

FULL CURRICULUM VITAE

I. NAME:

Penelope Jane Eiddwen (Jenny) Quintana

II. EDUCATION:

<i>A. Institution</i>	<i>Years Attended</i>	<i>Degree</i>	<i>Major Field</i>
University of California at Berkeley	1985-1990	Ph.D.	Environmental Health Sciences
San Diego State University	1983-1985	M.P.H.	Occupational and Environmental Health
University of California at Davis	1976..1983	B.S.	Genetics

B. Title of Dissertation "Application of the glycophorin A human somatic mutation assay to styrene - exposed workers"

III. TEACHING POSITIONS AND RANKS HELD

<i>Institution</i>	<i>Rank</i>	<i>Dates</i>	<i>Major Subject</i>
San Diego State University Graduate School of Public Health	Professor MPH <i>Graduate Advisor</i>	2014 – Present 2013 – Present	Environmental Health
	Associate Professor	2001 -2013	
	<i>Co-Director/ JDP Global Health</i>	2007 – 2009	
	Assistant Professor	1995 – 2001	Environmental Health
University Of British Columbia Occupational Hygiene Programme	Assistant Professor	1992 – 1994	Occupational Health

OTHER PROFESSIONAL POSITIONS:

Indoor Environment Program, Lawrence Berkeley Laboratory
Staff Scientist II 1991 to 1992

Flinders Medical Centre, Bedford Park, South Australia
 Visiting Research Fellow 1990

Environmental Health Sciences Department, University of California at Berkeley
 Research Associate 1985 to 1990

Naval Ocean Systems Center, San Diego, CA
 Industrial Hygiene Trainee 1984

IV. TEACHING EFFECTIVENESS

Curriculum Development and Teaching Innovations

Curriculum Development: COURSES at San Diego State University:

PH 638A - Principles of Toxicology (2013 – present)
 PH 784 - Global Environmental Health – (2011 -present)
 PH 750C -Field experience in Baja California – Environmental Health component, VIDAII (2000)
 PH 700D - Research Methods in Occupational and Environmental Health (2000 –2009)
 PH 700C - Seminar in Exposure Assessment: Biological Monitoring (1999 -2003)
 PH 700D - Principles of Ergonomics (1998-1999)
 PH 634 - Environmental Protection (1995 –2010)
 PH 604 - Environmental Determinants of Human Health (1995 – present)

Lectures/Assistance in other undergraduate, graduate and doctoral classes GSPH divisional courses (PH 101, PH 304, PH 800, PH 637, PH746) and for Nursing and Journalism classes

Graduate Degree Curriculum proposals

Prepared and submitted the proposal for the new PhD in Public Health, concentration Global Health (2006)

Thesis/ Project mentoring

Chair, Dissertation Committee of PhD in Public Health, Global Health. Paula Stigler, 2013. Title: Water, culture and environmental health: understanding community based planning to improve health outcomes in vulnerable populations

Chair, Dissertation Committee of PhD in Public Health, Epidemiology. Jennifer Kraus, 2002. Title: The implementation of ISO 14001-conformant environmental management systems and occupational injury & illness rates along the U.S.-Mexico border

Member, Dissertation Committee of PhD in Public Health, Health Behavior Science. Christine Marie Boman, 2014. Title: A real-time Intervention to improve household air quality among low-income families

Member, Dissertation Committee of JDP in Public Health, Epidemiology. Rany Salem, 2009. Title: Statistical methods for genetic association analysis involving complex longitudinal data

Member, Dissertation Committee of JDP in Public Health, Epidemiology. Archana McEligot, 2001. Title: Relationships between smoking, homocysteine and folate

Chair, M.P.H., M.S. theses and manuscripts

Luat, Paul 2018. Title: Spatial distribution of black carbon in air samples from the US-Mexico border community of San Ysidro, CA

Eisenberg, Rina 2018. Title: Influence of wind speed and direction on particulate air pollution (PM_{2.5}) levels of an air monitoring station near the US/Mexico border port of entry in Otay-Mesa, California

Azure, Lorren 2017. Title: Polycyclic aromatic hydrocarbons and oxygenated polycyclic aromatic hydrocarbons (PAHs and Oxy-PAHs) in house dust samples in relation to smoking behavior in the home

Markman, Laura 2017. Screening low income homes in San Diego County for thirdhand smoke contamination through surface wipe nicotine sampling

Rozhavskaya, Lyubov 2016. Title: The association between season and critical food safety violations in San Diego County retail food facilities

Salas, Renita. 2016. Title: Predictors of food facility violations during routine inspections in San Diego during 2013-2014

Bryson, Emily 2017. Potential Chlorpyrifos Exposure and Type 1 Diabetes in Southern California Youth

Patel, Priyansi: 2016. Title: Characterization of nanoparticle emissions from 3D Printers in different environments

Theweny, Teaba 2015. Title: Measurement of thirdhand smoke in a casino: surface nicotine wipes pre and post smoking ban

Correll, Taylor: c2015. Title: Analysis of Complex Polycyclic Hydrocarbon mixtures found in particulate matter air samples from the San Diego – Tijuana border region using GCxGC-TOFMS

Buan, Katherina. c2014. Title: Particulate matter concentrations in children and adult breathing heights in residential third hand smoke environments

Rivera, Bernardo. c2014. Title: An assessment of mobile food facilities handler knowledge

Gamble, Jamison. c2013. Title: Spatial measurements of traffic-related air pollutants in San Ysidro, CA using CitiSense, a novel mobile air quality sensing system

- Ashoor, Roshan c2013. Title: Perturbation of autophagy by lysosomotropic drugs
- Ponce, Samantha Jane, c2012. Title: Adverse auditory outcomes in U.S. Navy members from 2001-2008
- Betancourt, Juan R., c2012. Title: Determinants of airborne lead exposure during Special Operations training for United States Marines
- Yafawi, Rolla c2012. Title: Perturbation of autophagy by basic lipophilic compounds correlation of LC3 and p62 abundance employing U2OS-GFP cells
- Ramos, Alethea L., c2012. Title: Risk assessment of methylmercury from fish consumption in Oahu, Hawaii using hair as a biomarker of exposure
- Galaviz, Vanessa, c2012. Title: Glutathione S-transferase P1 (GSTP1) RNA levels in placental tissue in relation to polyaromatic hydrocarbon-DNA adducts.
- Becasen, Jarrod K., c2012. Title: Evaluating the effectiveness of the lift team method in reducing musculoskeletal injuries associated with patient handling tasks.
- Rubio, Wesley Shawn, c2011. Title: Biological Control of Mosquitoes of Disease in San Diego County
- Cokely, Sarah Elizabeth, c2011. Title: Hantavirus in rodents of San Diego County in relation to the El Niño-Southern oscillation (ENSO)
- Rodriguez, Edgar, c2011. Title: Roadside Air Pollution Measurements and Traffic Volume in a US-Mexico Border City: Tijuana, B.C
- Dumbauld, Jill, c2011. Title: Traffic related air pollution in the community of San Ysidro, California, in relation to northbound delays at the U.S.-México Border
- Blanco Ramirez, Josefina, c2011. Title: Validation of a traffic exposure questionnaire for pregnant women living in Tijuana, B.C.
- Mohammadian, Martonius Ali, c2010. Title: Heavy metal contamination of house dust in homes of smoking mothers with infants
- Kantamneni, Priyanka c2010. Title: Lead levels in exfoliated teeth of children from the twin cities of Hyderabad and Secunderabad, India
- Lushenko, Mallory Arden, c2010. Title: A risk assessment for ingestion of toxic chemicals in fish from Imperial Beach, California
- Parker, Denise, c2010. Title: Spatial and temporal influences of a major freeway on ultrafine particle concentrations monitored in nearby residential areas.
- Garnica, Lynelle c2010. Title: Spatial distribution of traffic related air pollutants in the community of San Ysidro
- Bryden, Megan Sarah, c2009. Title: Levels of black carbon, particle bound polycyclic aromatic hydrocarbons, and ultrafine particles inside vehicles crossing the U.S./Mexico border
- Ye, Tao, 2009 Title: Association between dietary biomarkers and global DNA methylation in blood samples from pregnant Hispanic women and cord blood

Graubard, Ellen R. c2008, Title: Fasting blood glucose levels associated with persistent organic pollutants in the U.S. population

Kowalewsky, Andrew Stephen, c2008 Title: Comparison of the new TSI Nanoparticle Surface Area Monitor, model #3550, with the TSI P-TRAK ultrafine particle counter, model #8525, for evaluation of ultrafine particles near a major highway

Rende, Alexander Kent, c2008. Title: Nutritional biomarkers and glutathione-s-transferase levels in serum from pregnant Hispanic women

Roberts, Denise Marie, 2008. Title: Effect of pregnancy upon levels of biomarkers related to environmental exposures measured in NHANES/CDC DEH data 1999-2002

Porter, Valencia Booth, c2007. Title: Heavy metal concentrations in house dust and soil of homes on an active landfill in Tijuana, Mexico

Ekenga, Christine C. c2007 Title: The effects of the 2003 San Diego County wildfires on birth outcomes in San Diego County

Kammerer, Peter E., c2007 Title: Influence of GSTM1 and GSTT1 genotypes on serum glutathione-S-transferase (GST) enzyme activity levels during pregnancy in Hispanic women

Uribe, Anna Malgorzata, c2007 Title: Nicotine levels inside vehicles sold by smokers and nonsmokers : development of dust, wipe and air sampling methods

Scalzo Brown, Shelley R., c2006 Title: Characterization of peaks in hourly ambient particulate matter concentrations in San Diego County, 2003-2004

Dulin, Pamela Alzona, c2006. Title: Comparing the collection efficiency of the Andersen N6 one stage viable air sampler versus the Andersen two-stage viable air sampler

Alvarado, Claudia Lizzeth, c2006. Title: Occupational exposure to formaldehyde from turbine emissions in test cells

Kennedy, Aisha S., c2006. Title: Characterization of peaks in particulate matter exposure amongst groundswokers

Sierra Olivas, Maria Mercedes, c2006. Title: Role of glutathione-S-transferase genetic polymorphisms in anencephaly : a pilot case-control study

Fageer, Ahmed Abasher, 2005. Title: Effects of rain on fungal spore concentrations in the outdoor air in San Diego County, California,

Huynh, Bao-An Ngoc c2005. Title: Assessing food safety knowledge of food handlers in food facilities that handle raw chicken in areas found to have Campylobacter illness in San Diego County /

Grosland, Angie Jane, c2005. Title: Comparison of Narda EMR-300, Nardalert XT, and a theoretical model for measuring radiofrequency

Josaya, Shadreck, c2005. Title: Comparison of the collection efficiency of the Zefon Air-O-Cell cassette and the Millipore filter method in the collection of fungal spores in four different environments

- Hull, Stacey T., c2005. Title: CYP1A1 polymorphisms in a Mexican obstetric population
- Boyd, Derek, c2005. Title: Development of a database for foodborne illness risk factors for Navy facilities and comparison to FDA guidelines
- Encarnacion, Ricardo Mula, c2005. Title: The development of a food safety operational manual incorporating hazard analysis critical control point systems for a San Diego elementary school district
- Fontanoz, Marisa Ada, c2005. Title: Drinking water quality, water use practices, and health survey data from four indigenous communities in Baja California
- Boynton, Bryan Thomas, c2005. Title: Evaluation of a portable x-ray fluorescence instrument for the determination of manganese in workplace air samples
- Simmons, Derrick W., c2005. Title: Trihalomethane concentrations in chlorinated roof harvested rainwater in Bermuda
- Taylor, Charlene M., c2003. Title: Eco-badge : evaluation of a new diffusive sampler to measure ozone at the short term exposure limit
- Shaputnic, Carolyn J., 2003. Title: Evaluation of Glutathione S-Transferase levels in human placenta in a Hispanic population
- Ingmanson, Sonja, 2003. Title: Genotype of Glutathione S-Transferase Pi (GSTP1) in a Mexican obstetric population
- Peñalosa, María L., 2002. Title: Parotid fluid for biomonitoring of cadmium
- Turner, Matthew Scott, 2002. Title: Determinants of a young child's personal exposure to particulate matter
- Negado, Loreto Navarro, 2002. Title: The survival and recovery of *Shigella flexneri* in Mexican-style salsa
- Rihal, Anita, 2002. Title: Use of personal light, motion, and temperature loggers to verify continuous wearing of personal exposure monitors
- Wills, Larry J., 2001. Title : Evaluation of a real-time particle monitor during high relative humidity in an ambient environment
- Tanner, Paula Marie 2001. Title : Analysis of cross-connection incidents in the US, 1901-2000
- Jalocon, Anna Fe Galvez, 2001. Title: Evaluation of performance of [lower case p]DR-1000 for collecting ambient particulate in high relative humidity under controlled laboratory conditions
- Suree, Sopon, 2001. Title: Occupational exposure to isocyanates from the use of polyurethane-based paints in autobody painting operations
- Juarez, Theodore Joseph, 2001. Title: Polycyclic aromatic hydrocarbon content in household dust in relation to environmental tobacco smoke and traffic exposure
- Novianti, Nurul Indah. 2000. Title: Comparison of wipe and cyclone methods for the determination of nicotine and cotinine levels (markers of environmental tobacco smoke) in residential house dust

- Neuwirth, Efrem A. H., 2000. Title: A reversion assay for the recovery of interallelic recombination in a human cell line
- Garza, Paloma Angelica, 2000. Title: Examining latex policies in California hospitals
- Rabanal, Christhene Romero, 2000. Title: DNA breaks caused by estrogen metabolites in human cells in vitro
- Lee, Leo, 2000. Title: Comet assay evaluation of lymphocytes from rats exposed to methyl t-butyl ether
- Michaletz, Colette A., 2000. Title: The association of cigarette use and risk of musculoskeletal injury in a marine recruit population
- Valenzia, Jennifer Renee, 1999. Title: An evaluation of the relationship between daily activities and personal particulate exposures
- Sproul, Lawrence A., 1999. Title: Development and implementation of a food service safety assurance plan for a U.S. Navy hospital food facility utilizing the hazard analysis and critical control point method
- Chaudhry, Zulfiqar Ashraf, 1999. Title: Tractor noise exposure and self-reported hearing loss in farmers
- Katz, Mark Abram, 1999. Title: Comparing airborne particulate levels among different types of animal beddings during cage cleaning
- Park, Hyun Jung, 1999. Title: Gossypol-induced DNA strand breaks and apoptosis in rat lymphocytes studied in the comet assay
- Archer, Daniel Erzah, 1998. Title: Comet assay of photoactive DNA damaging capacities of anthracene and phenanthrene on *Aurelia aurita* ephyrae
- Hobson, Mary C., 1998. Title: The effect of flow rate on the collection efficiency of proposed respirable dust sampling criteria
- Kapin, James Michael, 1998. Title: Airborne asbestos exposures from floor polishing operations
- Ries, Pamela E., 1997. Title: The effects of estradiol on levels of DNA damage in human lymphocytes in vitro as measured in the 'comet assay'
- Campbell, Margaret Rachel, 1996. Title: The association of allele(s) type at the HLA-DPBI locus and protection or predisposition for developing occupational asthma due to Western red cedar

Second reader, M.P.H. and M.S. theses

- Lu, Ally 2018 levels and occurrence of the neonicotinoid pesticide imidacloprid in Forester Creek, Santee, CA.
- Kerdi, Kaltoum 2018 Seasonal variation of chemical composition of PM2.5 in four sites in San Ysidro, CA
- Ghukasyan, Tigran 2018. Identification of thirdhand smoke chemical constituents using a non-targeted approach

- Dominguez, Edward 2018. Analysis of Stormwater Compliance from Industrial Activities in California, 2007 to 2016
- Biando, Gerald. 2018 An Analysis of Restaurant Food Safety Practices within Full-Service Restaurants During Peak Business Hours in San Diego County, California
- Paras, Kathryn 2018. Measurements of PM2.5, PM 1, and black carbon in cooking and non-cooking environments inside California shopping malls
- Necochea, Karla 2018. Analysis of Stormwater Compliance from Industrial Activities in California, 2007 to 2016
- Nguyen, Kiet 2015. Title: Elevated fine particle matter and black carbon concentrations in Santiago, Chile, during the winter season
- Pasha, Dalal N. c2013. Title: Heritable adrenergic influence on renal function in healthy twin pairs as well as progressive renal disease
- Naughton, Michael 2013. Title: SLAMM modeling of the effects of sea level rise on coastal wetland habitats of San Diego County
- Melkani, Anju, c2013 Title: Assessment of potential health hazardous chemicals in household dust
- Khoh-Reiter, Su M., c2011. Title: Assessment of hematological toxicity associated with combining classical chemotherapeutic and targeted cancer drugs
- Mota-Raigoza, Arturo, c2012. Title: Characterization of traffic related air pollution particulate matter mass and surface area concentrations in the border community of San Ysidro and the Tijuana River National Estuarine
- Jiao, Yang, c2012. Title: Elemental analysis in house dust using handheld X-ray fluorescence
- Shwayhat, Christy Dianna, c2011. Title: Criteria pollutant emissions due to delays at the San Diego County-Baja California crossings
- Braga, Marcelo do Vale, c2011. Title: The role of biological volatilization in selenium removal by the Imperial constructed wetlands, Imperial, CA
- Barzee, Suzanne c2010. Title: Greenhouse gas emissions due to vehicle delays at the San Diego-Tijuana border crossings
- Wittry, Beth C., c2010. Title: Evaluation of thirdhand smoke exposure to polycyclic aromatic hydrocarbons through indoor contamination of settled house dust
- Van, Almira, c2010. Title: Persistent organic pollutant content of marine debris found on San Diego beaches
- Hunt, Richard Nathan, 2009. Title: Investigation of polycyclic aromatic hydrocarbons in settled house dust of homes exposed to environmental tobacco smoke
- Cheng, Thales J., 2009. Title: Effect of the El Niño-Southern oscillation (ENSO) on mosquito vectors of the West Nile Virus in San Diego, CA

Kim, Do Hyung, 2009 .Title: Methyl-t-butyl ether effects on male rat reproductive steroid hormone levels and liver aromatase mRNA transcripts

Stigler, Paula Elaine, 2009. Title: Water quality as an environmental health indicator in two Baja California indigenous communities associated with new drinking water infrastructure systems

Calleros, Jesus, 2008. Title: Levels of heavy metals and self-purification assessment in Tecate Creek on the U.S.-Mexico border

Hundley, Vincent M., 2008. Title: Validation of the UCB particle monitor using different combustion sources

Rodriguez, Yvonne Raquel, 2007. Title: Evaluating oxidative damage by methyl tert-butyl ether in male BALB/c mouse livers

Johnson, Paula Ingrid, c2007. Title: The fate of selenium in the Imperial and Brawley constructed wetlands in Imperial Valley, California

Rose, Michael A., c2006. Title: Real-time RT-PCR quantification of hepatitis A virus and enterovirus in runoff from the Tijuana River and bathing waters of nearby Imperial Beach /

Rozenshteyn, Diana, 2005. Title: Effect of high methyl tertiary-butyl ether exposure on serum estradiol in male Sprague-Dawley rats

Makau, Fredrick Muya, 2004. Title: Quality of roof runoff stored and used as drinking water in Machakos, Kenya

Shufutinsky, Anton, 2004. Title: Validation of the Aerotech 6 Single-Stage Microbial Sampler, the SKC BioStage Bioaerosol Impactor, the SKC Micromedia BioStage Bioaerosol Impactor, and the Thermo Andersen N6 Single-Stage Viable Impactor in the collection of fungal spores

Kernazitskas, David Wayne 2003. Title: Comparison of Allergenco, Burkard, and Andersen samplers in atmospheres containing viable and non-viable fungal spores

Hirakawa, Brad P., 2003 Title: Xenobiotic-induced changes in rat heart gene expression : in vivo and in vitro comparisons

Nakatsu, Jason I., 2002. Title: Detection of ethyl methacrylate in parotid saliva of artificial nail technicians

Mintz, Sean D., 2002. Title: Occupational exposure to radiofrequency energy at controlled television broadcast towers

Hanley, Yulia M., 2002. Title: Impact of rainfall on microbiological water quality of Mission Bay, California

Lord, Jean Lanette, 2002. Title: Effects of pterin mixtures on MCF-7 cells

Mahboubi, Payam, 2000. Title: Gene-environment interactions in renal cancer

Longo, Ric Clayton, 2000. Title: A validation study of the AirScan passive gas monitor method by comparing it to the NIOSH Method 3500 under controlled laboratory conditions

- Tsai, Miyun Mindy, Title: The development of simple in vitro cytotoxicity screening models to support drug discovery and drug development
- Chatfield, Peggy Joy, 2000. Title: Maternal cotinine levels and spontaneous abortion outcome
- Son, Giang Hong Duc, 2000. Title: Patterns of environmental tobacco smoke exposure among Hispanic children and acute asthma symptoms
- Brenner, Linda Suzanne, 1999. Title: A comparison of the Andersen single (N6) stage viable sampler and the Rotorod non-viable sampler
- Breay, James Eugene, 1999. Title: Comparison of the SKC aluminum cyclone and the Dorr-Oliver 10 mm nylon cyclone for collecting respirable samples of silica dust
- Vicario-Fisher, Marie, 1999. Title: Total arsenic concentration in muscle tissue of *Tilapia mossambica* and *Bairdiella icistia* : a human health risk assessment for fish consumed from the Salton Sea
- Surico-Bennett, Janie, 1999. Title: A risk analysis of selenium in the Salton Sea, Imperial Valley, California.
- Knobler, Meredith F., 1998. Title: Human health risk assessment for mercury in fish from Mission Bay and San Diego Bay, California
- Clemente, Chiara M., 1998. Title: Birds as a source of fecal coliforms to mussels (*Mytilus galloprovincialis*) grown in the Agua Hedionda Lagoon, San Diego County, California
- Washabaugh, Geraldine M., 1998. Title: Resistance patterns to selected antibiotics in *Escherichia coli* O157:H7 isolated from clinical specimens and from various foods, San Diego County, 1990-1997
- Largent, Joan Ann, 1998. Title: Risk factors for reactive arthritis following sporadic *Salmonella* infection in San Diego County
- Morgan, Ryan E., 1998. Title: The tissue pharmacokinetics and related non-antisense effects of a phosphorothioate oligodeoxynucleotide (P=S-ODN) administered subchronically in rats
- Culley, Carla Aliciasue, 1998. Title: Evaluation of tanning facility compliance to legislation
- McPherson, Scott Edward, 1998. Title: Development and utilization of a pharmaco/toxicokinetic model for extracellular matrix proteins used in the treatment of periodontal disease
- Hucke, Raymond Kelly, 1998. Title: Occupational and environmental health study of seasonal and migrant agricultural workers in north San Diego County
- Kailasam, Mala T., 1997. Title: Sympathetic nervous system reactivity to cold stress in families with essential hypertension : racial differences and evidence for heritability
- Del Vecchio, Julie Dene, 1997. Title: Mosquito vectors of disease in San Diego County, California, and the environmental conditions affecting their abundance
- Manza, Linda Lee, 1997. Title: Characterization of the renal toxicity induced by phosphorothioate oligonucleotides
- Heza, Victoria Elizabeth, 1995. Title: Effects of MTBE on reproductive endocrine function in female mice

Uejo, Craig Mikio, 1995. Title: Predictive factors for the surgical treatment of Carpal Tunnel Syndrome

Lee, Mona Duh-Wei, 1995. Title: The effect of methyl tertiary-butyl ether (MTBE) on liver cytochrome P-450 levels in female mice

Third reader, other departments MS theses

Shimer, Mary E., 2007. Title: Diet and multiple sclerosis study

Gabriel, John Robert, 2007. Title: Spatial, melodic, and harmonic elements of timbre in five songs by Tom Waits

Wang, Jinyuan, 2006. Title; Chemical analysis of environmental nicotine exposure and nicotine metabolites by liquid chromatography tandem mass spectrometry

Carruthers, Janet L., 2000. Title: Dietary and red blood cell folate in women from urban-industrial areas of Baja California, Mexico

Tsai, Pei-Ju, Title: Chinese dietary therapy concepts and food safety knowledge among Chinese in America

Comstock, Kevyn Leigh, 1997. Title: Receptor-mediated apoptosis in cultured rat cardiomyocytes : an experimental model of septic shock

Wong, David T., 1997. Title: The localization of protein-protein interactions between bacteriophage [λ] integrase monomers

Wall, Anthony John, 1996. Title: The effect of hypohydration on core temperature during exercise in thermoneutral and hot environments

Teaching Awards:

2009 - Outstanding Faculty Award CHHS/GSPH

2007 - Environmental Mutagen Society (USA) Student Education Award

1996 - Outstanding Faculty Member of the Month, College of Health and Human Services

Teaching Workshops attended:

Association of Schools of Public Health, *"Improving Environmental Health Curricula and Practice at Schools of Public Health"*. Sponsored by Health Resource and Service Administration and co-sponsored by the Centers for Disease Control and the National Institute of Environmental Health Sciences, June 28 - 30, 2000, Washington D.C.

V. PROFESSIONAL GROWTH

Refereed Journal Articles

Matt GE, Hoh E, **Quintana PJE**, Zakarian JM Arceo, J. (2018) Cotton Pillows: A Novel Field Method for Assessment of Thirdhand Smoke Pollution *in press: Environmental Research* DOI: <https://doi.org/10.1016/j.envres.2018.09.025>

Matt GE, **Quintana PJE**, Hoh E, Zakarian, J, Chowdhury, Z, Jacob, P, Watanabe, K, Theweney, T, Flores, V, Nguyen, A, Dhaliwal, N, Hayward, G. Casino goes smoke free: a longitudinal study of secondhand and thirdhand smoke pollution and exposure. (2018) *Tob Control* in press doi:10.1136/tobaccocontrol-2017-054052

Quintana, PJE, Khalighi, M*, Castillo-Quinones, JE, Patel, Z; Guerrero-Garcia, J, Martinez-Vergara, P, Bryden, M, Mantz, A (2017). Traffic Pollutants Measured Inside Vehicles Waiting in Line at a Major US-Mexico Port of Entry. *Science of the Total Environment, in Press (*co-first author)*

Hughes SC, Bellettiere J, Nguyen B, Liles S, Klepeis NE, **Quintana PJE**, Berardi V, Obayashi S, Bradley S, Hofstetter CR, Hovell MF. Randomized Trial to Reduce Air Particle Levels in Homes of Smokers and Children. *American Journal of Preventive Medicine. In Press*

Matt GE, **Quintana PJE**, Zakarian JM, Hoh E, Hovell MF, Mahabee-Gittens M, Watanabe K, Datuin K, Vue C, Chatfield DA. (2016) When smokers quit: exposure to nicotine and carcinogens persists from thirdhand smoke pollution. *Tobacco Control*. 26(5):548-556. doi: 10.1136/tobaccocontrol-2016-053119. Epub 2016 Sep 21. PubMed PMID: 27655249.

Jacob P 3rd, Benowitz NL, Destailats H, Gundel L, Hang B, Martins-Green M, Matt GE, **Quintana PJ**, Samet JM, Schick SF, Talbot P, Aquilina NJ, Hovell MF, Mao JH, Whitehead TP. Thirdhand Smoke: New Evidence, Challenges, and Future Directions. (2017) *Chem Res Toxicol*. 30(1):270-294. doi:10.1021/acs.chemrestox.6b00343. Epub 2016 Dec 21. PubMed PMID: 28001376; PubMed Central PMCID: PMC5501723.

Dodd-Butera, T, **Quintana, PJE**, Ramirez-Zetina M, Batista AC, Sierra MM, Garcia, MP, Shaputnic C, (2017) Placental biomarkers of PAH exposure and glutathione-S-transferase biotransformation enzymes in an obstetric population from Tijuana, Baja California, Mexico *Environmental Research* 152:360-368. doi: 10.1016/j.envres.2016.04.019. Epub 2016 Aug 25. PMID: 27567517

Northrup TF, Jacob P 3rd, Benowitz NL, Hoh E, **Quintana PJ**, Hovell MF, Matt GE, Stotts AL. Thirdhand Smoke: State of the Science and a Call for Policy Expansion. (2016) *Public Health Rep*. Mar-Apr;131(2):233-8. PubMed PMID: 26957657; PubMed Central PMCID: PMC4765971.

Galaviz VE, **Quintana PJE**, Yost, MG, Sheppard, L, Paulsen MH, Camp, JE, Simpson CD. Urinary metabolites of 1-nitropyrene in U.S.-Mexico border residents who frequently cross at the San Ysidro Port of Entry, (2015); *Journal of Exposure Science & Environmental Epidemiology* Dec 16. doi: 10.1038/jes.2015.78. [Epub ahead of print]

Quintana, PJE, Ganster, P, Stigler, P, Munoz-Melendez, G, Rodriguez-Ventura, J, Quintero-Nunez, M. 2015. Risky Borders: Air Quality and Health Effects at U.S.-Mexican Ports of Entry [*In Press, Journal of Borderlands Studies*]

Arteaga, VE, Mitchell, DC, Matt, GM, **Quintana, PJE**, Schaeffer, J, Reynolds, SJ, Schenker, MB, Mitloehner, FM. 2015. Occupational exposure to endotoxin in PM2.5 and pre and post-shift lung function in California dairy workers *Journal of Environmental Protection* , 6, 552-565
doi:10.4236/jep.2015.65050

Quintana PJE., Dumbauld J.J., Garnica L., Chowdhury M.Z., Tran C., Velascosoltero J., Mota-Raigoza A., Flores D., Rodríguez E., Panagon N., Gamble J., Irby J., Elder J., Galaviz V.E., Hoffman L., Zavala M., Molina L.T., 2014. Traffic-related air pollution in the community of San Ysidro, CA, in relation to northbound vehicle wait times at the US-Mexico Border Port of Entry. *Atmospheric Environment*, 88, 353-361. doi:10.1016/j.atmosenv.2014.01.009

Hurtado, L, Rodriguez, JG; J Lopez, J; Molina, LT, Zavala, M.; **Quintana, PJE**. 2014. Characterization of atmospheric bioaerosols at 9 sites in Tijuana, Mexico, *Atmospheric Environment, Volume 96, October 2014, Pages 430-436* doi:10.1016/j.atmosenv.2014.07.018

Stigler, PE, **Quintana, PJE**, Gersberg, R, Zúñiga, ML, Novotny T. 2014. Comparing health outcomes and point-of-use water quality in two rural indigenous communities of Baja California, Mexico before and after receiving new potable water infrastructure. *In press, Journal of Water Sanitation and Hygiene for Development*

Galaviz, V, Yost, M, Simpson, CP, Paulsen, M, Elder, J, Hoffman, L, Flores, D, **Quintana, PJE**, 2013. Traffic pollutant exposures experienced by pedestrians waiting to enter the U.S. at a major U.S.-Mexico border crossing. *Atmospheric Environment*, 88, 362-369. doi: 10.1016/j.atmosenv.2013.12.042

Takahama, S, Russell LM, Shores, CA, Marr, LC, Zheng, J, Levy, M, Zhang, R, Castillo, E, Rodriguez-E Rodriguez Ventura, JG, **Quintana, PJE**, Subramanian, R, Zavala, M, Molina, LT 2013. Diesel vehicle and urban burning contributions to black carbon concentrations and size distributions in Tijuana, Mexico, during the Cal-Mex 2010 campaign, *Atmospheric Environment*, 88, 341 - 352.

Ramos, A, **Quintana, PJE**, Ji, M. (2014) Hair mercury and fish consumption in residents of Oahu, Hawaii. *Hawaii Journal of Public Health*, Jan;73(1):19-25. PMID: 24470983

Matt GE, **Quintana PJE**, Fortmann AL, Zakarian JM, Galaviz VE, Chatfield DA, Hoh E, Hovell MF, Winston C. (2013). Thirdhand smoke and exposure in California hotels: non-smoking rooms fail to protect non-smoking hotel guests from tobacco smoke exposure. *Tobacco Control*. May 13. [Epub ahead of print] PubMed PMID: 23669058.

Quintana PJE, Matt GE, Chatfield DA, Zakarian JM, Fortmann AL, Hoh E. (2013) Wipe sampling for nicotine as a marker of thirdhand tobacco smoke contamination on surfaces in homes, cars and hotels. *Nicotine & Tobacco Research*. 15(9) pp1555-63 E-Pub Mar 4, 2013. doi: 10.1093/ntr/ntt014 15.

Matt GE, Fortmann AL, **Quintana PJE**, Zakarian JM, Romero RA, Chatfield DA, Hoh E, Hovell MF. (2013) Towards smoke-free rental cars: an evaluation of voluntary smoking restrictions in California. *Tobacco Control*. 22(3):201-7doi:10.1136/tobaccocontrol-2011-050231

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Campbell C, Bert, J, **Quintana, PJE** and Teschke, K. Body burdens of Dioxins in sawmill workers estimated from dermal and inhalation exposures to chlorophenates. Annual Meeting of the American Industrial Hygiene Association, Washington, D.C., May 1996

Davies, HW, Kennedy, SM, Teschke, K, **Quintana, PJE**. (26th Annual Meeting of the Environmental Mutagen Society, St. Louis, Missouri, USA, March 12-16, 1995). Genetic damage in British Columbia farmworkers: Micronucleus frequency in peripheral blood lymphocytes. Environmental and Molecular Mutagenesis 1995. 25 (SUPPL. 25): 10.

Invited Presentations at Scientific Conferences:

- November 2013 **“Exposures to traffic pollutants at US-Mexico Ports of Entry (POEs), an environmental justice issue: case studies at the San Ysidro POE”** Sustainable Goods Movement Symposium, Palm Desert, CA
- March, 2013 **“Air quality at the US-Mexico Border: monitoring, reporting and correlating data”** Southwest Consortium for Environmental Research and Policy Annual Technical Conference, Tempe, AZ
- March, 2012 **“Real-time participatory sensing – public health needs and example of CitiSense”** Apps and Sensors in Air Pollution, US EPA, Durham, NC
- November, 2011 **“Pedestrian exposures to air pollution at the San Diego -Tijuana border crossing in relation to wait times”** Keynote Speaker, 3rd Workshop on Ubiquitous Computing Uniting the Californias (WUC), UCSD, San Diego CA
- February, 2011, **“In-vehicle and pedestrian exposures to air pollution at the San Diego -Tijuana border crossings in relation to wait times”** Greening Transportation at the Border Workshop, San Diego, CA
- October 2010 **“Environmental Justice at the US Mexico Border, two case studies”** University of Washington School of Public Health
- May, 2009 **“Air Pollution inside cars crossing the US-Mexico border”** Mickey Leland Air Toxics: Transcending Boundaries, 2009 Bernstein Symposium University of Michigan, Ann Arbor , May 6-7, 2009
- March, 2009 **“Environmental Health at the US-Mexico Border”** University at Colorado, Denver, School of Public Health
- November, 2007 **“The maternal-fetal environment: pollution and low birth weight”** Southern California Association of Neonatal Nurses, 13th Annual Conference, San Diego, CA
- October, 2007 Chair and Session Arranger, **“Symposium on In-Vehicle Exposures”** International Society of Exposure Analysis (ISEA) Conference, Durham, NC,
- October, 2005 **“Polyaromatic hydrocarbon (PAH) levels in house dust associated with maternal smoking behavior and biomarkers of environmental tobacco smoke exposure in infants”.** Frontiers in Aerosol Dosimetry Conference, Irvine, CA
- September, 2005 **“Genotype and Phenotype of Glutathione-S-Transferase Pi in Placenta of Mexican Women Living at the US-Mexico Border and Relation to Placental PAH-DNA Adduct Levels”** 9th International Conference on Environmental Mutagens, San Francisco, CA

- August 2003 **“Variation in levels of the detoxifying enzyme glutathione-S-transferase Pi in placentas from a population of Hispanic women”** Children’s Environmental Health, Research Triangle Park, NC
- June 2000; **“The Future of Biological Monitoring in Industrial Hygiene”**, American Industrial Hygiene Association Annual Meeting, Orlando, Florida
- May 2000; **“Interchromosomal Gene Conversion and Mitotic Recombination in Human Cells”**, Molecular Biology Seminar Series, San Diego State University, San Diego
- January 2000; **“Assessment of Personal Exposure to Fine Particulate Matter in Asthmatic Children Using a Real-Time Sampler”**, PM2000 conference: Particulate Matter and Health-The Scientific Basis of Regulatory Decision Making Conference, Charleston, South Carolina
- November, 1999 **“Environmental and Nutritional Risk Factors for Birth Defects along the US-Mexico Border”**, Southwest Center for Environmental Research and Policy, El Paso, Texas
- June 1999; Chair, Roundtable Presentation on **“Human Genome Project, Implications for Workers”**, American Industrial Hygiene Association Annual Meeting, Toronto, Canada
- May 1997; Chair; Roundtable Presentation on **“Biological Monitoring in Agriculture”**, American Industrial Hygiene Association Annual Meeting, Dallas, Texas
- May 1996; Chair; Roundtable Presentation on **“Ethical Considerations in the Use of Biological Monitoring”**, American Industrial Hygiene Association Annual Meeting, Washington, D.C.
- March 1996; **“Genetic Damage in Women: Variation over Time”**, Environmental Mutagen Society Annual Meeting, Victoria, British Columbia
- May 1995; **“Biomonitoring for Carcinogenesis”**, American Industrial Hygiene Association Annual Meeting, Kansas City, Missouri
- February 1994; **“Genetic Damage Caused by Worker Exposure to Benzene and Formaldehyde”**, Inhalation Toxicology Research Institute, Albuquerque, New Mexico
- May 1993; **“Markers of Carcinogenesis”**, BC Cancer Agency, British Columbia, Canada
- November 1992; **“Biomonitoring in Industrial Hygiene”**, University of British Columbia, Canada
- September 1992; **“Biomarkers of Cancer in Styrene-exposed Workers”** University of California at Berkeley, Berkeley, California
- August 1991; **“A Mathematical Model of Cancer”**, Mathematical Biology Society, Santa Fe, New Mexico
- April 1991; Invited Workshop leader: **“Recent Advances in the Development of Biomarkers for Use in the Workplace”**, for 1990-1991 American Industrial Hygiene Association Industrial Hygiene Forum Series, sponsored by the AIHA Northern California Section

August 1990; **“Biomarkers of Carcinogenesis”**, International Society for Environmental Epidemiology, Second Annual Meeting, Berkeley, California

Invited Commentary

PJE Quintana, quoted in ‘Studies Examine Whether Persistent Organic Agents May Be Responsible for Rise in Lymphoma Rates’ Nelson J Natl Cancer Inst.2005; 97: 1490-1491.

Non-refereed Proceedings

Quintana, PJE, Stigler, P., Munoz-Melendez, G., Rodriguez-Ventura, J., Quintero-Nunez, M. (2013) Health Impacts of Crossings at US-Mexico Land Ports of Entry: Gaps, Needs and Recommendations for Action, available at <http://www.casafamiliar.org/healthy-borders/>

Publications in Process

Under review:

Quintana, PJE, Hoh, E, Dodder, N, Matt, GE, Zakarian, JM, Anderson, KA, Akins, B, Chu, L, Hovell, MF. Nicotine levels in silicone wristband samplers worn by children exposed to secondhand smoke and electronic cigarette vapor are highly correlated with child’s urinary cotinine (*under review. Journal of Exposure Science and Environmental Epidemiology*)

In preparation:

Tran, C; Hoh, E; Quintana, P; Watanabe, K; Kim, J; Hovell, M. Comprehensive analysis of organic contaminants in human breast milk. [*under review, Environmental Science & Technology Letters*]

Quintana, PJE, Ballerino-Regan, D, Estrada Ruelas, I, Ramirez-Zetina, M, Arminovan, R, Ye, N, Chambers, CH, Risk Factors for Pre-term Delivery In Tijuana's Working Women: A Case-Control Study. [In preparation, American Journal of Industrial Medicine]

Quintana, PJE, Carey, CM, , Wall, S, Pon, D, Patel, K, Harnly, M Chowdury, Z. Real-time particulate aerosol concentrations during and after agricultural burn events in Imperial County, California. [In preparation Atmospheric Environment]

Quintana, PJE, Rodriguez, E, Rodriguez Ventura,, JG Castillo Quiñones, JE, Camarena, JP, Gutierrez, Y. Near-road traffic pollutant levels in relation to traffic characteristics in Tijuana, Baja California [In preparation, Science of the Total Environment]

Barzee, S, Weeks, N, **Quintana, PJE**, Ganster, P, Chowdhury, Z. Greenhouse Gas Emissions Due to Vehicle Delays at San Diego County-Baja California Border Crossings. [In preparation Atmospheric Environment]

Galaviz VE, **Quintana PJE**, Simpson CD, Yost MG. Determinants of Personal Exposure to Diesel Exhaust in a U.S.-Mexico Border Community [In Preparation; Journal of Exposure Science & Environmental Epidemiology]

Galaviz, VE, Matt, GM, **Quintana, PJE**, Zakarian, J, Exposure of non-smoking hotel housekeepers to thirdhand tobacco smoke in hotels [In preparation, Nicotine and Tobacco Research]

Hoh; E, Melkani; A, **Quintana; PJE**, Watanabe; K, Tran; C, Chambers, C, Matt; GM, Zakarian; J, Hovell; MF. Organic compounds in house dust identified through non-targeted analysis. [In preparation Environmental Health Perspectives]

Stigler, PE, **Quintana, PJE**, Gersberg, R, Perez, R. Cultural connections and barriers to sustainable water supply and infrastructure in two rural indigenous communities of Baja California Mexico. [In preparation Journal of Water and Health]

Stigler, PE, **Quintana, PJE**, Gersberg, R. Low cost environmental health indicators and vulnerability assessment for community based planning for water quality improvements in rural areas. [In preparation Waterlines]

Funded Research Grants

04/01/18–03/31/20 “Remediation of Tobacco Toxicants Polluting Low-Income Multiunit Housing” 27IP-0028 TRDRP Quintana (PI)

04/01/18–03/31/21 “Exposure to Tobacco, E-Cigarette, and Marijuana in Multiunit Housing 27IR-0019 TRDRP Matt (PI): Role: Co-Investigator

02/01/18–11/30/22 “Contribution of Thirdhand Smoke to Overall Tobacco Smoke Exposure in a Pediatric Population” 1R01ES027815-01A1 NIH/NIEHS Mahabee-Gittens, Matt (Co-PIs)

07/01/17–06/30/1926IP- Effects of Thirdhand Smoke Exposure on the Microbiome of Young Children 0047 TRDRP Matt (PI) Role: Co-Principal Investigator

07/01/16–06/30/19 Silicone Wristbands: Personal Samplers for Tobacco Toxicants 25IP-0023 TRDRP Quintana (PI) 2016–2017 “Spatial Distribution of PM and BC Pollution in the Border Community of San Ysidro, CA.” California Office of Environmental Health Hazard Assessment \$32,949 ROLE: Principal Investigator

06/01/17–05/31/19 “Improving the CalEnviroScreen Score at the U.S.-Mexico border” State of CA Air Resources Board Quintana, Principal Investigator

2016–2017 “Community Air Sensing to Promote Community Health at the US-Mexico Border” California Office of Environmental Health Hazard Assessment \$22,719 (subcontract to UW) **ROLE: Principal Investigator of subcontract** (PI of award to UW E. Seto)

2015-2018 “Thirdhand Smoke Pollution and Remediation in Low-Income Housing”. \$699,866 US Department of Housing and Urban Development **ROLE: Co-Principal Investigator** (PI Georg Matt)

2015-2017 “Persistent Thirdhand Smoke Toxicants in Indoor Environments” California Tobacco Related Disease Research Program 23PT-0013 Subcontract to Impacts of Thirdhand Smoke on Public Health integrated Research Project, PI N. Benowitz. **ROLE: Principal Investigator of subcontract**

2013–2016 “Toward Smoke-Free Casinos: The Win-River Experience” California Tobacco Related Disease Research Program 21RT-0142. \$262,627 **ROLE: Co-Principal Investigator** (PI Georg Matt)

2013 “Novel PAH fingerprint analysis of border air samples from San Ysidro, CA” \$9,908 SDSU University Grants Program **ROLE: Principal Investigator**

2012–2017 “Advancing the Biology and Chemistry of Marine Contaminants of Emerging Concern” NIH, NIEHS, NSF to Scripps Center for Oceans and Human Health SDSU Sub-award of 1P01ES021921-01 (Hoh). \$844,564. **ROLE: Co-Investigator** (PI of Sub-award, E. Hoh)

2012–2015 “Certifying Smoke-Free Used Cars: Effects on Value and Consumer Behavior” California Tobacco Related Disease Research Program 21RT-0142. \$687,545. **ROLE: Co-Principal Investigator** (PI Georg Matt)

2011-2016 “Community Trial to Speed the Diffusion of Smoke Free Multiunit Housing Policies” National Cancer Institute, R01CA151953, subcontract to SDSU, (PI, A. Hyland). \$109,198. **ROLE: Co-Principal Investigator** of subcontract (with Georg Matt)

2011-2013 “Health Impacts of US-Mexico Border Crossings” Southwest Consortium for Environmental Research and Policy, US EPA 26-3008-22-63. \$60,937. **ROLE: Principal Investigator**

2010-2013 Thirdhand Smoke Pollution and Exposure in Ex-Smokers’ Homes” California Tobacco Related Disease Research Program 19CA-0164. \$770,378. **ROLE: Co-Principal Investigator** (PI Georg Matt)

2009-2010 “Health and Environmental Impact of Border Delays in San Ysidro, CA” The San Diego Foundation - C-2009-00097. \$48,508. **ROLE: Principal Investigator**

2008-2009 “Exposure to Traffic-related Air Pollution and Adverse Birth Outcomes in the California-Baja California Border Region: Pilot study of near-traffic exposures in Tijuana residential neighborhoods” Southwest Center for Environmental Research and Policy, US EPA. EM-83395501-0. \$30,700. **ROLE: Principal Investigator**

- 2006-2009** "Smoking Policies and Secondhand Smoke in Rental Cars " California Tobacco Related Disease Research Program. 17RT-0162H. \$477,286. **ROLE: Co-Principal Investigator** (PI Georg Matt)
- 2006–2007** "Trans-border commuters' exposure to harmful air pollution" Southwest Center for Environmental Research and Policy, US EPA. EPA XA-83239201-0. \$57,708 **ROLE: Principal Investigator**
- 2006-2009** " Smoking Policies and Secondhand Smoke in Rental Cars " California Tobacco Related Disease Research Program 15RT-0160. \$609,853. **ROLE: Co-Principal Investigator** (PI Georg Matt)
- 2005–2006** " Influence of diet on gene expression and cancer prevention in utero: Effect of fruit and vegetable intake on the regulation of maternal and fetal protective enzymes during pregnancy in Hispanic women" SDSU-UCSD Cancer Center, pilot study under grant to E. Klonoff, National Cancer Institute. \$10,000 **ROLE: Principal Investigator**
- 2004-2005** "Environmental Exposures and Birth Defects at the US Mexico Border" California Environmental Health Tracking Network (through Centers for Disease Control) U50-CCU-922449-03-2. \$10,000. **ROLE: Principal Investigator**
- 2004-2008** "Exposing Children to Secondhand Smoke in Contaminated Homes" California Tobacco Related Disease Research Program 13RT-0161H. \$720,771. **ROLE: Co-Principal Investigator** (PI Georg Matt)
- 2004-2007** "Secondhand Smoke Contamination and Resale Value of Cars" California Tobacco Related Disease Research Program 13IT-0042. \$150,915. **ROLE: Co-Principal Investigator** (PI Georg Matt)
- 2002–2004** "Role of the placenta in reducing environmental exposures to the fetus: Effects of nutrition in Hispanic mothers" Blasker Environmental Program, San Diego Foundation C-2002-00348. \$41,689. **ROLE: Principal Investigator**
- 2001–2002** "Implementation of ISO 14001-conformance Environmental Management Systems and Occupational Injury Rates along the U.S.-Mexico Border" Southwest Center for Environmental Research and Policy, US EPA. Q00643. \$28,822 **ROLE: Principal Investigator**
- 1999-2001** "Asthma and Peaks in Particulate Air Pollution". National Institute of Environmental Health Sciences, NIH, subcontract to UC Irvine. F99-ES06214-SDSUF. \$271,139. **ROLE: Key Investigator: (PI at SDSU)**
- 1999-2001** "Environmental and Nutritional Risk Factors for Neural Tube Defects on the US-Mexico Border". Southwest Center for Environmental Research and Policy, US EPA. 98/99-194-B. \$49,489. **ROLE: Principal Investigator**
- 1998-2000** "Environmental Determinants of Exposure to Environmental Tobacco Smoke in Infants". Tobacco-related Disease Research Program 7IT-0087. \$113,992. Principal Investigator Dr. Georg Matt, Department of Psychology, SDSU, **ROLE: Co-Principal Investigator** (PI Georg Matt)

1996-1997 "A Study of British Columbia Farmworkers Exposed to Pesticide Residues". Workers Compensation Board of British Columbia, **ROLE: Principal Investigator**

1993-1995 "Genetic Predisposition to Occupational Asthma in Workers of East Indian Origin". British Columbia Lung Association, **ROLE: Principal Investigator**

Participation in Professional Associations

National Committees – Positions served

Chair, 1999, Past-Chair 2000, Vice-Chair 1997-1998, Member, 1994 – 2001, Biological Monitoring Committee of the American Industrial Hygiene Association

(Local Chapter of national Association)

President, (2009 – present) Delta Omega Honor Society in Public Health, Sigma Chapter.

Memberships in Professional Associations

American Association for the Advancement of Science (current)

American Public Health Association (current)

International Society for Exposure Science (current)

Past member:

US-Mexico Border Health Association

Air and Waste Management Association

American Conference of Governmental Industrial Hygienists

American Industrial Hygiene Association

Environmental Mutagen Society

Local Professional Associations

Life Member, Scholars without Borders, SDSU

Member, Clinical and Translational Research Institute, University of California San Diego (CTRI)

VI. SERVICE FOR THE UNIVERSITY AND THE COMMUNITY

Service for the University

Committee Assignments

Current:

Chair, Environment and Safety Committee, University Senate, 2004 to 2015

Member, Curriculum Committee, CHHS, 2001, 2004, 2005, 2013 – present

Chair, 2004, 2013 - present Curriculum Committee GSPH, Member, 2001, 2002, 2004 – present,

Member, International and Laboratory Resources Committees GSPH/ CHHS, 2001, 2004 – present

Member, Core Committee, GSPH/CHHS, 2012, 2013

Past:

Member, Research Committee CHHS, 2004, 2005, 2007/8

Member, Committee for the Protection of Human Subjects , 1995, 1996, 1999, 2001

Member, Library Committee (for CHHS), 2000, 2001

Other University Service

Graduate Advisor, GSPH, 2013 – present

Member, Faculty Advisory Council, Latin American Studies, 2012 – present

Liaison for San Diego State University, National Board of Public Health Examiners, 2010 – present

Coordinator, REHS Professional Certification, GSPH, 2008 – present

Member, Steering Committee, JDP Public Health, Global Health 2008 - present

Faculty interviewer/ mentor for PreProfessional Health Advising Office, SDSU, 2004 - present

Member, President’s Task Force on Smoking, 2011

Chair, Search Committee, Global Health, 2007/8

Faculty Mentor, SDSU Graduate School of Public Health high school summer internship program – 1998

Service for the Community

Participant, Roundtable ‘Air Quality in the San Diego Border Region’ SDSU February 25, 2016

Member, **Trinational Commission for Environmental Cooperation Ports of Entry’s Trilateral Consultative Group and Steering Committee**, 2014 -2015

Member, **Scientific Guidance Panel for State of California** Environmental Contaminant Biomonitoring Program, appointed by Governor Brown. 2013–present

Member, **Environmental Health Advisory Board**, County of San Diego, 2014 – present

Member, **Border Health Equity Stakeholder Group** in support of the **Border Health Equity Transportation Study**, SANDAG/ San Ysidro, 2013 – 2015

PhD Dissertation committee member for Javier Emmanuel Castillo Quiñones and Lilia Hurtado, and MS thesis committee member, Yaneth Guterrez, Carolina Lopez and Jesus Guerrero. **Universidad Autónoma de Baja California (UABC) Tijuana, Dept of Chemistry and Chemical Engineering** (2011 - present)

Member, **Border Health Consortium of the Californias**, 2013 - present

Member, **Border 2012, 2020 California/Baja California Environmental Health Taskforce and Air Quality Taskforce**, U.S. Environmental Protection Agency (US EPA), California Office of Binational Border Health (COBBH) and El Instituto de Salud del Estado de Baja California (ISESALUD) 2009 – 2015

Faculty Coordinator for San Diego, **National Occupational Health Internship Program (OHIP)** 2008-2013(with Employee Rights Center, City Heights)

Member, **Focus 2050 Update - Vulnerable Populations Working Group**, San Diego Foundation, 2013 – 2014

Member, **Community Action to Fight Asthma (CAFA)** San Diego County, 2001 – present

Advisor, **Maquiladora Health and Safety Support Network** 1998 - present

Invited **External Reviewer for US EPA Study** : proposed "Detroit Exposure and Aerosol Research Study (DEARS)" USEPA, 2003

Item Writer, **Certified in Public Health (CPH) National Board of Public Health Examiners**. 2011

Contributor, **San Diego 2050 Report**, Public Health Section released Nov 2008 (a San Diego Foundation commissioned report of the effects of global warming for the San Diego Region)

External reviewer, **ASPH/EPA Environmental Health Fellowship Program** 2003, 2004 – 2009

External reviewer, **ASPH/CDC Public Health Internship Program**, 2004, 2005, 2006, 2007

Faculty Mentor, **UCSD Health Careers mentoring program**

Panel Member, **Panel on careers and graduate study in Public Health**, University of California at San Diego, January 2005

Judge, **San Diego County Science Fair** 2005, 2006

Faculty Coordinator, **Public Health Week 2000** for San Diego County

Peer reviewer for scientific journals including:

Bulletin of Marine Sciences

BMC Public Health

Cancer Epidemiology, Biomarkers and Prevention

Environment International.

Environmental Health Perspectives

Environmental and Molecular Mutagenesis

JAMA Pediatrics

Journal of Exposure Science and Environmental Epidemiology

Mutation Research

Nicotine & Tobacco Research

Science of the Total Environment

Tobacco Control

Presentations

(for local Environmental Health professionals to obtain CE credits)

October, 2012 **“Air Quality and Environmental Justice at the US/Mexico Border”** California Environmental Health Association (CEHA) Annual Update

March, 2008 **“DNA-based Methods in Food Safety, PFGE, PulseNet and More!”** California Environmental Health Association (CEHA) 57th Annual Educational Symposium, San Diego, CA

(recent community presentations, selected)

November, 2015 Breakout Session Chair, **6th Annual Imperial Valley Environmental Health Leadership Summit**, Brawley Union High School, Brawley, CA

November, 2013: **Speaker, 5th Annual Imperial Valley Environmental Health Leadership Summit**, Imperial College, El Centro, CA

October, 2012; **Invited Panel Member California Latinos and the Environment:** a community forum. The New Children’s Museum, San Diego, CA.

September, 2011: Presentation to **SANDAG Borders Committee**

June, 2011: Panelist at SANDAG’s binational seminar titled: **Enhancing Transit and Non-motorized Mobility on the Border**

April, 2011: presentation, with thesis students, **San Diego-Tijuana Border 2012 Air Quality Task Force**

April 2009: presentation, **San Diego-Tijuana Border 2012 Air Quality Task Force**

October, 2007: presentation, **Committee on Binational Regional Opportunities (COBRO)**