

# Trần B. Huỳnh, PhD, MPH, CIH

Associate Professor

Division of Environmental Health Sciences

University of Minnesota School of Public Health

420 Delaware St. S.E.

Minneapolis, MN 55455

**Phone:** 612-624-3143

**Email:** [huyn0098@umn.edu](mailto:huyn0098@umn.edu)

ORCID identifier: <https://orcid.org/0000-0002-1542-8582>

## Education

---

University of Minnesota, Minneapolis, MN PhD, Environmental Health Sciences, 2014 Industrial Hygiene Track	2014
University of Minnesota, Minneapolis, MN MPH, Environmental Health Sciences	2009
University of Minnesota, Minneapolis, MN BS, Microbiology	2006

## Professional Certification

---

Certified Industrial Hygienist (CIH), ABIH 10610CP	Jan 2019 - Dec 2023
--	---------------------

## Academic and Public Health Appointment

---

University of Minnesota School of Public Health, Twin Cities, MN Division of Environmental Health Sciences Associate Professor	Aug 1, 2023-
Drexel University Dornsife School of Public Health, Philadelphia, PA Department of Environmental and Occupational Health Assistant Professor	2016-2023
University of Alabama at Birmingham, AL Department of Environmental Health Sciences Assistant Professor	2015- 2016
University of Minnesota, Minneapolis, MN Department of Environmental Health Sciences	2010-2014

## Research Assistant

University of Minnesota, Minneapolis, MN  
Department of Environmental Health and Safety  
Industrial Hygiene Technician

2009-2010

## Honors and Awards

- Fellow, Asian Pacific American Women's Leadership Institute (APAWLI) 2023
- Mentor Recognition Award, Dornsife School of Public Health 2018
- Drexel University/2018 Scholarly Materials & Research Equipment Award for Tenure/Tenure-Track Faculty May 2018
- Drexel University International Travel Award Aug 2017
- Delta Omega Society, Pi Chapter, Honorary Inductee, University of Minnesota 2014
- National Institute of Occupational Safety and Health Traineeship University of Minnesota 2009 - 2014
- Best Student Poster, Exposure Assessment Committee The American Industrial Hygiene Association 2013
- American Industrial Hygiene Foundation Scholarship 2019
- Delta Premier Poster Award on SPH Research Day, University of Minnesota 2009
- University of Minnesota School of Public Health Scholarship 2007

## Grants and Contracts

---

### Grants under review

- US EPA  
*Developing a P2 Healthy Nail Salon Recognition Program to Promote Safer and More Sustainable Beauty Products in two Minnesota EJ Communities*  
Submitted June 2023  
Role: Co-PIs (Tran Huynh and Susan Arnold)
- NIH/National Institute of Nursing Research  
*Advancing Health Equity Through Innovative Community Capacity Building, Data Science & Delivering Community-Centered Structural Interventions & Outcomes: Drexel's ComPASS Coordinating Center (C3) / Community Partnerships to Advance Science for Society (ComPASS): Coordination Center*  
PI: Amy Carroll-Scott. Sub  
Role: Co-investigator (5%, Y 3,4,5). Community-Based Participatory Research Trainer
- NIH/NIEHS R01  
*A Community Informed Intervention to Promote Healthy Worker Environments in Immigrant-Owned Nail Salons*  
Role: **Principal Investigator**  
Status: Submitted Oct 2022, Not discussed. Planning to resubmit Oct 2023

## Current Projects

- Overbrook Environmental Education Center Apr 2023–Aug 2023  
*Understanding community needs and barriers to maintaining healthy homes through community participatory research.* This is a qualitative needs assessment in collaboration with the Overbrook Environmental Education Center to better understand ways to support community members in environmental justice neighborhoods of West Philadelphia to maintain healthy homes free of childhood lead exposures.  
Role: **Principal Investigator** / \$6000.
- Drexel University / Glenmede Environmental Collaboratory Seed Fund Jun 2022 - May 2023  
*Assessment of progress & actions needed to reduce lead poisoning in West Philadelphia*  
Role: **Co-Investigator**, PI : S. Kroll, other co-PIs: J. Shabazz, A. Schulman, V. Boschi / \$20,000 (In-kind support)
- CDC/NIOSH 20IPA2014104 Aug 2020 – July 2023  
*COVID-19 Occupational safety and health technical assistance to workplaces, local and state public health officials in the state of Pennsylvania*  
Role: **Principal Investigator** (20% effort) / \$68,727

## Completed Projects

### External funding

- CDC/NIOSH R21OH011740-02 Sept 2020 –Sept 2022  
*A feasibility study to develop a multilevel occupational health intervention program for nail salon employees and owners*  
Role: **Principal Investigator** (30% effort) / \$430,005
- CDC/ATSDR NU61TS000314-01-01 Jun 2020 - May 2021  
*ATSDR's Partnership to Promote Local Efforts To Reduce Environmental Exposure/ Training and Protocol for Safe Disinfection Practices in Schools and Daycare Centers*  
Role: Co-investigator (5% effort), PI: Nair, Sub-PI at Drexel: Fagliano / \$34,000
- CDC/NIOSH K01OH011191 Sept 2016 - Aug 2019  
*Development of theory-based training for Vietnamese nails salon workers: a feasibility study*  
**Role: Principal Investigator** (75% effort) / \$324,000

### Internal funding

- Drexel University's 2020 Faculty Summer Research Awards July 2020-Jun 2021  
*Understanding capacities and barriers of local jurisdictions and public health departments to implement nail salon policies*  
Role: **Principal Investigator** / \$7000 (Support for students)

- Drexel University/Community Driven Research Day Pilot Funding Aug 2018-July 2019  
*Assessment of Hepatitis B knowledge, screening practices, and access to care among Vietnamese nail technicians in Philadelphia and New Jersey*  
Role: **Principal Investigator**, Co-PIs: Cohen (Hepatitis B Foundation), Nguyen (Vietlead) / \$10,000 (Support for students and community partners)
- Drexel University /Urban Health Collaborative (PI Tran Huynh) July 2017-Jun 2019  
*Development of a self-assessment tool and technical assistance for Vietnamese nail salon owners*  
Role: **Principal Investigator** / \$20,000 (Support for students and community partner Vietlead)

University of Alabama School of Public Health at Birmingham, Birmingham, AL

- CDC/NIOSH T42OH008436 (PI Claudiu Lungu) Jul 2012 – Jun 17  
Deep South Center for Occupational Health and Safety Education and Research Center  
Role: Occupational Hygiene Faculty (May 2015 – Apr 2016) (40% effort) / PI: C. Lungu
- UAB Faculty Development Grant from the Faculty Senate May 2016 – Apr 2017  
*Development of a validated self-assessment tool to assess the work environment at nail salons.*  
Role: **Principal Investigator** (student support) / \$10,000 (Fund returned due to moving to a new university)

## Peer-review publications

---

\* indicates student or trainee under my direct supervision

[See a full list of publications on PubMed](#)

1. Le A., **Huynh T.B.** The need for a multi-level approach to occupational safety and health among Asian American Beauty Service Workers. *Journal of Environmental and Occupational Hygiene*. In press
2. Huỳnh TB, Nguyễn DT, Vũ N, Robinson L, Trần E, Nguyễn N, Carroll-Scott A, Burstyn I. A participatory approach to designing and implementing an occupational health intervention for the nail salon community in the Greater Philadelphia region. *Annals of Work Exposures and Health*. In press.
3. Chen, D., Sandler, D. P., Keil, A. P., Heiss, G., Whitsel, E. A., Edwards, J. K., Stewart, P. A., Stenzel, M. R., Groth, C. P., Ramachandran, G., Banerjee, S., **Huynh, T. B.**, Jackson, W. B., Blair, A., Lawrence, K. G., Kwok, R. K., & Engel, L. S. (2023). Volatile Hydrocarbon Exposures and Incident Coronary Heart Disease Events: Up to Ten Years of Follow-up among Deepwater Horizon Oil Spill Workers. *Environmental Health Perspectives*, 131(5), 057006.  
<https://doi.org/10.1289/EHP11859>
4. Chen, D., Werder, E. J., Stewart, P. A., Stenzel, M. R., Gerr, F. E., Lawrence, K. G., Groth, C. P., **Huynh, T. B.**, Ramachandran, G., Banerjee, S., Jackson Ii, W. B., Christenbury, K., Kwok, R. K., Sandler, D. P., & Engel, L. S. (2023). Exposure to volatile hydrocarbons and neurologic function

among oil spill workers up to 6 years after the Deepwater Horizon disaster. *Environmental Research*, 231, 116069. <https://doi.org/10.1016/j.envres.2023.116069>

5. Burstyn, I., & **Huynh, T. (2023)**. Changes in anxiety and depression over the first year of COVID-19 pandemic in Philadelphia, PA: Work characteristics and mental health supports. *Journal of Occupational and Environmental Medicine*, 10.1097/JOM.0000000000002883. <https://doi.org/10.1097/JOM.0000000000002883>
6. **Huỳnh, T. B.**, Nguyễn, D.T., Vũ, N., Carroll-Scott, A., Wong, C., Freeland, C., & Parvanta, C. (2023). Perceived Benefits and Barriers to Implementing Occupational Health Recommendations Among Immigrant-Owned Nail Salons in the Greater Philadelphia Region. *Health Promotion Practice*, 15248399231160460. <https://doi.org/10.1177/15248399231160461>
7. Nguyen T.D\*., Nguyen C\*., Pintor, J., **Huynh, T.B.** Stakeholders' perspectives on the feasibility of adopting a Healthy Nail Salon Recognition Program in Philadelphia: A qualitative study. *Annals of Work Exposures and Health*. Available [here](#).
8. Roos, A. J. D., Fritschi, L., Ward, M. H., Monnereau, A., Hofmann, J., Bernstein, L., Bhatti, P., Moreno, Y. B., Benke, G., Casabonne, D., Clavel, J., Cocco, P., **Huynh, T.**, Mannetje, A. 't, Miligi, L., Piro, S., Rothman, N., Schinasi, L. H., Vajdic, C. M., ... Cerhan, J. R. (2022). Herbicide use in farming and other jobs in relation to non-Hodgkin's lymphoma (NHL) risk. *Occupational and Environmental Medicine*, 79(12), 795–806. <https://doi.org/10.1136/oemed-2022-108371>
9. **Huynh, T. B.**, McClure, L. A., Howard, V. J., Stafford, M. M., Judd, S. E., & Burstyn, I. (2022). Duration of employment within occupations and incident stroke in a US general population cohort 45 years of age or older (REGARDS study). *American Journal of Industrial Medicine*, ajim.23446. [\[ajim\]](#)
10. **Huynh, T. B., Oddo, V. M.**, Trejo, B., Moore, K., Quistberg, A.D., Kim, J., Diez-Canseco, F., & Vives, A. (2022). Association between informal employment and depressive symptoms in 11 cities in Latin America. *SSM - Population Health*, 101101. <https://doi.org/10.1016/j.ssmph.2022.101101>
11. Stewart, P., Groth, C. P., **Huynh, T. B.**, Gorman Ng, M., Pratt, G. C., Arnold, S. F., Ramachandran, G., Banerjee, S., Cherrie, J. W., Christenbury, K., Kwok, R. K., Blair, A., Engel, L. S., Sandler, D. P., & Stenzel, M. R. (2022). Assessing Exposures from the Deepwater Horizon Oil Spill Response and Clean-up. *Annals of Work Exposures and Health*, 66(Supplement\_1), i3–i22. <https://doi.org/10.1093/annweh/wxab107>
12. Stenzel, M. R., Groth, C. P., **Huynh, T. B.**, Ramachandran, G., Banerjee, S., Kwok, R. K., Engel, L. S., Blair, A., Sandler, D. P., & Stewart, P. A. (2022). Exposure Group Development in Support of the NIEHS GuLF Study. *Annals of Work Exposures and Health*, 66(Supplement\_1), i23–i55. <https://doi.org/10.1093/annweh/wxab093>
13. Kwok, R. K., Jackson, W. B., II, Curry, M. D., Stewart, P. A., McGrath, J. A., Stenzel, M., **Huynh, T. B.**, Groth, C. P., Ramachandran, G., Banerjee, S., Pratt, G. C., Miller, A. K., Zhang, X., Engel, L.

- S., & Sandler, D. P. (2022). Association of Deepwater Horizon Oil Spill Response and Cleanup Work With Risk of Developing Hypertension. *JAMA Network Open*, 5(2), e220108. [[jama](#)]
14. Burstyn, I., & **Huynh, T. B.** (2021). Experiences of coping with the first wave of COVID-19 epidemic in Philadelphia, PA: Mixed methods analysis of a cross-sectional survey of worries and symptoms of mood disorders. *PLOS ONE*, 16(10), e0258213. [[po](#)]
  15. Groth, C. P., **Huynh, T. B.**, Banerjee, S., Ramachandran, G., Stewart, P. A., Quick, H., Sandler, D. P., Blair, A., Engel, L. S., Kwok, R. K., & Stenzel, M. R. (2021). Linear Relationships Between Total Hydrocarbons and Benzene, Toluene, Ethylbenzene, Xylene, and n-Hexane during the Deepwater Horizon Response and Clean-up. *Annals of Work Exposures and Health*, wxab064. [[aweh](#)]
  16. Ramachandran, G., Groth, C. P., **Huynh, T. B.**, Banerjee, S., Stewart, P. A., Engel, L. S., Kwok, R. K., Sandler, D. P., & Stenzel, M. (2021). Using Real-Time Area VOC Measurements to Estimate Total Hydrocarbons Exposures to Workers Involved in the Deepwater Horizon Oil Spill. *Annals of Work Exposures and Health*, wxab066. [[aweh](#)]
  17. **Huynh, T. B.**, Groth, C. P., Ramachandran, G., Banerjee, S., Stenzel, M., Blair, A., Sandler, D. P., Engel, L. S., Kwok, R. K., & Stewart, P. A. (2021). Estimates of Inhalation Exposures among Land Workers during the Deepwater Horizon Oil Spill Clean-up Operations. *Annals of Work Exposures and Health*, wxab028. [[aweh](#)]
  18. De Roos, A. J., Schinasi, L. H., Miligi, L., Cerhan, J. R., Bhatti, P., 't Mannetje, A., Baris, D., Benavente, Y., Benke, G., Clavel, J., Casabonne, D., Fritschi, L., Hofmann, J. N., **Huynh, T.**, Monnereau, A., Piro, S., Slager, S. L., Vajdic, C. M., Wang, S. S., ... Cocco, P. (2021). Occupational insecticide exposure and risk of non-Hodgkin lymphoma: A pooled case-control study from the InterLymph Consortium. *International Journal of Cancer*, 149(10), 1768–1786. [[ijc](#)]
  19. Burstyn, I., & **Huynh, T.** (2021). Symptoms of Anxiety and Depression in Relation to Work Patterns During the First Wave of the COVID-19 Epidemic in Philadelphia PA: A Cross-Sectional Survey. *Journal of Occupational and Environmental Medicine*, Publish Ahead of Print. [[joem](#)]
  20. **Huynh, T. B.**, Groth, C. P., Ramachandran, G., Banerjee, S., Stenzel, M., Blair, A., Sandler, D. P., Engel, L. S., Kwok, R. K., & Stewart, P. A. (2021). Estimates of Inhalation Exposures to Oil-Related Components on the Supporting Vessels During the Deepwater Horizon Oil Spill. *Annals of Work Exposures and Health*, wxaa113. [[aweh](#)]
  21. **Huynh, T. B.**, Groth, C. P., Ramachandran, G., Banerjee, S., Stenzel, M., Quick, H., Blair, A., Engel, L. S., Kwok, R. K., Sandler, D. P., & Stewart, P. A. (2020). Estimates of Occupational Inhalation Exposures to Six Oil-Related Compounds on the Four Rig Vessels Responding to the Deepwater Horizon Oil Spill. *Annals of Work Exposures and Health*, wxaa072. [[aweh](#)]
  22. Freeland, C.\*, **Huynh, T.**, Vu, N., Nguyen, T., & Cohen, C. (2020). Understanding Knowledge and Barriers Related to Hepatitis B for Vietnamese Nail Salon Workers in the City of Philadelphia and Some of Its Environs. *Journal of Community Health*. [[jch](#)]

23. Stewart, P. A., Stenzel, M. R., Ramachandran, G., Banerjee, S., **Huynh, T.**, Groth, C., Kwok, R. K., Blair, A., Engel, L. S., & Sandler, D. P. (2018). Development of a Total Hydrocarbon Ordinal Job-Exposure Matrix for Workers Responding to the Deepwater Horizon Disaster: The GuLF STUDY. *Journal of Exposure Science & Environmental Epidemiology*, 28(3), 223–230. [[jese](#)]
24. **Huynh, T.**, Ramachandran, G., Quick, H., Hwang, J., Raynor, P. C., Alexander, B. H., & Mandel, J. H. (2019). Ambient Fine Aerosol Concentrations in Multiple Metrics in Taconite Mining Operations. *Annals of Work Exposures and Health*, 63(1), 77–90. [[aweh](#)]
25. **Huynh, T. B.**, Doan, N.\*, Trinh, N.\*, Verdecias, N.\*, Stalford, S.\*, Carroll-Scott, A. (2019). Factors influencing health and safety practices among Vietnamese nail salon technicians and owners: A qualitative study. *American Journal of Industrial Medicine*, 62(3), 244–252. [[ajim](#)]
26. Quick, H., **Huynh, T.**, & Ramachandran, G. (2017). A Method for Constructing Informative Priors for Bayesian Modeling of Occupational Hygiene Data. *Ann Work Expo Health*, 61(1), 67–75. [[aweh](#)]
27. **Huynh, T.**, Quick, H., Ramachandran, G., Banerjee, S., Stenzel, M., Sandler, D. P., Engel, L. S., Kwok, R. K., Blair, A., & Stewart, P. A. (2015). A Comparison of the  $\beta$ -Substitution Method and a Bayesian Method for Analyzing Left-Censored Data. *Annals of Occupational Hygiene*, mev049. [[aoh](#)]
28. **Huynh, T.**, Ramachandran, G., Banerjee, S., Monteiro, J., Stenzel, M., Sandler, D. P., Engel, L. S., Kwok, R. K., Blair, A., & Stewart, P. A. (2014). Comparison of methods for analyzing left-censored occupational exposure data. *Ann Occup Hyg*, 58(9), 1126–1142. [[aoh](#)]
29. Watts, W. F., Jr., **Huynh, T. B.**, & Ramachandran, G. (2012). Quartz concentration trends in metal and nonmetal mining. *J Occup Environ Hyg*, 9(12), 720–732. [[joeh](#)]

### In-preparation

1. Healthy Nail Salon Recognition Program Policy Brief (In collaboration with the Drexel Urban Health Collaborative and Vietlead)

### Op-Ed

---

1. Tran Huynh. [An immigrant daughter's call to help Philadelphia's nail salon industry](#). *Philadelphia Inquirer*. Mar 5 2021
2. Tran Huynh. [Pennsylvania's nail salon laws need an update](#). *Philadelphia Inquirer*. June 5 2019.

### Other research/training products

---

1. Bilingual health and safety training modules for nail salon workers and owners; Produced 11 Vietnamese health and safety recommendation reports for local nail salon owners. Some training materials can be found here. <https://www.healthysalonsproject.org/articles>
2. COVID-19 training modules for teachers in K-12 schools (ventilation, COVID testing, Coping with Stress) through a subcontract with the Pennsylvania Department of Public Health. Collaborators: Jerry Fagliano (PI), Ester Chernak, Thomas Hipper, Priyatham Kurapati. 2021. Available at the PA DOH [website](#)
3. Website: [healthysalonsproject.org](http://healthysalonsproject.org)

## Invited Presentations

### Presentations for academic audience

1. “Advancing occupational health equity through community-engaged research: a case study with nail salon workers”, University of Michigan Seminar Mar 2023
2. “Advancing occupational health equity through community-engaged research: a case study with nail salon workers”, University of Minnesota Seminar Jan 2023
3. “The Need for a Multi-Level Approach to Occupational Health and Safety Among Asian American Beauty Service Workers”, NIOSH IPA Monthly Meeting Jan 2023  
Co-presented with Aurora Le (from University of Michigan)
4. MERH (Migration, Ethnicity, Race, and Health) Seminar, Drexel University May 2022  
“Updates on the Healthy Nail Salon Project and Policy Research”  
Co-presented with Duong (Tina) Nguyen and Emily Tran (from Vietlead)
5. University of North Carolina - Chapel Hill T32/RSC Seminar Apr 2022  
“Designing a multilevel intervention program for nail salon workers and owners”
6. National Institute of Occupational Safety and Health Apr 2022  
2022 NIOSH COVID-19 IPA Program Science Summit  
“Variability of COVID-19 vaccination rate by essential work settings in the US”
7. Dornsife School of Public Health Antiracism Research Series: Applying Apr 2022  
an antiracist approach to quantitative research: Conceptualization, datasets, and analysis
8. Women's Health Education Program Seminar Apr 2022  
Drexel College of Medicine, Philadelphia, PA  
“Community-based participatory approach to improving health for immigrant nail care workers”
9. Department of Environmental Health Sciences, PUBH 6150 (virtual) Mar 2022  
University of Minnesota, Minneapolis, MN  
“Community-based occupational health intervention: A case study with Vietnamese nail care workers”
10. Drexel Implementation Science Interest Group Meeting, Apr 2019  
Drexel University, Philadelphia, PA  
“What implementation strategies can be used to accelerate outreach to improve the health of nail salon workers?”
11. Urban Health Collaborative Seminar, Drexel University, Philadelphia, PA Apr 2018  
“Development of an evidence-based an intervention program for Vietnamese nail salon workers”
12. Department of Environmental and Occupational Health, Drexel University, Philadelphia, PA Apr 2017  
“A framework for developing an intervention program for Vietnamese nail salon workers”

### Presentations invited by community-based organizations

1. “A pilot community-based intervention program for Vietnamese nail salon owners and workers” presented at the Research Convening for advancing worker health and safety in the nail and hair salon communities hosted by the California Healthy Nail Salon Collaborative June 2022.
2. “COVID-19 risks in Courthouses”, presented at the Philadelphia Bar Association, Criminal Justice Section Meeting, June 24, 2021.
3. “Common health-related complaints from customers”, presented with the National Nail Association of America, Apr 13, 2021 in Vietnamese
4. “COVID-19 safety and labor rights during the pandemic”, collaboration with Vietlead and the Philadelphia Department of Labor, Dec 7, 2020 in Vietnamese
5. “Working safely through the pandemic” Webinar hosted by the National Nail Association of America, a national organization representing Vietnamese nail salon owners. Nov 19, 2020. (Vietnamese)
6. “Safe re-opening for businesses in Philadelphia & New Jersey (focus on restaurants and nail salon industry)” – a collaboration of Vietlead, Drexel University, and the Philadelphia Chamber of Commerce. June 25, 2020
7. “Expanding knowledge related to Hepatitis B among nail salon workers in the United States” Webinar hosted by the Hepatitis B Foundation and Hep B United Coalition which is a national coalition of community organizations working on elimination of hepatitis B in the U.S. May 5, 2020.
8. “A framework for developing a multilevel health and safety intervention program for Vietnamese nail salon workers.” Presented to the *Air Pollution Control Board at the Philadelphia Department of Public Health*, Philadelphia, PA, May 17, 2017.
9. “Brief overview of nail salon policies in the U.S.” Presented to the *Air Pollution Control Board at the Philadelphia Department of Public Health*, Philadelphia, PA, Oct 26, 2017.

## Peer-reviewed Conference Abstracts and Presentations

---

1. “Social Marketing as a Framework for Exploring Employer Perceptions of Value of Interventions During COVID-19”, Co-presented with Cynthia Ball, Claudia Parvanta. Other team members: Ann Marie Dale, Grace Sembajwe, Kevin Moore. *American Occupational Health Conference*, Apr 2023.
2. “Perceived benefits and barriers to implementing occupational health program among Vietnamese nail salon owners and workers” AIHce 2022, Nashville, Tennessee, May 2022
3. Occupation and incident stroke in a U.S. general population cohort 45 years of age or older (REGARDS study). *28<sup>th</sup> International Symposium on Epidemiology in Occupational Health*, Virtual, Oct 2021
4. Development of an evidence-based an intervention program for Vietnamese nail salon workers. *American Industrial Hygiene Conference and Exposition*, Philadelphia, PA, May 2018.
5. Huynh TB, Ramachandran G, Raynor P, et al. Real-time fine aerosol exposures in taconite mining operations. *International Epidemiology in Occupational Health (EPICOH) Conference*, Edinburgh, UK, Aug 2017.
6. A method for constructing informative priors for Bayesian model of occupational hygiene data. *25th International Epidemiology in Occupational Health (EPICOH) Conference*, Barcelona, Spain, Sept 2016.
7. Occupational inhalation exposures on the four rig ships during the Deepwater Horizon oil spill cleanup. *American Industrial Hygiene Conference and Exposition*, Baltimore, Maryland, June 2016.

8. Occupational inhalation exposures on the four rig ships during the Deepwater Horizon oil spill cleanup. *Southern States Occupational Network (SouthON)* conference sponsored by the Council of State and Territorial Epidemiologists, New Orleans, LA, Mar 2016.
9. A method for constructing informative priors for Bayesian model of occupational hygiene data. *American Industrial Hygiene Conference and Exposition*, Salt Lake City, UT, June 2015.
10. Quick H, Huynh T, Ramachandran G. A method for constructing informative priors for Bayesian model of occupational hygiene data. *G70: A Celebration of Alan Gelfand's 70th Birthday*, Durham, NC. April 2014.
11. A comparison of the  $\beta$ -substitution method and a Bayesian approach for handling left-censored data. *American Industrial Hygiene Conference and Exposition*, San Antonio, TX, June 2014.
12. A comparison of the  $\beta$ -substitution method and a Bayesian approach for handling left-censored data. *International Epidemiology in Occupational Health (EPICOH) Conference*, Chicago, IL, June 2014.
13. Quartz concentration trends in metal and nonmetal mining. *American Industrial Hygiene Conference and Exposition*, Montreal, Canada, May 2013.
14. Comparison of methods for analyzing heavily left-censored data to estimate workers' exposures for the GuLF STUDY. *American Industrial Hygiene Conference and Exposition*, Indianapolis, Indiana, June 2012.
15. Exposure assessment of taconite mines using direct-reading instruments for multiple metrics. *American Industrial Hygiene Conference and Exposition*, Indianapolis, Indiana, June 2012.
16. Duck husbandry practices and farmers beliefs about avian influenza in South Vietnam. *American Industrial Hygiene Conference and Exposition*, Toronto, Canada, June 2009

Presentations at the University of Minnesota

Annual School of Public Health Research Day, 2011-2014

Annual National Occupational Research Agenda (NORA) Symposium sponsored by the Midwest Center for Occupational Health and Safety, 2011-2014

## Research Dissemination Through Practice and Media

---

### Testimony

1. Provided a written testimony to the Philadelphia City Council Budget Hearing Committee in support of increasing budget to re-invest in communities including the creation of a community-based the Healthy Nail Salon Recognition Program, May 24<sup>th</sup> 2022. In collaboration with Vietlead

### Features in National Public Health Publications

1. ASPPH. [Drexel researchers identify barriers to healthier work conditions for nail salon workers](#). Feb 8 2019.
2. Health Promotion Practice Podcast. S3 Ep.19: [Exploring occupational health recommendations among Asian American nail salon workers](#). This podcast discusses the paper "Perceived benefits and barriers in implanting an occupational health training program for nail salon workers in Philadelphia.

### Features through Regional/National Media

1. The NIH Catalyst. [The GuLF Study assesses exposure after oil spill](#). Aug 30 2022

2. WHYY. [Could Pa. finally extend OSHA protections to public school teachers and trash collectors?](#). Apr 22, 2022
3. Philadelphia Inquirer. [Philadelphians experienced increased anxiety and depression during first wave of COVID-19, Drexel study suggests](#). Feb 5, 2021
4. ScienceDaily. [Educational outreach, public policy changes needed to reduce health hazards at nail salons](#). Feb 5, 2019.
5. Contagionlive. [Workplace infection risks evolving, employers struggle to keep up](#). Feb 27, 2019.
6. ASPPH. [Drexel researchers identify barriers to healthier work conditions for nail salon workers](#). Feb 8 2019.

### Highlights in the Drexel University and Dornsife School of Public Health Publications

1. Dornsife News. [Opinion: An Immigrant Daughter’s Call to Help Philadelphia’s Nail Salons](#). March 5 2021.
2. Dornsife News. [How Are Philadelphia Area Residents Coping With COVID-19? Take the Survey](#). April 17, 2020
3. Dornsife Student News. [Exposing Adverse Health Effects Linked to Hotel Work](#). Aug 22, 2019
4. Dornsife Research. [Researchers identify barriers to healthier work conditions for nail salon workers](#). Feb 5 2019.

## Teaching

---

### Drexel University School of Public Health

- EOH 510 Principles and Practice of Environmental and Occupational Health      Falls 2019 - present  
Co-instructor with Dr. A. De Roos Fall 2019, sole instructor since 2020 / 3 credits
- Industrial Ventilation      Winter 2020  
Sole instructor / independent study / 3 credits
- Fundamentals of Industrial Hygiene      Spring 2019  
Sole instructor / independent study / 3 credits
- One-day Professional Development Course (PDC)      May 2018  
Co-instructor with Dr. H. Quick / Taught at the AIHce  
*Bayesian Statistics for Analyzing Occupational Exposure Data Using R*

#### Guest lectures

- EPI 803: Proposal Writing Seminar      Fall 2021, 2022  
*K01 grant application preparation*
- PBHL 313 Social Determinants of Health (Undergrad).      Fall 2019  
*Introduction to Occupational Safety and Health*
- PBHL 314-001 Environmental and Occupational (Undergraduates)      Spr 2018  
*What is Industrial Hygiene?*
- EOH 501 – Principles and Practice of EOH (Graduate EOH Majors)      Fall 2017  
*What is Industrial Hygiene?*

### University of Alabama at Birmingham – Department of Environmental Health Science

- ENH680 - Interdisciplinary Field Studies (6 students), co-instructor 2015
- ENH680 QL (online) - Interdisciplinary Field Studies(4 students), co-instructor 2015
- ENH680 - Interdisciplinary Worksite Evaluation - (6 students), co-instructor 2016
- ENH680 QL (online) - Interdisciplinary Worksite Evaluation (4 students), co-instructor 2016
- ENH624 Controls of Exposures – co-instructor (8 students) 2016

#### Guest lecture

- PUB 201 – Origins of Epidemics (Undergraduate public health class) 2015, 2016
- ENH 681 – Current topics in Environmental Health Sciences 2015
- PUB 201 – Origins of Epidemics Honors (Undergraduate public health Honors) 2015
- UAB Deep South ERC’s Seventh Summer Institute of Environmental and Occupational Health Sciences for undergraduates 2015
- Five-day Comprehensive Industrial Hygiene Certification Review Course, Midwest Center for Occupational Health and Safety Continuing Education, University of Minnesota 2012
- PubH 6174 Control for Workplace Exposures, University of Minnesota 2011  
(taught the ventilation measurement lab)

## Mentoring (Undergraduates/Masters/Doctoral)

(Drexel University unless otherwise noted)

### Doctoral Students

1. Catherine Freeland, PhD (c), Population Health 2019  
Thomas Jefferson University College of Population Health  
Role: Research mentor for a class
2. Rupkatha Bardhan, PhD, Environmental Health Sciences, University of Alabama at Birmingham 2018  
*Psychosocial job stress and oxidative stress in emergency department nurses*  
Role: Committee Member

### Master’s Students

1. Jalayna Antoine, MPH, Environmental and Occupational Health Jun 2024
2. Raveena, Suman, MPH, Environmental and Occupational Health Jun 2023
3. Sarah E. Myers, MPH, Environmental and Occupational Health, OHIP intern Summer 2022  
*Health and safety concerns affecting cannabis grow workers in Pennsylvania* (Academic mentor)  
Recipient of an APHA scholarship to present and attend the conference
4. Briye Francis, online MPH, Global Health Jun 2023
5. Jennifer Carlson, online MPH, Global Health Spring 2022  
Project’s title: “*Trends in prevalence of anxiety and depression during COVID-19*” (Project’s Preceptor)
6. Kiera Fisher, online MPH, Global Health Fall 2020- Winter 2021
7. Liam Romond, MPH (c), Environmental and Occupational Health, OHIP intern Summer 2021
8. Yosef Robele, MPH in Global Environmental Health Summer 2021  
Milken Institute School of Public Health, The George Washington University, OHIP intern  
*Investigation of Workplace Hazards Among Pennsylvania’s Public Sector Workers* (Academic mentor)
9. Duong (Tina) Nguyen, MPH, Health Policy and Management, Research Assistant Jun 2020 – Mar 2021
10. Jannie Kim, MPH, Epidemiology and Biostatistics, Research Assistant Jun 2019 – Mar 2020
11. Julie Cusack, MPH, Environmental and Occupational Health, Research Assistant Jan 2019 – Mar 2019

12. Chelsi Defoe, MPH, Environmental and Occupational Health Completed Apr 2020  
Thesis: *Risk factors for pain and injury in hotel housekeepers* (OHIP intern, thesis advisor)  
Recipient of APHA scholarship to present and attend the conference.
13. Hsing-Chuan (Katie) Hsieh, MPH, Biostatistics, Research Assistant 2017-2018  
Thesis: *Associations between Urinary Phthalate Metabolites and Inhalation of Fumes from Nail Polish: NHANES 2005-2012* (thesis preceptor)
14. Dana Albizem, MPH, Health Management and Policy, Research Assistant Summer 2017
15. Samantha Stalford, MPH, Health and Management and Policy, Research Assistant Sep 2018 – Jun 2019
16. Laura Hurst, MSPH in Industrial Hygiene, UAB School of Public Health Completed May 2017  
Thesis: *Comparative analysis of new techniques for hearing conservation program selection* (MS Committee Member)

### Undergraduate Students

1. Jake Zweiback, Sociology, Oberlin College, OHIP intern Summer 2022  
*Health and safety concerns affecting cannabis grow workers in Pennsylvania* (Academic mentor)
2. Chau Nguyen, Nursing, Drexel University, Research Assistant Sept 2021- Jun 2022
3. Hoang Anh Nguyen, Biochemistry, Temple University, Research Assistant 2021
4. Mai Anh Nguyen, Biochemistry, Temple University, Research Assistant 2020 - Dec 2021
5. Ngoc Doan, Chemical Engineering, Research Assistant 2016-2018
6. Ngan Trinh, Biology, Temple University, 2016-2018

### Highschool Students

1. Sharon Liu, Vietlead's Real Internship for Community Engagement (RICE) Summer 2020

## Service

---

### International Service

- International Symposium on Epidemiology in Occupational Health (EPICOH) 2017 - 2019  
Early Career Network Officer

### National Service

- Member of the Steering Committee for CCIS; assist NCI Implementation Science Team organize the annual CCIS meeting 2023
- Vice Chair of the Community Participation Working Group, Consortium for Cancer Implementation Science (CCIS) Jan 2023-
- University of Minnesota Industrial Hygiene Program Advisory Board Member 2020 - present
- Co-hosted with the AIHA Philadelphia local chapter a meeting at Drexel University Nov 2019  
Session title: *Emergency Preparedness and the Role of the Industrial Hygienist*
- Moderator at APHA conference, Philadelphia, PA Oct 2019
- Planning committee for the 2019 Environmental Justice Town Hall (sponsored by Drexel EOH department and APHA Environmental Health Section) – Provided planning logistics for getting the venue at Drexel available for the event.
- Roundtable organizer, International Labor Organization Centennial Celebration/Social Planning Committee at the 2019 APHA Conference in Philadelphia (hosted by the OHS section).

- Grant reviewer
  - NIOSH-funded Deep South Education and Research Center (ERC) Pilot or Small Projects Research Training Program, University of Alabama at Birmingham, 2013-2015
  - NIOSH-funded New York/New Jersey ERC Pilot Projects Research Training Program, Icahn School of Medicine at Mount Sinai, 2022
- Ad-hoc Manuscript Peer-reviewer: *Heliyon* (2015), *Science* (2016), *Annals of Work Exposures and Health* (2016-present), *Journal of Racial and Ethnic Health Disparities* (2017-), *Environmental Toxicology and Chemistry* (2017-present), *International Journal of Occupational and Environmental Health* (2017-present), *PlosOne*, *Frontiers in Public Health*, *The Synergist*, *Journal of Environmental and Occupational Hygiene*, *Translational Behavioral Medicine*, *American Journal of Industrial Medicine* (2022-present)
- Abstract reviewer
  - Dissemination & Implementation Conference, Aug 2022
  - American Public Health Association Conference, Occupational Safety and Health (OSH) Section, 2019
  - American Industrial Hygiene Association Conference (AIHce), 2015-2017
- Moderator, Exposure Assessment Strategies Session, EPICOH, Edinburg, UK
- Roundtable organizer: US chemical regulation and policy for engineered nanomaterials sponsored by the Nanotechnology Working Group, AIHce 2011

## **Drexel University Service**

### Drexel University

- Grant reviewer 2021  
Drexel Faculty Summer Research Awards for Tenure/Tenure-Track Faculty
- Social Science and Humanities Research Committee (SSHRC), 2020 - 2020-2021  
Co-organized a Workshop Series: Introduction to Statistics (Jan 2021)  
Organized and moderated a workshop titled “Pitfalls of Using Big Data in Social Science Research” (Apr 2021)
- Drexel Implementation Science Working Group 2020  
Plan activities and workshops with other members of the working group
- Pilot Grant Reviewer, Drexel Implementation Science Interest Group 2020-2021

### Drexel University – Dornsife School of Public Health

- Panelist for FIRST (Faculty Institutional Recruitment for Sustainable Transformation) Oct 2022  
Faculty, “What I wish I knew as a new Assistant Professor” panel
- Member, Migration, Ethnicity, Race, and Health Group (MERHG) 2021-2022
- Speaker, DSPH Orientation about Research Activities Fall 2021
- Speaker, Public Health Summer Institute 2021 (orientation to introduce high school students to public health).
- Facilitator, Urban Health Collaborative Anti-Racism May 2022
- Anti-racism Curriculum and Assessment Sub-Committee Jan - Apr 2021
  - Develop a set of guidance for the school/department to evaluate existing curriculum

- Member Diversity and Inclusion Advisory Board to Associate Dean of Diversity and Faculty Development 2020 - 2021
- Dornsife Awards Committee Member 2019
- Reviewer, Urban Health Collaborative Doctoral Student Fellowship 2019, 2022
- Member, DSPH Delta Omega Committee 2018 - 2020
- Grant Reviewer, Urban Health Collaborative Pilot Grant 2018
- Reviewer, Dornsife Fellowship Committee 2018
- Member, Admission Committee 2017 - 2018
- EOH Representative, Curriculum and Assessment Committee 2017-2019, 2020, 2022-2023  
Alternative (2021)
- Member, Search Committee for Associate Dean for Academic Affairs 2017-2018
- Abstract reviewer, Urban Health Collaborative Symposium 2017, 2021

Drexel University – School of Public Health, Department of Environmental and Occupational Health (EOH)

- Co-Chair, Departmental Research Seminar, Sept 2017- present
- Member, EOH IDEA (Inclusion, Diversity, Equity and Anti-Racism) Curriculum Review Committee 2020 - present
- Member, Oversight committee for MS EOHS program 2019-2021
- Member, EOHS MS Degree Program Development 2016-2018

**University of Alabama at Birmingham – School of Public Health**

- Member, Admission and Graduation Committee 2015 - 2016
- Judge, Graduate School Research Exchange Day 2015
- Judge, School of Public Health Wicked Problem Case Competition 2015

**Professional Memberships**

---

- Drexel Implementation Science Interest Group 2018-2020
- American Public Health Association 2018 - 2021
- Society for Implementation Research Collaboration 2017 - 2020
- Philadelphia AIHA local chapter, 2016 - present
- American Industrial Hygiene Association (AIHA) 2009 - present
- Alabama AIHA local chapter 2015-2016

**Community Engagement**

---

- National Occupational Health Internship Program, OHIP (Academic mentor)
  - Summer 2019 – Mentor two interns to work with a local union (**Unite Here Local 274**) representing hotel housekeepers. Students conducted surveys and interviews with union members to assess musculoskeletal pains among hotel housekeepers. Students presented their project at APHA 2019 in Philadelphia.
  - Summer 2020 – Worked with the **PA Domestic Workers Alliance** to scope out projects for the interns to work on summer 2020 (cancelled due to COVID-19)

- Summer 2021 – Co-mentored two students to work with the **United Food and Commercial Workers Union (UFCW) Local 1776** to investigate workplace health and safety hazards that workers from three public sectors (public works, wine and spirits stores, and public nursing homes) experience. The final report was presented and given to the union to assist with their efforts to advocate for Pennsylvania to pass state-level OSHA protection for public sector workers who are currently not covered under existing federal OSHA laws.
  - Summer 2022 – Co-mentored two students who worked with the **United Food and Commercial Workers Union (UFCW) Local 1776** to investigate health and safety hazards in the cannabis growing industry. The union was interested in identifying these hazards so that they can create training for their members.
- Member, **National Nail Association of America (NNAA)** 2020 – present
    - Community forum moderator
  - **Vietlead**, Community research partner 2018 - present

## Other Volunteer Service

---

- Volunteer at COVID mass vaccination clinic at a Vietnamese temple 2020
- Montgomery Mews Condo Association, Board Member, Jan 2021 - present
  - Board President Mar 2021 - present
- Ikebana International Philadelphia Chapter 71 2016-present
- Sogetsu Brandywine Study Group 2017-present

## Other Relevant Training

---

- Policy-Focused Implementation Science Training (2-day) Oct 18-19, 2022