

Southern California Education and Research Center Publications and Presentations Done by Program During the Fiscal Year Period of 2012-2016

Trainees are bolded and faculty are underlined.

Industrial Hygiene

Journal Articles

Banaee S, Que Hee SS: [2017] Permeation of Limonene through Disposable Nitrile Gloves using a Dextrous Robot Hand. *J Occup Health* 59: 131-138.

Echeverria-Palencia CM, Thulsiraj V, Tran N, Ericksen CA, Melendez I, Sanchez MG, Walpert D, Yuan T, Ficara E, Senthilkumar N, Sun F, Li R, Hernandez-Cira M, Gamboa D, Haro H, Paulson SE, Zhu Y, Jennifer A. Jay JA: [2017] Disparate Antibiotic Resistance Gene Quantities Revealed across 4 Major Cities in California: A Survey in Drinking Water, Air, and Soil at 24 Public Parks. *ACS Omega* 2: 2255-2263.

Ferrario M, Landsbergis P, Tsutsumi A, Li J, Hynek P, Krause N, Smith P, Holtermann A, Clays E: [2017] for the ICOH Scientific Committee on Cardiology in Occupational Health, Work environment: an opportunity for ground-breaking collaborations in cardiovascular disease prevention, *Eur J Preventive Cardiology* 24(2S):4-6

Fischer HJ, Zhang Q, Zhu Y, Weiss RE: [2017] Functional time Series Models for Ultrafine Particle Distributions. *Annals Appl Stat* 11: 297-319.

Holtermann A, Krause N, van der Beek A, Straker L: [2017] The physical activity paradox: Why does occupational physical activity not confer the cardiovascular health benefits that leisure time physical activity provides? *Br J Sports Med*, 2017 (accepted)

Korshøj M, Krause N, Clays E, Søgaard K, Krstrup P, Holtermann A: [2017] Does Aerobic Exercise Increase 24-Hour Ambulatory Blood Pressure Among Workers With High Occupational Physical Activity?—A RCT. *Am J Hypertension* 30: 444-450.

Krause N, Arah OA, Kauhanen J: [2017] Occupational and leisure time physical activity, fitness, coronary heart disease, and 22-year mortality: results from the Kuopio Ischemic Heart Disease Risk Factor Study. *Eur J Preventive Cardiology* 24(2S):11-12

Krause N, Arah OA, Kauhanen J: [2017] Physical activity and 22-year all-cause and coronary heart disease mortality, *Am J Ind Med* (accepted)

Mathews A, Que Hee SS: [2017] Whole Glove Permeation of Cyclohexanol through Disposable Nitrile Gloves on a Dextrous Robot Hand and Comparison with the Modified Closed-loop ASTM F739 Method 1. No Fist Clenching. *J Occup Env Hyg* 14: 243-251.

Mathews A, Que Hee SS: [2017] Whole Glove Permeation of Cyclohexanol through Disposable Nitrile Gloves on a Dextrous Robot Hand: Fist Clenching versus Non-clenching. *J Occup Env Hyg* 14: 252-257.

Wang T, Quiros DC, Thiruvengadam A, Pradhan S, Hu S, Huai T, Lee ES, Zhu Y: [2017] Total Particle Number Emissions from Modern Diesel, Natural Gas, and Hybrid Heavy-Duty Vehicles During On-Road Operation. *Environ Sci Technol* 51: 6990–6998.

Carnide N, Franche RL, Hogg-Johnson S, Cote P, Breslin FC, Severin CN, B Krause N: [2016] Course of depressive symptoms following a workplace injury: a 12-month follow-up update. *J Occup Rehabilitation* 26(2):204-15

Chen Y, Shu, L, Qiu-Z, Lee DY, Settle SJ, Que Hee S, Telesca D, Yang X, Allard P: [2016] Exposure to the BPA-Substitute Bisphenol S Causes Unique Alterations of Germline Function. *PLOS Genetics*: <http://dx.doi.org/10.1371/journal.pgen.1006223>.

I-Fan S, Zeyan L; Krause N, Ritz B: [2016] Lifetime Occupational and Leisure Time Physical Activity and Risk of Parkinson's Disease. *Parkinsonism & Related Disorders* 28: 112-117.

Ji G, Sun B, Zhao T, Shu S, Chang CH, Xia T, Zhu Y, Hu S: [2016] Characterization of Electronic Cigarette Aerosols and their Induction of Oxidative Stress Response in Oral Keratinocytes, *PLOS ONE* 11(5): e0154447. doi:10.1371/journal.pone.0154447.

Li F, Liu J, Ren J, Li B, Cao X, Wang C, Zhu Y: [2016] Numerical Investigation of Airborne Contaminant Transport under Different Vortex Structures in the Aircraft Cabin. *Int J Heat Mass Transfer* 96: 287-295.

Li X, Yan C, Patterson RF, Zhu Y, Yao X, Zhu Y, Ma S, Qiu X, Zhu T, Zheng M: [2016] Modeled Deposition of Fine Particles in Human Airway in Beijing, China. *Atmospheric Environment* 124B: 387–395.

Lin Y, Qiu X, Ma Y, Wang J, Wu Y, Zeng L, Hu M, Zhu T, Zhu Y: [2016] A Novel Approach for Apportionment between Primary and Secondary Sources of Airborne Nitrated Polycyclic Aromatic Hydrocarbons (NPAHs)” *Atmospheric Environment* 138: 108–113.

Lin Y, Qiu X, **Yu N**, Yang Q, Araujo J, Zhu Y: [2016] Urinary Metabolites of Polycyclic Aromatic Hydrocarbons and the Association with Lipid Peroxidation: A Biomarker-Based Study between Los Angeles and Beijing. *Environmental Science and Technology*, 50:3738-45. doi: 10.1021/acs.est.5b04629. PMID: 26913796.

Mathews A, Que Hee SS: [2016] Quantitative Leak Test for Microholes and Microtears in Whole Gloves and Glove Pieces. *Polymer Testing* 54: 244-249.

Ren J, Liu J, Ren S, Xu B, Zhu Y: [2016] A Study of Ambient Fine Particles at Tianjin International Airport, China. *Science of the Total Environment* 556:126-35. doi: 10.1016/j.scitotenv.2016.02.186.

Shi S, Zhu S, Lee ES, Zhao B, Zhu Y [2016] Performance of Wearable Ionization Air Cleaners: Ozone Emission and Particle Removal. *Aerosol Sci Technol* 50: 211-221.

Shih I-F, Zeyan L, Krause N, Ritz B: [2016] Lifetime occupational and leisure physical activity and risk of Parkinson’s disease, *Parkinsonism and Related Disorders* 28:112-117

Shu S, Batteate C, Cole B, Froines J, Zhu Y: [2016] Air Quality Impacts of a CicLAvia Event in Downtown Los Angeles, CA. *Environmental Pollution* 208A: 170–176.

Tian X, Zhu Y, Mu, L, Zhang, Z-F, Liu, S: [2016] Emerging Trend in Particulate Matter Induced Lung Injuries in 21st Century - the Effects of Ambient Fine, Ultrafine and Engineered Nanoparticles. *National Science Review* 3: 416-429.

Zhao T, Shu S, Guo Q, Zhu Y: [2016] Effects of Design Parameters and Puff Topography on Heating Coil Temperature and Mainstream Aerosols in Electronic Cigarettes. *Atmospheric Environment* 134: 61–69.

Garcia-Rojas IJ, Choi BK, Krause N: [2015]. Psychosocial job factors and biological cardiovascular risk factors in Mexican workers, *Am J Ind Med*, 58:331-351.

Korshøj M, Lidegaard M, Skotte JH, Krstrup P, Krause N, Søgaard K, Holtermann A: [2015] Does aerobic exercise improve or impair cardiorespiratory fitness and health among cleaners? A cluster randomized controlled trial. *Scand J Work Environ Health* 41(2):140-52.

Krause N, Arias OE: [2015] Disparities in Prevalence, Treatment, and Control of Hypertension among Low Wage Immigrant Workers beyond Health Insurance Coverage: The Las Vegas Hotel Room Cleaners Blood Pressure Study. *J Hypertension Management* 1(1):1-8

Krause N, Brand RJ, Arah OA, Kauhanen J: [2015] Occupational physical activity and 20-year incidence of acute myocardial infarction: results from the Kuopio Ischemic Heart Disease Risk Factor Study. *Scand J Work Environ Health* 41(2):124-139

Lee E, Fung D, Zhu Y: [2015] Evaluation of a High Efficiency Cabin Air (HECA) Filtration System for Reducing Particulate Pollutants Inside School Buses. *Environmental Science and Technology* 49: 3358–3365.

Lee E, Stenstrom M, Zhu Y: [2015] Ultrafine Particle Infiltration into Passenger Vehicles, Part I: Experimental Evidence. *Transportation Research Part D: Transport and Environment* 156-165. DOI information: 10.1016/j.trd.2015.04.025.

Lee E, Stenstrom M, Zhu Y. [2015] Ultrafine Particle Infiltration into Passenger Vehicles, Part II: Model Analysis” *Transportation Research Part D: Transport and Environment* 144-155. DOI information: 10.1016/j.trd.2014.11.005.

Li F, **Lee E**, Liu J, Zhu Y: [2015] Predicting Self-pollution inside School Buses using a CFD and Multi-zone Coupled Model. *Atmospheric Environment* 107: 16 – 23.

Lin Y, Ma Y, Li R, Fang Y, Wang J, Zhu T, Zhu Y, Qiu X: [2015] Sources, Transformation, and Health Implications of Polycyclic Aromatic Hydrocarbons (PAHs) and their Nitrated, Hydroxylated, and Oxygenated Derivatives in Fine Particulate Matter (PM2.5) in Beijing. *Journal of Geophysical Research – Atmospheres* 120: 7219–7228.

Quiros D, Hu S, Hu S, Lee ES, Sardar S, Wang X, Olfert JS, Jung HS, Zhu Y, Huai T: [2015] Particle Effective Density and Mass during Steady-State Operation of GDI, PFI, and Diesel Passenger Cars. *Journal of Aerosol Science* 83: 39–54.

Quiros D, Zhang S, Sardar S, Kamboures M, Eiges D, Zhang M, Jung H, McCarthy M, Chang MCO, Ayala A, Zhu Y, Huai T, Hu S: [2015] Measuring Particulate Emissions of Light Duty

Passenger Vehicles Using Integrated Particle Size Distribution (IPSD). *Environmental Science and Technology* 49: 5618–5627.

Shu S, **Yu N**, Wang Y, Zhu Y: [2015] Measuring and Modeling Air Exchange Rates inside Taxi Cabs in Los Angeles, California. *Atmospheric Environment* 122: 628-635.

Wang A, Arah OA, Kauhanen J, Krause N: [2015] Work Schedules and 11-year progression of carotid atherosclerosis in Finnish men. *Am J Ind Med* 58:1-13,

Wang F, Guo Z, Lin T, Hu L, Chen Y, Zhu Y: [2015] Characterization of Carbonaceous Aerosols over the East China Sea: The Impact of the East Asian Continental Outflow” *Atmospheric Environment* 110: 163 -173.

Yan C., Zheng M, Yang Q, Zhang Q, Qiu X, Zhang Y, Fu H, Li X, Zhu T, Zhu Y: [2015] Commuter Exposure to Particulate Matter and Particle-bound PAHs in Three Transportation Modes in Beijing, China. *Environmental Pollution* 204: 199-206.

Yu N, Zhu Y, **Xie X**, Yan C, Zhu T, Zheng M: [2015] Characterization of Ultrafine Particles and Other Traffic Related Pollutants near Roadways in Beijing. *Aerosol and Air Quality Research* 15:4 (doi: 10.4209/aaqr.2014.11.0295).

Fung D, Shu S, Zhu Y: [2014] Ultrafine Particles Generated from Coloring with Scented Markers in the Presence of Ozone. *Indoor Air* 24: 503–510.

Kinzie C, Que Hee SS, Stich A, Tague KA, Mercer C, Razink JJ, Kennett DJ, DeCarli PS, Tankersley KB, Kimbel DR, Culleton BJ, Erlandson JM, Stafford TW, Kloosterman JB, Moore AMT, Firestone RB, Aura Tortosa, JE, Jordá Pardo JF, West A, Kennett JP, Wolbach WS, Bunch TE, Wittke JH, Israde-Alcantara I, Bischoff JL, Goodyear AC. [2014] Nanodiamond-rich Layer across Three Continents Consistent with 1 Major Cosmic Impact at 12,800 cal BP. *J Geology* 122: 475-506.

Lee ES, Zhu Y: [2014] Application of a High-efficiency Cabin Air Filter for Simultaneous Mitigation of Ultrafine Particle and Carbon Dioxide Exposures inside Passenger Vehicles. *Environmental Science and Technology* 48:2328-35. doi: 10.1021/es404952q

Liu J, **Fung D**, Jiang J, Zhu Y: [2014] Ultrafine Particle Emissions from Essential Oil Mosquito Repellent Products. *Indoor Air* 24: 327–335.

Minkler M, Salvatore AL, Chang C, Gaydos M, Liu SS, Lee PT, Tom A, Bhatia R, Krause N: [2014] Wage theft as a neglected public health problem: An overview and case study from San Francisco’s Chinatown district. *Am J Public Health* 104:1010-20.

Patterson RF, Zhang Q, Zheng M, Zhu Y: [2014] Particle Deposition in Respiratory Tracts of School-Aged Children. *Aerosol and Air Quality Research* 14: 64–73.

Quiros DC, Yoon S, Dwyer HA, Collins JF, Zhu Y, Huai T: [2014] Measuring Particulate Matter Emissions during Parked Active Diesel Particulate Filter Regeneration of Heavy-duty Diesel Trucks” *Journal of Aerosol Science* 73: 48–62.

Short D, Giordano M, Zhu Y, Fine P, Polidori A, Asa-Awuku A: [2014] A Unique On-line Method to Infer Water-Insoluble Particle Contributions. *Aerosol Science and Technology* 48:7, 706-714.

Shu S, Quiros DC, Wang R, Zhu Y: [2014] Changes of Street Use and On-road Air Quality before and after Complete Street Retrofit: An Exploratory Case Study in Santa Monica, California. *Transportation Research Part D: Transport and Environment* 32: 387–396.

Shu S, Yang P, Zhu Y: [2014] Correlation of Noise Levels and Particulate Matter Concentrations near Two Major Freeways in Los Angeles, California. *Environmental Pollution* 193: 130 – 13.

Zhang Q, Avalos J, Zhu Y: [2014] Fine and Ultrafine Particle Emissions from Microwave Popcorn. *Indoor Air* 24: 190–198.

Fung DC, Zhang Q, Hinds WC, Zhu Y: [2013] Particle Concentration on Freeways: Affecting Factors and a Simple Model Development. *Aerosol and Air Quality Research* 13: 1693–1701.

Lee ES, Polidori A, Koch M, Fine PM, Mehadi A, Hammond D, Wright JN, Miguel AH, Ayala A, Zhu Y: [2013] Water-based Condensation Particle Counters Comparison near a Major Freeway with Significant Heavy-Duty Diesel Traffic. *Atmospheric Environment* 68: 151-161.

Quiros D, **Lee E**, Wang R, Zhu Y: [2013] Ultrafine Particle Exposures while Walking, Cycling, and Driving along an Urban Residential Roadway. *Atmospheric Environment* 73: 185-194.

Quiros D, Zhang Q, Choi W, He M, Paulson S, Winer A, Wang R, Zhu Y: [2013] Air Quality Impacts of a Scheduled 36-hour Closure of a Major Highway. *Atmospheric Environment*. 67: 404-414.

Shao XM, Xu B, Liang J, Zhu Y, Feldman JL, X. M. Xie XM: [2013] Nicotine Delivery to Rats via Lung Alveolar Region-targeted Aerosol Technology produces Blood Pharmacokinetics Resembling Human Smoking. *Nicotine & Tobacco Research* 15: 1248-1258.

Xu B, Zhu Y: [2013] Investigation on Lowering Commuters' In-cabin Exposure to Ultrafine Particles. *Transportation Research Part D: Transport and Environment* 18: 122-130.

Zhang Q, Fischer H, Weiss RE, Zhu Y: [2013] Ultrafine Particle Concentrations in and around Idling School Buses. *Atmospheric Environment* 69: 65-75.

Holtermann A, Burr H, Hansen JV, Krause N, Sogaard K, Mortensen OS: [2012] Occupational physical activity and mortality among Danish workers. *International Archives of Occupational and Environmental Health* 85: 305-310.

Lee ES, Xu B, Zhu Y: [2012] Measurements of Ultrafine Particles Carrying Different Number of Charges in On- and Near-Freeway Environments. *Atmospheric Environment* 60: 564-572.

Books/Book Chapters

Que Hee SS: [2016] Biological Monitoring for PCBs. In: *Assessment and Remediation of PCBs in the Built Environment* (eds. AB Ashley Jr, JP Springston), American Industrial Hygiene Association, Falls Church, VA 22042, Section 6.4.4, pp 43-44.

Wang Y, Pudota JK, Zhu Y: [2013] Characterization of Ultrafine Particles and other Vehicular Pollutants near an International Bridge in United States - Mexico Border Region. In:

Environmental Sustainability: South Texas-Mexico Border Region (eds. D Ramirez, J Ren, K Jones, H Lamm), Springer, Dordrecht, pp 43-62.

Que Hee SS: [2012] Dibenzo-p-Dioxins: 2,3,7,8-Tetrachlorodibenzo-p-dioxin. Chapter 43. In: *Patty's Industrial Hygiene and Toxicology*, 6th Ed. (eds. E. Bingham, B. Cohrssen), Wiley, New York, New York, 2012, pp. 231-246.

Que Hee SS: [2012] Ecological Biochemistry, Version 2. In: *Encyclopedia of Life Sciences*, Macmillan Publishers Ltd, Houndmills Basingstoke, Hampshire, England, 2012. <http://www.els.net/>. Article 3275.

Zhu Y: [2012] Ultrafine Particles on and near Roadways. In: *Nature's Nanostructures* (Eds AS Barnard, H Guo), Pan Stanford Publishing Pte. Ltd, pp 477-492.

Presentations

Adewumi-Gunn T: [2017] Frameworks for Certification-based Worker Health and Safety Programs. American Industrial Hygiene Conference & Exposition, Seattle, Washington, June 5-7. Poster.

Coenen P, Huysman M, Holtermann A, Krause N, van Mechelen W, Straker L, van der Beek A: [2017] Gaan lichamelijk actieve werknemers voortijdig dood? De'lichamelijke activiteit paradox': een systematische review. *Bedrijfsgeneeskundige (BG) Dagen 2017*, Arnhem, The Netherlands, June 8-9

Jaio N, Que Hee S: [2017] Critical review of the Theoretical and Critical Literature on Indoor Heat Illness Prevention Standards. American Industrial Hygiene Conference & Exposition, Seattle, Washington, June 5-7. Student Poster.

Krause N: [2017] New evidence for the physical activity health paradox from the prospective Kuopio Ischemic Heart Disease Risk Factor Study: The different roles of fitness, leisure time and occupational physical activity for cardiovascular disease incidence, progression, and mortality," Department of Epidemiology and Public Health, Cork University, Ireland, May 17.

Krause N, Arah OA, Kauhanen J: [2017] Occupational and leisure time physical activity, fitness, atherosclerosis, coronary heart disease, and 22-year mortality: results from the Kuopio Ischemic Heart Disease Risk Factor Study. International Commission Occupational Health (ICOH) Conference on Cardiovascular Disease Prevention at the Workplace, Varese, Italy, May 3-5.

Krause N: [2017] Emerging specific occupational risk factors: standing work posture. Pre-conference workshop "Occupational physical activity and cardiovascular disease: research update and international collaborations", International Commission Occupational Health (ICOH) Conference on Cardiovascular Disease Prevention at the Workplace, Varese, Italy, May 2.

Krause N: [2017] Pathophysiological model of occupational physical activity and cardiovascular disease. Pre-conference workshop "Occupational physical activity and cardiovascular disease: research update and international collaborations", International Commission Occupational Health (ICOH) Conference on Cardiovascular Disease Prevention at the Workplace, Varese, Italy, May 2.

Krause N: [2017] Risk modifiers and vulnerable worker populations: occupational physical activity and coronary heart disease. Pre-conference workshop "Occupational physical activity and cardiovascular disease: research update and international collaborations", International Commission Occupational Health (ICOH) Conference on Cardiovascular Disease Prevention at the Workplace, Varese, Italy, May 2.

Phong J, Que Hee S: [2017] Exposure Assessment of Formaldehyde in Paint Renovation Sites. American Industrial Hygiene Conference & Exposition, Seattle, Washington, June 5-7 Student Poster.

Que Hee SS: [2017] ICP-MS for Elements and Metals. In: *State of the Art Methods in Biological Monitoring*. American Industrial Hygiene Conference & Exposition, Seattle, Washington, June 5-7

Song J, Que Hee S: [2017] Comparison of Permeation of 2-Butoxyethanol through Single, Double, and Triple Layers of Disposable Nitrile Gloves. American Industrial Hygiene Conference & Exposition, Seattle, Washington, June 5-7. Received a student poster award from the Personal Protection Committee.

Torres I, Que Hee S: [2017] Exposure Assessment for Toxic Vapors during Underground Storage Tank Inspections. American Industrial Hygiene Conference & Exposition, Seattle, Washington, June 5-7. Student Poster.

Yu N, Lin Y, Su S, Zhu Y: [2017] Measuring and Reducing Fine and Ultrafine Particles inside Los Angeles Taxis, American Industrial Hygiene Conference & Exposition, Seattle, Washington, June 5-7. Received the Aerosol Committee student poster award.

Krause N: [2016] The physical activity health paradox: occupational versus leisure time physical activity. Ergonomics Symposium "Updates in Ergonomics: Demonstrating Economic Value," UCLA, Los Angeles, CA, February 24.

Krause N: [2016] Working with hotel employees to address ergonomic risks using a participatory action approach. Ergonomics Symposium "Updates in Ergonomics: Demonstrating Economic Value," UCLA, Los Angeles, CA, February 24.

McNamara K. [2016] The Effects of Overtime Among Rotating Shiftworkers in the Oil Industry. American Industrial Hygiene Conference and Exposition, Baltimore, MD, May 21-26.

Nguyen C, Zhu Y: [2016] Characterizing Ultrafine Particles in Nail Salons in the Greater Los Angeles Area, American Industrial Hygiene Conference and Exposition, Baltimore, MD, May 21-26. Student Poster.

Que Hee SS: [2016] Is the Proposed California Lead Standard Scientifically Acceptable and Practical? Roundtable 210. *Lead Standard-Changes and Challenges*. American Industrial Hygiene Conference and Exposition, Baltimore, MD. May 21-26.

Que Hee SS: [2016] Topics: What is Biological Monitoring, Regulations, Guidelines, and How Can it be Used?; The Skin, Dermal Exposure & Biological Monitoring; How to Develop and Implement a Biomonitoring and Skin Exposure Measurement Program as Part of a Facility Health and Safety Plan; Mercury Case Study. In: Professional Development Course 404 *Skin*

Exposure and Biological Monitoring of Chemicals, May 22, 2016. American Industrial Conference and Exposition Industrial Hygiene, Baltimore, MD. May 21-26.

Sen A, Zhu Y: [2016] Indoor Assessment of Ultra-Fine Particle (UFP) Trends in Two Vape (Electronic Cigarette) Shops in Real-World Settings. American Industrial Hygiene Conference and Exposition, Baltimore, MD, May 21-26. Student Poster.

West E, Robbins W: [2016] Job Hazard Analyses for a Leading Organic Milk and Non-Dairy Beverage Producer in Southern California. American Industrial Hygiene Conference and Exposition, Baltimore, MD, May 21-26. Student Poster.

Yu N: [2016] Analysis of Los Angeles Taxi Drivers' Urinary PAH Metabolites and Their Associations with Occupational Exposure to Traffic Pollutants. American Industrial Hygiene Conference and Exposition, Baltimore, MD. May 21-26. Podium.

Banaee S, Que Hee S: [2015] Permeation of Limonene through Disposable Nitrile Gloves Using A Dynamic and Static Robotic Hand." American Industrial Hygiene Conference and Exposition, May 30-June 4, Salt Lake City, UT. Student poster. Won 2 awards- AIHA Incident Preparedness Group; AIHA Emergency Response Working Group.

Korshøj M, Lidegaard M, Krustrup P, Krause N, Søgaard K, Holtermann A: [2015] Will a worksite intervention reduce the relative aerobic workload and other cardiovascular risk factors among workers with high levels of occupational physical activity? 19th Triennial Congress of the International Ergonomics Association, Melbourne, Australia, August 9-14.

Krause N: [2015] The long-term cardiovascular health effects of occupational physical activity. Office Ergonomics Research Committee (OERC) Conference, Holland, MI, July 17-19.

Lee ES, Zhu Y: [2015] An Exposure Mitigation Strategy for Children in School Buses: High Efficiency Cabin Air Filtration. Coordinating Research Council (CRC) Mobile Source Air Toxics Workshop, Sacramento, CA, Feb.

Li Y, Zhu Y, Yin W, Liu Y, Shi G, Han Z: [2015] Prediction of High Resolution Spatial-Temporal Air Pollutant Map from Big Data Sources, Proceedings of 1st International Conference on Big Data Computing and Communications (BigCom 2015), Taiyuan, China, August.

McNamara K: [2015] Health Impacts of the 12 hour shift in the Oil Industry, round table presentation. American Public Health Association, 2015.

Que Hee SS: [2015] The Role of Biological Monitoring in Exposure Assessments for PCBs in the Built Environment. Roundtable 211: PCBs in the Built Environment: Exposure Assessment and Strategies. American Industrial Hygiene Conference and Exposition, Salt Lake City, UT, May 30-June 4.

Que Hee SS: [2015] "Whither the REL, REL,TLV, or Biological Recommendations?" Roundtable 212 Biological Monitoring for Beryllium. American Industrial Hygiene Conference and Exposition, Salt Lake City, UT, May 30-June 4.

Wong C, Fung D, Zhu Y: [2015] Black Carbon and Ultrafine Particle Infiltration through HVAC System. American Industrial Hygiene Conference & Exposition, Salt Lake City, UT, June.

Banaee S, Que Hee S: [2014] Permeation of 2-Butoxyethanol through Purple Disposable Nitrile Gloves". In: American Industrial Hygiene Conference and Exposition. San Antonio, TX. May 31-June 5, Abstract SR-121-02.

Brogmus G: [2014] Back Pain in Janitors. Environmental Health Sciences Seminar (UCLA EHS M411) January 23.

Eon S. Lee, David Fung, Yifang Zhu: [2014] Development of a High Efficiency Cabin Air (HECA) Filtration System to Reduce Children's Exposure to Air Pollutants inside School Buses, The 13th International Conference on Indoor Air Quality and Climate, Hong Kong, July.

Krause N: [2014] Working together towards health equity – participatory action research with low wage immigrant workers. UCLA Center for Health Equity, 15th Annual Health Equity Symposium, Achieving Health Equity Where We Live, Work, and Play, Los Angeles, October 7.

Lee ES, Zhu Y: [2014] Relative Contributions of Self-pollution and On-road Pollution to Children's Exposure in School Buses. American Association for Aerosol Research 33rd annual conference, Orlando, FL, Oct.

McNamara K: [2014] Disaster Case Study: Richmond – Chevron Fire and Community/Labor Response, panel moderator. NIEHS Worker Education and Training Program Annual Meeting Oct.

Milani K, Yang P, Que Hee S: [2014] Indoor Air Quality Assessment of Lecture Halls in the UCLA Fielding School of Public Health, Center for Health Sciences. American Industrial Hygiene Conference and Exposition. San Antonio, TX. May 31-June 5. Student poster.

Que Hee SS: [2014] Hair as a Non-Invasive Biomarker in Welder Exposure to Manganese. Roundtable 236-Manganese: The 2013 TLV and Biological Monitoring. American Industrial Hygiene Conference and Exposition. San Antonio, TX. May 31-June 5.

Shu S, Yu N, Zhu Y: [2014] Impacts of Complete Street Retrofit on On-road Fine and Ultrafine Particle Concentrations: A Case Study in Santa Monica, California. American Association for Aerosol Research 33rd Annual Conference, Orlando, FL, October.

Shu S, Yang P, Zhu Y: [2014] Spatial Distribution of and Correlation between Noise and Particulate Matter near two Freeways in Los Angeles, California. American Association for Aerosol Research 33rd Annual Conference, Orlando, FL, October.

Banaee S, Que Hee S: [2013] Permeation of 2-Ethoxyethanol through Purple Disposable Nitrile Gloves. American Industrial Hygiene Conference and Exposition. Montreal, Que. May 18 - 23. Abstract SR-128-02.

Brown E: [2013] Heat stress and strain monitoring for electrical utility workers. American Industrial Hygiene Conference and Exposition. Montreal, Que. May 18-May 23. Podium.

Fung DC, Shu S, Zhu Y: [2013] Ultrafine Particles Emitted from Scented Markers" American Association for Aerosol Research 32nd annual conference, Portland, OR, Oct.

Kram S, Que Hee S: [2013] Benzene Vapor Exposure Assessment Methodology and Personal Monitoring Plan. American Industrial Hygiene Conference and Exposition. Montreal, Que. May 18-May 23. Student Poster.

Krause N: [2013] Addressing health disparities of low wage immigrant workers in community-based participatory research with Las Vegas hotel room cleaners. Occupational Medicine Grand Rounds, UC Irvine, Irvine, CA, June 11.

Krause N: [2013] Understanding and reducing health disparities of Las Vegas Latina hotel room cleaners: the potential roles of room quota, time pressure, job strain, and effort-reward imbalance. APA/NIOSH Conference Work, Stress, and Health, Los Angeles, May 18.

Krause N: [2013] Understanding and reducing health disparities of Las Vegas Latina hotel room cleaners: the potential roles of room quota, time pressure, job strain, and effort-reward imbalance. Symposium on Participatory Research with California Low Wage Workers, APA/NIOSH Work, Stress, and Health Conference, Los Angeles, May 14.

Krause N: [2013] Physical activity and occupational inequality in cardiovascular disease trends: Results from the Kuopio Ischemic Heart Disease Risk Factor Study. Robert Wood Johnson Post-doctoral Fellows' Health and Policy Research Seminar, UC Berkeley, Berkeley, CA, March 21.

Lee Es, Fung D, Zhu Y: [2013] Application of a High-efficiency Cabin Air Filter for Simultaneous Control of Ultrafine Particles and Carbon Dioxide in Passenger Vehicles. American Association for Aerosol Research 32nd annual conference. Portland, OR, Oct.

Lee ES, Stenstrom M, Zhu Y: [2013] Dynamic Modeling Study for In-cabin Ultrafine Particle Transport: Evaluation of Infiltration and Ventilation for a Wide Range of Driving Speeds. American Association for Aerosol Research 32nd annual conference. Portland, OR, Oct.

Lee ES, Stenstrom M, Zhu Y: [2013] Ultrafine Particles: Passenger Exposure and In-cabin Air Quality Control. Annual Meeting of Korean Society for Atmospheric Environment. Pusan, South Korea, Sep.

Lee ES, Zhu Y: [2013] Simultaneous Control of Ultrafine Particles and Carbon Dioxide in Passenger Vehicles. US-Korea Conference on Science, Technology, and Entrepreneurship. New York, NY, Aug.

Mathews A, Que Hee S: [2013] Robotic Hand Whole Glove Permeation of Semi/Non-volatile Compounds through Disposable Nitrile Gloves". American Industrial Hygiene Conference and Exposition, May 18-May 23, 2013, Montreal, Que. Abstract SR-128-01.

McNamara K: [2013] Health Hazards of Shift Work, invited lecture, United Steelworkers National Health & Safety Conference.

McNamara K: [2013] Workplace Violence in Health Care, invited lecture, California Nurse Alliance Legislative Conference, 2013

Nguyen M, Que Hee S, Veal R, Gibson J, Yu N: [2013] Evaluating Students and Instructors' Exposure to Formaldehyde in an Anatomy Teaching Laboratory. American Industrial Hygiene Conference and Exposition. Montreal, Que. May 18-May 23. Student Poster.

Yu N, Zhu Y, Xie X, Yan C, Zhu T, Zheng M: [2013] Characterization of Ultrafine Particles and Other Traffic Related Pollutants near Roadways in Beijing. American Association for Aerosol Research 32st annual conference. Portland, OR; October.

Zhang Q, Zhu Y: [2013] Assessing Children's Exposure to Ultrafine Particles in and around School Buses" Health Effects Institute annual conference. San Francisco, CA. May 2013.

Lee ES, Xu B, Zhu Y: [2012] Quantification of Ultrafine Particles with Electric Charges in On- and Near-Freeway Environments. American Association for Aerosol Research 31st annual conference. Minneapolis, MN; October.

Lee ES, Zhu Y: [2012] Ultrafine Particle Infiltration to Passenger Vehicle Cabins: the Effects of Driving Speed and Ventilation Settings. American Association for Aerosol Research 31st annual conference. Minneapolis, MN. October.

Quiros D, **Lee E, Wang R, Zhu Y:** [2012] Ultrafine Particle Exposure of Street Users Walking, Cycling, and Driving Along an Urban Residential Roadway. American Association for Aerosol Research 31st annual conference. Minneapolis, MN; October.

Quiros D, Zhang Q, Paulson S, Wang R, Choi W, Winer A, Zhu Y: [2012] Air Quality Impacts of a Scheduled 36-hour Closure of a Major Highway", American Association for Aerosol Research 31st annual conference, Minneapolis, MN; October.

Zhang Q, **Avalos J, Zhu Y:** [2012] Ultrafine Particles Emitted from Microwave Popcorn. American Association for Aerosol Research 31st annual conference. Minneapolis, MN; October.

Dissertation/Thesis (advisor in parentheses)

Jiao N: [2017] Review of the Theoretical and Critical Literature on Indoor Heat Illness Prevention Standards, MS Thesis, University of California Los Angeles. (Que Hee).

Song E-J: [2017] Comparison of Permeation of 2-Butoxyethanol through Single, Double, and Triple Layers of Disposable Nitrile Gloves, MS Thesis, University of California Los Angeles. (Que Hee).

Nguyen C: [2016] Ultrafine Particles in Nail Salons, MS Thesis, University of California Los Angeles. (Zhu).

Sen C: [2016] Assessing Ultrafine Particles Exposure in Electronic Cigarette Vape Shops, MS Thesis, University of California Los Angeles. (Zhu).

West E: [2016] Hazards in a Dairy, MS Thesis, University of California Los Angeles. (Robbins).

Adewumi T: [2015] Analysis of Occupational Exposures of Black Hair Care Professionals in Predominantly Black Salons, MS Thesis, University of California Los Angeles. (Robbins).

Banaee S: [2015] Permeation of Limonene Through Disposable Nitrile Gloves in the Robot Hand Whole Glove and ASTM Closed Loop Model, PhD Dissertation, University of California Los Angeles. (Que Hee).

Wong C: [2015] Black Carbon and Ultrafine Particle Infiltration Through HVAC System, MS Thesis, University of California Los Angeles. (Zhu).

Yang P: [2014] Spatial Distribution of Noise and Particulate Matter near two Major Freeways in Los Angeles, California: Correlations and Influencing Factors, MS Thesis, University of California Los Angeles. (Zhu).

Brown E: [2013] Evaluation of Heat Stress and Strain in Electric Utility Workers, DrPH Dissertation, University of California Los Angeles. (Jackson-Kennedy).

Chinen K: [2013] Permeation of Dimethylphenylphosphate Through Nitrile Gloves, MS Thesis, University of California Los Angeles. (Que Hee).

Mathews AR: [2013] Dextrous Robotic Hand Whole Glove Model for Nitrile Disposable Glove Permeation, PhD Dissertation, University of California Los Angeles. (Que Hee).

Shaner B: [2013] Sampling and Analysis of Welding Fume, MS Thesis, University of California Los Angeles. (Que Hee).

Occupational and Environmental Health Nursing

Journal Articles

Samuel-Nakamura C, Hodge FS, Valentine JL, Robbins W: [2017] Heavy metal contamination in *Thelesperma megapotamicum*. *Journal of Toxicology and Environmental Health Sciences*, 8: in press.

Samuel-Nakamura C, Robbins WA, Hodge FS: [2017] Uranium and associated heavy metals in *Ovis aries* in a mining impacted area in northwestern New Mexico. *International Journal of Environmental Research and Public Health*, 14: in press.

Stone DS, Ganz PA, Pavlish C, Robbins WA: [2017] Workplace health and safety considerations for young adult cancer survivors: A systematic review. *Journal Cancer Survivorship*. DOI 10.1007/s11764-017-0614-3

Adewumi T, Ponce E, Flint N, Robbins WA: [2016] A Preliminary Community-based Occupational Health Survey of Black Hair Salon Workers in South Los Angeles, *Journal of Immigrant and Minority Health*: doi:10.1007/s10903-016-0521-0

Robbins WA, Berman B, **Stone DS:** [2015] Health effects of vanpooling to work, *Workplace Health & Safety*, 63:554-63. doi: 10.1177/2165079915607870

Specht IO, Bonde JP, Toft G, Giwercman A, Spanò M, Bizzaro D, Manicardi GC, Jönsson BA, Robbins WA: [2015] Environmental hexachlorobenzene exposure and human male reproduction. *Reproductive Toxicology*, 58: 8-14. doi.org/10.1016/j.reprotox.2015.07.074

Blake N, Searle Leach L, Robbins W, Pike N, Needleman J: [2013] Healthy work environments and staff retention: The relationship between communication, collaboration and leadership in the pediatric intensive care unit, *Nursing Administration Quarterly*, 37:356-370.

Hong O, Buss J, Thomas E: [2013] Type 2 diabetes and hearing loss. *Disease-a-Month*, 59:139 - 146 doi.org/10.1016/j.disamonth.2013.01.004

Hong O, Chin DL, Thomas EA: [2013] Global occupational health and safety responsibilities of occupational health nurses based in the United States. *Workplace Health & Safety*, 61, 287-290. doi: 10.1177/216507991306100703

Yauk CL, Argueso JL, Auerbach SS, Awadalla P, Davis SR, DeMarini DM, Douglas GR, Dubrova YE, Elespuru RK, Glover TW, Hales BF, Hurles ME, Klein CB, Lupski JR, Manchester DK, Marchetti F, Montpetit A, Mulvihill JJ, Robaire B, Robbins WA, Rouleau GA, Shaughnessy DT, Somers CM, Taylor JG VI, Trasler J, Waters MD, Wilson TE, Witt KL, Bishop JB: [2013] Harnessing genomics to identify environmental determinants of heritable disease, *Mutation Research*, 752:6-9 doi: 10.1016/j.mrrev.2012.08.

FitzGerald LZ, Robbins WA, Kesner JS, Xun L: [2012] Reproductive hormones and interleukin-6 in serious leisure male athletes, *European Journal of Applied Physiology*, 112: 3765-3773 DOI: 10.1007/s00421-012-2356-2

Thomas EA, Cadogan MP: [2012]. Work-related injury and the older adult. *Journal of Gerontological Nursing*, 38, 9-12.

Books/Book Chapters

Stone D: [2015]. Integrating inter-professional quality and safety education into academic, clinical and community settings: Human diversity: Improving sensitivity through self-reflective practice in *Reflective Organizations: On the Front Lines of QSEN & Reflective Practice Implementation*. G.D. Sherwood & S. Horton-Deutsch (Eds.), a Sigma Theta Tau International publication.

Stone DS: [2015] Chapter contributor: Integrating inter-professional quality and safety education into academic, clinical and community settings: Human diversity: Improving sensitivity through self-reflective practice in *Reflective Organizations: On the Frontlines to Transform Education and Practice (2015)*, a Sigma Theta Tau International publication.

Thomas EA: [2014]. Disability management. In P.V. Moore & R. L. Moore (Eds.). *Fundamentals of occupational and environmental health nursing: AAOHN Core Curriculum (4th ed.)*. Pensacola, FL: American Association of Occupational Health Nurses.

Presentations

Stone D, Thomas E: Everything you Need to Know about Case Management , AAOHN, Boston, March 2015.

Stone D, Thomas E: Diabetes and Obesity Case Management, Co-presenter with E. Thomas, AAOHN, Boston, March 2015.

Stone D: Health Effects of Vanpooling to Work, AAOHN, Boston, March 2015.

Chou W: Accelerated Aging Induced by Work-Related Stress: Successful Strategies and Interventions, Gerontological Society of America, Washington, D.C.

Pavon S: Waiting Too Long: Encouraging Early Treatment in Older Hispanic Working Women with Diabetes, Western Institute of Nursing, Albuquerque.

Samuel C: Uranium & Other Heavy Metal Contamination in Herbal Tea in an American Indian Community, Western Institute of Nursing (WIN), Albuquerque

Dr. W Robbins gave 10 invited research podium presentations throughout the nation.

Dr. E Thomas presented Occupational and Environmental Health Nursing for Environmental Safety Professionals, at the University of California, Santa Cruz, and Extension.

Robbins W: Work and Human Reproductive Health, AAOHN, Dallas, Texas.

Haag A, Thomas E: Occupational Health and Safety Principles and Nursing Certification Review Course, UCLA annually during this funding cycle.

Dissertations/Thesis

Samuel-Nakamura C: [2013] Uranium and other heavy metals in the plant-animal-human food chain near abandoned mining sites and structures in an American Indian community in northwestern New Mexico, PhD Dissertation, University of California, Los Angeles.

Occupational Medicine Residency

Journal Articles

Luderer U, Myers MB, Banda M, McKim KL, Ortiz L, Parsons BL: [2017] Ovarian effects of prenatal exposure to benzo[a]pyrene: Roles of embryonic and maternal glutathione status. *Reprod Toxicol.* 69:187-195.

Mishra B, Ortiz L, Luderer U: [2016] Charged iron particles, components of space radiation, destroy ovarian follicles. *Hum Reprod.* 31(8):1816-26.

Robinson T, Evangelista JS III, Latham E, **Mukherjee ST**, Pilmanis A: [2016] Recurrence of neurological deficits in an F/A-18D pilot following loss of cabin pressure at altitude. *Aerosp Med Hum Perform* 87:1-5.

Sravic M: [2016] Modeled regional airway deposition of inhaled particles in athletes at exertion. *Journal of Aerosol Science* 99: 54-63.

Barcellos-Hoff MH, Blakely EA, Burma S, Fornace AJ Jr, Gerson S, Hlatky L, Kirsch DG, Luderer U, Shay J, Wang Y, Weil MM: [2015] Concepts and challenges in cancer risk prediction for the space radiation environment. *Life Sci Space Res (Amst).* 6:92-103.

Khan A, Staimer N, Tjoa T, Galassetti P, Blake DR, Delfino R: [2013] Relations between isoprene and nitric oxide in exhaled breath and the potential influence of outdoor ozone: a pilot study. *Journal of Breath Research* 7:036007.

Luderer U, Kesner JS, **Fuller JM**, Krieg EF Jr, Meadows JW, Tramma SL, Yang H, Baker D: [2013] Effects of gestational and lactational exposure to heptachlor epoxide on age at puberty and reproductive function in men and women. *Environ Res.* 121:84-94.

Presentations

Vo JM: [2016] The Effects of Ozone Atherosclerosis. Poster, Western Occupational Health Conference, Las Vegas, NV, Sept 16-17.

Meharda S: [2015] Transplacental Toxicity of Benzo[a]pyrene in Muta TM Mouse. Poster, Western Occupational Health Conference, Tucson, AZ, Sept 25-26.

Nelson GL: [2015] Is there a Relationship Between Polycyclic Aromatic Hydrocarbon Exposure and Ovarian Reserve Markers in Humans? Poster, Western Occupational Health Conference, Tucson, AZ, Sept 25-26.

Vo JM: [2015] Exposure to Diesel Engine Exhaust and Alterations to Cells Involved in Inflammations. Poster, Western Occupational Health Conference, Tucson, AZ, Sept 25-26.

Flowers LM: [2014] Environmental Exposure to Polycyclic Aromatic Hydrocarbons and Ovarian Function in Women. Poster, Western Occupational Health Conference, San Diego, CA Sept 18-20.

Nelson GL: [2014] Work-Life Balance Among Physicians-Proposed Research. Poster, Western Occupational Health Conference, San Diego, CA, Sept 18-20.

Flowers LM: [2013] Occupational Beryllium and Aluminum Exposure: A New Perspective on Disease in the Nanotechnology Age. Poster, Western Occupational Health Conference, Honolulu, HI, Sept 26-28.

Gagnon DA: [2013] Brain and Other Nervous System Tumor Risk among Workers at the Long Beach Naval Shipyard: A Retrospective Cohort Study. American Occupational Health Conference, Orlando, FL, April.

Srasic MK: [2013] Modeled Deposition of Inhaled Particulate Matter in Athletes at Exertion. American Occupational Health Conference, Orlando, FL, April. [won award].

Dissertations/Thesis

Garcia JG: [2017] Occupational Heat Illness: A Review of Cases Reported to the California Division of Occupational Safety and Health from May 2015 - April 2016. Research Project, University of California, Irvine.

Vo JM: [2017] The Effects of Ozone on Atherosclerosis in Predisposed Mice, MS Thesis, University of California, Irvine.

Meharda S: [2016] In Utero Exposure to Benzo[a]pyrene Results in Ovarian Follicular Depletion in F1 Muta TM Mouse, MS Thesis, University of California, Irvine.

Nelson GL: [2016] Is there a Relationship Between Polycyclic Aromatic Hydrocarbon Exposure and Ovarian Reserve Markers in Humans?, MS Thesis, University of California, Irvine.

Flowers LM: [2015] The Effects of Polycyclic Aromatic Hydrocarbons on Ovulatory Status in Women, MS Thesis, University of California, Irvine.

Flores M: [2014] Blood Pressure Effect of Wild Land Fire Generated Ultrafine Particles in Rats, MS Thesis, University of California, Irvine.

Biascan AC: [2013] Air Pollution and Its Impact on Atherosclerosis, MS Thesis, University of California, Irvine.

Gagnon DA: [2013] Brain and Other Nervous System Tumor Risk among Workers at the Long Beach Naval Shipyard: A Retrospective Cohort Study, MS Thesis, University of California, Irvine.

Sracic MK: [2013] Modeled Deposition of Inhaled Particulate Matter in Athletes at Exertion, MS Thesis, University of California, Irvine.

Pilot Project Research Training

Journal Articles

Choi B, Schnall P, Dobson M, Yang H, Baker D, Seo Y: [2017] A socioecological framework for research on work and obesity in diverse urban transit operators based on gender, race, and ethnicity. *Annals of occupational and environmental medicine*, 29(1), 15.

Lee SJ, Lee JH: [2017] Associations of organizational safety practices with workers' perceptions, safety behaviors, and musculoskeletal symptoms among hospital workers. *Journal of Nursing Administration*. In press. July/August 2017

Lee SJ, Lee JH: [2017] Safe patient handling behaviors and lift use among hospital nurses: A cross-sectional study. *International Journal of Nursing Studies* 74: 53-60.

Cabasag CJ, Ziogas A, Shehata M, Anton-Culver H: [2016] A validation method to determine missing years of birth in a cohort study of shipyard workers using social security number. *JOEM* 58(6): 631-635.

Choi BK, Dobson M, Schnall P, Garcia-Rivas J: [2016] 24-hour work shifts, sedentary work, and obesity in male firefighters. *Am J Ind Med* 59:486-500

Fischer H, Kheifets L, Huss A, Peters T L, Vermeulen R, Ye W, Feychting M: [2015]. Occupational exposure to electric shocks and magnetic fields and amyotrophic lateral sclerosis in Sweden. *Epidemiology*, 26(6), 824-830.

Lee SJ, Lee JH, Gershon RR: [2015]. Musculoskeletal symptoms in nurses in the early implementation phase of California's safe patient handling legislation. *Research in nursing & health*, 38(3), 183-193.

Li F, **Lee ES**, Liu J, Zhu J: [2015] Predicting self-pollution inside school buses using a CFD and multi-zone coupled model. *Atmospheric Environment* 107:16-23

Lee S-J, Lee JH, Gillen M, Krause N: [2014] Job Stress and Work-related Musculoskeletal Symptoms among Intensive Care Unit Nurses: a Comparison between Job Demand-control and Effort-reward Imbalance Models. *Am J Indust Med* 57: 214-221.

Smith-Gagen J, Hollen R, Tashiro S, Cook DM, Yang W: [2014] The association of state law to breastfeeding practices in the US. *Maternal and child health journal*, 18(9), 2034.

Lee SJ, Faucett, J, Gillen M, Krause N: [2013] Musculoskeletal pain among critical-care nurses by availability and use of patient lifting equipment: an analysis of cross-sectional survey data. *International journal of nursing studies*, 50(12), 1648-1657.

Lee SJ, Gillen M, Krause N: [2013] Job Stress and Work-related Musculoskeletal Symptoms among Intensive Care Unit Nurses: A comparison between job demand-control and effort-reward imbalance models. *Am J Ind Med* 57(2):214-221

Lee SJ, Faucett J, Gillen M, Krause N: [2013] Risk perception of musculoskeletal injury among critical care nurses. *Am J Ind Med* 62(1):36-44

Lee S-J, Faucett J, Gillen M, Krause N, Landry L: [2013] Risk Perception of Musculoskeletal Injury among Critical Care Nurses. *Nursing Research* 62: 36-44.

Presentations

Chin DL, Hong O: [2017] Health-related Lifestyle and Health Problems among Career Firefighters in California. Poster, Global Korean Nursing Foundation (GKNF) International Nursing Conference. Chicago, IL, July 13-15.

Curtis D: [2017] The relationship between workplace racism and obesity in African American Women: A pilot study. Poster, Western Institute of Nursing Conference. Denver, Co April 19-22.

Lopez-Galvez N, Wagoner R: [2017] Exposure to Heat and Pesticides in Migrant Grape-Workers of Mexico. Oral presentation, American Society of Safety Engineers-Arizona Chapter. Tucson, Arizona. April 18.

Lopez-Galvez N, Wagoner R, Beamer P. A: [2017] Pilot Study on Migrant Grape Workers Exposure to Pesticides in Sonora, Mexico. International Society of Exposure Science Annual Meeting. Triangle Park, North Carolina. October 15-19. (accepted for poster and oral presentation)

Nam SH & Lee SJ: [2017] Relationships of musculoskeletal symptoms, employment status, obesity and leisure time physical activity among nurses. Poster, The 38th Annual Meeting and Scientific Sessions of the Society of Behavioral Medicine, San Diego, CA, March 29 to April 1.

Wagoner R, **Lopez-Galvez N**: [2017] Exposure to Heat and Pesticides in Migrant Grape-Workers of Mexico, an Update. Oral presentation, Binational Collaboration for Healthy Communities in the U.S.-Mexico border Region. Nogales, Mexico. 27 April 2017.

Wagoner R, **Lopez-Galvez N**, Beamer P: [2017] Heat and Hydration Assessment of Migrant Grape-Workers in Sonora, Mexico. Poster, International Society of Exposure Science Annual Meeting. Triangle Park, North Carolina. October 15-19.

Acheampong T: [2016] Occupational exposure to potential endocrine disrupting substances, and the risk of breast cancer: the Singapore Chinese Health Study. Poster, SCERC Fall Workshop, UCLA, Los Angeles, Sept 14.

Garcia-Rivas J: [2016] Access to care and injury experience among Orange County day laborers. Poster, SCERC Fall Workshop, UCLA, Los Angeles, Sept 14.

Harris-Adamson C, Lam E, Mielke A, Fathallah F, Hill S, Smith A: [2016] Biomechanical, physiological and subjective evaluation of bed making among hotel room cleaners. Oral presentation, Factors & Ergonomics Society International Conference, Washington DC, September 19-23.

Harris-Adamson C, Lam E, Mielke A, Fathallah F, Hill S, Smith A: [2016] Biomechanical, physiological and subjective evaluation of bed making among hotel room cleaners. Oral presentation, International Conference on the Prevention of Musculoskeletal Disorders, Toronto, Canada, June 20-23.

Harris-Adamson C, Lam E, Mielke A, Fathallah F, Hill S, Smith A: [2016] Biomechanical, physiological and subjective evaluation of bed making among hotel room cleaners. Oral presentation, NORA Services Sector Meeting, Oakland, CA, April 6.

Harris-Adamson C, Lam E, Mielke A, Fathallah F, Hill S, Smith A: [2016] Biomechanical, physiological and subjective evaluation of bed making among hotel room cleaners. Oral presentation, Southern California Ergonomics Symposium, UCLA, Los Angeles, CA, February

Lee SJ: [2016] Occupational factors associated with obesity and leisure-time physical activity among nurses in United States. Poster, American Association of Occupational Health Nurses, Jacksonville, FL, April 11-14.

Lee SJ: [2016] Work-related musculoskeletal symptoms or injuries: comparison between US and non-US educated nurses. Poster, Western Institute of Nursing Conference, Anaheim, CA April 6-9.

Liew Z, Paul K, Narayan S, Lee PC, **Ritz B**: [2016] Occupational pesticide exposures and risk of depression in central California. Poster, International Society of Environmental Epidemiology (ISEE), Rome, Italy, Sept 1-4.

Lopez-Galvez N: [2016] Exposure to heat and pesticides in migrant grape-workers of Mexico. Poster, SCERC Fall Workshop, UCLA, Los Angeles, Sept 14.

McNamara K: [2016] The effects of overtime among rotating shift workers in the oil industry. Oral presentation, American Industrial Hygiene Conference and Exposition, Baltimore, MD, May 21-26.

Nguyen C: [2016] An indoor air mitigation strategy for nail salons based on occupancy, pollutant level, and whole building emission rate. Poster, SCERC Fall Workshop, UCLA, Los Angeles, Sept 14.

Nguyen C, Shu S, Zhu Y: [2016] Characterizing ultrafine particles in nail salons in the Greater Los Angeles Area. Poster, American Industrial Hygiene Conference and Exposition (AIHce), Baltimore, MD, May 24.

Omidakhsh N: [2016] Parental occupational exposures and risk of sporadic retinoblastoma. Poster, SCERC Fall Workshop, UCLA, Los Angeles, Sept 14.

Yu N: [2016] Taxi Drivers' Urinary PAH Metabolites and Association with Lipid Peroxidation. Oral presentation, American Industrial Hygiene Conference and Exposition, Baltimore MD, May 21-26.

Choi BK: [2015] Exploring occupational and behavioral risk factors for obesity in urban bus drivers. Poster, SCERC Fall Workshop, UCLA, Los Angeles, Sept 16.

Choi BK, Dobson M, Schnall P, Garcia J, Seo Y: [2015] Exploring occupational and health-related behavioral risk factors for obesity among urban bus operators. Oral presentation, APA/NIOSH Work, Stress and Health Conference "Sustainable Work, Sustainable Health, Sustainable Organizations", Atlanta, GA, May 6-9.

Harris-Adamson C, Lam E, Mielke A, Fathallah F, Hill S, Smith A: [2015] Biomechanical, physiological and subjective evaluation of bed making among hotel room cleaners. Oral presentation, Samuel Merritt University Motion Analysis Research Center Annual Symposium, Oakland, CA, November 6-7th, 2015.

Lee E: [2015] Application of low-cost sensor air quality instruments to monitor school bus driver's exposure to vehicle-emitted particulate pollutants. Poster, SCERC Fall Workshop, UCLA, Los Angeles, Sept 16.

Lee E: [2015] Effects of window openings on children's exposure to ultrafine particles during school bus commutes in Los Angeles. Oral presentation, International Society of Exposure Science the 25th Annual Meeting, Henderson, NV, Oct 18-22.

Lee SJ: [2015] Factors associated with safe patient handling behaviors and lift use among hospital nurses: a statewide survey of California nurses. Poster, American Association of Occupational Health Nurses, Boston MA, March 23-26.

Liew Z: [2015] Occupational pesticide exposure and depression. Poster, SCERC Fall Workshop, UCLA, Los Angeles, Sept 16.

McNamara K: [2015] Assessing the health effects of rotating shift work in the oil industry. Oral presentation, American Industrial Hygiene Conference and Exposition, Salt Lake City, UT, May 30 - June 4.

McNamara K: [2015] The effects of extended shifts, overtime and shift rotation in the oil industry. Oral presentation, American Public Health Association, Chicago IL, Oct 31 - Nov 4, 2015.

Shu S: [2015] Exploratory investigation on chemical reactions initiated by indoor ultraviolet light: evidence of reaction and UFP generation. Poster, SCERC Fall Workshop, UCLA, Los Angeles, Sept 16.

Fisher H: [2014] Electric shocks, EMF, and ALS. Poster, SCERC Fall Workshop, UCLA, Los Angeles, Sept 23.

Lee SJ: [2014] Associations of organizational safety practices with workers' perceptions and safety behaviors, and musculoskeletal symptoms among hospital nurses. Poster, American Public Health Association Conference, New Orleans, LA, November 15-19.

Lee SJ: [2014] Safe patient handling and musculoskeletal symptoms among California nurses. Poster, Western Institute of Nursing Conference, Seattle, WA, April 9 - 12.

Tashiro S: [2014] Workplace breastfeeding policies and practices that promote healthy families. Poster, SCERC Fall Workshop, UCLA, Los Angeles, Sept 23.

Wargo-Sugleris M: [2014] Job satisfaction, work environment, and successful aging among older acute care nurses. Poster, SCERC Fall Workshop, UCLA, Los Angeles, Sept 23.

Yu N: [2014] LA taxi drivers' occupational exposure to PAHs: biomarkers for exposure and health. Poster, SCERC Fall Workshop, UCLA, Los Angeles, Sept 23.

Cabasag C: [2013] Evaluating the association between occupational agents and cancer risks in the Long Beach Naval Shipyard Cohort. Poster, SCERC Fall Workshop, UCLA, Los Angeles, Sept 17.

Lee L: [2013] Homecare workers' health. Poster, SCERC Fall Workshop, UCLA, Los Angeles, Sept 17.

Lee SJ: [2013] Musculoskeletal disorders among California nurses: impact of safe patient handling law. Poster, SCERC Fall Workshop, UCLA, Los Angeles, Sept 17.

Lutz E: [2013] Investigation of occupational respiratory risk of nanoparticle exposure through epithelial cell toxicity. Poster, SCERC Fall Workshop, UCLA, Los Angeles, Sept 17.

Zhu Y: [2013] Simultaneous control of ultrafine particles and carbon dioxide in passenger vehicles. Poster, SCERC Fall Workshop, UCLA, Los Angeles, Sept 17.

Belafsky S: [2012] Survey of occupational medicine clinicians to assess current practices in medical clearance for respirator use. Poster, SCERC Fall Workshop, UCLA, Los Angeles, Sept 19.

Brogmus G: [2012] Workplace intervention to reduce back pain through the control of early morning flexion in UCLA maintenance workers. Poster, SCERC Fall Workshop, UCLA, Los Angeles, Sept 19.

Sugeng A: [2012] Pesticide sampling among farm workers in Yuma County. Poster, SCERC Fall Workshop, UCLA, Los Angeles, Sept 19.

Dissertations/Thesis

Nguyen C: [2016] Indoor Air Quality of Nail Salons in the Greater Los Angeles Area: Assessment of Chemical and Particulate Matter Exposures and Ventilation, M.S. Thesis, University of California, Los Angeles.

Wargo-Sugleris M: [2015] Job satisfaction, work environment, and successful aging: determinants to remain in older acute care nurses, Ph.D. Dissertation, University of California, Los Angeles.

Targeted Research Training

Journal Articles (TRT doctoral student trainees)

Banaee S, Que Hee S: [2017] Permeation of limonene through disposable nitrile gloves using a dextrous robot hand. *Journal of occupational health* 59(2), 131-138.

Mathews AR, Que Hee S: [2017] Whole glove permeation of cyclohexanol through disposable nitrile gloves on a dextrous robot hand and comparison with the modified closed-loop ASTM F739 method 1. No fist clenching. *Journal of occupational and environmental hygiene* 14(4), 243-251.

Mathews AR, Que Hee S: [2017] Whole glove permeation of cyclohexanol through disposable nitrile gloves on a dextrous robot hand: Fist clenching vs. non-clenching. *Journal of occupational and environmental hygiene* 14(4), 252-257.

Mathews AR, Que Hee SS: [2016] Quantitative leak test for microholes and microtears in whole gloves and glove pieces. *Polymer Testing* 54:244-249

Wang A, Arah OA, Kauhanen J, Krause N: [2016] Effects of leisure-time and occupational physical activities on 20-year incidence of acute myocardial infarction: mediation and interaction. *Scand J Work Environ Health* 42(5), 423 - 434.

Wang A, Arah OA, Kauhanen J, Krause N: [2016] Shift work and 20-year incidence of acute myocardial infarction: results from the Kuopio Ischemic Heart Disease Risk Factor Study. *Occup Environ Med* 73:588-594

Wang A, Arah OA, Kauhanen J, Krause N: [2015] Work schedules and 11-year progression of carotid atherosclerosis in middle-aged Finnish men. *Am J Ind Med*, 58(1):1-3

Journal Articles (TRT program visiting professors)

Choi S, Kang D, Park D, Lee H, Choi B: [2017] Developing Asbestos Job Exposure Matrix Using Occupation and Industry Specific Exposure Data (1984–2008) in Republic of Korea. *Safety and health at work*, 8(1), 105-115.

Choi B, **Choi S**, **Jeong J**, **Lee J**, Shu S, Yu N, Ko S, Zhu Y: [2016] Ambulatory heart rate of taxi drivers while driving without their typical psychosocial work stressors: a pilot study. *Annals of Occupational and Environmental Medicine*. 28(10),1-8.

Choi B, **Ko S**, Ostergren PO: [2015] Validity test of the IPD-Work Consortium approach for creating comparable job strain groups between the Job Content Questionnaire and the Demand-Control Questionnaire. *International Journal of Occupational Medicine and Environmental Health*, 28(2), 321-333.

Choi B, Schnall P, Landsbergis P, Dobson M, **Ko S**, **Gomez-Ortiz V**, Juárez-García A, Baker D: [2015] Recommendations for individual participant data (IPD) meta-analyses on work stressors and health outcomes: comments on IPD-Work Consortium papers. *Scandinavian Journal of Work, Environment and Health*, 41(3), 299-311.

Choi B, Dobson M, **Ko SB**, Landsbergis P: [2014] Job strain and lifestyle factors [letter]. *Canadian Medical Association Journal*, 186(1),63-64.

Choi B, Dobson M, Landsbergis P, **Ko SB**, Yang H, Schnall P, Baker D: [2014] Job strain and obesity [letter]. *Journal of Internal Medicine*, 275(4), 438–440

Choi B, **Ko SB**, Landsbergis P, Dobson M, Garcia AJ, Schnall P, Baker D. [2014] Re: Siegrist J, Dragano N, Nyberg ST et al. validating abbreviated measures of effort-reward imbalance at work in European cohort studies: the IPD-Work consortium [letter]. *International Archives of Occupational and Environmental Health*, 87 (1), 111–112.

Choi B, **Ko SB**, Landsbergis P, Dobson M, Schnall P: [2014] Job strain and health-related behaviors [letter]. *American Journal of Public Health*, 104(3), e3-e3.

Choi B, Schnall P, Dobson M, **Garcia J**, **Kim HR**, Zaldivar F, Israel L, Baker D: [2014]. Very long (> 48 hours) shifts and cardiovascular strain in firefighters: a theoretical framework. *Annals of Occupational and Environmental Medicine*, 26:5

Choi B, Dobson M, Landsbergis P, **Ko SB**, Yang H, Schnall P, Baker D. [2013] Re: “Need for more individual-level meta-analyses in social epidemiology: example of job strain and coronary heart disease” [letter]. *American Journal of Epidemiology*, 178(6), 1007-1008.

Choi B, Schnall P, **Ko SB**, Dobson M, Baker D: [2013] Job strain and coronary heart disease [letter]. *Lancet*, 381 (9865), 448.

Kim HR, Yim HW, Jo SJ, Choi B, Jeong SH, Lee KS, Park JI, Chang SM: [2013] Major depressive disorder, panic disorder, and post-traumatic stress disorder in Korean subway drivers. *International Archives of Occupational and Environmental Health*, 86(4), 471-477.

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Presentations

Brogmus G, Guzman J: [2017] Ergonomics: From Research To Reality- Prevention through Design. Oral presentation, National Restaurant Association Conference. Chicago, IL, February 9.

Brogmus G: [2017] Understanding Low Back Pain and Reducing the Associated Disability. Oral presentation, The Oregon Governor's Occupational Safety & Health Conference (GOSH). Portland, OR, March 8.

Curtis D: [2017] The relationship between workplace racism and obesity in African American Women: A pilot study. Poster, Western Institute of Nursing Conference. Denver, Co April 19-22.

Yu N, Shu S, Lin Y, Zhu Y: [2017] Measuring and Reducing Fine and Ultrafine Particles inside Los Angeles Taxis. Poster, AIHce Conference, Seattle WA, June 4-7.

Brogmus G: [2016] Aging workforce misconceptions are getting old. Oral presentation, Ergonomics Symposium Updates in Ergonomics: Demonstrating Economic Value. Los Angeles, CA, February 24.

Brogmus G: [2016] A Workplace Training Intervention to Prevent Low Back Pain with an Update on Medical Interventions. Oral presentation, ASSE Orange County PDC. La Brea, CA, March 23.

Brogmus G: [2016] Controlling chronic back pain through control of early morning flexion. UCLA Ergonomics Webinar, December 13.

Brogmus G: [2016] Occupational Causes of Back Pain - Asking the Right Questions. UCLA Ergonomics Webinar, July 12.

Brogmus G: [2016] Improving ridiculously heavy lifting tasks. UCLA Ergonomics Webinar, October 11.

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Brogmus G: [2016] Wake up! Our lives are being compromised by our crazy work schedules! Oral presentation, Ergonomics Symposium Updates in Ergonomics: Demonstrating Economic Value. Los Angeles, CA, February 24.

Omodakhsh N, Heck J, Ritz B, Krause N, Von Ehernstein O, Bunin G, Ganguly A: [2016] Parental Occupational Exposures and Risk of Childhood Retinoblastoma. Poster, Epidemiology Congress of the Americas, Miami, FL, June 21-24.

Wang A, Arah OA, Kauhanen J, Krause N: [2016] Does Leisure Time Physical Activity interact with and modify the Impact of Occupational Physical on 20-Year Incidence of Acute Myocardial Infarction? Poster, Epidemiology Congress of the Americas, Miami, FL, June 21-24.

Yu N: [2016] Taxi Drivers' Urinary PAH Metabolites and Association with Lipid Peroxidation. Oral presentation, AIHce Conference, Baltimore MD, May 21-26.

Banaee S, Que Hee S: [2015] Permeation of Limonene through Disposable Nitrile Gloves Using A Dynamic and Static Robotic Hand. Poster, American Industrial Hygiene Conference and Exposition. Salt Lake City, UT, May 30-June 4.

Brogmus G: [2015] A Strategy for Conquering Back Pain. UCLA Ergonomics Webinar, December 15.

Wang A, Nianogo RA, Arah OA: [2015] G-Computation and Inverse Probability of Treatment Weighted Estimation of Average Treatment Effects among the Treated and the Untreated. Oral presentation, Society for Epidemiologic Research Annual Meeting: Concurrent Contributed Session. Denver, CO, June 16-19.

Banaee S, Que Hee S: [2014] Permeation of 2-Butoxyethanol through Purple Disposable Nitrile Gloves. Oral presentation, American Industrial Hygiene Conference and Exposition. San Antonio, TX, May 31 to June 5.

Brogmus G: [2014] Occupational Ergonomics: Anthropometry to Zygology. Oral presentation, EHS M411 Seminar, Department of Environmental Health Sciences, Fielding School of Public Health, Los Angeles, CA, January 23.

Wang A, Arah OA, Kauhanen J, Krause N: [2014] Weekend shift work and progression of atherosclerosis. Poster, Fall Interdisciplinary Workshop by Southern California NIOSH Education and Research Center. Los Angeles, CA, Sept 23.

Wang A, Arah OA, Kauhanen J, Krause N: [2014] Work Schedule and 11-year progression of carotid atherosclerosis in middle-aged Finnish men. Oral presentation, IEA World Congress of Epidemiology: Occupational Health. Anchorage, AK, Aug 17-21.

Yu N, Shu S, Lin Y, Zhu Y: [2014] LA taxi drivers' occupational exposure to PAHs: Biomarkers for exposure and health. Poster, SCERC Fall Workshop, Los Angeles, September 23.

Banaee S, Que Hee S: [2013] Permeation of 2-Ethoxyethanol through Purple Disposable Nitrile Gloves. Oral presentation, American Industrial Hygiene Conference and Exposition. Montreal, Quebec, May 18-23.

Brogmus G: [2013] Intermediate Ergonomics Training. Oral presentation, Internal Liberty Mutual training, Chicago, IL, July 30-31

Mathews A: [2013] Permeation of Cyclohexanol through Disposable Nitrile Gloves: the ASTM and Dextrous Robotic Hand Models. Oral presentation, EHS M411 Seminar, Department of Environmental Health Sciences, Fielding School of Public Health, Los Angeles, October 3.

Mathews A, Que Hee S: [2013] Robotic Hand Whole Glove Permeation of Semi/Non-volatile Compounds through Disposable Nitrile Gloves. Oral presentation, American Industrial Hygiene Conference and Exposition, Montreal, Canada, May 18-23.

Mathews A, Que Hee S: [2012] Detection of Micro-Holes and Tears in Disposable Nitrile Gloves. Oral presentation, American Industrial Hygiene Conference and Exposition. Indianapolis, IN, June 16-21.

Dissertations/Thesis

Omidakhsh N: [2017] Parental Occupational Exposure and Childhood Cancer, PhD Dissertation, University of California, Los Angeles.

Wang A: [2016] Opening the Black Box: Estimation of Targeted Effects in Causal Mediation Analysis With Applications to Global Health and Occupational Epidemiology, PhD Dissertation, University of California, Los Angeles.

Banaee S: [2015] Permeation of Limonene through Disposable Nitrile Gloves in the Robot Hand Whole Glove and ASTM Closed Loop Models, PhD Dissertation, University of California, Los Angeles.

Mathews A: [2013] Permeation of Cyclohexanol Through Disposable Nitrile Gloves, PhD Dissertation, University of California, Los Angeles.