental Epidemiology Annual Conference (virtual)
23. Hasan NT, Shah NC, **Roh T**. (2020) Phthalate exposure and respiratory diseases among adults and children: the US NHANES 2007-2016. The 2020 International Society for Environmental Epidemiology Annual Conference (virtual)
24. **Roh T**, Steinmaus C, Marshall G, Ferreccio C, Liaw J, Smith AH. (2018) Effect of age at exposure on cancer mortality associated with arsenic in drinking water. The 2018 Superfund Research Program Annual Meeting (Sacramento, California)
25. **Roh T**, Steinmaus C, Marshall G, Ferreccio C, Liaw J, Smith AH. (2018) Arsenic and bladder cancer: very high mortality continues >50 years after first high exposure. The 2018 Joint Annual Meeting of the International Society of Exposure Science and the International Society for Environmental Epidemiology (Ottawa, Canada)
26. **Roh T**, Lynch C, Weyer P, Wang K, Ludewig G. (2017) Low-level arsenic exposure from drinking water and prostate cancer in Iowa. The 56th Society of Toxicology Annual Meeting (Baltimore, Maryland)
27. **Roh T**, Kelly KM, Wang, K, Lynch CF, Weyer PJ, Ludewig G. (2016) Arsenic exposure from drinking water and the risk of prostate cancer in Iowa: an ecological study. The 2016 Central States Society of Toxicology Annual Meeting (Iowa City, Iowa)
28. **Roh T**, Ludewig G. (2016) Disparities of trends in major cancers in Iowa and the US. The 2016 Holden Comprehensive Cancer Center Scientific Retreat (Coralville, Iowa)
29. Kyung MJ, Kim YW, **Roh T**, Kim MJ, Nam YA, Chung BY, Bang DY, Lim SK, Kwon MJ, Cho MC, and Kwack SJ. (2012) Methionine inhibits benzo (a) pyrene-DNA adducts formation in human

hepatocellular carcinoma HepG2 cells. The 6th International Congress of Asian Society of Toxicology (Sendai, Japan)

30. **Roh T**, and Lee BM. (2009) Chemoprotective effects of pyridoxine, methionine and betaine on acetaminophen-induced hepatotoxicity in vitro. The 4th Sungkyunkwan College of pharmacy research day 2009 (Suwon, Korea)
31. **Roh T**, Bang DY, Choi L, Kwak EH, Kwak MY, Song CJ, Kim DH, Jang DE, and Lee BM. (2009) Hazard prioritization of endocrine disrupting chemicals. The 5th International Congress of Asian Society of Toxicology (Taipei, Taiwan)
32. **Roh T**, Kwak EH, Lim DS, Bang DY, Choi L, Jang DE, Kim DH, Kwak MY, Kwack SJ, Kim KB, Kim HS, and Lee BM. (2009) Dietary risk assessment of bisphenol A in canned food. The 5th International Congress of Asian Society of Toxicology (Taipei, Taiwan)

Media Coverage

1. *13 Investigates: Tests show lead in some water samples in Montgomery County neighborhood.* ABC13 Houston (Feb 19, 2025) <https://abc13.com/post/13-investigates-tests-show-lead-water-samples-indian-forest-neighborhood-montgomery-county/15928770/>
2. *'Improving water infrastructure is essential': Study examines arsenic in colonias' drinking water.* Texas Public Radio (Feb 17, 2025) <https://www.texasstandard.org/stories/texas-colonias-water-study-contaminants-arsenic/>
3. *Fronteras: 'Improving water infrastructure is essential' — 2-year study examines arsenic in RGV colonias' drinking water.* Texas Public Radio (Feb 14, 2025) <https://www.tpr.org/podcast/fronteras/2025-02-14/fronteras-improving-water-infrastructure-is-essential-2-year-study-examines-arsenic-in-rgv-colonias-drinking-water>
4. *'Alarming' findings show arsenic in water at each home tested in Alamo, Progreso colonias.* The Monitor (Jan 31, 2025) https://myrgv.com/local-news/2025/01/31/alarming-findings-show-arsenic-in-water-at-each-home-tested-in-alamo-progreso-colonias/#google_vignette
5. *Arsenic exposure — including from drinking water — linked to kidney damage for US adults.* Healio (Jan 10, 2025) <https://www.healio.com/news/nephrology/20250110/arsenic-exposure-including-from-drinking-water-linked-to-kidney-damage-for-us-adults>
6. *Researchers discover Valley groundwater may increase risk of cancer.* KRGV-ABC (Dec 24, 2024) <https://www.krgv.com/news/researchers-discover-valley-groundwater-may-increase-risk-of-cancer>
7. *Doctors warn rapidly growing cancer is linked to tap water drunk by 40m Americans.* Daily Mail (Dec 4, 2024) <https://www.dailymail.co.uk/health/article-14157531/cancer-linked-tap-water-americans.html>
8. *Study: Even Low Levels Of Arsenic In Drinking Water Raise Kidney Cancer Risk.* Texas A&M Today (Dec 2, 2024) <https://today.tamu.edu/2024/12/02/study-even-low-levels-of-arsenic-in-drinking-water-raise-kidney-cancer-risk/>

9. *Soil Sampling In Houston's Greater Fifth Ward Reveals Toxic Levels Of Lead In Yards, Play Areas.* Texas A&M Today (Nov 5, 2024) <https://today.tamu.edu/2024/11/05/soil-sampling-in-houstons-greater-fifth-ward-reveals-toxic-levels-of-lead-in-yards-play-areas/>
10. *'One size does not fit all' when addressing vaping by college students.* Texas A&M Today (May 28, 2024) <https://vitalrecord.tamhsc.edu/one-size-does-not-fit-all-when-addressing-vaping-by-college-students/>
11. *Kellogg's is letting workers clock off at 12 p.m. on Fridays—but only if they make up the hours during the week.* Fortune (May 7, 2024) <https://fortune.com/europe/2024/05/07/kelloggs-workers-clock-off-noon-fridays-hours-during-week/>
12. *E-cigarette use linked to asthma among adolescents with no other smoking history.* Healio (Oct 4, 2023) <https://www.healio.com/news/allergy-asthma/20231004/ecigarette-use-linked-to-asthma-among-adolescents-with-no-other-smoking-history>
13. *Vaping Raises a Teen's Odds of Developing Asthma.* US News & World Report (Sep 22, 2023) <https://www.usnews.com/news/health-news/articles/2023-09-22/vaping-raises-a-teens-odds-of-developing-asthma>
14. *Study finds vaping causes Asthma in kids.* Fox26 Houston (Sep 19, 2023) <https://www.fox26houston.com/news/study-finds-vaping-causes-asthma-in-kids>
15. *Researchers Find Association Between Vaping And Asthma Among US Adolescents.* Texas A&M Today (Sep 18, 2023) <https://today.tamu.edu/2023/09/18/researchers-find-association-between-vaping-and-asthma-among-us-adolescents/>
16. *Secondhand smoke may be a substantial contributor to lead levels found in children and adolescents, new study finds.* The Conversation (Sep 7, 2023) <https://theconversation.com/secondhand-smoke-may-be-a-substantial-contributor-to-lead-levels-found-in-children-and-adolescents-new-study-finds-212256>
17. *Another Source of Lead Exposure for Kids: Secondhand Smoke.* HealthyDay News (Aug 23, 2023) <https://consumer.healthday.com/lead-poisoning-2664049692.html>
18. *Lead Exposure Harmful to Kids.* The Healthy Pioneer (Aug 20, 2023) <https://www.dailypioneer.com/2023/sunday-edition/lead-exposure-harmful-to-kids.html>
19. *Texas A&M steps in to uncover arsenic problems in Valley water system.* KRGV-ABC (Aug 15, 2023) <https://www.krgv.com/news/customers-on-military-highway-concerned-with-water-contamination>
20. *Texas A&M Study Finds Secondhand Smoke May Be Source Of Lead Exposure In Children.* Texas A&M Today (Aug 15, 2023) <https://today.tamu.edu/2023/08/15/texas-am-study-finds-secondhand-smoke-may-be-source-of-lead-exposure-in-children/>
21. *More Typos: Workers' Mistakes Rise on Fridays, Study Shows.* US News (Aug 4, 2023) <https://www.usnews.com/news/health-news/articles/2023-08-04/more-typos-workers-mistakes-rise-on-fridays-study-shows>

22. *Workers are laziest at this time — on this day of the week.* New York Post (Aug 3, 2023)
<https://nypost.com/2023/08/03/workers-are-lazier-at-this-time-on-this-day-of-the-week/>
23. *Workers Are Less Productive And Make More Typos In The Afternoon – Especially On Fridays.* Texas A&M Today (Aug 2, 2023)
<https://today.tamu.edu/2023/08/02/workers-are-less-productive-and-make-more-typos-in-the-afternoon-especially-on-fridays/>
24. *Study finds secondhand smoke may be source of lead exposure in children, adolescents.* Vital Record, Texas A&M Health (Jul 19, 2023)
<https://vitalrecord.tamhsc.edu/researchers-find-secondhand-smoke-may-be-source-of-lead-exposure-in-children-adolescents/>
25. *Toxic water in South Texas colonias costs residents precious health and money.* Texas Public Radio (Jun 20, 2023)
<https://www.tpr.org/border-immigration/2023-06-16/the-cost-of-clean-water-in-south-texas-colonias-is-paid-for-in-lives>
26. *How Does Arsenic Pass Between Mothers and Babies?* Media India (Feb 15, 2023)
<https://www.medindia.net/news/healthwatch/how-does-arsenic-pass-between-mothers-and-babies-210495-1.htm>
27. *Infant Arsenic Exposure May Be Reduced by Breastfeeding.* Technology Networks (Feb 9, 2023)
<https://www.technologynetworks.com/applied-sciences/news/infant-arsenic-exposure-may-be-reduced-by-breastfeeding-370034>
28. *Breastfeeding may reduce arsenic exposure in infants in arsenic-contaminated areas.* Vital Record, Texas A&M Health (Jan 12, 2023)
<https://vitalrecord.tamhsc.edu/breastfeeding-may-reduce-arsenic-exposure-in-infants-in-arsenic-contaminated-areas/>
29. *Chemical treatment of San Antonio's drinking water has health risks, including cancer.* San Antonio Current (Nov 8, 2022)
<https://www.sacurrent.com/news/chemical-treatment-of-san-antonios-drinking-water-has-health-risks-including-cancer-30239608>
30. *How indoor air quality became the new wellness fixation.* GQ (Apr 19, 2022)
<https://www.gq.com/story/how-indoor-air-quality-became-the-new-wellness-fixation>
31. *Methodist Healthcare Ministries, Texas A&M School of Public Health, partner to improve water quality in RGV colonias,* Rio Grande Guardian (Apr 15, 2022)
<https://riograndeguardian.com/methodist-healthcare-ministries-texas-am-school-of-public-health-partner-to-improve-water-quality-in-rgv-colonias%EF%BF%BC/>
32. *Improving water quality in the Rio Grande Valley,* Valley Business Report (Apr 11, 2022)
<https://valleybusinessreport.com/community/improving-water-quality-in-the-rio-grande-valley/>

33. *Methodist Healthcare Ministries and Texas A&M University School of Public Health partner together to improve water quality in the Rio Grande Valley*, Methodist Healthcare Ministries News (Apr 6, 2022) <https://news.mhm.org/methodist-healthcare-ministries-and-texas-am-university-school-of-public-health-partner-together-to-improve-water-quality-in-the-rio-grande-valley/>
34. *Study finds home indoor air quality isn't as good as in-office*. The Atlanta Journal-Constitution (Feb 28, 2022) <https://www.ajc.com/life/health/study-finds-home-indoor-air-quality-isnt-as-good-as-in-office/RXE3A3GQ3NGURCP7KDVXZBXGYY/>
35. *Indoor air quality and employee's health while working from home*. WOAI AM (Feb 11, 2022)
36. *The Air Quality In Your Home May Be Worse Than In Your Office Building*. Texas A&M Today (Feb 1, 2022) <https://today.tamu.edu/2022/02/01/the-air-quality-in-your-home-may-be-worse-than-in-your-office-building/>
37. *Verify: Are artificial Christmas trees toxic?* KHOU-CBS (Dec 15, 2021) <https://www.khou.com/article/news/verify/are-artificial-christmas-trees-toxic/285-3219948b-c79f-4d73-963f-34eae562f1fa>
38. *Worsening droughts could increase arsenic exposure for some Americans*. Popular Science (Jun 4, 2021) <https://www.popsci.com/environment/arsenic-well-water-drought/>
39. *Letting curiosity lead the way*. Vital Record, Texas A&M Health (Feb 10, 2021) <https://vitalrecord.tamhsc.edu/letting-curiosity-lead-the-way/>
40. *The dangers of methanol in hand sanitizer*. KDOW-AM (Wall Street Business Network) (Jan 30, 2021)
41. *American Lung Association gives Texas failing grades in the state's control of tobacco*. KAGS-NBC (Jan 27, 2021) <https://www.kagstv.com/article/news/health/american-lung-association-gives-texas-failing-grades-in-the-states-control-of-tobacco/499-074a2e85-1207-482a-b9d1-86c372685683>
42. *In South and West, COVID-19 hospitalizations keep rising*. The Wall Street Journal (Dec 29, 2020) <https://www.wsj.com/livecoverage/covid-2020-12-29/card/O2pEiHufOgjbwme4KByO>
43. *Early exposure to arsenic can lead to lingering respiratory issues in males*. Environmental News Network. (May 27, 2020) <https://www.enn.com/articles/63763-early-exposure-to-arsenic-can-lead-to-lingering-respiratory-issues-in-males>
44. *Does where you live influence asthma outcomes?* Vital Record, Texas A&M University (Jan 24, 2020) <https://vitalrecord.tamhsc.edu/does-where-you-live-influence-asthma-outcomes/>
45. *Arsenic can cause cancer decades after exposure ends*. ScienceDaily (Oct 24, 2017) <https://www.sciencedaily.com/releases/2017/10/171024115610.htm>

Teaching Experience

Texas A&M University (2019-)

Instructor

- PHEB 610 Epidemiological Methods II, Department of Epidemiology and Biostatistics
- PHEB 612 Data Management/Computing, Department of Epidemiology and Biostatistics
- PHEB 620 Cancer Epidemiology, Department of Epidemiology and Biostatistics
- PHEB 632 Global Health Epidemiology, Department of Epidemiology and Biostatistics
- PHEB 685 Directed Studies, Department of Epidemiology and Biostatistics
- SOPH 601-604 MPH Core Courses, School of Public Health

Guest Lecturer

- PHEB 634 Environmental Epidemiology, Department of Epidemiology and Biostatistics
- PHEB 621 Foundations of Maternal and Child Health, Department of Epidemiology and Biostatistics
- PHEB 605 Epidemiological Methods I, Department of Epidemiology and Biostatistics
- SOPH 601 Thinking in Populations: The Public Health Mindset, School of Public Health
- HPCH 672 Doctoral Student Seminar: Public Health Intervention, Department of Health Promotion and Community Health

California State University, East Bay (2019)

Guest Lecturer, Introduction to Toxicology, Department of Nursing and Health Sciences (Spring 2019)

San Francisco State University (2018)

Guest Lecturer, Epidemiology, Pre-Health Professions Program (Spring 2018)

University of California, San Francisco (2017-2018)

Instructor, Introduction to Epidemiology, Institute for the Global Health Sciences (Fall 2017-Fall 2018)

University of Iowa (2016-2017)

Instructional Specialist, Global Environmental Health (online), Department of Occupational and Environmental Health (Spring 2017)

Guest Lecturer, Global Environmental Health, Department of Occupational and Environmental Health (Fall 2016)

Mentor Experience

Undergraduate Students – Texas A&M University

Research Engagement

- Brooklyn Story, Biomedical Sciences (Spring 2021-Summer 2021)
- Hailey Schmitt, Geoscience (Spring 2021-Summer 2021)

Master's Students – Texas A&M University

Dissertation Committee

- Hailey Schmitt, Geoscience (Fall 2021-) (co-chair)

Research Engagement

- Jason Joseph, Epidemiology and Biostatistics (Spring 2024-)

- Ruchi Sahu, Epidemiology and Biostatistics (Fall 2023-Spring 2024)
- Danielle Joya, Epidemiology and Biostatistics (Fall 2023)
- Simlin Zarin, Epidemiology and Biostatistics (Summer 2023-)
- Mariya Chalise, Epidemiology and Biostatistics (Summer 2023)
- Anisha Aggarwal, Health Behavior (Fall 2022-Spring 2023)
- Lucas Smith, Epidemiology and Biostatistics (Summer 2022-Summer 2023)
- Alka Upadhyay, Epidemiology and Biostatistics (Summer 2022-Spring 2023)
- Garrett Hall, Epidemiology and Biostatistics (Spring 2022)
- Nusrat Fahmida Trisha, Epidemiology and Biostatistics (Spring 2021-)
- William Davis, Environmental and Occupational Health (Spring 2021)
- Nimesh Chandrakant Shah, Epidemiology and Biostatistics (Spring 2020)
- Nishat Tasnim Hansan, Epidemiology and Biostatistics (Fall 2019-Summer 2021)

Doctoral Student – Texas A&M University

Dissertation Committee

- Zachary Kobs, Toxicology (Summer 2024-) (chair)
- Nusrat Fahmida Trisha, Epidemiology and Biostatistics (Fall 2023-) (chair)
- Jared Datzman, Epidemiology and Biostatistics (Fall 2022-) (chair)
- Nishat Tasnim Hansan, Epidemiology and Biostatistics (Fall 2021-) (chair)
- Alexander Svetlik, Toxicology (Fall 2021-) (co-chair)
- Kido Uyamasi, Epidemiology and Biostatistics (Fall 2024-) (member)
- Chimuanya Osuji, Health Behavior (Fall 2024-) (member)
- Kayla Reyes, Toxicology (Fall 2023-) (member)
- Nandita Sarker, Environmental and Occupational Health (Fall 2023-) (member)
- Alexander Obeng, Environmental and Occupational Health (Fall 2022-) (member)
- Michael Akinboro, Epidemiology and Biostatistics (Fall 2021-) (member)
- Leanne Fawkes, Environmental and Occupational Health (Spring 2021-) (member)
- Bangning Zhang, Epidemiology and Biostatistics (Spring 2021-) (member)

Research Engagement

- Tong Wang, Statistics, Texas A&M University (Spring 2020-Fall 2020)

Professional Memberships

- 2020- Member, Geology Society of America
- 2020- Member, Center for Translational Environmental Health Research, Texas A&M University
- 2020- Member, Society of Toxicology Lone Star Regional Chapter
- 2018- Member, International Society for Environmental Epidemiology
- 2010- Member, Society of Toxicology

Professional Services

- 2023- MPH faculty advisor. Department of Epidemiology and Biostatistics, School of Public Health, Texas A&M University

- 2023- Chair. MPH Admissions, Recruiting and Advising Committee. Department of Epidemiology and Biostatistics, School of Public Health, Texas A&M University
- 2023- Councilor. Society of Toxicology Lone Star Regional Chapter.
- 2023 External Reviewer. National Center for Environmental Health/Agency for Toxic Substances and Disease Registry (NCEH/ATSDR) Office of Science, CDC.
- 2023 Health Policy & Management Faculty Search Committee, School of Public Health, Texas A&M University
- 2022- Faculty Advisor. Epidemiology Student Organization. School of Public Health, Texas A&M University
- 2022 External Reviewer. TAMUS-LANL Collaborative Research Project. Texas A&M University System- Los Alamos National Laboratories Office.
- 2022 External Reviewer. Pilot Project Program, Center for Integrative Environmental Health Sciences, University of Louisville.
- 2021- Guest Editor. Environmental and social pathways leading to human exposure to geogenic contaminants in water and soil (Special Issue), International Journal of Environmental Research and Public Health.
- 2021 External Reviewer. Canadian Cancer Society Atlantic Cancer Research Grant
- 2021- DrPH Qualifying Exam Grader, School of Public Health, Texas A&M University
- 2021 Poster Session Chair, The 2021 Society of Toxicology Annual Conference
- 2021 Judge, The 2021 Virtual Sacramento Regional STEM Fair
- 2020 SPH/Geoscience Collaboration Task Force, Texas A&M University
- 2020 Visiting Assistant Professor Search Committee, Department of Epidemiology and Biostatistics, School of Public Health, Texas A&M University
- 2020 Health Policy & Management Head Search Committee, School of Public Health, Texas A&M University
- 2020 Session Proposal Review Committee, 2021 Society of Toxicology Annual Meeting
- 2020 Consultant, Center for Advanced Public Awareness
- 2020 Abstract Reviewer, The 2020 International Society for Environmental Epidemiology Annual Conference
- 2020- Judge, The 2020 National Public Health Week Poster Contest, Texas A&M University
- 2019- Admissions Committee, School of Public Health, Texas A&M University
- 2017- Ad-Hoc Journal Reviewer
Environmental Research; Regulatory Toxicology and Pharmacology; Journal of Ginseng Research.
- 2019- Ad-Hoc Journal Reviewer
BMC Public Health; Journal of Trace Elements in Medicine and Biology; International Journal of Environmental Research and Public Health.
- 2020- Ad-Hoc Journal Reviewer

Cosmetics; Sustainability; Biomolecules; Biology; Environmental International; Toxics.

- 2021- Ad-Hoc Journal Reviewer
Vaccines; Ecotoxicology and Environmental Safety; Encyclopedia.
- 2022- Ad-Hoc Journal Reviewer
Hygiene; Nanomaterials; Journal of Public Health.
- 2023- Ad-Hoc Journal Reviewer
Journal of Xenobiotics.

Honors and Awards

- 2023 New Investigator Spotlight, NIEHS Environmental Health Science Core Centers
- 2023 Faculty Inductee, Delta Omega Public Health Honor Society
- 2021 Travel Grant Award, International Society of Environmental Epidemiology
- 2020 ADVANCE Scholar, Office of Diversity, Dean of Faculties, Texas A&M University
- 2020 ADVANCE Faculty Success Fellowship, National Center for Faculty Development & Diversity
- 2018 Travel Grant Award, International Society of Environmental Epidemiology
- 2016 Best Oral Presentation, Central States Society of Toxicology
- 2016 Post-Comprehensive Research Award, Graduate College, University of Iowa
- 2008-09 Brain Korea 21 Scholarship, Ministry of Education, Science and Technology, Korea
- 2008 Best Pharmacy Graduate Award, Korea Pharmaceutical Association

Professional Development

- 2021 Water for a Livable Texas Workshop, Texas Water Resources Institute, 10/15/2021.
- 2021 Faculty Write Line, University Writing Center, Texas A&M University, 07/05-08/02/2021.
- 2020 TxGIS Day 2020, Texas A&M Geo Innovation, 11/16-11/18/2020.
- 2020 Early Career Faculty Research Development Program, Division of Research, Texas A&M University, 8/18-11/17/2020.
- 2020 Strategies and Tactics for Recruiting to Improve Diversity and Excellence Workshop, Dean of Faculties, Texas A&M University, 8/4/2020.
- 2020 NIH Specific Aims Virtual Workshop, Texas A&M University, 06/25-07/22/2020.
- 2019 Write winning NIH grant proposal workshop, Texas A&M University, 09/26/2019.
- 2017 Responsible Conduct in Research Workshop, UC Berkeley, USA, 02/21-04/25/2018.
- 2016 College Teaching Practicum, University of Iowa, 08/19-10/06/2016.
- 2008 Workshop for Experts in Statistics, Korean Society of Toxicology, 5/22/2008.