

Air Pollution Control District Governing Board
San Diego County Air Pollution Control District
AGENDA ITEM # 01

DATE: April 2, 2021

TO: Air Pollution Control District Governing Board

SUBJECT:

APPOINTMENT OF PUBLIC MEMBERS TO THE AIR POLLUTION CONTROL DISTRICT GOVERNING BOARD

REQUESTED ACTION:

1. Appoint Public Members pursuant to Attachment A to the Interim Bylaws, entitled: "Procedures for Appointment of Governing Board Public Members."
2. Approve the job class description and stipend for the Air Pollution Control District Governing Board Public Members.

OVERVIEW:

In accordance with AB 423 (2019, Gloria, codified at California Health and Safety Code Section 40100.6(a)(4)), the Air Pollution Control District Governing Board (Board) is required to appoint three Public Members to the Board – one physician or public health professional, one individual representing environmental justice interests, and one individual with a scientific or technical background in air pollution. These Public Members are to be appointed based upon their demonstrated interest and proven ability in the field of air pollution control and their understanding of the needs of the general public in connection with the air pollution problems of the San Diego Air Basin. On March 19, 2021, the Board adopted Attachment A of the Interim Bylaws, the procedures for the Board's appointment of its Public Members, consistent with the requirements of AB 423. The Public Member application form was publicly noticed by the District via its public website at www.sdapcd.org, email listserv with approximately 4,500 recipients, social media platforms, and other communications with a wide range of stakeholders. As of the approved deadline of March 23, 2021, 17 applications had been received by the Clerk of the Board.

In accordance with the procedures, each applicant has been requested to attend the Board meeting and be prepared to make an introductory statement and answer questions from the Board. Applicants will be interviewed by the Board individually in the following order: (1) applicants for the physician or public health professional member; (2) applicants for the environmental justice member; and then (3) applicants for the scientific or technical member. The Board will then consider the appointment of each of the three Public Members in the specified order.

Additionally, this is a request to approve as a job class of the Air Pollution Control District, "Governing Board Public Member." This will allow the County of San Diego to facilitate payment of statutory compensation and incurred expenses to Public Members of the Board according to California Health and Safety Code section 40100.6(e) and the Agreement for Provision of Services and Payment of Costs between the County and District.

FISCAL IMPACT:

Health and Safety Code section 40100.6(e) establishes compensation for appointed Public Members of the Board in the amount of one hundred dollars (\$100) for each day, or a portion thereof, but not to exceed one thousand dollars (\$1,000) per month, while attending meetings of the Board, or any committee of the Board or, upon authorization of the Board, while on official business of the District, and the actual and necessary expenses incurred in performing the member's official duties. Compensation and reimbursement of expenses are paid from District funds.

ENVIRONMENTAL STATEMENT:

The requested action is not a project subject to the California Environmental Quality Act ("CEQA"). CEQA Guidelines Section 15378(b)(5) provides that the definition of project does not include, "Organizational or administrative activities of governments that will not result in direct or indirect physical changes in the environment."

PREVIOUS RELEVANT BOARD ACTIONS:

March 19, 2021, Agenda Item 3: Adoption of Procedures for the Appointment of the Public Members to the Air Pollution Control District Governing Board.

ADVISORY GROUP ACTIONS:

N/A

ATTACHMENT(S):

1. Interim Bylaws Attachment A: San Diego County Air Pollution Control District Procedures for Appointment of Governing Board Public Members to the Interim Bylaws
2. Public Member Applications

SUBMITTED BY:

Robert Reider, Interim Air Pollution Control Officer

CONTACT PERSON(S):

Name
Israel Garza Air Pollution Control District Deputy Director
Phone
(858) 586-2607
Email
Israel.Garza@sdcounty.ca.gov



**APPLICATION FOR SERVING AS A PUBLIC MEMBER ON THE SAN
DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT GOVERNING
BOARD**

INSTRUCTIONS: Please complete this form in its entirety. Note the additional requirements listed on the third page.

Submit the completed application and your resume to the Clerk of the Air Pollution Control District Governing Board at APCDPublicComment@sdcounty.ca.gov or, you may send your application to 10124 Old Grove Road, San Diego, CA 92131. **Applications are due no later than March 23, 2021.**

Birkbeck-Garcia

Last Name

Anne Marie

First Name

The APCD Governing Board meets at times mutually satisfactory to the members. Day meetings are more common than evening meetings. Will you be able to schedule your time accordingly?

☒ Yes

☐ No

Have you ever been affiliated with an entity that is regulated by the Air Pollution Control District?

☐ Yes

☒ No

If yes, please list them here:

What required area of expertise are you seeking to represent on the APCD Governing Board?

☒ Physician/Public Health Professional

☐ Environmental Justice Interests

☐ Science/Technology Background in Air Pollution

****Candidates are required to submit evidence of their qualifications by including a resume with this application and may be asked to provide additional information, as needed.***

Please summarize your experience that demonstrates your interest and proven ability in the field of air pollution control and your understanding of the needs of the general public in connection with the air pollution problems of San Diego County.

I am a native of South East San Diego, an area drastically impacted by air pollution. Starting in 2007, I worked for eight years as a pediatrician in Otay Mesa, where the effect of air pollution was exhibited through increased rates of respiratory issues, including asthma, in my pediatric patients. In 2015, I became a Pediatric Hospitalist, where I take care of children so sick, they need to be hospitalized. In my line of work, I see a disproportionate number of patients with respiratory diseases from San Diego areas most impacted by poor air quality. I am passionate about our most vulnerable San Diego communities, environmental justice, and the impact of climate change on our county ' s health. I am currently a member of San Diego Pediatricians for Clean Air, the American Academy of Pediatrics Climate Change and Health Committee, and the Medical Society for Consortium on Climate Health. As both a pediatrician and mother, I feel it is my responsibility to be a voice for our community.

STATEMENT OF OCCUPATIONAL EXPERIENCE

Souther California Permanente Group

Current Employer

Medical Doctor

Job Title

2007-present

Dates of Employment

Previous Employers

Loma Linda

Position Title

Resident/Fellow Physician

Dates of Employment

2003-2007

List past county appointments with dates served, and other past or present community or public service appointments.

Committee/Organization Name

Dates Served

N/A

Membership qualifications for the APCD Governing Board are as follows:

Qualifications. All public members shall reside within the boundaries of San Diego County and shall be appointed on the basis of their demonstrated interest and proven ability in the field of air pollution control and their understanding of the needs of the general public in connection with the air pollution problems of the San Diego County. Specific qualifications for each of the three (3) public Board members, as established by Health & Safety Code section 40100.6(a)(4)(A)–(C), are as follows:

1. One public member shall be a **physician or public health professional** actively practicing within the boundaries of the San Diego County. The member's specialty shall be in the health effects of air pollution on vulnerable populations.
2. One public member shall be a **person representing environmental justice interests** and who works directly with communities within the boundaries of the San Diego County that are most significantly burdened by, and vulnerable to, high levels of pollution, including communities with diverse racial and ethnic populations and communities with low-income populations. This member may be a resident of that community and have a demonstrated record of community leadership.
3. One public member shall be a **person with a scientific or technical background in air pollution**, such as an environmental engineer, chemist, meteorologist, or air pollution specialist.

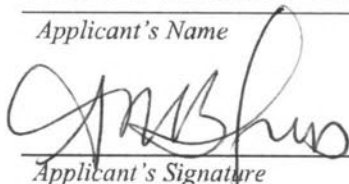
NOTE: Public members will be appointed by the San Diego County Air Pollution Control District Governing Board. Each public member will serve a four-year term and is entitled to receive compensation for participation on the Governing Board. Please review Assembly Bill 423 (AB 423) SEC. 6. Section 40100.6 for details.

Please note that this application is a public record subject to disclosure. This application will be maintained for a period of one year.

By signing below, I declare that the information provided above is accurate and complete to the best of my knowledge.

Anne Marie Birkbeck-Garcia, MD

Applicant's Name



Applicant's Signature

March 21, 2021

Date

CONTACT INFORMATION

Birkbeck-Garcia <i>Last Name</i>	Anne Marie <i>First Name</i>
--	--

Note: Personal information may be withheld from public view as allowed by law.

[REDACTED] <i>Home Street Address</i>	San Diego <i>City</i>	CA <i>State</i>	92107 <i>Zip</i>
<i>Mailing Address (if different than home address)</i>	<i>City</i>	<i>State</i>	<i>Zip</i>
<i>Business Street Address</i>	<i>City</i>	<i>State</i>	<i>Zip</i>
<i>Home Phone #</i>	<i>Business Phone #</i>		
<i>Mobile Phone #</i>			
[REDACTED] <i>E-Mail Address</i>	[REDACTED]		

Anne Marie Birkbeck-Garcia, MD

██████████ – San Diego, California 92107

EDUCATION & HONORS

LOMA LINDA UNIVERSITY MEDICAL CENTER

Department of Pediatrics

~ *Awarded:* The Jeanne Andrews Ambulatory Pediatric Award 2004-2005 & 2005-2006

UNIVERSITY OF KANSAS SCHOOL OF MEDICINE

Doctor of Medicine, 2003

~ *Recipient:* Executive Dean Scholarship, 2001 & 2002.

~ *Awarded:* Dr. Hector Garcia Leadership and Development Workshop Participant, 2002

UNIVERSITY OF CALIFORNIA, SAN DIEGO

Bachelor of Science in Molecular Biology

~ *Awarded:* Provost Honor's University of California San Diego, Revelle College, 1997.

SOUTHERN CALIFORNIA PERMANENTE MEDICAL GROUP

~ *Awarded:* Pediatrician of the Year for San Diego - 2020

SAN DIEGO MAGAZINE

~ *Awarded:* San Diego County Top Doctor - 2013

PROFESSIONAL & RESEARCH EXPERIENCE

Southern California Permanente Medical Group, San Diego, CA

2007 - Present

- *Partner Physician Pediatrics and Pediatric Hospitalist*
- *Kaiser San Diego Crisis Triage Team Tri-Lead*
- *Asthma Hospitalist Committee*
- *Physician Chair: Kaiser San Diego Bio-Ethics Committee*
- *Physician Co-Chair: Emergency CardioPulmonary Committee*
- *Instructor: Pediatric Advanced Life Support and Neonatal Resuscitation Program*

Southern California Permanente Medical Group, Riverside, CA

2006 - 2007

Per Diem Hospitalist, Department of Pediatrics

Loma Linda University Medical Center, Loma Linda, California

2006 -2007

Fellow, Department of Pediatric Emergency Medicine

Loma Linda University Medical Center, Loma Linda, California
Resident Physician, Department of Pediatrics

2003 - 2006

LICENSURES

The Medical Board of California, 2005 - Present

- License Number: Available upon request

Controlled Substance Registration Certificate, United States Department of Justice, 2005 - Present

- DEA License Number: Available upon request

American Board of Pediatrics

- Board Certified Pediatrician, 2007 - Present

PROFESSIONAL MEMBERSHIPS

- American Academy of Pediatrics
- American Academy of Pediatrics Climate Change and Health Committee
- Council of Environmental Health
- San Diego Pediatricians for Clean Air
- Medical Society Consortium on Climate and Health
- San Diego County Medical Society

PUBLICATIONS

N. Inoue MD, T. Kim MD, A. Birkbeck-Garcia MD, et al, "Incidence of Serious Bacterial Infections in Ex-premature Infants with Postconceptional Age Less Than 48 weeks Presenting to a Pediatric Emergency Department." *West J Emerg Med.* 2009 February; 10(1): 37–40.

Domestic Refereed Conferences

A.M. Birkbeck-Garcia, S.P. Daley, “The Effect of Didactic Sessions and Supervision on Immunization and Reporting of Children Participating in the Parents as Teachers Program” (Poster), *National Hispanic Medical Association National Conference*, 2001.

K. Vance, V. Nguyen MD, H. Lim, A. Birkbeck-Garcia MD, S. Valladolid MD “Asthma Spacer Teaching Decreases 12-Month Total Albuterol Use and Albuterol Dispensing Events in an Outpatient Pediatric Population.” (Poster), *Pediatric Academic Societies Annual Meeting*, 2015

LANGUAGES

Spanish Fluency (written and oral)



**APPLICATION FOR SERVING AS A PUBLIC MEMBER ON THE SAN
DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT GOVERNING
BOARD**

INSTRUCTIONS: Please complete this form in its entirety. Note the additional requirements listed on the third page.

Submit the completed application and your resume to the Clerk of the Air Pollution Control District Governing Board at APCDPublicComment@sdcounty.ca.gov or, you may send your application to 10124 Old Grove Road, San Diego, CA 92131. **Applications are due no later than March 23, 2021.**

Chowdhury

Last Name

Zohir

First Name

The APCD Governing Board meets at times mutually satisfactory to the members. Day meetings are more common than evening meetings. Will you be able to schedule your time accordingly?

☒ Yes

☐ No

Have you ever been affiliated with an entity that is regulated by the Air Pollution Control District?

☒ Yes

☐ No

If yes, please list them here:

San Diego State University

What required area of expertise are you seeking to represent on the APCD Governing Board?

☒ Physician/Public Health Professional

☐ Environmental Justice Interests

☒ Science/Technology Background in Air Pollution

***Candidates are required to submit evidence of their qualifications by including a resume with this application and may be asked to provide additional information, as needed.**

Please summarize your experience that demonstrates your interest and proven ability in the field of air pollution control and your understanding of the needs of the general public in connection with the air pollution problems of San Diego County.

As a professor, who teaches courses in air pollution and climate change at San Diego State University (SDSU) School of Public Health, I have developed in depth understanding of air pollution sources, control technologies, regulations, atmospheric chemistry and transport, as well as, health effects from exposure to such pollutants. With the help of my graduate students, I conduct research to understand air pollution problems within the county of San Diego and the border region, but also in other counties within the state of California. My expertise is in conducting measurements of air pollutants or by utilizing data collected by state (CARB) or local (APCD) air pollution agencies. I have also developed community level connections in vulnerable and low income communities within the county.

I'm deeply connected to the San Diego community, serving as a member of the Advisory Board in the San Diego County's Division of Environmental Health, and as a board member in a community Bangla language school. Besides, to encourage science education within our county, I volunteer every year as an event supervisor at the San Diego Regional Science Olympiad competition where over 2,000 students from over 40 Middle and High Schools participate.

STATEMENT OF OCCUPATIONAL EXPERIENCE

San Diego State University

Current Employer

Associate Professor

Job Title

08/20/2007--Present

Dates of Employment

Previous Employers

Position Title

Dates of Employment

University of California at Berkeley

Post Doctoral Researcher

06/2004-08/2007

Georgia Institute of Technology

Research Assistant

08/2000-05/2004

California Institute of Technology

Research Assistant

09/1997-08/2000

Montana Technological University

Teaching Assistant

08/1995-05/1997

List past county appointments with dates served, and other past or present community or public service appointments.

Committee/Organization Name

Dates Served

Environmental Health Advisory Board

02/2020 to Present

San Diego County Science Olympiad

09/2018 to Present

Onkur Bangla Language Academy

05/2017 to Present

Membership qualifications for the APCD Governing Board are as follows:

Qualifications. All public members shall reside within the boundaries of San Diego County and shall be appointed on the basis of their demonstrated interest and proven ability in the field of air pollution control and their understanding of the needs of the general public in connection with the air pollution problems of the San Diego County. Specific qualifications for each of the three (3) public Board members, as established by Health & Safety Code section 40100.6(a)(4)(A)–(C), are as follows:

1. One public member shall be a **physician or public health professional** actively practicing within the boundaries of the San Diego County. The member's specialty shall be in the health effects of air pollution on vulnerable populations.
2. One public member shall be a **person representing environmental justice interests** and who works directly with communities within the boundaries of the San Diego County that are most significantly burdened by, and vulnerable to, high levels of pollution, including communities with diverse racial and ethnic populations and communities with low-income populations. This member may be a resident of that community and have a demonstrated record of community leadership.
3. One public member shall be a **person with a scientific or technical background in air pollution**, such as an environmental engineer, chemist, meteorologist, or air pollution specialist.

NOTE: Public members will be appointed by the San Diego County Air Pollution Control District Governing Board. Each public member will serve a four-year term and is entitled to receive compensation for participation on the Governing Board. Please review [Assembly Bill 423 \(AB 423\) SEC. 6. Section 40100.6](#) for details.

Please note that this application is a public record subject to disclosure. This application will be maintained for a period of one year.

By signing below, I declare that the information provided above is accurate and complete to the best of my knowledge.

Zohir Chowdhury

Applicant's Name

Zohir Chowdhury

Applicant's Signature

03/23/2021

Date

CONTACT INFORMATION

Chowdhury

Last Name

Zohir

First Name

Note: Personal information may be withheld from public view as allowed by law.

<div>Home Street Address</div> <div></div>	<div>San Diego</div> <div>City</div>	<div>CA 92129</div> <div>State Zip</div>
<div>Mailing Address (if different than home address)</div> <div></div>	<div>San Diego</div> <div>City</div>	<div>CA 92129</div> <div>State Zip</div>
<div>Business Street Address</div> <div></div>	<div>San Diego</div> <div>City</div>	<div>CA 92129</div> <div>State Zip</div>
<div>Home Phone #</div> <div></div>	<div>Business Phone #</div> <div></div>	
<div>Mobile Phone #</div> <div></div>		
<div>E-Mail Address</div> <div></div>		

Zohir Chowdhury

I. EDUCATION

Summary:

- Graduate education completed from top 10 research universities in the United States in the fields of environmental engineering and environmental science with an emphasis in outdoor and indoor air pollution monitoring, mitigation, and health effects
- Graduate research work led to multiple years of international travel in multiple Asian countries for assessing exposure to air pollution

Ph.D.	2000-2004	<u>Georgia Institute of Technology</u> , Atlanta, GA, USA Major: Atmospheric Chemistry Minor: Environmental Engineering
M.S.	1997-2000	<u>California Institute of Technology</u> , Pasadena, CA, USA Major: Environmental Engineering Science (emphasis in Air Pollution) Minor: Geology and Planetary Science
B.S.	1994-1997	<u>Montana Tech of the Univ. of Montana</u> , Butte, MT, USA Major: Environmental Engineering

II. WORK EXPERIENCE

Summary:

- Sixteen years of research & teaching experience in air pollution as a Professor or Post-Doctoral Researcher in multiple American universities. Prior to this, eight years of research experience in air pollution as a Research Assistant
- Worked as a consultant in air pollution mitigation for multiple national & international institutions
- Research expertise: outdoor and indoor air pollution exposure assessment, air pollution sampling and monitoring, city and community level climate action plan (CAP) assessment

Associate Professor	Division of Environmental Health School of Public Health, San Diego State University San Diego, CA, USA	Aug 2012 to Present
Core Adjunct Professor	School of Health and Human Services National University, La Jolla, CA 92037	Nov 2010 to Present
Independent Contractor	Center for Investigative Reporting Berkeley, CA 94704	Mar 2012 to Jan 2013

Assistant Professor	Division of Environmental Health Graduate School of Public Health San Diego State University, San Diego, CA, USA	Aug 2007 to Jul 2012
Assistant Professor	Joint Doctoral Program in Global Health Graduate School of Public Health San Diego State University, San Diego, CA, USA	June 2008 to Present
Adjunct Professor	Division of Environmental Health Graduate School of Public Health San Diego State University, San Diego, CA, USA	Apr 2007 to Aug 2008
Consultant	Health Effects Institute Boston, MA, USA	Sep 2007 to May 2009
Lecturer	Environmental Health Sciences School of Public Health University of California at Berkeley, Berkeley, CA, USA	Jan 2007 to May 2007
Post-Doctoral Researcher	Environmental Health Sciences School of Public Health University of California at Berkeley, Berkeley, CA, USA	June 2004 to Aug 2007
Graduate Research Assistant	School of Earth & Atmospheric Sciences Georgia Institute of Technology, Atlanta, GA, USA	Aug 2000 to Jun 2004
Consultant	The World Bank/Dept. of Environment Dhaka, Bangladesh	Dec 2002 to Jan 2003
Graduate Research Assistant	Environmental Engineering & Sciences California Institute of Technology, Pasadena, CA, USA	Sep 1997 to Aug 2000
Undergraduate Teaching & Research Assistant	Environmental Engineering Montana Tech of the Univ. of Montana Butte, MT, USA	Sep 1995 to Jun 1997

III. SERVICE

Board Memberships in Organizations & Institutions

- Voting Member, Environmental Health Advisory Board (EHAB), Division of Environmental Health, County of San Diego (02/2020—Present)
- Voting Member, MPH Advisory Board, College of Health & Human Services, National University (08/2018—Present)
- Voting Member, Board of Trustees, Onkur—Bangla Language Academy (5/2017—Present)

Service to the Community:

- Science Olympiad San Diego Regional Event Supervisor (High School Division C and Middle School Division B), San Diego, CA (Year 2018—Present)
- Science Olympiad Teaching, Ecology (developed and taught course in ecological principles for students in grades 6-8), Science Olympiad (Division B), Black Mountain Middle School. (August 2017-April 2018, cumulative hours tracked 80 hrs+)
- Science Olympiad Teaching, Ecology (developed and taught course in ecological principles for students in grades 6-8), Science Olympiad (Division B), Black Mountain Middle School. (August 2016-April 2017, cumulative hours tracked 80 hrs+)
- Science Olympiad Teaching, Green Generation (developed and taught course in Environmental Science for students in grades 6-8), Science Olympiad (Division B), Black Mountain Middle School. (August 2015-April 2016, cumulative hours tracked 120 hrs+)
- Volunteer Proctor, Science Olympiad Competition, Black Mountain Middle School. (November 6, 2015)
- Chair, San Diego Bangla School Committee. (August 2012-December 2016)
- School of Health and Human Services, National University: designed three online courses COH400 (9/2012 to 6/2013), COH608 (09/2012 to 6/2013), and COH 601 (8/2020 to 11/2021)
- Supervisor, Graduate Research Experience for Vilayphone A. Sisouphanthong, National University (2011).
- Sustainable San Diego: participated in several meetings between March-May 2010 in their Public Health Forum.
- “Climate change and implications on health”, Pomerado Hospital, San Diego, CA, USA (Invited Talk, Apr 24, 2009)
- Supervisor, Undergraduate Research Internship Experience, Mesa Community College (Mar 2008 to June 2008)
- Round Table discussion: San Diego Foundation (2008)
- Seminar participation: UCSD, SD Focus 2050 (2008)

Service in International Organizations

- Moderator, Plenary IV: Innovation in Responsible Consumption and Production, Workshop on Celebrating Innovation in Health and Sustainable Development, January 4-5, 2017
- Attendee, The Gobeshona Conference for Research on Climate Change in Bangladesh (January 08 to 11, 2016)
- Subject expert, Transport Emission Mapping and Monitoring Capacity Building in 5 selected African cities, Environmental Solutions and Consultancy, Dubai, UAE (2015).

Service to San Diego State University

- Chair, Search Committee for SPH UG Director (2019—Present)
- Voting Member, University Undergraduate Curriculum Committee (2020—Present)
- Member, International Affairs University Council Committee (2020—Present)
- Member of Dean's Advisory Council, SDSU Global Campus (previously known as College of Extended Studies) (2018—Present)
- Member, SDSU COILers Group (ad hoc), International Affairs (2020—Present)
- Voting Member, Student Research Symposium (SRS) (08/2014—Present)
- Member, SPH Undergraduate Program Committee (ad hoc) (2020—Present)
- Judge (4 sessions), SDSU's 14th Student Research Symposium, March 19-20, 2021
- Chair, Curriculum committee, College Level, College of Health & Human Services (2018—2020)
- Chair, Curriculum committee, School Level, School of Public Health (2019—2020)
- Member, Evaluation Committee, School of Public Health (2017—2020)
- Member, Global Health Committee, School of Public Health (2019—2020)
- Core faculty member, The Sage Project (2014—2019)
- Member, Graduate Student Travel Fund Subcommittee (2014—2019)
- Member, Inamori Subcommittee (2014—2019)
- Chair, Ad-hoc Laboratory Resources Committee (2011—2019)
- Member, Curriculum committee, College Level, College of Health & Human Services (2017-2018)
- Search Committee for Dean of College of Extended Studies (2017-2018)
- Search Committee for Faculty in the Blue Gold Area of Excellence (2016-2018)
- Member, Academic Senate (08/2012-5/2017)
- Alternate Member, Institutional Review Board (IRB) (08/2012-5/2017)
- Member, Student Affairs and Alumni Committee (08/2007-08/2014)
- Member, Environmental Health & Safety Committee (06/2008-01/2014)
- Member, Laboratory Resources Committee (08/2009-05/2011)

Participation in Professional Associations

- Member, Air and Waste Management Association
- Member, American Association for Aerosol Research
- Member, International Society of Exposure Analysis
- Member, Partnership for Clean Indoor Air
- Member, Bangladesh Environment Network

Reviewer Work for Textbook

1. George Luber and Jay Lemery. "The Health Consequences of a Changing Climate: Public Health and Clinical Perspectives"

Reviewer Work for Research Proposal

1. Kuwait Foundation for the Advancement of Sciences (KFAS), Proposal Final Report Review, 2021.
2. Kuwait Foundation for the Advancement of Sciences (KFAS), Proposal Cycle Review, 2019.
3. AAAS Research Competitiveness Program, King Abdulaziz City for Science and Technology (KACST) Proposal Review, 2015.

4. Superior Council of the National Fund for Scientific & Technological Development (FONDECYT), National Research Funding Competition, Comisión Nacional de Investigación Científica y Tecnológica (CONICYT), Chile, 2013.
5. Ministry of Science and Innovation, Wellington, New Zealand, Proposal Review, 2012.
6. AAAS Research Competitiveness Program, King Abdulaziz City for Science and Technology (KACST) Proposal Review, 2012.

Reviewer Work for Technical Journals

1. Reviewer, Atmospheric Environment: 2013, 2014, 2015
2. Reviewer, Environmental Science & Technology: 2004, 2005, 2006, 2008, 2009, 2011
3. Reviewer, Aerosol and Air Quality Research: 2010, 2011
4. Reviewer, Indoor Air: 2008, 2010
5. Reviewer, Science of the Total Environment: 2007, 2009
6. Reviewer, Biomass & Bioenergy: 2007

IV. PROFESSIONAL GROWTH

Published Articles in Refereed Journals

23. **Chowdhury, Zohir**; Molina-Lopez, Kaytlin; Quintana, Penelope JE (2020). “Historical Trend Analysis of PM_{2.5} Concentrations from 2000-2018 in Imperial County, California and the Impact of Wind Direction and Agricultural Burning,” Under Review Atmospheric Pollution Research (Submitted).
22. Villavicencio, Josefina; Benitez, Alexandra; Barlow, Jessica; **Chowdhury, Zohir** (2019). “Assessing air quality through a sustainable educational model,” Journal of Sustainability Education, Vol. 19, ISSN: 2151-7452.
21. Matt, Georg E.; Quintana, Penelope J.E.; Hoh, Eunha; Zakarian, Joy M.; **Chowdhury, Zohir**; Hovell, Melbourne F.; Jacob, Peyton; Watanabe, Kayo; Theweny, Teaba S.; Flores, Victoria; Nguyen, Anh; Dhaliwal, Narinder; Hayward, Gary (2018). “A casino goes smoke free: a longitudinal study of secondhand and thirdhand smoke pollution and exposure”, Tobacco Control, Published Online First: 08 February 2018. <http://dx.doi.org/10.1136/tobaccocontrol-2017-054052>
20. Pillarisetti, Ajay; Allen, Tracy; Ruiz-Mercado, Ilse; Edwards, Rufus; **Chowdhury, Zohir**; Garland, Charity; Hill, Drew; Johnson, Michael; Litton, Charles; Lam, Nicholas; Pennise, David; Smith, Kirk R. (2017). “Small, smart, fast, and cheap: Microchip-based sensors to estimate air pollution exposures in rural households,” Sensors, 17(8), 1879. <https://doi.org/10.3390/s17081879>
19. Houston, Douglas; Dang, Andy; Wu, Jun; **Chowdhury, Zohir**; Edwards, Rufus (2016). “The cost of convenience; air pollution and noise on freeway and arterial light rail station platforms in Los Angeles”, Transportation Research Part D, 49, 127-137. <http://dx.doi.org/10.1016/j.trd.2016.09.011>
18. Joseph, Abba; Unnikrishnan, Seema; Kumar, Rakesh; **Chowdhury, Zohir**; Sawant, Shiwaji (2016). Source identification and quantification of PM_{2.5} aerosol in Mumbai using receptor techniques. J. of Environ. Science & Engineering, Vol 58, No 1, pg 27-48.
17. Antonel, Jessica and **Chowdhury, Zohir** (2014). “Measuring ambient particulate matter in three

cities in Cameroon, Africa.” *Atmospheric Environment*, 95, 344-354,
DOI:10.1016/j.atmosenv.2014.06.053

16. 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.

15. Gevaart-Durkin, Ashley R.; Swart, Dehran; **Chowdhury, Zohir** (2014). “A study of energy-related injuries from hospital admissions among children and adults in South Africa,” *Burns*, DOI: 10.1016/j.burns.2013.12.014

14. Klepeis, Neil E.; Hughes, Suzanne C., Edwards, Rufus D., Allen, Tracy; Johnson, Michael Johnson, **Chowdhury, Zohir**; Smith, Kirk R.; Boman-Davis, Marie; Bellettiere, John; and Hovell, Melbourne F. (2013). “Promoting Smoke-Free Homes: A Novel Behavioral Intervention Using Real-Time Audio-Visual Feedback on Airborne Particle Levels,” PLOS ONE. DOI: 10.1371/journal.pone.0073251

13. **Chowdhury, Zohir**; Campanella, Luke; Gray, Christen; Masud, Abdullah A.; Marter-Kenyon, Jessica; Pennise, David; Charron, Dana; Zuzhang, Xia (2013). “Measurement and modeling of indoor air pollution in rural households with multiple stove interventions in Yunnan, China”, **Atmospheric Environment**, Vol. 67, pp 161-169.

12. **Chowdhury, Zohir**; Le, Leah T.; Masud, Abdullah A.; Chang, Karen C.; Alauddin, Mohammad; Hossain, Mahmood; Zakaria, ABM; Hopke, Philip K. (2012) “Quantification of indoor air pollution from using cookstoves and estimating its health effects in Northwest Bangladesh”, *J. of Aerosol and Air Quality Research*, Vol 12, No. 4, pp 463-475.

11. Abba, Elizabeth J.; Unnikrishnan, Seema; Kumar, Rakesh; Yeole, Balkrishna; **Chowdhury, Zohir** (2012). Fine Aerosol and PAH Carcinogenicity Estimation in Outdoor Environment of Mumbai City, *International Journal of Environmental Health Research*, Vol 22, pp 134-149.

10. Begum, Bilkis A.; Hossain, Anwar; Saroar, Golam; Biswas, Swapan K.; Nasiruddin, Md.; Nahar, Nurun; **Chowdhury, Zohir**; Hokpe, Philip K. (2011). “Sources of carbonaceous materials in the airborne particulate matter of Dhaka, *Asian Journal of Atmospheric Environment*, Vol 5-4, pp 237-246.

9. Ryhl-Svendsen, Morten; Clausen, Geo; **Chowdhury, Zohir**; Smith, Kirk R. (2010). “Fine particles and carbon monoxide from wood burning in 17th-19th century Danish kitchens: measurements at two reconstructed farm houses at the Lejre Historical-Archaeological Experimental Center.” *Atmospheric Environment*, 44, 6, 735-744, doi: 10.1016/j.atmosenv.2009.11.045

8. Norcross, Amanda; McCracken, John; **Chowdhury, Zohir**, Canuz, Eduardo; Smith, Kirk R. (2010) “Estimating Personal PM2.5 Exposures using CO Measurements in Guatemalan Households Cooking with Woodfuel”, *Journal of Environmental Monitoring*, 12, 873-878, doi: 10.1039/B916068J

7. Woodcock, James; Edwards, Phil; Tonne, Cathryn; Armstrong, Ben; Ashiru, Olu; Banister, David; Beevers, Sean; Chalabi, Zaid; **Chowdhury, Zohir**; Cohen, Aaron; Franco, Oscar H.; Haines, Andy; Hickman, Robin; Lindsay, Graeme; Mittal, Ishaan; Mohan, Dinesh; Tiwari, Geetam; Woodward, Alistair A.; Roberts, Ian (2009). “Public health benefits of strategies to reduce greenhouse-gas

emissions: urban land transport,” *The Lancet*, 374, 1930-1943

6. **Chowdhury, Zohir**; Zheng, Mei; Schauer, James J.; Sheesley, Rebecca J.; Salmon, Lynn G.; Cass, Glen R.; Russell, Armistead G.(2007). “Speciation of ambient fine organic carbon particles and source apportionment of PM_{2.5} in Indian cities,” *Journal of Geophysical Research-Atmospheres*, 112, D15303, doi:10.1029/2007JD008386.

5. **Chowdhury, Zohir**; Edwards, Rufus; Johnson, Michael; Shields, Kyra N.; Allen, Tracy; Canuz, Eduardo; and Smith, Kirk R. (2007). “An inexpensive light-scattering particle monitor: chamber and field validations with woodsmoke”, *Journal of Environmental Monitoring*, 9, 1099-1106, doi: 39/b709329m.

4. Sheesley, Rebecca J.; Schauer, James J.; **Chowdhury, Zohir**; and Cass, Glen R.(2003) “Characterization of Organic Aerosols Emitted from the Combustion of Biomass Indigenous to the Indian Subcontinent,” *Journal of Geophysical Research*, **108**, No. **D9**, AAC 8-1 to AAC 8-15.

3. Eldering, Annmarie; Ogren, J. A., **Chowdhury, Zohir**; Hughes, Lara S.; Cass, Glen R.. (2002) “Aerosol optical properties during INDOEX based on measured aerosol particle size and composition”, *Journal of Geophysical Research-Atmospheres*, **107**.

2. **Chowdhury, Zohir**; Hughes, Lara S.; Salmon, Lynn G.; and Cass, Glen R. (2001) “Atmospheric Particle Size and Composition Measurements to Support Light Extinction Calculations over the Indian Ocean,” *Journal of Geophysical Research*, **106** 28,597-28,605.

1. Cantrell, Will; Shaw, Glenn; Cass, Glen R.; **Chowdhury, Zohir**; Hughes, Lara S.; Prather, Kimberly A.; Guazotti, Sergio A.; and Coffee, Keith R. (2001) “Closure Between Aerosol Particles and Cloud Condensation Nuclei at Kaashidhoo Climate Observatory,” *Journal of Geophysical Research*, **106** 28,711-28,718.

Articles in Refereed Proceedings

Chowdhury, Zohir; Anousheh, Ramtin; Broadwin, Rachael; Malig, Brian; Ostro, Bart (2008). “Time series study of PM_{2.5} source apportionment for use in health assessment in several California counties from 2001-2005.” *Peer-reviewed A&WMA Conference Proceeding Paper* Paper Number: 580, June 23-27, Portland, Oregon.

Chowdhury, Zohir; Zheng, Mei; Russell, Armistead G.; Cass, Glen R.; Salmon, Lynn G.; Sheesley, Rebecca J.; Schauer, James J. (2004) “Source apportionment and chemical characterization of the ambient fine particle aerosol in Delhi.” *Peer-reviewed A&WMA Conference Proceeding Paper*, April 19-22, Cary, North Carolina.

Unpublished, Refereed Papers Before Professional Conferences

Presented in Conferences as a Speaker

“UN Toolkit for Campus Climate Action Planning,” California Higher Education Sustainability Conference (CHESC), 18th annual conference, University of California, Santa Barbara, California, USA. July 8-11, 2019.

“The Sage Project—teaching sustainability in classrooms,” Sustainability Summit, Energy, Peace, and Global Governance, Xavier School of Sustainability, Xavier University, Bhubaneswar, India. August 11-13, 2016 (Invited Talk)

“Longitudinal fine and ultrafine air pollution measurements in a large casino taken before and after a smoking ban”, The International Society of Exposure Science, Henderson, NV, USA, October 18-22, 2015.

“Estimating contribution of household air pollution in ambient air pollution,” Global Alliance for Clean Cookstoves, July 15-16, 2015, Washington, DC, USA (Invited Talk)

“Fine particulate matter air pollution in South Asia”, Forum on Energy and Climate Justice, April 11, 2013, San Diego, CA, USA (Invited Talk)

“An overview and summary of current Asian particulate matter source apportionment studies,” Better Air Quality (BAQ) Bi-Annual Conference, November 8-11, 2010, Singapore (International Conference)

“Particulate Matter Source Apportionment: An Overview and Summary of Current Asian Studies”, ISES-ISEE 2010 Joint Conference, August 8-September 1, 2010, Seoul, South Korea. (International Conference)

“Fine particulate matter concentrations in kitchens, bedrooms, and outdoors in highland Guatemala—methods and results”, World Health Organization (WHO) and German Technical Cooperation (GTZ) Joint Conference in Indoor Air Pollution, June 15-17, 2009, Dhaka, Bangladesh. (International Conference)

“Current Source Apportionment Studies in Asia: An Overview”, Better Air Quality 2008, Bangkok, Thailand, November 12-14, 2008. (International Conference)

“Indoor PM_{2.5} and CO Concentrations Reduction from Improved Stoves Installation in Rural Northwest Yunnan Province, China”, Sub-plenary talk, Better Air Quality 2008, Bangkok, Thailand, November 12-14, 2008. (International Conference)

“Monitoring and Evaluations of Household Energy Projects”, PCIA Pre-event, Better Air Quality 2008, Bangkok, Thailand, November 11, 2008. (International Conference)

“Integrated & Real-time PM_{2.5} Concentrations in Kitchens, Bedrooms, and Outdoors in Highland Guatemala Using both Gravimetric and UCB Particle Monitor”, American Association of Aerosol Research, Orlando, FL, October 20-24, 2008.

“Integrated PM_{2.5} Concentrations in three household microenvironments in Highland Guatemala”, International Society of Exposure Assessment, Pasadena, CA, October 12-16, 2008.

“Time series study of PM_{2.5} source apportionment for use in health assessment in several California counties from 2001-2005.” Air and Waste Management Association, June 23-27, 2008, Portland, Oregon.

“Field validation of the UCB particle monitor”, ETHOS Conference, Kirkland, WA, January 27-29, 2006.

“Kitchen PM_{2.5} concentrations measured with an inexpensive monitor in Highland Guatemala”, International Society of Exposure Assessment, Conference, Tucson, AZ, October 31-November 5, 2005.

“State of Bangladesh’s environment and BEN’s initiative and their outcomes,” American Association of Bangladeshi Engineers and Architects, Santa Clara, CA, November 20, 2004.

“Size distribution and chemical composition of fine particles in Kaashidhoo during INDOEX”, Tropical Environmental Problems Workshop in the Light of The INDOEX Program”, Palampur, Himachal Pradesh, India, October 9-13, 2000.

Presented in Conferences as a Poster

“Measurements of particulate matter air pollution in food courts in San Diego’s shopping malls.” The International Society of Exposure Science, Henderson, NV, USA, October 18-22, 2015.

“Seasonal ultrafine and fine particulate matter monitoring in Dhaka, Bangladesh,” Integrated Conference of BAQ2014 and Intergovernmental 8th Regional EST Forum in Asia, November 19-21, 2014, Sri Lanka (International Conference).

“Winter season ambient fine and ultrafine particulate measurement in various locations of Mumbai, India”, Integrated Conference of BAQ2014 and Intergovernmental 8th Regional EST Forum in Asia, November 19-21, 2014, Sri Lanka (International Conference).

“Characterization of indoor particulate matter and carbon monoxide concentrations from using improved cook stoves in Northwest Bangladesh Better Air Quality (BAQ) Bi-Annual Conference, November 8-11, 2010, Singapore (International Conference)

“Size distributed chemical composition of fine particles emitted from burning South Asian biofuels and coals,” Better Air Quality (BAQ) Bi-Annual Conference, November 8-11, 2010, Singapore (International Conference)

Time Series Study Of Fine Particulate Matter Source Apportionment For Use In Health Assessment In Seven California Counties From 2001-2005, American Association of Aerosol Research, Minneapolis, MN, USA

“Size Distributed Chemical Composition of Fine Particles Emitted from Burning Coals from India, China, and Bangladesh”, Better Air Quality 2008, Bangkok, Thailand, November 12-14, 2008. (International Conference—Poster Presentation)

“Size Distributed Chemical Composition of Fine Particles Emitted from Burning Asian Coals”, American Association of Aerosol Research, Orlando, FL, October 20-24, 2008. (Poster Presentation)

“Concentrations of wintertime atmospheric PM_{2.5} and CO in San Lorenzo, Guatemala”, ISEA Conference, Tucson, AZ, October 31-November 5, 2005. (Poster Presentation)

“Source Apportionment and Characterization of Ambient Fine Particles in Delhi, Mumbai, Kolkata, and Chandigarh”. Better Air Quality 2004 (BAQ2004), Agra, India. December 6-8, 2004. (Poster Presentation)

“Chemical Characterization of the Ambient Fine Particle Aerosol in Delhi, Mumbai, and Kolkata.” American Association of Aerosol Research, AAAR-PM Conference, Pittsburgh, PA, USA. March 30-April 4, 2003. (Poster Presentation)

“Atmospheric Particle Size and Composition Measurements to Support Light Extinction Calculations over the Indian Ocean”, American Geophysical Union, San Francisco, CA, USA, December 1999. (Poster Presentation)

Invited Guest Lectures at SDSU:

“Air Quality: An Introduction”, Invited lecture at SDSU, PH304, Introduction to Environmental Health, February 27, 2020.

“Indoor & Outdoor Air Quality Challenges: A Global Perspective,” Invited lecture at SDSU, PH 780, Global Health, November 13, 2019

“Global health challenges in air pollution,” Invited guest lecture at SDSU, PH780, Global Health, November 7, 2018

“Global health challenges in Indoor and Outdoor air pollution,” Invited guest lecture at SDSU, PH780, Global Health I, November 8, 2017

“Health impacts from Climate Change,” Invited guest lecture at SDSU, PH781, Global Health II, March 24, 2015

“Indoor air pollution and biomass burning,” Invited guest lecture at SDSU, PH784, Global Environmental Health, April 7, 2014

“Introduction to climate change,” Invited guest lecture at SDSU, Fall 2013: PH101, Intro to Public Health, November 2013.

“Introduction to climate change,” Invited guest lecture at SDSU, Summer 2013: PH101, Intro to Public Health, June 2013.

“Introduction to climate change,” Invited guest lecture at SDSU, Spring 2013: PH101, Intro to Public Health, March 22, 2013.

“Indoor air pollution and biomass burning,” Invited guest lecture at SDSU, PH784, Global Environmental Health, February 7, 2013

“The evidence and science behind climate change,” Invited guest lecture at SDSU, PH604, Environmental Determinants of Human Health, November 20 and 21, 2012. (Two sections of PH604)

“Introduction to climate change,” Invited guest lecture at SDSU, PH101, Intro to Public Health, November 16, 2012.

“The evidence and science behind climate change,” Invited guest lecture at SDSU, PH604, Environmental Determinants of Human Health, September 21, 2011.

“Climate change: evidence, science, and mitigation,” Invited guest lecture at SDSU, PH362, International Health, June 22, 2011.

“Introduction to climate change,” Invited guest lecture at SDSU, PH101, Intro to Public Health, June 7, 2011.

“Climate change: evidence, science, and mitigation,” Invited guest lecture at SDSU, PH362, International Health, April, 2011

“Indoor air pollution and biomass burning,” Invited guest lecture at SDSU, PH784, Global Environmental Health, February 10, 2011.

“Exposure assessment of air pollutants,” Invited guest lecture at SDSU, PH630, Environmental Health Risk Assessment, April 29, 2010

“Climate change: evidence, science, and mitigation,” Invited guest lecture at SDSU, PH362, International Health, Section-2, October 12, 2009.

“Climate change: evidence, science, and mitigation,” Invited guest lecture at SDSU, PH 362, International Health, Section-1, October 11, 2009.

“Newest Methods in Air Toxics Research”, Invited guest lecture at SDSU, PH 738: Topics in Toxicology, Apr 6, 2009.

“Global climate change,” Invited guest lecture at SDSU, PH 781, Global Health II, Apr 10, 2008.

“Source apportionment of fine particle air pollution: example from India,” Invited guest lecture at SDSU, PH 800: Seminar in Qualitative Methods, March 13, 2008.

Technical Reports to Agencies

- Josephina Villavicencio, Alexandra Benitez, and **Zohir Chowdhury** (2017). [Final Report submitted to the City of Lemon Grove, California as part of the Sage Project at SDSU].
- Keagan Heights, Victoria Lawless, Christi Yip, and **Zohir Chowdhury** (2017). “Mitigation and Adaptation Strategies for Climate Change in Lemon Grove, CA, USA,” [Final Report submitted to the United Nations Habitat Programme, Nairobi.
- Ava Barekat and **Zohir Chowdhury** (2015). “Air Quality in National City,” [Final Report submitted to the City of National City, California as part of the Sage Project at SDSU].
- Jeremy McKinstry and **Zohir Chowdhury** (2015). “Mitigation Strategies for a Changing Climate in National City, CA,” [Final Report submitted to the City of National City, California as part of the Sage Project at SDSU].
- **Chowdhury, Zohir**; Al Masud, Abdullah; and Sandhu, Loveleen (2012). “Source apportionment of PM2.5 in Imperial County,” [Progress Report I (submitted June 1, 2012), Progress Report II (submitted October 1, 2012), and Progress Report III (submitted February 1, 2013)]

- **Chowdhury, Zohir** and Le, Leah T. (2011). “Characterization of indoor particulate matter and carbon monoxide concentrations from using cook stoves in Northwest Bangladesh,” Final Report, February 2011, Concern Worldwide in Bangladesh, Saidpur, Bangladesh.
- **Chowdhury, Zohir**; Hossain, Mir T.; Kulkarni, Ganesh (2008). “Projecting fine Particulate Matter (PM_{2.5}) concentrations for San Diego County for the years 2025 and 2050”, Final Report, June 2008, San Diego Foundation, San Diego, CA
- **Chowdhury, Zohir** (2006). “Source Apportionment of Ambient Fine Particulate Matter in Seven California Counties from 2001 to 2004” Final Report. May 2006. Office of Environmental Health Hazard Assessment (OEHHA), California Environmental Protection Agency.
- Naeher, Luke N.; Smith, Kirk R.; Brauer, Michael; **Chowdhury, Zohir**; Simpson, Chris; Koenig, Jane Q.; Lipsett, Michael; Zelikoff, Judith T. (2005). “Critical Review of the Health Effects of Woodsmoke,” Final Report, March 2005, Health Canada, Ottawa, Canada.
- Karsten, Baumann; Zheng, Mei; Chang, Michael; Russell, Armistead; Bergin, Michael, **Chowdhury, Zohir** (2005). “Study of Air Quality Impacts Resulting from Prescribed Burning—Focus on Sub-Regional PM_{2.5} and Source Apportionment,” Final Report #3506C05/C22, March 31, 2005, Engineering and Environment, Inc. Virginia Beach, VA.
- **Chowdhury, Zohir**; Zheng, Mei; Russell, Armistead G. (2004). “Source Apportionment and Characterization of Ambient Fine Particles in Delhi, Mumbai, Kolkata, and Chandigarh” Final Report. January 2004. The World Bank.

Scholarly Awards

- Sustainability Award Finalist (2019), The Association for the Advancement of Sustainability in Higher Education (AASHE)’s Sustainability Award in the Campus Sustainability Research Category for Outstanding Research in Sustainability, Philadelphia, PA
- Certificate of Appreciation for contributing guidance, inspiration, and support to the San Diego Regional Science Olympiad Competition (2019), San Diego County Regional Science Olympiad, San Diego, CA
- Leadership and Excellence Award (2018), Science Olympiad, Black Mountain Middle School, San Diego, CA
- Leadership and Excellence Award (2017), Science Olympiad, Black Mountain Middle School, San Diego, CA
- Volunteer Coaching Award (2016), Science Olympiad, Black Mountain Middle School, San Diego, CA
- Outstanding Faculty Award (2016), Graduate School of Public Health, San Diego State University, San Diego, CA

- Outstanding Faculty Award (2015), College of Health and Human Services, National University, San Diego, CA
- Outstanding Faculty Award (2014), Graduate School of Public Health, San Diego State University, San Diego, CA
- Outstanding Faculty Award (2012), Graduate School of Public Health, San Diego State University, San Diego, CA
- Certificate of Recognition (2009), Partnership of Clean Indoor Air (PCIA), United States Environmental Protection Agency (USEPA)
- Outstanding Service Recognition Award (2007), School of Public Health , UC Berkeley, CA
- Best Poster Award (2004), Better Air Quality Conference (BAQ2004), Agra, India. December 6-8, 2004
- Recipient, Caltech Lee Powell Fellowship (1997), California Institute of Technology, Pasadena, CA
- National Champion Award, Las Cruces, New Mexico, 1997. Conducted a year-long research work with a team of 10 students to win National Champion Award (\$10,000) in the international collegiate contest. Research Task: “Remediation of HEPA Filters Contaminated with Plutonium and Nitric Acid.”
- Member, Delta Omega, Public Health Honor Society, San Diego State University, San Diego, CA, USA
- Member, Tau Beta Pi, Engineering Honor Society, Montana Tech of the University of Montana, Butte, MT, USA

Funded Research Grants

PI: Penelope J. E. Quintana
 CO-PI: **Zohir Chowdhury**
 Period: 10/1/2018 to 12/31/2020
 Title: The San Ysidro Air Monitoring Network: Expanding the Model Community-to-Community (SDSURF Proposal ID S00022370, Fund Code 59562A)
 Agency: Casa Familiar
 Amount: \$61,680

PI: Penelope J. E. Quintana
 CO-PI: **Zohir Chowdhury**
 Period: 2/1/2019 to 12/31/2019
 Title: San Ysidro Port-Of-Entry Community Air Study (SDSURF Proposal ID S00023539)
 Agency: University of Washington
 Amount: \$12,000

PI: Penelope J. E. Quintana
 CO-PI: **Zohir Chowdhury**
 Period: 7/1/2016 to 4/30/2018
 Title: Community Air Sensing Year 2 (SDSURF Fund Code 58513B)
 Agency: University of Washington
 Amount: \$41,373

PI: Penelope J. E. Quintana
 CO-PIs: Trent Biggs, **Zohir Chowdhury**, Fernando De Sales
 Period: 3/15/2017 to 3/13/2020
 Title: Improving the CalEnviroScreen Score at the US-Mexico border (SDSURF Proposal ID S00020318, Fund Code 58918A)
 Agency: State of California, California Air Resources Board
 Amount: \$150,000

PI: Penelope J. E. Quintana
 CO-PI: **Zohir Chowdhury**
 Period: 7/1/2016 to 5/30/2018
 Title: Spatial Distribution of Particulate Matter and Black Carbon Pollution in the Border Community of San Ysidro, CA (SDSURF Proposal ID S00020264, Fund Code 58674A)
 Agency: State of California, California Office of Environmental Health Hazard Assessment
 Amount: \$32,949

PI: Penelope J. E. Quintana
 CO-PI: **Zohir Chowdhury**
 Period: 7/1/2016 to 4/30/2018
 Title: Community Air Sensing to Promote Community Health at the US-Mexico Border (SDSURF Proposal ID S00020279)
 Agency: The University of Washington
 Amount: 19,425

PI: Penelope J. E. Quintana
 CO-PI: **Zohir Chowdhury**
 Period: 11/1/2015 to 6/30/2016
 Title: Community Air Sensing to Promote Community Health at the US-Mexico Border (SDSURF Proposal ID S00018789)
 Agency: The University of Washington
 Amount: 22,719

PI: **Zohir Chowdhury**
 Period: 06/2014 to Present
 Title: National City Air Pollution Project (SDSU Fund Code C03948)
 Agency: Various
 Amount: \$5,000

PI: **Zohir Chowdhury**
 Period: 06/2014 to 08/2014
 Title: Air Pollution Sampling in National City using Citisense
 Agency: University of California, San Diego
 Amount: \$7,882

PI: **Zohir Chowdhury** and Ally Lu
 Period: 05/2014 to 08/2014
 Title: Measurements of Particulate Matter Air Pollution in Food Courts in San Diego's Shopping Malls
 Agency: University of California, San Diego
 Amount: \$2,700

PI: **Zohir Chowdhury**
 Period: 01/2014 to 06/2015
 Title: Air Quality Monitoring in National City
 Agency: San Diego State University SAGE Project
 Amount: \$4,000

PI: Georg E. Matt
 CO-PIs: Penelope J. E. Quintana, Eunha Hoh, **Zohir Chowdhury**
 Period: 07/2013 to 06/2016
 Title: Toward Smoke-free Casinos: The Win-River Experience
 Agency: Tobacco-Related Disease Research Program (TRDRP)
 Amount: \$269,209

PI: **Zohir Chowdhury**
 Period: 06/2013 to 12/2014
 Title: Development of forecasting and diagnostic tools in support of air quality management and public policy
 Agency: Universidad Andres Bello, Santiago, Chile
 Amount: \$16,000

PI: **Zohir Chowdhury**
 Period: 03/2012 to 12/2012
 Title: Source apportionment of ambient fine particle in Imperial Valley
 Agency: Center for Investigative Reporting, Berkeley, CA
 Amount: \$12,690

PI: **Zohir Chowdhury**
 Period: 01/2009 to 06/2010
 Title: Source apportionment & chemical speciation of ambient fine organic carbon
 Agency: SDSU UGP
 Amount: \$9,994

PI: **Zohir Chowdhury**
 Period: 5/2008 to 2/2009
 Title: Projecting fine Particulate Matter (PM_{2.5}) concentrations for San Diego County for the years 2025 and 2050 to support SD Focus 2050 Study (SDSURF Proposal ID S00010364, Fund Code 55299A)
 Agency: San Diego Foundation
 Amount: \$13,098

PI: Neil Klepeis (SDSU)
 CO-PI: Suzanne Hughes (SDSU), Rufus Edwards (University of California Irvine), Tracy Allen (EME Systems), Melbourne Hovell (SDSU), Kirk Smith (University of California Berkeley), **Zohir Chowdhury** (SDSU)
 Period: 7/1/2008 to 12/31/2009

Title: Instant SHS Feedback as a Catalyst for Smoke-Free Homes
 Agency: The Tobacco-Related Disease Research Program (TRDRP IDEA Award Cycle 17)
 Amount: 129,917

PI: **Zohir Chowdhury**
 Period: 09/2007 to 5/2009
 Title: HEI Special Report: Outdoor Air Pollution and Health in Developing Countries of Asia
 Agency: Health Effects Institute
 Amount: \$4,000

PI: **Zohir Chowdhury**
 Period: 8/2007 to 6/2008
 Title: Seasonal Source Apportionment of PM_{2.5} in 6 California counties using Chemical Mass Balance modeling (SDSURF Proposal ID S00009845, Fund Code 55118A)
 Agency: University of California, Berkeley.
 Amount: \$32,709

PI: Kirk R. Smith
 CO-PI: **Zohir Chowdhury**
 Period: 8/2007 to 6/2008
 Title: Seasonal Source Apportionment of PM_{2.5} in 6 California counties using Chemical Mass Balance modeling
 Agency: California State OEHHA
 Amount: \$64,699

PI: Kirk R. Smith
 CO-PIs: **Zohir Chowdhury**, Rufus Edwards, and Tracy Allen
 Period: 9/2007 to 9/2009
 Title: Development of the UCB-L Particle Monitor for California Applications in Environmental Justice
 Agency: California Air Resources Board
 Amount: \$213,088

PI: **Zohir Chowdhury**
 Period: 2005
 Title: Conducting seasonal source apportionment for PM_{2.5} in 7 California counties for the year 2000-2004
 Amount: Seed funding for \$4,950

PI: Armistead G. Russell
 CO-PI: **Zohir Chowdhury** and Mei Zheng
 Period: 2002-2004
 Title: Source apportionment of fine particles in Delhi, Mumbai, and Kolkata.
 Agency: The World Bank
 Amount: \$35,000

V. STUDENT RESEARCH & MENTORING

Membership in Theses as Chair

1. MS Thesis, Vincent Michael Hundley (2008). "Validation of the UCB Particle Monitor Using Different Combustion Sources"
2. MPH Thesis, Nathan Daley (2010). "The Impact of Personal Health on Climate Change: a Health Oriented Mitigation Strategy"
3. MPH Thesis, Brittany Finnegan (2010). "Risk Assessment for Consumption of Pesticides, PCB's and Mercury from Fish Caught off the Imperial Beach Pier"
4. MPH Thesis, Suzanne Barzee (2010). "Greenhouse Gas Emissions of Idling Vehicles at the San Diego-Mexico Border Crossings"
5. MPH Thesis, Christy Shwayhat (2011). "Source Apportionment of Ambient Fine Particulate Matter in Seven California Counties from 2001 to 2009"
6. MPH Thesis, Arturo Mota (2011). "Characterizing fine and ultrafine particulate matter in the community of San Ysidro"
7. MPH Thesis, Jacqueline Devera (2012). "Seasonal Differences in Fine Particulate Air Pollution in a Residential and in a Hotspot Area in Dhaka, Bangladesh"
8. MPH Thesis, Kiet Tuan Nguyen (2014). "Elevated Fine Particle Matter and Back Carbon Concentrations in Santiago, Chile during the Winter Season"
9. MPH Thesis, Kathryn Paras (2018). "Measurements of PM_{2.5}, PM_{1.0}, and Black Carbon in Cooking and Non-Cooking Environments Inside California Shopping Malls"
10. MPH Thesis, Kaltoum Kerdi (2018). "Seasonal Variation in Chemical Composition pf PM_{2.5} in Four Sites in San Ysidro, California"
11. MPH Thesis, Gerald Biando (2018). "An Analysis of Restaurant Food Safety Practices Within Full-Service Restaurants During Peak Business Hours in San Diego County, California"
12. MPH Thesis, Madison McLaughlin (2019). "Evaluation of a Portable Chamber for Field Calibration of Particulate Matter Monitors"
13. MPH Thesis, Asmim Faria (2020). "Summer and Wintertime Chemical Composition, and Source Apportionment of Fine Particulate Matter (PM_{2.5}) in San Ysidro, California."
14. MPH Thesis, Kaytlin Molina (2020) "Historical Trend Analysis of PM_{2.5} Concentrations from 2000-2018 in Imperial County, California and the Impact of Wind Director and Agricultural Burning

Membership in Theses as Second Member

1. MPH Thesis, Andrew S. Kowalewsky (2008). "Comparison of Nanoparticle Surface Area Monitor with p-Trak for Evaluation of UF PM Near Major Highway"
2. MPH Thesis, Lynelle Garnica (2010). "Spacial Distribution of Traffic Related Air Pollutants in the Community of San Ysidro"
3. MPH Thesis, Denise Parker (2010). "Ultrafine Particulate Matter Concentration from Traffic Pollution in Solano Beach"
4. MPH Thesis, Shannon Barceloux (2010). "Biomarkers of Kidney and Liver Toxicity in Male Sprague-Dawley Rats Following Fourteen Day Oral Exposure to Methyl Tertiary-Butyl Ether"
5. MPH Thesis, Christopher Michael Carey (2010). "Agricultural Burning: Air Monitoring with Real-time Aerosol Monitors of PM_{2.5}, PM₁₀, and Aerosol Black Carbon, in Imperial County, California"
6. MPH Thesis, Jill Dumbauld (2011). "Traffic-related Air Pollution in the Community of San Ysidro, California, in Relation to Northbound Delays at the US-Mexico Border"
7. MPH Thesis, Edgar Rodriguez (2011). "Roadside Air Pollution Measurements and Traffic Volume in a US-Mexico Border City: Tijuana, B.C."
8. MPH Thesis, Jamison Gordon Gamble (2013). "Spatial Measurements of Traffic Related Air

- Pollutants in San Ysidro, California, Using Citisense: A Novel Mobile Air Quality Sensing System”
9. MPH Thesis, Kathrina Devera Buan (2014). “Particulate Matter Concentrations at Children and Adult Breathing Heights in Residential Thirdhand Smoke Environments”
 10. MPH Thesis, Eileen S. Natuzzi (2015). “Defining population health vulnerability following an extreme weather event in an urban Pacific Island environment: Honiara, Solomon Islands.”
 11. MPH Thesis, Priyansi Patel (2016). “Characterization of nanoparticle emissions from 3D printers in different environments.”
 12. MPH Thesis, Jeremy McKinstry (completed 2016). “Bikeshare and transit in National City, CA: implications for climate change, the economy and public policy”
 13. MPH Thesis, Rina Eisenberg (2018). “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”
 14. MPH Thesis, Paul Luat (2018). “Spatial distribution of Black Carbon in air samples from the U.S.-Mexico international border community of San Ysidro, California”
 15. MPH Thesis, Naomi Walski (2018). “Possible influences of pollution from Tijuana on PM_{2.5} in the border city of San Ysidro using hourly data from a pollution monitor at the US-MX port of entry.”
 16. MPH Thesis, Rebecca Watkins (2019). “Particulate matter (PM) and ultrafine particle (UFP) measured on pedestrian walkways during and after the nearby use of leaf blowers”
 17. MPH Thesis, Kim Impreso (2019). “Within-day variation in particulate matter (PM_{2.5}) concentrations in the cities of El Cajon and Escondido, CA”
 18. MPH Thesis, Liliana Jaime (2020). “Spatial distribution and patterns of fine particulate matter (PM_{2.5}) close to the ports of entry in the San Diego-Tijuana area.”
 19. MPH Thesis, Beverly Caceres (2020). “Fine particulate matter (PM_{2.5}) air pollution in Tijuana measured by low-cost community air sensors at sensitive receptor sites”

Membership in Theses as Third Member

1. MS Thesis in Biology, Sonya Epel Levy (2007). “Interference with the Src Homology Domains of ITK as a Means of ITK Inhibition”
2. MS Thesis in Environmental Engineering, Jonathan P. Kocher (2009). “Investigation of Surfactant Modified Activated Carbon for Recycled Water”
3. MS Thesis in Environmental Engineering, Shinsyn A. Matsumoto (2009). “Ozonation and Ozone/Hydrogen Peroxide Treatment of Bisphenol A.”
4. MS Thesis in Computer Science, Sunee Waleetorncheepsawat (2010). “The study of development of web applications and native applications on iPhone”
5. MS Thesis in Environmental Engineering, Lacy Skidmore (2011). “The Influence of Ethanol on the Adsorption Capacity and Desorption Rate of BTEX Compounds to Soil”
6. MS Thesis in Environmental Engineering, Carissa Lee Williams (2012). “Methane Production from Anaerobic Co-digestion of Chlorella Vulgaris and Wastewater Sludge”
7. MS Thesis in Geography (2021 in progress). Michael Orialla

Mentored Students’ Awards and Honors

- Elizabeth Joseph Abba (2009). Fulbright Scholar
- Jacqueline Devera (2012). Best Presentation at the SDSU Student Research Symposium
- Jacqueline Devera (2012). Hanlon Award
- Abigail Crotz (2013). Research Scholarship
- Jessica Antonel (2013). Fulbright Scholarship
- Kathryn Paras (2014). Best Scoring Research at the SDSU Student Research Symposium

- Kiet Tuan Nguyen (2014). Hanlon Award
- Ally Lu (2014). HCOP Scholarship
- Kathryn Paras, Ally Lu, and Dustin White (2015). Best oral presentation at the SDSU Student Research Symposium.
- Ally Lu (2016). GSPH Outstanding Student Award at the SDSU Student Research Symposium
- Victoria Lawless and Christiana Yip (2018). SDSU University Sustainability Award at the SDSU Student Research Symposium
- Josefina Villavicencio and Alexandra Benitez (2019). The Association for the Advancement of Sustainability in Higher Education (AASHE) Sustainability Award Finalist

Dozen other students have received Scholarships or Fellowships for Ph.D. studies in prestigious universities, such as Yale University, New York University, University of California at Berkeley, University of California at Los Angeles.

VI. ACADEMIC COURSES TAUGHT

Summary

- Online and Onsite teaching expertise in graduate and undergraduate courses in Occupational & Environmental Health, Climate Change & Health, Air Quality, Air Sampling Techniques
- Excellent student quantitative and written evaluations of teaching (can be provided upon request)
- Capable of teaching large classes (100+ students per course)
- Teaching methods and teaching materials provide ample stimulation for all types of learners: visual, auditory, and kinesthetic.

At San Diego State University (Graduate and Undergraduate Courses):

- Graduate Course: PH632: Air Quality (class size: 12-20 students)
- Graduate Course: PH798: Special Studies in Air Pollution Instrumentation
- Graduate Course: PH604: Environmental Determinants of Health (class size: 25-80 students)
- Graduate Course: PH700D: Graduate Seminar: Global Warming (class size: 6 to 15 students)
- Graduate Course: PH650R/PH750D: Graduate Practical Training
- Graduate Course: PH797: Independent Research
- Graduate Course: PH799: Master's Dissertation
- Undergraduate Course: PH304: Environment and Public Health (class size: 60-170 students)
- Undergraduate Course: PH496: Special Topics: Climate Change and Health (class size: 40-50)
- Undergraduate Course: PH452: Health Impacts from Climate Change (class size: 39-54 students)
- Study Abroad Program: PH499 and GEN S 450 (class size: 12-17 students)
- Undergraduate Course: PH499: Undergraduate Research

At National University

- Graduate Course: COH608: Public Health and the Environment
- Graduate Course: COH601: Global Health
- Undergraduate Course: COH400: Environmental Health
- Undergraduate Course: HCA450: Global Health Systems:

At University of California, Berkeley

- Graduate Course: PH298: Air Pollution Sampling Techniques
- Graduate Course: PH299: Independent Studies



**APPLICATION FOR SERVING AS A PUBLIC MEMBER ON THE SAN
DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT GOVERNING
BOARD**

INSTRUCTIONS: Please complete this form in its entirety. Note the additional requirements listed on the third page.

Submit the completed application and your resume to the Clerk of the Air Pollution Control District Governing Board at APCDPublicComment@sdcounty.ca.gov or, you may send your application to 10124 Old Grove Road, San Diego, CA 92131. **Applications are due no later than March 23, 2021.**

Last Name

First Name

The APCD Governing Board meets at times mutually satisfactory to the members. Day meetings are more common than evening meetings. Will you be able to schedule your time accordingly?

☐ Yes

☐ No

Have you ever been affiliated with an entity that is regulated by the Air Pollution Control District?

☐ Yes

☐ No

If yes, please list them here:

What required area of expertise are you seeking to represent on the APCD Governing Board?

- ☐ Physician/Public Health Professional
- ☐ Environmental Justice Interests
- ☐ Science/Technology Background in Air Pollution

****Candidates are required to submit evidence of their qualifications by including a resume with this application and may be asked to provide additional information, as needed.***

Please summarize your experience that demonstrates your interest and proven ability in the field of air pollution control and your understanding of the needs of the general public in connection with the air pollution problems of San Diego County.

STATEMENT OF OCCUPATIONAL EXPERIENCE

Current Employer

Job Title

Dates of Employment

Previous Employers

Position Title

Dates of Employment

List past county appointments with dates served, and other past or present community or public service appointments.

Committee/Organization Name

Dates Served

Membership qualifications for the APCD Governing Board are as follows:

Qualifications. All public members shall reside within the boundaries of San Diego County and shall be appointed on the basis of their demonstrated interest and proven ability in the field of air pollution control and their understanding of the needs of the general public in connection with the air pollution problems of the San Diego County. Specific qualifications for each of the three (3) public Board members, as established by Health & Safety Code section 40100.6(a)(4)(A)–(C), are as follows:

1. One public member shall be a ***physician or public health professional*** actively practicing within the boundaries of the San Diego County. The member's specialty shall be in the health effects of air pollution on vulnerable populations.
2. One public member shall be a ***person representing environmental justice interests*** and who works directly with communities within the boundaries of the San Diego County that are most significantly burdened by, and vulnerable to, high levels of pollution, including communities with diverse racial and ethnic populations and communities with low-income populations. This member may be a resident of that community and have a demonstrated record of community leadership.
3. One public member shall be a ***person with a scientific or technical background in air pollution***, such as an environmental engineer, chemist, meteorologist, or air pollution specialist.

NOTE: Public members will be appointed by the San Diego County Air Pollution Control District Governing Board. Each public member will serve a four-year term and is entitled to receive compensation for participation on the Governing Board. Please review [Assembly Bill 423 \(AB 423\) SEC. 6. Section 40100.6](#) for details.

Please note that this application is a public record subject to disclosure. This application will be maintained for a period of one year.

By signing below, I declare that the information provided above is accurate and complete to the best of my knowledge.

Applicant's Name



Applicant's Signature

Date

CONTACT INFORMATION

<div><div></div><div>Last Name</div></div>	<div><div></div><div>First Name</div></div>
--	---

Note: Personal information may be withheld from public view as allowed by law.

<div><div></div><div>Home Street Address</div></div>	<div><div></div><div>City</div></div>	<div><div></div><div>State</div></div>	<div><div></div><div>Zip</div></div>
<div><div></div><div>Mailing Address (if different than home address)</div></div>	<div><div></div><div>City</div></div>	<div><div></div><div>State</div></div>	<div><div></div><div>Zip</div></div>
<div><div></div><div>Business Street Address</div></div>	<div><div></div><div>City</div></div>	<div><div></div><div>State</div></div>	<div><div></div><div>Zip</div></div>
<div><div></div><div>Home Phone #</div></div>	<div><div></div><div>Business Phone #</div></div>		
<div><div></div><div>Mobile Phone #</div></div>	<div><div></div></div>		
<div><div></div><div>E-Mail Address</div></div>			

Louis George Gilleran, MD, MPH, MSHS, FACPM, FAsMA, CHCQM-PHYADV

[REDACTED] / [REDACTED]

Medical and Related Employment:

JAN 17-Present: **Epidemiology Outbreak & Tuberculosis Clinic Staff Physician**, San Diego County Health & Human Services. Currently serving as Medical Director for largest Emg Homeless Shelter in US with COVID 19 prevention as primary goal.

OCT 18-Present: **Physician Advisor**-United Health Care Contractor to San Diego Sheriff's Department. Utilization Management, Quality Management.

JUN 2018-Present: Staff Physician **Joseph Allen, MD**, Family and Sports Medicine Practice, San Diego, CA

AUG 18-May 20: **Interim Sheriff's Chief Medical Officer**, San Diego Sheriff's Department. Oversee Medical Care at Detention Facilities (Jails) with inmate population of 7,500.

MAR 11-Present: **Substitute Instructor Group Fitness Classes**, Point Loma Sports Club/MCRD Fitness Center

JAN 90 – SEP 16 **Active Duty US Navy Physician**: Internal & Aerospace Medicine, Flight Surgeon, and General Medical Officer. *Retired as CAPT/O6, Medical Corps, FS, US Navy after 27 years of active duty.*

Jul 09 – Sep 16. **US Navy. Force Surgeon, Commander Naval Air Forces Reserve**, San Diego, CA Responsible for oversight, quality assurance, preventive and clinical services, and manpower of 37 squadron and augmentation unit's Aviation Medicine Departments caring for over 10,000 personnel. Chairman, Medical Executive Committee for 263 privileged providers. Clinical duties at BMC North Island. Deployed to Black Sea Rotational Force 2011 and Operation Enduring Freedom-Afghanistan 2013

Jun 10 – Present. **Physician-Research Member**, Institutional Review Board, Pacific Institute for Research and Evaluation (PIRE). Evaluate research studies for patient safety, ethics and risk/benefit on behalf of Non-profit.

May 12 – DEC 15. **Physician Consultant** for Preventive-Aerospace Medicine to University Disability Consortium

May 08-May 15 – **Volunteer Clinical Professor**, Department of Medicine, University of California-Irvine

Oct 07 – Jul 09. **US Navy. Head, Medical Clinic Marine Corps Recruit Depot**, San Diego, CA. Physician Administrator of large primary care clinic including Mental Health, Optometry, Preventive Medicine, Sports Medicine and Acute Care. Responsible for screening and care of 1,800 base staff and 20,000 recruits per year. Served simultaneously as Head Branch Medical Clinic NTC JAN-NOV 08. Clinical duties at BMC MCRD.

Aug 04 - Oct 07. **US Navy. Officer in Charge, Surface Warfare Medicine Institute**, San Diego, CA. Operational Medicine Instruction. Training of Medical Department Officers for *at sea* duties. Responsible for curriculum development/review, class coordination, resource publication and presentations. Engaged in special projects such as Patient Movement, Flight Surgeon Instruction, etc. Clinical duties at Branch Medical Clinic, Naval Training Center

Sep 02 - Aug 04. **US Navy. Surgeon/Deputy Surgeon, 3d Marine Aircraft Wing**, San Diego, CA. Direct management and administration of over 40 squadron medical departments, including credentials/privileges, Health Promotion, Preventive Medicine, Quality Assurance, training, medical supplies, equipment, pharmaceuticals, manpower and medical care of 15,000 personnel. Deployed to Iraq and Kuwait for Operations Iraqi and Enduring Freedom. Clinical duties at BMC Miramar.

Dec 98-Sep 02. **US Navy. Deputy Force Medical Officer, Commander Naval Air Forces Pacific Fleet**, San Diego, CA. Responsible for oversight (advise, assist and assess) of 6 aircraft carrier medical departments/hospitals and 60 squadron medical departments, management of equipment, staff, privileging,

Louis George Gilleran, MD, MPH, MSHS, FACPM, FAsMA

Medical and Related Employment con't:

directives and planning. Research Coordinator. Quality Assurance Coordinator. Medical Student Coordinator. Editor of BONES, an operational medical newsletter. Clinical duties at BMC North Island.

Aug 97 – Dec 98. **US Navy. Senior Medical Officer, Branch Medical Clinic, Naval Air Station North Island**, San Diego, CA. Physician-Administrator of busy aeromedical / primary care clinic with a staff of 20 physicians, 2 PAs, 4 Nurses, Family Practice Clinic, Mental Health Unit, Optometry Unit, Physical Therapy Clinic, Urgent Care Facility, Ambulance Services and Occupational Health Unit.

Jun 95 – Aug 97. **US Navy. Senior Medical Officer / Battle Group Medical Officer, USS CARL VINSON**, Bremerton, WA. Physician-Administrator of Battle Group, Aircraft Carrier Medical Department and Ship's Hospital aboard a deployed US Naval warship with responsibility for a staff of over 70 personnel and 10,000 sailors aboard 8 ships.

Jun 90 – Aug 92. **US Navy. Senior Flight Surgeon / Internist, Branch Medical Clinic, Naval Air Station New Orleans**, LA. Aeromedical and primary care practice with an emphasis on Prevention, Health Promotion and Occupational Medicine. Medical Reserve Program Manager.

Sep 90 – SEP 92. **Physician, Emergency Medical Services Association of Louisiana**, New Orleans, LA. Provided part-time contract Emergency Medicine coverage at various sites in Louisiana.

Mar 88 – Dec 89. **Medical Officer of the Day, Veterans Administration Hospitals**, Eire, PA. and Brecksville, OH. Part-time House physician.

May 82 – Aug 85. **Medical Writer / Editor, Carol Sibely Medical Editing**, Montclair, NJ. Part-time rewriting publication submissions.

Sep 79 – Sep 80. **Assistant Pathologist, Mountainside Hospital**, Montclair, NJ. Assist in post-mortem exams (gross and microscopic), perform medical photography, and manage/coordinate specimen library

Education:

Graduate Executive Financial Planning Program, Certificate, San Diego State University, Jan 18 – Jun 19.

Master of Science Health Sciences: Emergency & Disaster Management, Trident University International, Summa Cum Laude, Mar 2011

Medical Acupuncturist: Helms Medical Institute - US Navy & Air Force Program. Nov 2009

Preventive/Aerospace Medical Residency, Naval Aerospace and Operational Medical Institute, Pensacola, FL. Jun 1995.

Master of Public Health, Health Systems Management, Tulane University School of Public Health and Tropical Medicine, Summa cum Laude, Aug 1993.

US Navy Flight Surgeon, Naval Aerospace Medical Institute, Pensacola, FL. Jun 1990.

Internal Medicine Residency / Chief Medical Resident, Cleveland Clinic System, OH. Dec 1989.

Medical Degree, Ross University School of Medicine, Dominica, WI. Jan 1987.

Bachelor of Science, Biology, Montclair State University, Montclair, NJ. Magna cum Laude. May 1979.

Louis George Gilleran, MD, MPH, MSHS, FACPM, FAsMA

Medical / Military Training:

Hyperbaric Medical Team Training / Wound Care Course, Dec 16
Navy Aeromedical Course/Conference, JAN 16 and prior years
Alcohol & Drug Abuse Management for Leaders, Apr 2015
Navy Operational Fitness & Fueling System Course, Mar 2013
Navy Health Promotion & Wellness Course, Jul 2012
Human Research Curriculum, Collaborative Institutional Training Initiative, Dec 2007
Clinical Management Team Training, Sep 2007
Homeland Security Medical Executive Course (HLSMEC), Aug 2008
Defense Support of Civil Authorities (DSCA), OCT 2006
Advanced Medical Department Officer Course (AMDOC), Feb 2005
Basic Medical Department Officers Course (BMDOC), Dec 2004
Commander Amphibious Task Force-Surgeon Course, Feb 2004
Military Justice for Senior Officers Course, Dec 2003
Advanced Officer Leadership Training Course, Oct 2003
Tactical Medicine, Gunsite Academy, Dec 2002
Medical Management of Chemical and Biological Casualties, Nov 02
Navy Occ. Hlth and Prev. Med. Workshops, Feb 2005 and prior years
Strategic Medical Readiness Contingency Course, May 1999
Aeromedical Evacuation Course, Mar 1998
The 7 Habits of Highly Effective People, Feb 1999
Navy Customer Relations Training Course, Jan 1998
Multi-Forces Humanitarian Training Course, Oct 1997
Hospital Survey Preparation (JCAHO) Clinic, Sep 1997
Management Development Course, Mar 1997
Team Skills Course, Oct 1995
Fundamentals of Total Quality Leadership, Aug 1995
Senior/Battle Group Medical Officer Course, May 1995 and prior years
Cold Weather Medicine, Mar 1995
Quality Improvement Course, Jan 1995
Medical Effects of Nuclear Weapons, Oct 1994
Radiation Health Indoctrination, Apr 1994
Global Medicine, Feb 1994
Dept. of Transportation, Aircraft Accident Investigation, Feb 1994
Hyperbaric Medical Officer Course, Sep 1993
Combat Casualty Course, Apr 1991

Honors / Awards:

Military: Legion of Merit, Defense Meritorious Service Medal, US Navy/Marine Corps Meritorious Service (6), Commendation, and Achievement (2) Medals. US National Defense Service Medal (2). US Navy Outstanding Volunteer Service Medal. US Coast Guard Special Operations Ribbon. US Navy Expert Pistol Medal. Global War on Terrorism Expeditionary/Service Medal. Afghanistan Campaign Medal. NATO Medal. US Navy Sea Service Ribbon (2). US Navy Expeditionary Forces Ribbon. Presidential Unit Commendation. Navy Unit Commendation, Meritorious Unit Commendation Ribbon (5). Battle Efficiency Ribbon (3). Fleet Marine Force Ribbon. Surface Warfare Medical Officer.

Sonny Carter Memorial Award, Aeromedical Teamwork, Society of US Naval Flight Surgeons. 2012
Delta Omega, Eta Chapter, Public Health Honor Society. 1993
Who's Who in American Colleges and Universities, Tulane University School of Public Health. 1993
"Metropolitan Leadership Forum", New Orleans Metropolitan Area Committee. 1993
US Navy Surgeon Generals Award for Student Flight Surgeon Excellence. 1990
Outstanding Medical Resident, Meridia Huron Hospital. 1989
Sigma Eta Sigma, Math/Science Honor Society. 1976.

Community Service:

CA State Military Reserve, Maritime Command - Disaster Response. 2018-present
House Physician, San Diego Symphony 2002 – Present
Audubon Society, San Diego Chapter Clean-ups 1997 – 2015
Neighborhood Leader American Heart Association, San Diego 2006-2009

Louis George Gilleran, MD, MPH, MSHS, FACPM, FAsMA

Community Service con't:

HOA 214 Elm, President/ Vice President/Treasurer, 1997-2007

Military World Games US Team, Clinical Director, Zagreb Croatia 1999/ Hyderabad India 2007

Professional Organizations:

American College of Preventive Medicine, Fellow

Aerospace Medical Association, Fellow

American Board of Quality Assurance and Utilization Review Physicians, Physician Advisor

Society of US Naval Flight Surgeons, former President, Board of Governors and associate editor *Contact*.

AMSUS | The Society of Federal Health Professionals, Member

Examinations and Licensure:

California, Medical License C51060

Diplomat, American Board of Preventive Medicine-Aerospace Medicine

FAA, Aviation Medical Examiner (military)

BLS

ECFMG certificate, FLEX parts I and II

Certified Spin Instructor, Schwinn Fitness



Captain (Ret) Louis George Gilleran, Medical Corps, US Navy

CAPT Lou Gilleran was born in Oak Park, Illinois to Eva Stolz from Prague, Czech Republic and Louis Gilleran from Longford, Ireland. He was raised in New York City. He graduated from Montclair State University, NJ with a BS in Biology, magna cum laude in 1979. He obtained his MD from Ross University School of Medicine in January 1987, after transferring from St George's University School of Medicine in Grenada following the US liberation. He completed residency training, was Chief Resident in Internal Medicine at Huron Hospital, Cleveland Clinic, Cleveland, OH in '89.

CAPT Gilleran received a direct accession commission as a LT in NOV 89 and was assigned as a Flight Surgeon Student at Naval Aerospace Medical Institute, Pensacola. After earning his wings and receiving the Surgeon General's award for Student Excellence in '90, LT Gilleran was appointed as Senior Flight Surgeon/Internist, NAS New Orleans from 1990 through 1992. He was promoted to LCDR in '92 and was selected to the US Navy Residency in Aerospace Medicine and completed his MPH degree at Tulane University. LCDR Gilleran proceeded to Naval Operational Medical Institute, Pensacola to complete the Aerospace Medicine Residency, graduating in '95. He is a diplomat of the American Board of Preventive Medicine and a Fellow of the American College of Preventive Medicine and Aerospace Medical Association.

LCDR Gilleran reported aboard USS CARL VINSON (CVN 70), home-ported in Alameda, CA in '95 as Senior Medical Officer. He completed a WESTPAC / Arabian Gulf deployment as CARL VINSON Battle Group Medical Officer and completed a change of Home-port to, and a yard period in, Bremerton, WA. While aboard CARL VINSON, LCDR Gilleran qualified as a Surface Warfare Medical Department Officer and CARL VINSON received the Battle E Award and the Medical Department received Blue M Awards (2).

In '97 LCDR Gilleran reported to Naval Medical Center San Diego and was assigned as Senior Medical Officer, Branch Medical Clinic North Island. In '98 he was promoted to CDR. He took on the added responsibility as VRC 30 Flight Surgeon and in '98 was assigned as Deputy Force Medical Officer, Commander Naval Air Force US Pacific Fleet. He was assigned to duty with the US Marine Corps as Surgeon and Deputy Surgeon, 3d Marine Aircraft Wing and Surgeon Marine Wing Support Group 37 Surgeon, Miramar, CA in '02. CDR Gilleran deployed with 3d Marine Aircraft Wing to Kuwait and Iraq as part of Operation Enduring and Iraqi Freedom. CDR Gilleran was assigned as Officer in Charge, Surface Warfare Medicine Institute, San Diego, CA '04 – '07. CDR Gilleran reported as Officer in Charge, Branch Medical Clinic, Marine Corps Recruit Depot San Diego in 2007 and served simultaneously as Head Branch Medical Clinic NTC January through NOV '08.

In '09 CDR Gilleran was assigned as Force Surgeon, Commander Naval Air Forces – Reserve. He was promoted to Captain in '10 and completed a Master Degree in Emergency and Disaster Management, summa cum laude, at Trident University International in '11. CAPT Gilleran deployed with 4th MEF, USMC as Black Sea Rotational Force Surgeon in 2011. In 2012 he received the Sonny Carter Memorial award for Teamwork in aviation medicine and was elected as president of the Society of US Naval Flight Surgeons. CAPT Gilleran deployed as Officer in Charge of a Joint Medical Research Team to OEF-Afghanistan in '13. He served as Chairman of COMNAVAIRFOR Executive Committee of the Medical Staff '09-'16.

CAPT Gilleran has been the Navy representative to the Joint Force Health Protection, Patient Movement Working Group and US Army MEDEVAC Committee, Defense Medical Standardization Board-Patient Movement, US Navy Landing Craft-Air Cushion (LCAC) Medical director, and is a trained Medical Acupuncturist

CAPT Gilleran's military awards included the Legion of Merit, Defense Meritorious Service Medal, Meritorious Service Medal (6), Navy Commendation Medal, Navy Achievement Medal (2), Global War on Terrorism Expeditionary and Service Medals, Afghanistan Campaign Medal, NATO Medal, Battle Efficiency Award (3), Presidential Unit Commendation, Navy Unit Commendation, Meritorious Unit Commendation (5), Sea Service Award (2), Outstanding Volunteer Service Medal, National Defense Medal (2), Armed Forces Expeditionary Medal, USCG Special Operations Award, Expert Pistol and Fleet Marine Force Ribbon.

CAPT Gilleran retired from the US Navy after 27 years of service in August 2016. He is currently employed by San Diego HHSA in the Tuberculosis Control and Refugee Care Branch and as needed with Epidemiology Branch. He is the Physician Advisor to San Diego Sheriff's Dept and practices with Joseph Allen, MD LLC. He recently completed the San Diego State University Executive Financial Planner Program. He is married to Rebecca Sue Harper originally from Charlevoix MI. Their daughter Courtney, an OR nurse, and husband Evan Gammage, a fireman/paramedic residing in Phoenix, AZ, have provided them with 2 immensely talented and fun grandchildren.

Louis George Gilleran, MD, MPH, MSHS, FACPM, FAsMA

Publications and Research:

- **Reviewer for the Journal of Traumatic Stress, 2016-present
- **Co-researcher and field Officer in Charge, *PTSD Biomarkers in Deployed Reserve Military Population*, Afghanistan, Guam, Hawaii and Washington, 2013-present
- ***Community Acquired Methicillin Resistant Staph Aureus, Still a Problem Among Our Military Recruits*, Poster Presentation Academic Research Competition 1st Runner Up, Naval Medical Center San Diego and selected poster American Occupational Health Conference, April 2009.
- ** Editor, Publisher, Author, *Fleet Medicine Pocket Reference 2008*
- ***SSRIs in the Fleet*, Poster Presentation at the Association of Military Surgeons of The United States Meeting, 2006
- ***Treatment of Psychiatric Disorders Aboard an Aircraft Carrier Assisted with Psychotropic Medication: A Retrospective Review*. Military Medicine 171, 4:316, April 2006
- ***Meanderings from Operation Iraqi Freedom*. Contact, Vol XXIX, Number 1, January 2004
- **Medical Research Coordinator, Commander Naval Air Force, US Pacific Fleet, December 1998-September 2002.
- **Editor, *Bones: Force Medical Newsletter*, Commander Naval Air Force US Pacific Fleet, October 1999-September 2002. Submitter, October 1999-present.
- **Poster Presentation: *Health Promotion Programs Aboard US Naval Ships*, Scientific Meeting of Aerospace Medical Association. Seattle, WA. May 1998.
- **Publisher/Editor, *USS CARL VINSON Medical Department Cruise Report*, January 1997.
- ***Get Involved, Stay Involved. Suicide Prevention, Everyone's Job*, The Eagle, USS CARL VINSON, Vol 16, No 108, August 10, 1996.
- ***Carpal Tunnel Syndrome, Preventing Repetitive Motion Problem*, Safety Shorts, USS CARL VINSON, July 1996.
- **Publisher/Editor, *Task Group Medical Chronicles*, USS CARL VINSON Battle Group, Monthly: May-November 1996.
- ***You're The Flight Surgeon, Treatment of Burns*, Aviation, Space, and Environmental Medicine, Vol 67, No 1, January 1996.
- ***Shipmates: A Key to Suicide Prevention*, The Eagle, USS CARL VINSON, Vol 13, No 104, December 7, 1995.
- **Indexing and proofreading, *The Naval Flight Surgeon's Pocket Reference to Aircraft Mishap Investigation*, Naval Safety Center, 4th edition, 1995.
- ***Waivers for Disqualifying Medical Conditions in U.S. Naval Aviation Personnel*, Aviation, Space, and Environmental Medicine. Vol 66, No 5, May 1995.
- ***Calculating Oxygen needs and Consumption for Aero-Medical Evacuations*, Society of US Naval Flight Surgeon's Newsletter, Vol XIX, No 2, April 1995.
- ***Fish Consumption and Mercury Poisoning, Louisiana Morbidity Report*, Vol 6, No 1, January / February 1995.
- **Otolaryngology Chapter and portions of Internal Medicine chapter, *US Navy Aeromedical Waiver and Reference Guide*, 1994/5.
- ***Federal Aviation Administration, Aviation Medical Examiner Designation*, Society of US Naval Flight Surgeons Newsletter, Vol XVII, No 4, October 1994.
- ***Hepatitis C Update*, Society of US Naval Flight Surgeon's Newsletter, Vol XVIII, No 3, July 1994.
- ***The Americans with Disabilities Act of 1990: The Affects of Titles I and III on Employers*, Esteemed Student Papers, Tulane University School of Public Health and Tropical Medicine, Spring 1993.
- ***Specialty Consultation Process Study*, US Navy Medical Clinics, New Orleans, Louisiana, January 1993.
- **Associate Editor, Society of US Naval Flight Surgeons Newsletter, June 1994-June 1995.
- ***"Put" Prevention into Practice*, Society of US Naval Flight Surgeons Newsletter, Vol XVIII, No 2, April 1994.
- ***The Use of Prostate Specific Antigen Testing*, Society of US Naval Flight Surgeons Newsletter, Vol XVII, No 4, October 1993.
- ***Mercury Poisoning and Fish Consumption*, The Uniformed Services Pediatric Newsletter, Vol 35, No 4, Fall 1994.
- ***Of Fish, and Fishing and Mercury Poisoning*, Louisiana Chapter Notes, American Academy of Pediatrics, Fall 1994
- **Resident's Research Competition, Meridia Huron Hospital, *The Effect of Pigmentation on Saturation Oximetry Studies*, Honorable Mention, 1989.
- **Research Assistant, Montclair State University/New Jersey Department of Environmental Protection, *Heavy Metals in Marine Organisms*", 1978-1979.

Louis George Gilleran, MD, MPH

Professional Presentations:

- **Lecturer *Hepatitis A Outbreak, Tuberculosis Control, Correctional Care & Aerospace Medicine*, UCSD Preventive Medicine Residency Training Program, San Diego, CA February 1999-Present
- **Volunteer Lecturer, US Colleges, Medical Assistant Program, *Tuberculosis Basics*, San Diego CA June 2017-FEB 2018
- **Presenter, *The Effect of Acceleration on the Living Organism*, Aerospace Medical Association Meeting, San Diego CA MAY 2014
- **Presenter: *Hypoxia and Altitude Threats*, American Osteopathic College of Occupational and Preventive Medicine Meeting, San Diego, CA. Oct 2012
- **Instructor: *Health Promotion Programs, Medical Evacuations, Medical Readiness Inspections, Credentialing/Privileging, Quality Assurance and Leadership*, Surface Warfare Medical Officer Course/ Commander Amphibious Task Force Surgeon Course. San Diego, CA. July 1999-present.
- **Instructor: *Homeland Security Medical Executive Course*, Defense Medical Readiness Training Institute. Aug 2008-2012
- **Teaching Staff-Instructor: *Operational Medicine Topics*, Undersea Medical Officer Training Program, Naval Undersea Medicine Institute, Groton, CT Jan – Oct 2007
- **Teaching Staff-Instructor: *Operational Medicine Topics*, Flight Surgeon Training Program, Naval Aerospace Medicine Institute, Pensacola, FL Mar 2004-Oct 2007
- **Presenter, *Defense Support of Civil Authorities-Your Role*, Medical Staff, Branch Medical Clinic North Island, Naval Medical Center San Diego Dec 2006
- **Presenter: *The Military in Disaster Response, Pros and Cons*, UCLA Center for Public Health and Disasters, 5th Annual Conference, Long Beach, CA. 22 May 2006
- **Presenter: *Casualty Evacuation/En Route Care*. Operational Aeromedical Problems Course, Navy Environmental Center Conference 2005. Virginia Beach, VA Feb 2005
- **Presenter: *Casualty Evacuation*. Fleet and Marine Corps Forces Health Service Symposium, HI. Feb 2004
- **Course Coordinator and Lecturer: Aircraft Carrier Medical Leadership Conference. Commander Naval Air Force. San Diego, CA. February 2002 / March 2004
- **Coordinator and Lecturer: Operation Iraqi Freedom- *Operation Enduring Freedom Medical Threat Briefs/Anthrax and Small Pox*. 3d Marine Aircraft Wing. San Diego, CA; Kuwait and Iraq. November 2002-Sep 2004.
- **Course Coordinator: *Operational Risk Management and Operational Risk Management for Aeromedical Personnel*, US Navy COMNAVAIRPAC. San Diego, CA. October 2000.
- **Director/Instructor: *Advanced Cardiac Life Support (ACLS)*. Instructor, Various locations. October 1993-present. Course Director, Surface Warfare Medical Institute. San Diego, CA. Sep 2000 and Jul 2005.
- **Course Co-coordinator/Instructor: *Credentials/Privileges, Clinical Programs, Health Promotion, Leadership, Ancillary Services, and Medical Administration*, Senior Medical Officer/Battle Group Medical Officer Course, Naval Operational Medical Institute. San Diego, CA. May 2000.
- **Speaker: *Medical Evacuations, The Medical Officer's Perspective*, Medical Evacuation Conference, Surface Warfare Medical Institute. San Diego, CA. March 1999.
- **Lecturer: *Medical Patients and Emergencies in Commercial Aviation*, CME Program, Medical Clinics, Naval Medical Center, San Diego. San Diego, CA. April 1998.
- **Presenter: *JCAHO for Medical Staff*, Medical Clinics, Naval Medical Center, San Diego. San Diego, CA. February 1998
- **Presenter: *Medical Precautions and Advisories*, Port Call Briefs, CARL VINSON Television, USS CARL VINSON, June 1995–August 1997.
- **Presenter: *The Decision-Making Criteria in Recommending Individuals with Mitral Valve Prolapse to Flight Status in the US Navy, An Analysis*. Aeromedical Advisory Committee, Naval Operational Medical Institute. Pensacola, FL. August 1994.
- **Grand Rounds / Journal Club Coordinator: Naval Operational Medical Institute. Pensacola, FL. September 1993-June 1995.
- **Instructor: *Toxicology, Occupational Health, Medical Surveillance Programs, Operational Medicine, Environmental Medicine, and Health Promotion*, Flight Surgeon Course, Naval Operational Medical Institute. Pensacola, FL. September 1993-June 1995.
- **Grand Rounds Presenter: *Medical Patients and Emergencies in Commercial Aviation*, Meridia Huron Hospital, Cleveland, OH. April 1994.
- **Presenter: *Waivers for Disqualifying Medical Conditions in U.S. Naval Aviation Personnel*, Advisory Group for Aerospace Research and Development. Palma de Mallorca, Spain. April 1994.
- **Presenter: *Women Aboard US Navy Warships*, US Air Force Aeromedical Problems Course. San Antonio, TX. January 1994.

Louis George Gilleran, MD, MPH, MSHS, FACPM, FAsMA, CHCQM-PHYADV

[REDACTED] / [REDACTED]

Medical and Related Employment:

JAN 17-Present: **Epidemiology Outbreak & Tuberculosis Clinic Staff Physician**, San Diego County Health & Human Services. Currently serving as Medical Director for largest Emg Homeless Shelter in US with COVID 19 prevention as primary goal.

OCT 18-Present: **Physician Advisor**-United Health Care Contractor to San Diego Sheriff's Department. Utilization Management, Quality Management.

JUN 2018-Present: Staff Physician **Joseph Allen, MD**, Family and Sports Medicine Practice, San Diego, CA

AUG 18-May 20: **Interim Sheriff's Chief Medical Officer**, San Diego Sheriff's Department. Oversee Medical Care at Detention Facilities (Jails) with inmate population of 7,500.

MAR 11-Present: **Substitute Instructor Group Fitness Classes**, Point Loma Sports Club/MCRD Fitness Center

JAN 90 – SEP 16 **Active Duty US Navy Physician**: Internal & Aerospace Medicine, Flight Surgeon, and General Medical Officer. *Retired as CAPT/O6, Medical Corps, FS, US Navy after 27 years of active duty.*

Jul 09 – Sep 16. **US Navy. Force Surgeon, Commander Naval Air Forces Reserve**, San Diego, CA Responsible for oversight, quality assurance, preventive and clinical services, and manpower of 37 squadron and augmentation unit's Aviation Medicine Departments caring for over 10,000 personnel. Chairman, Medical Executive Committee for 263 privileged providers. Clinical duties at BMC North Island. Deployed to Black Sea Rotational Force 2011 and Operation Enduring Freedom-Afghanistan 2013

Jun 10 – Present. **Physician-Research Member**, Institutional Review Board, Pacific Institute for Research and Evaluation (PIRE). Evaluate research studies for patient safety, ethics and risk/benefit on behalf of Non-profit.

May 12 – DEC 15. **Physician Consultant** for Preventive-Aerospace Medicine to University Disability Consortium

May 08-May 15 – **Volunteer Clinical Professor**, Department of Medicine, University of California-Irvine

Oct 07 – Jul 09. **US Navy. Head, Medical Clinic Marine Corps Recruit Depot**, San Diego, CA. Physician Administrator of large primary care clinic including Mental Health, Optometry, Preventive Medicine, Sports Medicine and Acute Care. Responsible for screening and care of 1,800 base staff and 20,000 recruits per year. Served simultaneously as Head Branch Medical Clinic NTC JAN-NOV 08. Clinical duties at BMC MCRD.

Aug 04 - Oct 07. **US Navy. Officer in Charge, Surface Warfare Medicine Institute**, San Diego, CA. Operational Medicine Instruction. Training of Medical Department Officers for *at sea* duties. Responsible for curriculum development/review, class coordination, resource publication and presentations. Engaged in special projects such as Patient Movement, Flight Surgeon Instruction, etc. Clinical duties at Branch Medical Clinic, Naval Training Center

Sep 02 - Aug 04. **US Navy. Surgeon/Deputy Surgeon, 3d Marine Aircraft Wing**, San Diego, CA. Direct management and administration of over 40 squadron medical departments, including credentials/privileges, Health Promotion, Preventive Medicine, Quality Assurance, training, medical supplies, equipment, pharmaceuticals, manpower and medical care of 15,000 personnel. Deployed to Iraq and Kuwait for Operations Iraqi and Enduring Freedom. Clinical duties at BMC Miramar.

Dec 98-Sep 02. **US Navy. Deputy Force Medical Officer, Commander Naval Air Forces Pacific Fleet**, San Diego, CA. Responsible for oversight (advise, assist and assess) of 6 aircraft carrier medical departments/hospitals and 60 squadron medical departments, management of equipment, staff, privileging,

Louis George Gilleran, MD, MPH, MSHS, FACPM, FAsMA

Medical and Related Employment con't:

directives and planning. Research Coordinator. Quality Assurance Coordinator. Medical Student Coordinator. Editor of BONES, an operational medical newsletter. Clinical duties at BMC North Island.

Aug 97 – Dec 98. **US Navy. Senior Medical Officer, Branch Medical Clinic, Naval Air Station North Island**, San Diego, CA. Physician-Administrator of busy aeromedical / primary care clinic with a staff of 20 physicians, 2 PAs, 4 Nurses, Family Practice Clinic, Mental Health Unit, Optometry Unit, Physical Therapy Clinic, Urgent Care Facility, Ambulance Services and Occupational Health Unit.

Jun 95 – Aug 97. **US Navy. Senior Medical Officer / Battle Group Medical Officer, USS CARL VINSON**, Bremerton, WA. Physician-Administrator of Battle Group, Aircraft Carrier Medical Department and Ship's Hospital aboard a deployed US Naval warship with responsibility for a staff of over 70 personnel and 10,000 sailors aboard 8 ships.

Jun 90 – Aug 92. **US Navy. Senior Flight Surgeon / Internist, Branch Medical Clinic, Naval Air Station New Orleans**, LA. Aeromedical and primary care practice with an emphasis on Prevention, Health Promotion and Occupational Medicine. Medical Reserve Program Manager.

Sep 90 – SEP 92. **Physician, Emergency Medical Services Association of Louisiana**, New Orleans, LA. Provided part-time contract Emergency Medicine coverage at various sites in Louisiana.

Mar 88 – Dec 89. **Medical Officer of the Day, Veterans Administration Hospitals**, Eire, PA. and Brecksville, OH. Part-time House physician.

May 82 – Aug 85. **Medical Writer / Editor, Carol Sibely Medical Editing**, Montclair, NJ. Part-time rewriting publication submissions.

Sep 79 – Sep 80. **Assistant Pathologist, Mountainside Hospital**, Montclair, NJ. Assist in post-mortem exams (gross and microscopic), perform medical photography, and manage/coordinate specimen library

Education:

Graduate Executive Financial Planning Program, Certificate, San Diego State University, Jan 18 – Jun 19.

Master of Science Health Sciences: Emergency & Disaster Management, Trident University International, Summa Cum Laude, Mar 2011

Medical Acupuncturist: Helms Medical Institute - US Navy & Air Force Program. Nov 2009

Preventive/Aerospace Medical Residency, Naval Aerospace and Operational Medical Institute, Pensacola, FL. Jun 1995.

Master of Public Health, Health Systems Management, Tulane University School of Public Health and Tropical Medicine, Summa cum Laude, Aug 1993.

US Navy Flight Surgeon, Naval Aerospace Medical Institute, Pensacola, FL. Jun 1990.

Internal Medicine Residency / Chief Medical Resident, Cleveland Clinic System, OH. Dec 1989.

Medical Degree, Ross University School of Medicine, Dominica, WI. Jan 1987.

Bachelor of Science, Biology, Montclair State University, Montclair, NJ. Magna cum Laude. May 1979.

Louis George Gilleran, MD, MPH, MSHS, FACPM, FAsMA

Medical / Military Training:

Hyperbaric Medical Team Training / Wound Care Course, Dec 16
Navy Aeromedical Course/Conference, JAN 16 and prior years
Alcohol & Drug Abuse Management for Leaders, Apr 2015
Navy Operational Fitness & Fueling System Course, Mar 2013
Navy Health Promotion & Wellness Course, Jul 2012
Human Research Curriculum, Collaborative Institutional Training Initiative, Dec 2007
Clinical Management Team Training, Sep 2007
Homeland Security Medical Executive Course (HLSMEC), Aug 2008
Defense Support of Civil Authorities (DSCA), OCT 2006
Advanced Medical Department Officer Course (AMDOC), Feb 2005
Basic Medical Department Officers Course (BMDOC), Dec 2004
Commander Amphibious Task Force-Surgeon Course, Feb 2004
Military Justice for Senior Officers Course, Dec 2003
Advanced Officer Leadership Training Course, Oct 2003
Tactical Medicine, Gunsite Academy, Dec 2002
Medical Management of Chemical and Biological Casualties, Nov 02
Navy Occ. Hlth and Prev. Med. Workshops, Feb 2005 and prior years
Strategic Medical Readiness Contingency Course, May 1999
Aeromedical Evacuation Course, Mar 1998
The 7 Habits of Highly Effective People, Feb 1999
Navy Customer Relations Training Course, Jan 1998
Multi-Forces Humanitarian Training Course, Oct 1997
Hospital Survey Preparation (JCAHO) Clinic, Sep 1997
Management Development Course, Mar 1997
Team Skills Course, Oct 1995
Fundamentals of Total Quality Leadership, Aug 1995
Senior/Battle Group Medical Officer Course, May 1995 and prior years
Cold Weather Medicine, Mar 1995
Quality Improvement Course, Jan 1995
Medical Effects of Nuclear Weapons, Oct 1994
Radiation Health Indoctrination, Apr 1994
Global Medicine, Feb 1994
Dept. of Transportation, Aircraft Accident Investigation, Feb 1994
Hyperbaric Medical Officer Course, Sep 1993
Combat Casualty Course, Apr 1991

Honors / Awards:

Military: Legion of Merit, Defense Meritorious Service Medal, US Navy/Marine Corps Meritorious Service (6), Commendation, and Achievement (2) Medals. US National Defense Service Medal (2). US Navy Outstanding Volunteer Service Medal. US Coast Guard Special Operations Ribbon. US Navy Expert Pistol Medal. Global War on Terrorism Expeditionary/Service Medal. Afghanistan Campaign Medal. NATO Medal. US Navy Sea Service Ribbon (2). US Navy Expeditionary Forces Ribbon. Presidential Unit Commendation. Navy Unit Commendation, Meritorious Unit Commendation Ribbon (5). Battle Efficiency Ribbon (3). Fleet Marine Force Ribbon. Surface Warfare Medical Officer.

Sonny Carter Memorial Award, Aeromedical Teamwork, Society of US Naval Flight Surgeons. 2012
Delta Omega, Eta Chapter, Public Health Honor Society. 1993
Who's Who in American Colleges and Universities, Tulane University School of Public Health. 1993
"Metropolitan Leadership Forum", New Orleans Metropolitan Area Committee. 1993
US Navy Surgeon Generals Award for Student Flight Surgeon Excellence. 1990
Outstanding Medical Resident, Meridia Huron Hospital. 1989
Sigma Eta Sigma, Math/Science Honor Society. 1976.

Community Service:

CA State Military Reserve, Maritime Command - Disaster Response. 2018-present
House Physician, San Diego Symphony 2002 – Present
Audubon Society, San Diego Chapter Clean-ups 1997 – 2015
Neighborhood Leader American Heart Association, San Diego 2006-2009

Louis George Gilleran, MD, MPH, MSHS, FACPM, FAsMA

Community Service con't:

HOA 214 Elm, President/ Vice President/Treasurer, 1997-2007
Military World Games US Team, Clinical Director, Zagreb Croatia 1999/ Hyderabad India 2007

Professional Organizations:

American College of Preventive Medicine, Fellow
Aerospace Medical Association, Fellow
American Board of Quality Assurance and Utilization Review Physicians, Physician Advisor
Society of US Naval Flight Surgeons, former President, Board of Governors and associate editor *Contact*.
AMSUS | The Society of Federal Health Professionals, Member

Examinations and Licensure:

California, Medical License C51060
Diplomat, American Board of Preventive Medicine-Aerospace Medicine
FAA, Aviation Medical Examiner (military)
BLS
ECFMG certificate, FLEX parts I and II
Certified Spin Instructor, Schwinn Fitness



**APPLICATION FOR SERVING AS A PUBLIC MEMBER ON THE SAN
DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT GOVERNING
BOARD**

INSTRUCTIONS: Please complete this form in its entirety. Note the additional requirements listed at the bottom of the second page.

Please note that this application is a public record subject to disclosure. This application will be maintained for a period of one year. After one year, it is necessary to file a new application for another year of eligibility.

Submit the completed application to the Clerk of the Air Pollution Control District Governing Board at APCDPublicComment@sdcounty.ca.gov or, you may send your application to 10124 Old Grove Road, San Diego, CA 92131

Hurst, PhD

Samantha

Last Name

First Name

The APCD Governing Board meets at times mutually satisfactory to the members. Day meetings are more common than evening meetings. Will you be able to schedule your time accordingly?

☒ Yes

☐ No

What required area of expertise are you seeking to represent on the APCD Governing Board?

☒ Physician/Public Health Professional

☒ Environmental Justice Interests

☐ Science/Technology Background in Air Pollution

Please summarize your experience that demonstrates your interest and proven ability in the field of air pollution control and your understanding of the needs of the general public in connection with the air pollution problems of the County of San Diego.

My application to this board position is supported by both my professional role as a public health research scientist and my volunteer activity as strong environmental justice advocate. My professional work is focused on community health disparities, particularly those in underrepresented and rural populations who face higher exposure to pollutants and who experience greater health deficits in response. Adverse health outcomes result from racism to class bias to housing market costs and also notably the residential proximity to environmental hazards. As an East County resident, I have been actively involved in several areas of environmental advocacy: (1) opposition to the Cottonwood Open Pit Sand Mining, (2) the conservation of Fanita Ranch and opposition to development in very high risk fire zone, (3) the "No Houses" on Carlton Oaks Golf/River project, and (4) the recent assessment of an air toxic "hot spot" located in the Sycamore landfill. All four of these project issues (if not abated) share significant and adverse impacts from air pollution due to residential proximity to environmental hazards that either currently exist or would certainly be triggered if projects (#1,2,3) were approved. My application to this board is to ensure active promotion of environmental health justice and health protection not only to my community but throughout San Diego County where others potentially are affected by harmful exposure.

STATEMENT OF OCCUPATIONAL EXPERIENCE

UCSD - Herbert Wertheim School of Public Health and Longevity Science

Current Employer

Project Scientist

Job Title

Started 5/1/2001

Length of Employment

Previous Employers

Position Title

Length of Employment

NOTE: Membership qualifications for the APCD Governing Board are as follows:

Qualifications. All public members shall reside within the boundaries of the County of San Diego and shall be appointed on the basis of their demonstrated interest and proven ability in the field of air pollution control and their understanding of the needs of the general public in connection with the air pollution problems of the San Diego County. Specific qualifications for each of the three (3) public Board members, as established by Health & Safety Code section 40100.6(a)(4)(A)–(C), are as follows:

1. One public member shall be a **physician or public health professional** actively practicing within the boundaries of the County of San Diego. The member's specialty shall be in the health effects of air pollution on vulnerable populations.
2. One public member shall be a **person representing environmental justice interests** and who works directly with communities within the boundaries of the County of San Diego that are most significantly burdened by, and vulnerable to, high levels of pollution, including communities with diverse racial and ethnic populations and communities with low-income populations. This member may be a resident of that community and have a demonstrated record of community leadership.
3. One public member shall be a **person with a scientific or technical background in air pollution**, such as an environmental engineer, chemist, meteorologist, or air pollution specialist.

By signing below, I declare that the information provided above is accurate and complete to the best of my knowledge.


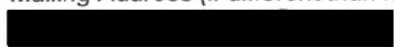



Applicant's Signature

Date

CONTACT INFORMATION

Note: Personal information may be withheld from public view as allowed by law.

Hurst, PhD	Samantha
<hr/>	<hr/>
<i>Last Name</i>	<i>First Name</i>

	Santee	CA	92071
<hr/>	<hr/>	<hr/>	<hr/>
<i>Home Street Address</i>	<i>City</i>	<i>State</i>	<i>Zip</i>
<hr/>	<hr/>	<hr/>	<hr/>
<i>Mailing Address (if different than home address)</i>	<i>City</i>	<i>State</i>	<i>Zip</i>
	La Jolla	CA	92093
<hr/>	<hr/>	<hr/>	<hr/>
<i>Business Street Address</i>	<i>City</i>	<i>State</i>	<i>Zip</i>
<hr/>		<hr/>	<hr/>
<hr/>	<hr/>	<hr/>	<hr/>
<i>Home Phone #</i>	<i>Business Phone #</i>		
	<hr/>		
<hr/>	<hr/>		
<i>Mobile Phone #</i>			
			
<hr/>			
<i>E-Mail Address</i>			

Samantha Hurst, Ph.D., M.A.

Herbert Wertheim School of Public Health and Human Longevity Science
University of California, San Diego

La Jolla, CA 92093-0725

Office:

Mobile:

Email:

EDUCATION

Post-Doctoral Fellowship in Medical Anthropology ■ June 1998-2001, Scripps Research Institute

Doctorate in Biological Anthropology ■ 1997, University of Tennessee, Knoxville

Master of Arts in Anthropology ■ 1990, San Diego State University

Bachelor of Arts in Exercise Physiology ■ 1980, San Diego State University

PERSONAL STATEMENT

My academic training in the sciences and anthropology draws on a wide range of subdiscipline areas - cultural, biological, and medical anthropology – and combines theory with empirical study. My primary research interest underscores vulnerable populations and cross-cultural influences that explore human well-being within the intersection of public health, environment, culture, and social politics. As a qualitative methodologist my focus is guided within a process of naturalistic inquiry to explore and develop understanding of health and illness phenomena and meaning-making agents in individual and community life.

I have served as a co-investigator and consultant on studies covering a broad range of medical disciplines and important health disparity topics -- such as alcohol and drug misuse, tobacco/vape cessation, chronic pain, PTSD and mild traumatic brain injury symptomatology, secondary stroke prevention, residential proximity to environmental toxins, breast and colorectal cancer screening, COVID vaccination distribution. These experiences have afforded me the opportunity to work closely with a significant number of well-respected principal investigators in a variety of medical research areas, both in the U.S. and internationally. These projects have afforded me the privilege of working in many unique cultural and ethnic communities, which include Australian Aborigines, New Zealand Maoris, American Indians, Yoruba of Nigeria, Pacific Islanders, East African refugees, American Muslim, Latino and African American communities, and U.S. military (active duty and veterans).

PROFESSIONAL EXPERIENCE

Research/Consulting

05/91 to 08/91	Research Assistant, Department of Anthropology, National Museum of Natural History - Smithsonian Institution, Washington DC
06/93 to 12/96	Graduate Research Assistant, Graduate School of Medicine, University of Tennessee, Developmental and Genetics Center
05/01 to 12/05	Research Associate, Division of Community Pediatrics, University of California, San Diego,
07/07 to 2019	Research Health Science Specialist (WOC), Department of Research Service, Department of Veterans Affairs Medical Center, San Diego
12/08 to 06/09	Research Associate, Department of Psychiatry, University of California, San Diego
8/1/12 to 02/14	Consultant/Evaluator for the Office of Victims Crime, AI/AN SANE-SART Training Initiative, Southern Indian Health Council, Alpine, California.

07/09 to 06/15	Assistant Project Scientist, Family Medicine and Public Health, Division of Health Policy, University of California, San Diego
07/15 to 06/19	Associate Project Scientist, Family Medicine and Public Health, Division of Behavioral Medicine, University of California, San Diego
07/19 to 10/20	Project Scientist, Family Medicine and Public Health, Division of Behavioral Medicine, University of California, San Diego
11/20 to current	Project Scientist, Herbert Wertheim School of Public Health and Human Longevity Science, Division of Behavioral Medicine, University of California, San Diego

Teaching

08/98 to 6/08	Adjunct Professor, California State University San Marcos, Department of Anthropology
09/99 to 04/01	Lecturer, University of California, San Diego, Department of Anthropology
07/04 to present	Adjunct Professor, Mesa Community College, San Diego, Department of Anthropology
04/07 to 04/10	Lecturer, University of California, San Diego, Department of Anthropology
09/10 to 09/11	Faculty Facilitator for Introduction to Health Care System, University of California, San Diego School of Medicine.
1/15 to present	Faculty, Joint Doctoral Program in Public Health, University of California, San Diego.
9/15 to present	Faculty, UCSD CREST Master's Program in Clinical Health Services Research, University of California, San Diego

PUBLICATIONS:

Peer Reviewed Presentations

Hurst S, C Garcia-Andrade, V Wong, P Lau CL Ehlers (1999). Associations of Alcohol Dependence with Cultural Identification and Perceived Parental Attitudes in Mission Indians. Poster presented at the Research Society of Alcoholism Scientific Meetings, June 1999.

Lefler L and S **Hurst** (2000). Gender Analysis among Native American Youth at a Regional Indian Health Service Treatment Center. Poster presented at the Research Society of Alcoholism Scientific Meetings, June 2000.

Hurst S, D Gilder, P Lau, E Philips, M Walpole, and C Ehlers (2000). Influence of Age and Gender on Patterns of Alcohol Use in California Mission Indians. Poster presented at the Research Society of Alcoholism Scientific Meetings, June 2000.

Hurst, S, D Gilder, P Lau, E Phillips and C Ehlers (2001). Posttraumatic Stress Disorder and Alcohol Dependence in California Mission Indians. Poster presented at the Research Society of Alcoholism Scientific Meetings, June 2001.

Hurst S and LJ Lefler (2001). American Indian Adolescents and Co-Morbidity Treatment Issues. Paper presented at the American Association of Anthropology Meetings, November 2001.

Hurst S (2002). The History of Human Infanticide: Re-Examining the Influence of Cultural Patterns. Poster presented at the San Diego Conference on Child and Family Maltreatment, San Diego, California, February 6, 2003.

Hurst S and P Nader (2004). What Works in Primary Prevention for Indigenous People of the Pacific Rim. Paper accepted at the 18th World Conference on Health Promotion and Health Education, Melbourne, Australia, April 2004.

Hurst S, B Anders, D Sidelinger, G Crummer, G Blaschke, P Nader and V Reznik (2004) All My Relations: Teaching Pediatric Residents in American Indian Communities. Poster presented at the Pediatric Academic Meetings, May 2004.

Bormann, JE, **Hurst S**, Thorp S, Wetherell JL, Golshan S (2008). Mantram Repetition Practice to Manage PTSD in Veterans: A Preliminary Qualitative Analysis. Poster presented at the VA HSR&D National Meeting, "Implementation Across the Nation," Baltimore, MD, February 13-15, 2008.

Bormann, J., **Hurst S**, Thorp, S. Schnack, J., Gershwin, M., Kelly, A., Becker, S., Bone, P. (2009). Spiritual Mantram Practice for Managing Hyperarousal in Veterans with PTSD. Paper presented at the 14th International Conference on Violence, Abuse, and Trauma (IVAT), San Diego, CA.

Bormann JE, **Hurst S**, Thorp SR, Glaser D. (2010). Spiritually-based mantram repetition to manage PTSD in Veterans: A qualitative analysis of use and outcomes. Paper presented at Society of Behavioral Medicine Annual Meeting. April 10, 2010; Seattle, WA.

Bormann JE, **Hurst S**, Thorp S, Kelly A, Bone P, von Kaenel L., Lang, A (2010). Application of a Psycho-Spiritual Mantram Intervention to Manage PTSD Symptoms in Veterans: A Qualitative Analysis. Abstract accepted for the "Implementing a Public Health Model for Meeting the Mental Health Needs of Veterans," conference sponsored by VA Employee Education System and Office of Mental Health Services, July 27, 2010, Baltimore, MD.

Bormann, JE, Thorp S, Wetherell JL, **Hurst S** (2010). Empirical Findings on the Health Benefits of Mantram Repetition: A Portable Contemplative Practice. Paper presented at the American Psychological Association Annual Convention, August 12, 2010, San Diego, CA.

Hurst, S, Calvitti A, Greci L, Ramloll R, Garman K, Beedasy J, Pieper EB, Huang R, Hoffman H, Cardenas M, Kho R, Gates M, Higginbotham E, Porteous T, Agha Z (2011). Towards High-Resolution Ethnography for Evaluation of Team-Oriented Virtual Reality Training for Medicine. Paper presented at "Medicine Meets Virtual Reality 18/ NextMed" Conference, February 10, 2011, Newport Beach, CA.

Bormann J, **Hurst S**, Thorp S, Kelly A, Bone P, von Kaenel L, Lang A (2013). *Mantram Repetition to Manage PTSD in Veterans: A Qualitative Analysis*. Poster for Research and Information Exchange (RI&E) at the Western Institute of Nursing 46th Annual Communicating Nursing Research Conference, Anaheim, CA, April 10-13, 2013.

Pittman JOE, **Hurst, S**, Carol D, Lindamer L, Edwards C, Lohr J. (2013, August). *Factors affecting access to VA mental health services among homeless veterans: A qualitative study*. Presentation at the August 2013 VA Virtual Homeless Online Conference.

Rodgers CS, Vu A, Lindamer L, **Hurst S**, Lang AJ (2013, September). *Providing training in evidence based PTSD psychotherapy for community based providers*. Poster accepted at the 18th annual International Conference & Summit on Violence, Abuse & Trauma. San Diego, CA.

- Hurst S** (2014, April). *Integrated Care in Underserved Ethnic Communities*. Paper presented at the 22th NIMH Conference on Mental Health Services Research (MHSR), “MHSR 2014: Research in Pursuit of a Mental Health Care System.” Natcher Conference Center on the NIH Campus, Bethesda, MD, April 24, 2014.
- Hurst S** (2014, May). *Meeting the Needs of Integrated Care in Underserved Ethnic Communities*. Paper presented at the 4th International Conference on Sociology and Social Work, Davidson Center on the University of Southern California campus, May 20, 2014.
- Hurst S.** (2014, June) *Cultural Competence in an Integrated Healthcare Setting*. Paper presented at AcademyHealth Research Meeting, San Diego, California.
- Rodgers CS, **Hurst S**, Vu A, Lindamer L, & Lang AJ (2014, November). *Dissemination of Evidence Based Treatments for PTSD: A Qualitative Analysis*. Poster accepted at the annual meeting of the International Society of Traumatic Stress Studies, Miami.
- Lang AJ, Casmar P, Good R, **Hurst S**, Essex M, Harrison T, & Negi L (2016, February). *Developing compassion meditation as a PTSD intervention for Veterans*. Poster presented at the Military and Veteran Resiliency Medicine Summit, San Diego, CA.
- Strong DR, Dimofte CV, Leas EC, **Hurst S**, Villaseñor A, Oratowski-Coleman J, Jeong E, Pierce JP. (2016, March) *Appeal of Tobacco Product Packaging: Influences of Removing Brand Imagery at Smoking Research Nicotine and Tobacco 2016 annual meeting*, Chicago, IL.
- Abudu B, Willies-Jacobo L, **Hurst S**, Wooten W, Faine-Sykes N (2016, July). *Hair Care Practices Among African American Women in San Diego*. Accepted Poster presentation at the American Psychological Association Division 45 Research Conference, Stanford University, Palo Alto, CA.
- Lang AJ, Casmar P, Good R, **Hurst S**, Essex M, Harrison T, Negi L. (2016, November). Data-driven Iterative Refinement of Cognitively Based Compassion Training for Veterans with PTSD. In L. Negi (Chair), *Clinical Implications of Cognitively-Based Compassion Training (CBCT)*. Panel presentation at the International Symposium for Contemplative Studies (ISCS), San Diego, CA.
- Lang AJ, **Hurst S**, Good R, Aiello M, Gevirtz R, Casmar P, Essex M, Harrison T, Negi L (2017, April). An Open Trial of Compassion Meditation for PTSD: Initial Results and Mechanisms of Change. In B. Niles (Chair), *Building an Evidence Base for Complementary and Integrative Treatment Approaches for PTSD*. Symposium at the Annual Meeting of the Anxiety and Depression Association of America, San Francisco, CA.
- Mendoza-Vasconez A, Medina A, Munoz M, Larsen B, **Hurst S** (2017). "If We Knew That Exercise Could Be Our Medicine": Perceptions of Latinas in Low-Income Clinics. Poster Presentation at the ACSM's 65th Annual Meeting, 9th World Congress on Exercise is Medicine® and World Congress on the Basic Science of Muscle Hypertrophy and Atrophy. American College of Sports Medicine. Accepted for May 2017.
- Mendoza-Vasconez A, Medina A, Munoz M, Larsen B, **Hurst S** (2017). Perceived benefits, sources of motivation, and facilitators of physical activity among Latinas in low-income clinics. Poster Presentation at the 39th SBM Annual Meeting & Scientific Sessions. Society of Behavioral Medicine, April 2017.
- Mendoza-Vasconez A, Medina A, Munoz M, Larsen, B, **Hurst S.** (2018). "If We Knew That Exercise Could Be Our Medicine": Perceptions of Latinas in Low-Income Clinics. Poster Presentation at the ACSM's 65th Annual

Meeting, 9th World Congress on Exercise is Medicine® and World Congress on the Basic Science of Muscle Hypertrophy and Atrophy. American College of Sports Medicine, May 2018.

Villasenor A, Velloze I, Angebrandt A, Stone M, Oratowski J, Ridenour C, Pulvers K, **Hurst S**, Strong D, Pierce J. (2018). Validating Novel Evaluations of Consumer Reactions to Health Warnings on Cigarette Packaging Designs. Post Presentation for the American Public Health Association Conference, November 2018, San Diego CA.

Hurst S, Chai T, Chae A, Wang J, Oratowski J, Stone, M, Ridenour C, Pulvers K, Villasenor A, Strong D, Pierce J. (2018). Perceptions of cigarette brand packaging: A qualitative study of how different graphic images affect smokers. Post Presentation for the American Public Health Association Conference, November 2018, San Diego CA.

Mendoza-Vasconez A, Arredondo EM, Crespo N, **Hurst S**, Larsen B, Marcus BH, Natarajan L (2019). Demographic, Psychosocial and Environmental Predictors of Time to Lapse/Relapse in Physical Activity Interventions. Poster Presentation at the 39th SBM Annual Meeting & Scientific Sessions. Society of Behavioral Medicine, March 2019.

Wells S, Aarons GA, Glassman LH, Jaime K, Martinez Ceren P, Schnitzer J, Chiong C, Mackintosh MA, Tu X, **Hurst S**, Morland LA (2019). Examining Veterans' Reasons for Dropping out of Prolonged Exposure Therapy: A Mixed-Methods Study. Poster to be presented at the 35th annual meeting of the International Society for Traumatic Stress Studies, Boston, MA, November 2019.

Nodora J, Bradley SM, Taylor JC, **Hurst S**, James A, Gupta S, Liu L, DaCosta C, Hekler E, Rabin BA (2019). Meaningful stakeholder engagement at federally qualified health centers using implementation science and agile science strategies to improve colorectal cancer screening. Poster to be presented at the 12th Annual Conference on the Science of Dissemination and Implementation in Health, Arlington, VA, December 2019.

DaCosta C, Bradley SM, Tucker S, Rabin BA, **Hurst S**, Gupta S, Liu L, Alvarez F, James A⁴, Nodora J (2020). Using a process map to identify workflow and intervention points for colorectal cancer screening in community health centers. Poster to be presented at the 44th Annual American Society of Preventive Oncology Conference, Tucson, AZ, March 2020.

Manuscripts

Hurst S, Nader P (2006) "Building Community Involvement in Cross-Cultural Indigenous Health Programs." *International Journal for Quality in Health Care*, 18(4):294-298.

Ehlers CE, **Hurst S**, Phillips E, Gilder DA, Dixon M, Gross A, Lau P, Yehuda R (2006) "Electrophysiological Responses to Affective Stimuli in American Indians Experiencing Trauma with and without PTSD." *Annals of the New York Academy of Sciences*, 1071:125-136.

Greci LS, Ramloll R, **Hurst S**, Garman K, Beedasy J, Pieper EB, Huang R, Higginbotham E, Agha Z (2013). vTrain: A Novel Curriculum for Patient Surge Training in a Multi-User Virtual Environment (MUVE). *Prehospital and Disaster Medicine*, 28(3):215-222.

Bormann JE, **Hurst S**, Kelly A (2013). Responses to a Mantram Repetition Program from Veterans with posttraumatic stress disorder: A qualitative analysis. *Journal of Rehabilitation Research & Development*, 50(6):769-784.

Owolabi MO, Akinyemi RO, **Hurst S**, Arulogun O, Olaniyan O, Gebregziabher M, et al. (2014) Tailored hospital-based risk reduction to impede vascular events after stroke (THRIVES) study: Qualitative phase protocol. *Critical Pathways in Cardiology*, 12(1):29-35.

Hurst S, Arulogun, SO, Owolabi, MO, Akinyemi, R, Uvere, E, Warth S, Ovbiagele, B (2015). Pretesting Qualitative Data Collection Procedures to Facilitate Methodological Adherence and Team Building in Nigeria. *International Journal of Qualitative Methods*, 14: 53-64.

Olanrewaju O, Owolabi MO, Akinyemi RO, Salako, BL, **Hurst S**, Arulogun O, Gebregziabher M, Uvere E, Ovbiagele B (June 2015) Cost and cost-effectiveness analysis of a bundled intervention to enhance outcomes after stroke in Nigeria: Rationale and design. *eNeurologicalSci*, 1(2):38-45.

Linke, SE, Noble, M, **Hurst S**, Redwine, L, Strong, DR, Norman, SB, & Lindamer, LA (2015). Formative research examining exercise in the context of substance abuse treatment. *Journal of Psychoactive Drugs*. Published online June 22, 2015.

Vijayaraghavan M, **Hurst S**, Pierce JP (2015). A qualitative examination of smoke-free policies and electronic cigarettes among sheltered homeless adults. *American Journal of Health Promotion*, 31(3): 243-250. <http://dx.doi.org/10.4278/ajhp.150318-QUAL-781>.

Vijayaraghavan M, **Hurst S**, Pierce JP (2015). Implementing tobacco control programs in homeless service settings – A Mixed Methods Study. *Health Promotion Practice*, December 17, 2015. <http://dx.doi.org/10.1177/1524839915618364>.

Brockway J, St. De Lore J, Fann JR, Hart T, **Hurst S**, Fey-Hinckley, Savage J, Warren M, Bell KR. (2016). Telephone-delivered problem-solving training after mild traumatic brain injury: Qualitative study of service members' perceptions. *Rehabilitation Psychology*, 61(3):221-230. doi: 10.1037/rep0000077

Mikal JP, **Hurst S**, Conway M (2016) Ethical Issues in using Twitter for Population-Level Depression Monitoring: A Qualitative Study. *BMC Medical Ethics*, 17:22 doi:10.1186/s12910-016-0105-5

Arulogun O, **Hurst S**, Owolabi MO, Akinyemi RO, Uvere E, Saulson R, Ovbiagele B (2016) Experience of using an interdisciplinary task force to develop a culturally sensitive multipronged tool to improve stroke outcomes in Nigeria. *eNeurologicalSci*, 4:10-14. <http://dx.doi.org/10.1016/j.ensci.2016.04.003>

Hurst S, Arulogun O, Owolabi MO, Akinyemi RO, Uvere E, Warth S, Fakunle G, Ovbiagele B (2016) The Use of qualitative methods in developing implementation strategies in prevention research for stroke survivors in Nigeria. *Journal of Clinical Hypertension*, 18(10):1015-1021. doi: 10.1111/jch.12817

Ojeda V, Hiller S, **Hurst S**, Jones N, McMenamin S, Burgdorf J, Gilmer T. Implementation of age specific services for transitional age youth in California (2016). *Psychiatric Services*, 67(9):970-976. <http://dx.doi.org/10.1176/appi.ps.201500084>.

Gilmer T, Henwood B, McGovern N, **Hurst S**, Burgdorf J, Innes-Gomberg D (2017). Health Outcomes and costs associated with the provision of culturally competent services for underrepresented ethnic populations with severe mental illness. *Administration and Policy in Mental Health and Mental Health Services Research*. 44(5):782-791. <https://doi.org/10.1007/s10488-016-0786-6>.

- Ojagbemi A, Owolabi M, Akinyemi RO, Arulogun O, Akinyemi JO, Akpa O, Sarfo F, Uvere E, Saulson R, **Hurst S**, Ovbiagele, B (2017). Prevalence and predictors of anxiety in an African sample of recent stroke survivors. *Acta Neurologica Scandinavica*, 13(6):617-623. DOI:10.1111/ane.12766.
- Mikal J, **Hurst S**, Conway M (2017). Investigating patient attitudes towards the use of social media data to augment depression diagnosis and treatment: a qualitative study. Proceedings of the Fourth Workshop on Computational Linguistics and Clinical Psychology – From Linguistic Signal to Clinical Reality. August 2017 Association for Computational Linguistics, pp 41-47. <http://www.aclweb.org/anthology/W/W17/W17-3105.pdf>
- Pagones R, Lee JL, **Hurst S** (2017). Long-term acupuncture therapy for low-income older adults with multimorbidity: A qualitative study of patient perceptions. *Journal of Alternative and Complementary Medicine*, 24(2):1161-167. DOI:10.1089/acm.2017.0239
- Hurst S**, Maiya M, Casteel D, Sarkin AJ, Libretto S, Elwy AR, Park EL, Groessl EJ (2017). Yoga therapy for military personel and veterans: Qualitative perspectives of yoga students and instructors. *Complementary Therapies in Medicine*. <https://doi.org/10.1016/j.ctim.2017.10.008>
- Akinyemi R, Owolabi M, **Hurst S**, Arulogun O, Ovbiagele B (2017). Baseline data from the first implementation research trial among stroke survivors in Sub-Saharan Africa. [World Congress of Neurology WCN17-2966 Abstract 1085]. *Journal of the Neurological Sciences*, Volume 381, Supplement; 391. (October 15, 2017) <https://doi.org/10.1016/j.jns.2017.08.3320>
- Crist K, Bolling K, Schipperijn J, **Hurst S**, Takemoto M, Sallis JF, Badland H, Kerr J (2017). Collaboration between physical activity researchers and transport planners: A qualitative study of attitudes to data driven approaches. *Journal of Transport & Health*. <http://doi.org/10.1016/j.jth.2017.11.142>.
- Lang AJ, Casmar P, **Hurst S**, Harrison T, Golshan Shahrokh, Good R, Essex M, Negi L (2017). Compassion Meditation for Veterans with Posttraumatic Stress Disorder (PTSD): A Nonrandomized Study. *Mindfulness*. <https://doi.org/10.1007/s12671-017-0866-z>
- Hurst S**, Macauley K, Awdishu L, Sweeney K, Hutchins S, Namba J ... Zheng, A. (2017). An autoethnographic study of interprofessional education partnerships. *Journal of Research in Interprofessional Practice and Education*, 7(1), 1-13. <http://dx.doi.org/10.22230/jripe.2017v7n1a262>
- Takemoto M, Lewars B, **Hurst S**, Crist K, Nebeker C, Madanat H, Nichols J, Rosenberg DE, Kerr J. (2018). Participants' perceptions on the use of wearable devices to reduce sitting time: Qualitative analysis. *Journal of Medical Internet Research*, 6(3): e73. <http://dx.doi.org/10.2196/mhealth.7857>.
- Hurst S**, Conway, M. (April 2018) Exploring physician attitudes regarding electronic documentation of e-cigarette use: A qualitative pilot study. *Tobacco Use Insights*, 11:1-7. <http://doi.org/10.1177971/17137X918737X8128877892>
- Fonseka RW, **Hurst S** (2018). Learning from our mothers: examining the role of intergenerational knowledge transfer in advancing gender equity among Sri Lankan youth. *The Lancet Global Health*, 6(S2):S48.
- Brockway JA, St. DeLore J, Fann JR, Hart T, **Hurst S**, Fey-Hinckley S, Savage J, Warren M, Bell K. (August 2018). Expressions of emotional distress in active duty military personnel with mild traumatic brain injury: A qualitative content analysis. *Military Psychology* 2018, In Press.
- Anderson CAM, Murray KE, Abdi S, **Hurst S**, Sheik-Mohamed A, Begud B, Marcus B, Nebeker C, Sanchez-Flack JC, Bolling K. (December 2018) Community-based participatory approach to identify factors affecting diet

following migration from Africa: The Hawaash Study. *Health Education Journal*.

<https://doi.org/10.1177/0017896918814059>

Almklov E, Afari N, Floto E, Lindamer L, **Hurst S**, & Pittman J (2020). Post-9/11 Veteran Satisfaction with the VA eScreening Program. *Military Medicine*, 185(3):519-529. doi: 10.1093/milmed/usz324

Crouthamel B; Pearson E; Tilford S; Hurst S; PhD; Paul D; Aqtar F; Silverman J; Averbach S (2020). Out-of-clinic and self-managed abortion in Bangladesh: a qualitative study of menstrual regulation providers. Research Square. <https://doi.org/10.21203/rs.3.rs-44841/v1>

Weiner LS, Nagel SM, Su HI, Hurst S, & Hartman SJ (2020). Pink Body Spirit, a remotely delivered, peer-led physical activity intervention for young breast cancer survivors: Protocol for a feasibility study and mixed methods process evaluation. *JMIR Research Protocols*. doi:10.2196/18420

Pierce JP, Strong DR, Stone MD, Villaseñor A, Dimofte CV, Leas EC, Oratowski J, Brighton E, **Hurst S**, Pulvers K, Kealey S, Chen R, Messer K (2020) Real-world exposure to graphic warning labels on cigarette packages in US smokers: The CASA randomized trial protocol. *Contemporary Clinical Trials*, 98. <https://doi.org/10.1016/j.cct.2020.106152>

Malaktaris A, Lange AJ, Casmar P, Baca S, **Hurst S**, Jeste DV, Palmer BW (2020). Pilot study of compassion meditation training to improve well-being among older adults. *Clinical Gerontologist*, <https://doi.org/10.1080/07317115.2020.1839826>

Mendoza-Vasconez AS, Arrendondo EM, Larsen B, Crespo N, **Hurst S**, Marcus Bess (2020). Lapse, relapse, and recovery in physical activity interventions for Latinas: a Survival Analysis. *International Journal of Behavioral Medicine*. <https://doi.org/10.1007/s12529-020-09943-z>

Book Chapters

Hurst, S and J Laird (2005). “Understanding American Indian Youth Violence.” In Preventing Youth Violence in a Multicultural Society. Nancy Guerra and Emily Phillips Smith (Eds.). American Psychological Association.

Lefler, LJ and **S Hurst** (2007) “The Chickasaw Nation of Oklahoma.” In Encyclopedia of Southern Culture (2nd Edition), Charles R. Wilson, et al. eds., Ethnicity Volume, Celeste Ray [Ed]. Chapel Hill, NC: University of North Carolina Press.

UNDER GRADUATE COURSES TAUGHT

Cultural Anthropology	Advanced Principles of Human Evolution
Biological Anthropology	Anthropology of Medicine
People, Culture, and Environment	Healers & Healing Practices
Human Evolution	Alcohol, Addiction, & Culture
Human Osteology	
Forensic Anthropology	

GRADUATE COURSES TAUGHT

The Anthropology of Medicine
Qualitative Research Methods
Introduction to Mixed Methods Research for Public Health

AWARDS

June 2017 “Golden Apple” Excellence in Teaching Award for the Joint Doctoral Program in Public Health UCSD Department of Family Medicine and Public Health

PROFESSIONAL COMMUNITY SERVICE

2017- 2019 Commissioner, City of San Diego Human Relations Commission
2019 Participant, FBI Citizens Academy
2019 - Member, FBI Citizens Academy Alumni Association

PROFESSIONAL ACADEMIC SERVICE

Reviewer:

2004 Ad Hoc reviewer, *Social Science and Medicine Journal*
2006 Ad Hoc reviewer, Canadian Medical Association Journal
2006 Ad Hoc reviewer, Mc-Graw Hill Publishers
2011 Ad Hoc reviewer, British Medical Journal
2011 Ad Hoc reviewer, Biomed Central – Open Access Publisher
2012 Proposal Review for American Evaluation Association Annual Conference 2012
2013 Proposal Review for American Evaluation Association Annual Conference 2013
2014-15 Ad Hoc reviewer for Department of Veterans Affairs, Office of Research & Development, SPIRES
2014-15 Ad Hoc reviewer, Journal of Interpersonal Violence
2016-2020 Member, Federal Advisory Committee Act, for the RR&D Service Scientific Merit Review Board
2017 Ad Hoc reviewer, International Journal of Qualitative Methods
2019 Ad Hoc reviewer, International Journal for Quality in Health Care
2021 Ad Hoc reviewer, Global Advances in Health and Medicine

UCSD Committees:

2011 - current Member, UCSD/FMPH, Center of Excellence for Health Promotion and Equity
2015 - 2018 Board member, African and African-American Studies Research Center (UCSD)
2018 - current Steering Committee member, UCSD Annual Global Empowerment Summit 2018 – A Time to Rise

Invited Lectures/Presentations:

Aug 2008 Invited Speaker, “Reviewing the Risk Factors associated with Violence and Suicide in American Indian Youth.” Summer Institute on Youth Violence Prevention sponsored by the Southern California Academic Center of Excellence on Youth Violence Prevention, University of California, Riverside and the Center on Culture, Immigration, and Youth Violence Prevention, University of California, Berkeley
March 2009 Invited Lecturer, “Methodological Approaches to Community-Based Participatory Research.” Contemporary Issues in Global Health – TWS 198. University of California, San Diego.

June 2010	Invited Moderator and Round Table Discussant, “Looking Back and Look Forward: The Somali Region of the Ogaden in the 21 st Century.” Institute of Horn of Africa Studies and Affairs 2010 Conference sponsored by the University of Minnesota.
Oct 2010	Invited Lecturer, “What Can We Learn from Qualitative Methods?” Pacific College of Oriental Medicine.
April 2011	Invited Lecturer, “Knowledge and Skills Needed for an Effective CBPR Partnership.” Contemporary Issues in Global Health – TWS 198. University of California, San Diego.
July 2011	Invited Speaker, “Qualitative Research: Enhancing Validity and Reliability,” presented to the Center of Excellence for Stress and Mental Health, VA La Jolla Hospital, La Jolla, California.
May 2012	Invited Lecturer, “Community-Based Participatory Research: Practice and Pragmatism.” Contemporary Issues in Global Health – TWS 198. University of California, San Diego.
May 2012	Invited Lecturer, “Qualitative Research: What is it? Why would you use it in your research project?” Pacific College of Oriental Medicine.
Sept 2013	Grand Round Lecturer, “Designing Effective Interventions to Combat the Global NCD Epidemic (The THRIVES Example): What Can We Learn from Qualitative Research?” University College Hospital, Ibadan, Nigeria.
Feb 2014	Cultural Competency Training “Cultural Competence in the Integrated Healthcare Setting: Impacts, Interactions and Relationships.” Los Angeles County Department of Mental Health, Community-Designed Integrated Service Management Model (ISM).
June 2015	Invited Lecturer, “Using Qualitative Methods to Conduct Individual and Focus Group Interviews.” Azusa Pacific University, School of Nursing.
Oct 2015	Invited Lecturer, “The Importance of Community-Based Participatory Research.” University of California, San Diego, Student Chapter of Engineers Without Borders.
Oct 2015	Invited Lecturer, “Principles of Cross Cultural Medicine and Community-Based Participatory Research.” University of California, San Diego, School of Medicine, Asian Pacific Medical Student Association.
Dec 2015	Invited Speaker “Using Qualitative Methods in Practice-Based Research.” Workshop on Practice-Based Research (PBR) and Pragmatic Studies. Hosted by UCSD Department of Family Medicine and Public Health Center for Excellence in Research Training in Integrative Health, and UCSD Clinical and Translational Research Institute, and UCSD Center for Integrative Medicine.
June 2016	Invited Speaker “The Importance of Qualitative Research to Enrich Research Studies.” UCSD Center for Better Beginnings, Division of Dysmorphology and Teratology, Department of Pediatrics.
Nov 2017	Invited Lecturer, “The Importance of Intercultural Sensitivity in Academic-Community Partnerships.” University of California, San Diego, Student Chapter of Engineers Without Borders. Co-lecturer with Provost Ivan Evans.

Student Instructional Activities:

2002-2006	Faculty facilitator for “From Principles to Practice” seminar on Youth Violence Prevention for fourth year medical students at the University of California, San Diego, School of Medicine.
2004-2005	Thesis committee member for Cynthia S. Edwards, Department of Professional Studies – Forensic Sciences Program, National University, San Diego, CA
Summer 2007	Faculty advisor for Allison M. Jermain, Academic Internship Program, UCSD Anthropology, University of California, San Diego. “The Built Environment and Public Health.”
Spring 2008	Faculty advisor for Jessica Nicholas, Academic Internship Program, UCSD - Biology and International Studies, University of California, San Diego.
Spring 2009	Faculty advisor for Hilary Gould, Academic Internship Program, UCSD - Biological Anthropology, University of California, San Diego.

2012-2013	Faculty mentor for Brandon Kuang, Undergraduate Fieldwork Research in Pamplona Alta, Peru for current cervical screening practices by Peruvian women. Funded by the Doris A. Howell Foundation.
2012-2014	Chairperson for Jay Bulloch, Doctoral candidate in Acupuncture and Oriental Medicine, Pacific College of Oriental Medicine, San Diego, CA. "A Critical Analysis of the Learning and Practice Strategies of Traditional Chinese Medicine Practitioners in Treating Trauma."
2013-2016	ISP Committee Member for Brittany Lyng ('16). USCD School of Medicine. "Empowerment Guided Improvement of Sexual Health Education for Women with Sexually Transmitted Diseases at Risk of Domestic Violence."
2015-2017	ISP Committee Member for Adeola Martin ('17). USCD School of Medicine. "Understanding key socioeconomic factors (SEFs) that contribute to poorer cancer outcomes in underserved populations and exploring ways to reduce/eliminate them."
2015-2017	Dissertation Chairperson for Rachel Pagones, Yo San University of Traditional Chinese Medicine, Culver City, CA. "Long-term acupuncture therapy for low-income adults with multi-morbidity: a qualitative study of patient perceptions."
2017-2018	ISP Committee Member for Arissa Ma ('20). USCD School of Medicine. "Parental voluntariness, decisional regret and anxiety during informed consent for pediatric oncology clinical trials."
2017-2018	Dissertation Committee Member for Stephanie Wells. Joint Doctoral Program in Psychology, University of California, San Diego. "Examining Dropout from Prolonged Exposure Therapy in Veterans with Posttraumatic Stress Disorder: A Mixed Methods Study."
2017-2018	ISP Committee Member for Griffin Tyree ('19). UCSD Master of Advanced Studies in Clinical Research. "Syndemic Psychosocial Conditions and HIV Risk Among Persons Addicted to Whoonga in South Africa."
2018-2019	ISP Committee Member for Gabriela Muranevici ('19). UCSD Master of Advanced Studies in Clinical Research. "Gender and Race/Ethnicity differences among Anthropometry and Body Fat Composition measurements in MESA (Multi-Ethnic Study of Atherosclerosis)."
2017-2019	Dissertation Committee Member for Andrea Mendoza-Vasconez. Joint Doctoral Program in Public Health, University of California, San Diego. "Lapse, relapse, and maintenance of physical activity among Latina Women participating in physical activity intervention."
2019-2020	Master's Thesis Committee Member for Jacob Carson. Masters Public Health Program, University of California, San Diego. "Parkour and Intrinsic Motivation: A Mixed Methods Analysis of Self-Determination Theory in an Emerging Youth Sport."
2020	Scholarly Oversight Committee Member for Emily Batton MD. UCSD Pediatric/NICU Residency Program, "Interviewing Parents about Communication with Language Differences in the NICU."
2020	Training Consultant for F31 Proposal Project for Quynh Dam.
2020	Master's Thesis Committee Member for Francisca Rivera. Global Health Program, University of California, San Diego. "Maternal Mental Health: The Compounded Trauma of Migration and Detention."



**APPLICATION FOR SERVING AS A PUBLIC MEMBER ON THE SAN
DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT GOVERNING
BOARD**

INSTRUCTIONS: Please complete this form in its entirety. Note the additional requirements listed on the third page.

Submit the completed application and your resume to the Clerk of the Air Pollution Control District Governing Board at APCDPublicComment@sdcounty.ca.gov or, you may send your application to 10124 Old Grove Road, San Diego, CA 92131. **Applications are due no later than March 23, 2021.**

Oren

Last Name

Eyal

First Name

The APCD Governing Board meets at times mutually satisfactory to the members. Day meetings are more common than evening meetings. Will you be able to schedule your time accordingly?

☒ Yes

☐ No

Have you ever been affiliated with an entity that is regulated by the Air Pollution Control District?

☐ Yes

☒ No

If yes, please list them here:

What required area of expertise are you seeking to represent on the APCD Governing Board?

☒ Physician/Public Health Professional

☐ Environmental Justice Interests

☐ Science/Technology Background in Air Pollution

***Candidates are required to submit evidence of their qualifications by including a resume with this application and may be asked to provide additional information, as needed.**

Please summarize your experience that demonstrates your interest and proven ability in the field of air pollution control and your understanding of the needs of the general public in connection with the air pollution problems of San Diego County.

I am a respiratory health epidemiologist and have extensive experience in epidemiological and clinical research in the field in numerous settings, in working on the effective adoption of interventions in the community as well as in developing evidence-based strategies and practices from secondary data analyses. In my work I have focused strongly on both aspects of air pollution, as well as related health outcomes (lung cancer, asthma, COPD). I have been particularly concerned about the effects of air pollution on health disparities; that is, how pollution may differentially affect susceptible populations or neighborhoods. I have also worked in numerous community-engaged partnerships and settings, with specific work on focus groups and informant interviews to understand public concerns on health issues. Communities are aware of some of the predominant issues in San Diego: San Diego has the sixth worst ozone pollution in the country (2018), and a number of local nonprofits and communities, have created initiatives to reduce ozone pollution in communities affected by poor air quality. Residents understand the relationship between living near highways/transit areas and pollution but feel like they may not be able to take action. Wildfires and weather patterns have also created greater public awareness of pollution and poor air. My work with communities has provided insights into key priorities and understanding which of these might be more immediately actionable. This has occurred through key collaborations on county contracts and federal grants (e.g. recently leading efforts to ramp up COVID-19 testing work in marginalized communities) as well as through direct dissemination of our research findings to key stakeholders (e.g. disparities in air pollution by race/ethnicity, in progress).

STATEMENT OF OCCUPATIONAL EXPERIENCE

San Diego State University

Current Employer

Interim Director, School of Public Health; Associate Professor, Epidemiology

Job Title

07/2017-current

Dates of Employment

Previous Employers

Position Title

Dates of Employment

University of Arizona

Assistant Professor, Epidemiology

01/2013-07/2017

Seattle-King County Public Health

Lead Epidemiologist

07/2004-12/2012

University of Washington

Student researcher

08/2002-06/2004

University of California, San Francisco

Research Associate/Analyst

08/2000-08/2002

List past county appointments with dates served, and other past or present community or public service appointments.

Committee/Organization Name

Dates Served

Medical Committee, Tifereth Israel Congregation

2020-present

Advisory Group, Museum of Contemporary Art San Diego (MCASD)

2021-present

Board of Directors, Owl & Panther (Expressive Arts for Refugees, Tucson)

2014-2017

Health Equity Workgroup, Pima County Health Pima Initiative, Tucson

2013-2017

Membership qualifications for the APCD Governing Board are as follows:

Qualifications. All public members shall reside within the boundaries of San Diego County and shall be appointed on the basis of their demonstrated interest and proven ability in the field of air pollution control and their understanding of the needs of the general public in connection with the air pollution problems of the San Diego County. Specific qualifications for each of the three (3) public Board members, as established by Health & Safety Code section 40100.6(a)(4)(A)–(C), are as follows:

1. One public member shall be a **physician or public health professional** actively practicing within the boundaries of the San Diego County. The member's specialty shall be in the health effects of air pollution on vulnerable populations.
2. One public member shall be a **person representing environmental justice interests** and who works directly with communities within the boundaries of the San Diego County that are most significantly burdened by, and vulnerable to, high levels of pollution, including communities with diverse racial and ethnic populations and communities with low-income populations. This member may be a resident of that community and have a demonstrated record of community leadership.
3. One public member shall be a **person with a scientific or technical background in air pollution**, such as an environmental engineer, chemist, meteorologist, or air pollution specialist.

NOTE: Public members will be appointed by the San Diego County Air Pollution Control District Governing Board. Each public member will serve a four-year term and is entitled to receive compensation for participation on the Governing Board. Please review [Assembly Bill 423 \(AB 423\) SEC. 6. Section 40100.6](#) for details.

Please note that this application is a public record subject to disclosure. This application will be maintained for a period of one year.

By signing below, I declare that the information provided above is accurate and complete to the best of my knowledge.

Eyal Oren, Ph.D.

Applicant's Name

Eyal Oren

Applicant's Signature

03/22/2021

Date

CONTACT INFORMATION

<u>Oren</u> <i>Last Name</i>	<u>Eyal</u> <i>First Name</i>
---------------------------------	----------------------------------

Note: Personal information may be withheld from public view as allowed by law.

<u>[REDACTED]</u> <i>Home Street Address</i>	<u>San Diego</u> <i>City</i>	<u>CA</u> <i>State</i>	<u>92119</u> <i>Zip</i>
<u>[REDACTED]</u> <i>Mailing Address (if different than home address)</i>	<u>San Diego</u> <i>City</i>	<u>CA</u> <i>State</i>	<u>92182</u> <i>Zip</i>
<u>[REDACTED]</u> <i>Business Street Address</i>	<u>San Diego</u> <i>City</i>	<u>CA</u> <i>State</i>	<u>92182</u> <i>Zip</i>
<u>[REDACTED]</u> <i>Home Phone #</i>	<u>[REDACTED]</u> <i>Business Phone #</i>		
<u>[REDACTED]</u> <i>Mobile Phone #</i>			
<u>[REDACTED]</u> <i>E-Mail Address</i>			



EYAL OREN, Ph.D., M.S.
Epidemiology and Biostatistics
School of Public Health
San Diego State University

San Diego, CA 92182-1308

Ph:

Email:

2010
Ph.D.

University of Washington
Epidemiology (Advisor: Dr. Jonathan Mayer)

2004
M.S.

University of Washington
Epidemiology (Advisors: Drs. Nicholas Smith/Bruce Psaty)

2004
Certificate in International Health

University of Washington

1998
B.A.

Cornell University, New York
Distinction, Neurobiology and Behavior;
Concentration in Cognitive Science

ACADEMIC POSITIONS

2020 – Present
San Diego State University, CA

Interim Director
School of Public Health (SPH)

2020 – 2021
San Diego State University, CA

Associate Director, Academic Affairs
School of Public Health (SPH)

2017 – Present
San Diego State University, CA

Associate Professor
Division of Epidemiology and Biostatistics, SPH

2017 – Present
San Diego State University, CA

Core Investigator, Institute for Behavioral and
Community Health

2017 – Present
University of California, San Diego, CA

Associate Member, Moores Cancer Center

2017 – Present University of California, San Diego, CA	Member, Clinical & Translational Research Institute
2017 – Present San Diego State University, CA	Affiliated Research Faculty, Center for Human Dynamics in the Mobile Age
2017 – Present San Diego State University, CA	Member/Affiliate Investigator Hispanic Community Health Study/Study of Latinos
2017 – 2019 University of Arizona, Tucson, AZ	Affiliate Associate Professor Department of Epidemiology and Biostatistics
2016 – 2018 University of Arizona Cancer Center	Affiliated Faculty Psychology Health Track
2015 – 2018 University of Arizona, Tucson, AZ	Assistant Professor School of Geography and Development (NTE)
2014 – 2017 University of Arizona, Tucson, AZ	Affiliated Faculty Graduate Interdisciplinary Program
2013 – 2017 University of Arizona, Tucson, AZ	Affiliated Faculty Institute of the Environment
2013 – 2017 University of Arizona, Tucson, AZ	Assistant Professor, TE Department of Epidemiology and Biostatistics, Mel and Enid Zuckerman College of Public Health
2011 – Present University of Washington, Seattle, WA	Affiliate Associate Professor Department of Epidemiology and Health Services
2008 – 2012 Curry International TB Center, San Francisco	Faculty Epidemiology

Professional Positions

2004-2012	Lead Epidemiologist, Tuberculosis Control Program, Seattle-King County Public Health
2005-2012	Outbreak Prevention and Control Coordinator, Seattle-King County Public Health
2002-2004	Research Assistant, Cardiovascular Health Research Unit, University of Washington
2003	Research Assistant, Northwest Center for Public Health Practice, University of Washington
2000-2002	Research Associate/Analyst, Institute for Health Policy Studies, Department of Clinical Pharmacy, University of California, San Francisco, CA

PROFESSIONAL GROWTH

Book Chapters

1. **Oren E.** and McDermid, J. (2017) Tuberculosis. In: Taren D, de Pee S, Bloem M (Eds.) *Nutrition and Health in a Developing World*. Springer, New York: 385-412.

2. **Oren E.** (2016) Health Disparities and Tuberculosis. In: Gerald LB, Berry CE (Eds.) *Health Disparities in Respiratory Medicine*. Springer, New York: 207-235.

Refereed Journal Articles (n=100, Google Scholar h-index: 48; ISI Web of Knowledge h-index: 32)

1. ATS Guidelines Workgroup, Assembly of Pulmonary Infection and Tuberculosis, including **Oren E.** Nucleic Acid-Based Testing for Non-influenza Viral Pathogens in Adults with Suspected Community Acquired Pneumonia (In Press, *Am J Respir Crit Care Med*). **(17.452^{IF})**
2. ****Bui D, Oren E,** Brown H, Harris R, Grandjean L. Community Transmission of Multidrug-resistant Tuberculosis is associated with Activity Space Overlap in Lima, Peru (In Press, *BMC Infectious Diseases*) **(2.949^{IF})**
3. Gershon AS, Lindenauer PK, Wilson KC, Rose L, Walkey AJ, Sadatsafavi M, Anstrom KJ, Au DH, Bender BG, Brookhart MA, Dweik RA, Han MK, Joo MJ, Lavergne V, Mehta AB, Miravittles M, Mularski RA, Roche N, **Oren E,** Riekert KA, Schoenberg NC, Stukel TA, Weiss CH, Wunsch H, Africk JJ, Krishnan JA. Informing Healthcare Decisions with Observational Research Assessing Causal Effect. An Official American Thoracic Society Research Statement. *Am J Respir Crit Care Med*. 2021 Jan 1;203(1):14-23. doi: 10.1164/rccm.202010-3943ST. PMID: 33385220. **(17.452^{IF})**
4. **Oren E,** Pulvers K, Barber C, Romero DR, Novotny, TE. Design and Methods of a Randomized Cross-over Clinical Trial of Unfiltered Cigarettes on Smoking Behavior and Toxic Exposure. *JMIR Research Protocols*, 2020. ;9(12):e19603. <https://www.researchprotocols.org/2020/12/e19603>
5. GBD 2019 Viewpoint Collaborators, including **Oren E.** Five insights from the Global Burden of Disease Study 2019. *Lancet*, 2020. 396: 1135–59. **(53.254^{IF})**
6. **Oren E,** Martinez L, Islam T, Hensley E, Jain P, Nara, A, Tsou, M. Twitter Communication during an Infectious Disease Outbreak: The Case of Hepatitis A in San Diego, 2016-2018. *American Journal of Public Health*, 2020. 110(S3), pp. S348–S355. **(5.381^{IF})**
7. **Oren E,** Martinez FM. Stress and Asthma: Physiologic manifestations and clinical implication. *Annals of Allergy, Asthma and Immunology*, 2020. doi: <https://doi.org/10.1016/j.anai.2020.07.022> **(3.560^{IF})**
8. Chief C, Yazzie A, Sanderson P, McKinley A, Willetto A, Trujillo J, Harris R, **Oren E.** "Nobody is talking about it": Diné (Navajo) communities speak about stomach cancer and *Helicobacter pylori* infections. *Journal of Cancer Education*, 2020. <https://doi.org/10.1007/s13187-020-01831-0> **(1.576^{IF})**
9. Local Burden of Disease Project Collaborators, including **Oren E.** Mapping geographical inequalities in oral rehydration therapy coverage in low-income and middle-income countries, 2000–17. *Lancet Global Health*, 2020. 8:8, e1038-e1060. **(21.597^{IF})**
10. Koslik HJ, Joshua J, Cuevas-Mota J, Goba D, **Oren E,** Alcaarez JE, Garfein RS. Prevalence and correlates of obstructive lung disease among people who inject drugs, San Diego, California, *Drug and Alcohol Dependence*, 2020. 214: 108158 **(3.951^{IF})**
11. LBD Double Burden of Malnutrition Collaborators including **Oren E.** Mapping local patterns of childhood overweight and wasting in low- and middle-income countries between 2000 and 2017. *Nat Med*. 2020 May;26(5):750-759. doi: 10.1038/s41591-020-0807-6. Epub 2020 Apr 20. **(36.130^{IF})**
12. GBD Chronic Respiratory Disease Collaborators, including **Oren E.** Prevalence and attributable health burden of chronic respiratory diseases, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. *Respiratory Medicine*, 2020. 8(6): 585-596 **(3.237^{IF})**
13. Malo, J, Holbrook E, Zangeneh T, Strawter C, **Oren E,** et al. Comparison of three anti-coccidioides antibody enzyme immunoassay kits for the diagnosis of coccidioidomycosis. *Medical Mycology*, 2020. 1-5. doi:10.1093/mmy/myz125 **(2.851^{IF})**
14. Global Burden of Disease Collaborators, including **Oren E.** The global, regional, and national burden of stomach cancer in 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease study 2017. *Lancet Gastroenterology & Hepatology*, 2020. 5(1):42-54 [https://doi.org/10.1016/S2468-1253\(19\)30328-0](https://doi.org/10.1016/S2468-1253(19)30328-0) **(12.856^{IF})**

15. Global Burden of Disease 2017. Lower Respiratory Infections Collaborators, including **Oren E**. Quantifying risks and interventions to prevent and protect against lower respiratory infection health-loss among children under-5 years old: An analysis of the Global Burden of Disease study 2017. *Lancet Infectious Diseases*, 2020. 20:60-79. **(25.148^{IF})** [https://doi.org/10.1016/S1473-3099\(19\)30410-4](https://doi.org/10.1016/S1473-3099(19)30410-4)
16. Brown HE, Dennis LK, Lauro P, Jain P, Pelley E, **Oren E**. Emerging Evidence for Infectious Causes of Cancer in the United States. *Epidemiologic Reviews*, 2019. doi.org/10.1093/epirev/mxz003 **(10.383^{IF})**
17. Local Burden of Disease Project Collaborators, including **Oren E**. Mapping 132 million neonatal, infant, and child deaths between 2000 and 2017. *Nature*, 2019. 574: 353–358. **(45.819^{IF})**
18. Global Burden of Disease Collaborators, including **Oren E**. Global, Regional, and National Cancer Incidence, Mortality, Years of Life Lost, Years Lived with Disability, and Disability-Adjusted Life Years for 29 Cancer Groups, 1990 to 2017: A Systematic Analysis for the Global Burden of Disease Study. *JAMA Oncology*, 2019. doi: 10.1001/jamaoncol.2019.2996. **(20.871^{IF})**
19. Global Burden of Disease Collaborators, including **Oren E**. Global, regional, and national incidence, prevalence, and mortality of HIV from 1980 to 2017 with forecasts to 2030, for 195 countries and territories: a systematic analysis for the Global Burden of Diseases, Injuries, and Risk Factors (GBD) 2017 Study. *Lancet HIV*. 2019. pii: S2352-3018(19)30196-1. **(9.842^{IF})**
20. **Florea A, Brown H, Harris RB, **Oren E**. Ethnic Disparities in Gastric Cancer Presentation and Screening Practice in the US: An Analysis of 1997-2010 SEER-Medicare Data. *Cancer Epidemiology, Biomarkers and Prevention*. 2019. 28 (4): 659-665. **(4.125^{IF})**
* Featured as Editor's Highlight
21. Global Burden of Disease Study 2016 Collaborators, including **Oren E**. Global, regional, and national burden of neurological disorders, 1990-2016: a systematic analysis for the Global Burden of Disease study 2016. *The Lancet Neurology*. 2019. pii: S1474-4422(18)30499-X. **(27.144^{IF})**
22. **Valdez LA, Garcia DO, Ruiz J, **Oren E**, Carvajal S. Understanding Social and Cultural Contexts of Alcohol Abuse in Mexican-Origin Hispanic Men. *Health Education & Behavior*, 2019.
<https://doi.org/10.1177/1090198119826212> **(2.396^{IF})**
23. American Thoracic Society Assembly on Pediatrics including **Oren E**. Home Oxygen Therapy for Children: An Official ATS Clinical Practice Guideline. *Am J Respir Crit Care Med*, 2019.199(3):e5-e23. **(15.239^{IF})**
24. Stoesslé P, González-Salazar F, Ayala SP, **Oren, E**. Tuberculosis risk factors and knowledge among undocumented migrants in Northeast Mexico. *Migration and Health*, 2019. 107-133.
25. Global Burden of Disease 2017 Lower Respiratory Infections Collaborators, including **Oren E**. Mortality, morbidity, and hospitalisations due to influenza lower respiratory tract infections, 2017: an analysis for the Global Burden of Disease Study 2017. *The Lancet Respiratory Medicine*, 2019. 7(1):69-89. [https://doi.org/10.1016/S2213-2600\(18\)30496-X](https://doi.org/10.1016/S2213-2600(18)30496-X). **(21.466^{IF})**
26. Global Burden of Disease Study 2016 Collaborators, including **Oren E**. Global, regional, and national burden of tuberculosis from 1990 to 2016: results from the Global Burden of Diseases, Injuries, and Risk Factors (GBD) 2016 Study. *The Lancet Infectious Diseases*, 2018. 18(12): 1329-1349. **(25.148^{IF})**
27. Global Burden of Disease Study 2017 Collaborators, including **Oren E**. Global, regional, and national disability-adjusted life-years (DALYs) for 359 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet*, 2018. 10;392(10159):1859-1922. **(53.254^{IF})**
28. Gupta S, Tao L, Murphy J, Constanza Camargo, M, **Oren E**, Valasek M, Gomez S, Martinez ME. Race, Ethnicity, Socioeconomic Status and Anatomic Subsite-specific Risk for Gastric Cancer. *Gastroenterology*. 2018. pii: S0016-5085(18)35041-8. DOI: 10.1053/j.gastro.2018.09.045 **(20.877^{IF})**
29. GBD 2016 Lower Respiratory Infections Collaborators, including **Oren E**. Estimates of the global, regional, and national morbidity, mortality, and aetiologies of lower respiratory tract infections in 195 countries: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet Infect Dis*. 2018. Sep 19. pii: S1473-3099(18)30310-4. doi: 10.1016/S1473-3099(18)30310-4. **(25.148^{IF})**

30. ** Kohler LN, Harris RB, **Oren E**, Roe DJ, Lance P, Jacobs ET. Adherence to nutrition and physical activity cancer prevention guidelines and development of colorectal adenoma. *Nutrients*. 2018. 10, 1098; doi:10.3390/nu10081098 **(4.196^{IF})**
31. Global Burden of Disease Study 2018 Collaborators, including **Oren E**. Measuring performance on the Healthcare Access and Quality Index for 195 countries and territories and selected subnational locations: a systematic analysis from the Global Burden of Disease Study 2016. *Lancet*, 2018. 391 (10136):2236–71, doi: 10.1016/S0140-6736(18)30994-2. **(53.254^{IF})**
32. **Bui D, **Oren E**, Roe DJ, Brown H, Harris R, Knight G, Gilman R, Grandjean L. A Case Control Study to Identify Community Venues Associated with Genetically Clustered Multidrug Resistant Tuberculosis Disease in Lima, Peru. *Clinical Infectious Diseases*. 2018. doi: 10.1093/cid/ciy746. **(9.117^{IF})**
33. Valdez LA, Garcia DO, Ruiz J, **Oren E**, Carvajal S. Exploring Structural, Sociocultural, and Individual Barriers to Alcohol Abuse Treatment Among Hispanic Men. *American Journal of Men's Health*. 2018. doi: 10.1177/1557988318790882. **(1.234^{IF})**
34. Global Burden of Disease Study 2016 Collaborators, including **Oren E**. Alcohol use and burden: a systematic analysis from the Global Burden of Disease Study 2016 for 195 countries and territories, 1990–2016. *The Lancet*. 2018. 392 (10152): 1015-35. **(53.254^{IF})**
35. Global Burden of Disease Study 2016 Collaborators, including **Oren E**. The State of US Health: Burden of Diseases, Injuries, and Risk Factors among US States, 1990-2016. *JAMA*. 2018. 319(14):1444-1472. **(47.661^{IF})**
36. **Oren E**, Frere J, Yom-Tov E, Yom-Tov E. Respiratory syncytial virus tracking using internet search engine data. *BMC Public Health*. 2018. 18:445. <https://doi.org/10.1186/s12889-018-5367-z> **(3.039^{IF})**
37. Proaño A, Bui D, López JW, Vu NM, Bravard MA, Lee GO, Tracey BH, Xu Z, Comina G, Ticona E, Mollura DJ, Friedland JS, Moore DAJ, Evans CA, Caligiuri P, Gilman RH; Tuberculosis Working Group in Peru, including **Oren E**. Cough Frequency During Treatment Associated with Baseline Cavitory Volume and Proximity to the Airway in Pulmonary Tuberculosis. *Chest*. 2018. Mar 17. pii: S0012-3692(18)30413-6. doi: 10.1016/j.chest.2018.03.006. **(7.132^{IF})**
38. **Barnes S, Wansaula Z, Herrick K, **Oren E**, Ernst K, Olsen S, Casal M. Mortality Estimates among Adult Patients with Severe Acute Respiratory Infections from two Sentinel Hospitals in Southern Arizona, United States, 2010-2014. *BMC Infectious Diseases*, 2018. 18 (78). <https://doi.org/10.1186/s12879-018-2984-1> **(2.949^{IF})**
39. LaCourse SM, Cranmer LM, Bekker A, Steingart KR, Black D, Horne DJ, **Oren E**, Pals S, Modi S, Mathad J. Symptom screening for active tuberculosis in pregnant women living with HIV (Protocol) *Cochrane Database of Systematic Reviews*, 2018. Issue 1. Art. No.: CD012934. DOI: 10.1002/14651858.CD012934. **(6.754^{IF})**
40. **Valdez LA, Flores M, Garcia DO, Ruiz J, **Oren E**, Carvajal S. Gender and Cultural Adaptations for Diversity: A Systematic Review of Alcohol and Substance Abuse Interventions for Latino Males. *Substance Use and Abuse*, 2018. 24:1-16. <https://doi.org/10.1080/10826084.2017.1417999>. **(1.132^{IF})**
41. Global Burden of Disease Study 2016 Collaborators, including **Oren E**. The global burden of tuberculosis: results from the Global Burden of Disease Study 2015. *The Lancet Infectious Diseases*, 2017. [http://dx.doi.org/10.1016/S1473-3099\(17\)30703-X](http://dx.doi.org/10.1016/S1473-3099(17)30703-X). **(25.148^{IF})**
42. Global Burden of Disease Study 2016 Collaborators, including **Oren E**. Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. *The Lancet*, 2017. 390 (10100): 1345-1422. **(53.254^{IF})**
43. Global Burden of Disease Study 2016 Collaborators, including **Oren E**. Global, regional, and national disability-adjusted life-years (DALYs) for 333 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. *The Lancet*, 2017. 390 (10100): 1260-1344. **(53.254^{IF})**

44. Global Burden of Disease Study 2016 Collaborators, including **Oren E**. Global, regional, and national incidence, prevalence, and years lived with disability for 328 diseases and injuries for 195 countries, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. *The Lancet*, 2017. 390 (10100): 1211-1259. **(53.254^{IF})**
45. Global Burden of Disease Study 2016 Collaborators, including **Oren E**. Global, regional, and national age-sex specific mortality for 264 causes of death, 1980-2016: a systematic analysis for the Global Burden of Disease Study 2016. *The Lancet*, 2017. 390 (10100): 1151-1210. **(53.254^{IF})**
46. Global Burden of Disease Study 2016 Collaborators, including **Oren E**. Global, regional, and national under-5 mortality, adult mortality, age-specific mortality, and life expectancy, 1970-2016: a systematic analysis for the Global Burden of Disease Study 2016. *The Lancet*, 2017. 390 (10100): 1084-1150. **(53.254^{IF})**
47. Global Burden of Disease Study 2016 Collaborators, including **Oren E**. Measuring progress and projecting attainment on the basis of past trends of the health-related Sustainable Development Goals in 188 countries: an analysis from the Global Burden of Disease Study 2016. *The Lancet*, 2017. 390 (10100): 1423-1459. **(53.254^{IF})**
48. Global Burden of Disease Study 2015 Collaborators, including **Oren E**. Global, regional, and national deaths, prevalence, disability-adjusted life years, and years lived with disability for chronic obstructive pulmonary disease and asthma, 1990-2015: a systematic analysis for the Global Burden of Disease Study 2015. *Lancet Respir Med*. 2017 Aug 16. pii: S2213-2600(17)30293-X. doi: 10.1016/S2213-2600(17)30293-X. **(21.466^{IF})**
49. Global Burden of Disease Study 2015 Collaborators, including **Oren E**. Burden of lower respiratory infections in the Eastern Mediterranean Region between 1990 and 2015: Findings from the Global Burden of Disease 2015 study. *International Journal of Public Health*, 2017. doi: 10.1007/s00038-017-1007-0 **(2.617^{IF})**
50. Driscoll L, Harris R, Brown HE, **Oren E**. Population Knowledge, Attitude and Practice regarding *Helicobacter pylori* Transmission and Outcomes: A Literature Review. *Frontiers in Public Health*, 2017. 5:144. doi: 10.3389/fpubh.2017.0014 **(1.28^{IF})**
51. **Murakami T, Scranton R, Brown H, Harris RB, Chen Z, Musuku S, **Oren E**. Management of *Helicobacter Pylori* in the United States: Results from a National Survey of Gastroenterology Physicians. *Preventive Medicine*, 2017. 100: 216-222. **(3.434^{IF})**
52. Global Burden of Disease Study 2015 Collaborators, including **Oren E**. Estimates of the global, regional, and national morbidity, mortality, and aetiologies of lower respiratory tract infections in 195 countries: a systematic analysis for the Global Burden of Disease Study 2015. *Lancet Infectious Diseases*, 2017. pii: S1473-3099(17)30396-1. **(25.148^{IF})**
53. **Oren E**, Bell ML, Garcia F, Perez-Velez C, Gerald LB. Promoting Adherence to Treatment for Latent TB Infection through Mobile Phone Text Messaging: Study Protocol for a Pilot Randomized Controlled Trial. *Pilot and Feasibility Trials*, 2017. 3(15) DOI: 10.1186/s40814-017-0128-9.
54. **Osuchukwu O, Blust R, Nuñez M, Ehiri J, Rosales C, Hawkins E, Aviles J, Gonzalez-Salazar F, **Oren E**. Acceptability of Latent Tuberculosis Infection Screening among Migrant Farmworkers in Yuma-San Luis, Arizona. *International Migration*, 2017. 55(5): 62-74. **(0.773^{IF})**
55. Global Burden of Disease Study 2015 Collaborators, including **Oren E**. Healthcare Access and Quality Index based on mortality from causes amenable to personal healthcare in 195 countries and territories, 1990–2015: a novel analysis from the Global Burden of Disease 2015 study *Lancet*, 2017. 390 (10091):231–66, doi: 10.1016/S0140-6736(17)30818-8. **(53.254^{IF})**
56. Jamil SM, **Oren E**, Garrison GW, Srikanth S, Lewinsohn DM, Wilson KC, Thomson CC. Clinical Practice Guideline: Summary for Clinicians - Diagnosis of Tuberculosis in Adults and Children. *Annals of the American Thoracic Society*, 2017. 14(2): 275-8. **(4.006^{IF})**
57. **Kohler LN, Hibler EA, Harris RB, **Oren E**, Roe DJ, Jurutka PW, Jacobs ET. Greater adherence to cancer prevention guidelines is associated with higher circulating concentrations of vitamin D

metabolites in a cross-sectional analysis of pooled participants from two chemoprevention trials. *Journal of Nutrition*, 2017. doi: 10.3945/jn.116.243352 **(4.145^{IF})**

* Featured as Editor's Choice, 147(3)

58. Malo J, Holbrook E, Zangeneh T, Strawter C, **Oren E**, Robey I, Erickson H, Chahal R, Durkin M, Thompson C, Hoover S, Ampel NM, Wheat J, Knox K. Enhanced antibody detection and diagnosis of coccidioidomycosis with the Miravista IgG and IgM antibody enzyme immunoassay *Journal of Clinical Microbiology*, 2017. 55: 1-9. **(4.054^{IF})**
59. Global Burden of Disease Study 2015 Collaborators, including **Oren E**. Global, regional and national cancer incidence, mortality, years of life lost, years lived with disability and disability-adjusted life years for 32 cancer groups, 1990 to 2015: a systematic analysis for the Global Burden of Disease Study 2015. *JAMA Oncology*, 2016. doi:10.1001/jamaoncol.2016.5688 **(20.871^{IF})**
60. **Oren E**, Fiero M, Nuñez M, Barrett E, Hawkins E, Gonzalez-Salazar F. Detection of latent tuberculosis infection among migrant farmworkers. *BMC Infectious Diseases*, 2016. 16:630 DOI 10.1186/s12879-016-1959-3 **(2.949^{IF})**
61. Bime C, Fiero M, Lu Z, **Oren E**, Berry CE, Parthasarathy S, Garcia JGN. High Positive End Expiratory Pressure is Associated with Improved Survival in Obese Patients with Acute Respiratory Distress Syndrome. *American Journal of Medicine*, 2016. <http://dx.doi.org/10.1016/j.amjmed.2016.09.029> **(5.003^{IF})**
62. **Oren E**, Gerald LB, Stern DA, Martinez FD, Wright AL. Self-reported Stressful Life Events during Adolescence and Asthma. *JACI In Practice*, 2016. pii: S2213-2198(16)30416-0. doi: 10.1016/j.jaip.2016.09.019 **(6.966^{IF})**
63. **Hansen V, **Oren E**, Dennis L, Brown, H. Infectious Disease Mortality Trends in the United States. *JAMA*, 2016. 316 (20): 2149-51. **(47.661^{IF})**
64. Global Burden of Disease Study 2015 Collaborators, including **Oren E**. Global, regional, and national levels of maternal mortality, 1990–2015: a systematic analysis for the Global Burden of Disease Study 2015. *The Lancet*, 2016. 388 (10053): 1775-812. **(53.254^{IF})**
65. Global Burden of Disease Study 2015 Collaborators, including **Oren E**. Global, regional, national, and selected subnational levels of stillbirths, neonatal, infant, and under-5 mortality, 1980–2015: a systematic analysis for the Global Burden of Disease Study 2015. *The Lancet*, 2016. 388 (10053): 1725-74. **(53.254^{IF})**
66. Global Burden of Disease Study 2015 Collaborators, including **Oren E**. Global, regional, and national disability-adjusted life-years (DALYs) for 315 diseases and injuries and healthy life expectancy (HALE), 1990–2015: a systematic analysis for the Global Burden of Disease Study 2015. *The Lancet*, 2016. 388 (10053): 1603–58. **(53.254^{IF})**
67. Global Burden of Disease Study 2015 Collaborators, including **Oren E**. Global, regional and national comparative risk assessment of 79 behavioural, environmental and occupational, and metabolic risks or clusters of risks in 195 countries, 1990-2015: a systematic analysis for the Global Burden of Disease Study 2015. *The Lancet*, 2016. 388 (10053): 1659-724. **(53.254^{IF})**
68. Global Burden of Disease Study 2015 Collaborators, including **Oren E**. Global, regional, and national life expectancy, all-cause and cause-specific mortality for 249 causes of death, 1980–2015: a systematic analysis for the Global Burden of Disease Study 2015. *The Lancet*, 2016. 388 (10053): 1459–544. **(53.254^{IF})**
69. Global Burden of Disease Study 2015 Collaborators, including **Oren E**. Measuring the health-related Sustainable Development Goals in 188 countries: A baseline analysis from the Global Burden of Disease Study 2015. *The Lancet*. 2016. 388 (10053): 1813-1850. **(53.254^{IF})**
70. Global Burden of Disease Study 2015 Collaborators, including **Oren E**. Estimates of global, regional, and national incidence, prevalence, and mortality of HIV, 1980–2015: the Global Burden of Disease Study 2015. *The Lancet HIV*, 2016. 3(8): e361-87. **(9.842^{IF})**
71. Mitnick CD, Rodriguez CA, Hatton ML, Brigden G, **Oren E** et al. Programmatic Management of Drug-

- Resistant Tuberculosis: An Updated Research Agenda. *Plos One*. 2016. 11(5):e0155968. **(2.766^{IF})**
72. ** Kohler LN, Garcia DO, Harris RB, **Oren E**, Roe DJ, Jacobs ET. Adherence to Diet and Physical Activity Cancer Prevention Guidelines and Cancer Outcomes: A Systematic Review. *Cancer Epidemiology, Biomarkers and Prevention*. 2016. 25(7): 1018-1028. **(4.125^{IF})**
 73. **Fiero M, Huang S, **Oren E**, Bell ML. Statistical analysis and handling of missing data in cluster randomized trials: a systematic review. *Trials*. 2016; 17 (72). DOI: 10.1186/s13063-016-1201-z **(2.343^{IF})**
- * Featured Article
74. Li Y, Ehiri J, Hu D, **Oren E**, Cao J. Framework of behavioral indicators for outcome evaluation of TB health promotion: a Delphi study of TB policy makers and health workers. *Infectious Diseases of Poverty*. 2015; 4(1). DOI:10.1186/s40249-015-0087-4 **(3.126^{IF})**
 75. **Bui D, Harris RB, Brown H, **Oren E**. The Association between *Helicobacter pylori* and Hepatitis A in the United States: Serologic Evidence for Fecal-oral Transmission of *H. pylori* from the National Health and Nutrition Examination Surveys. *American Journal of Tropical Medicine & Hygiene*, Published online November 23, 2015; DOI:10.4269/ajtmh.15-0297. **(2.564^{IF})**
 76. **Oren E**, Alatorre-Isaguirre G, Vargas-Villareal J, Moreno Trevino M, Garcialuna-Martinez J, Gonzalez-Salazar F. Interferon gamma-based detection of latent tuberculosis infection in the border states of Nuevo Leon and Tamaulipas, Mexico. *Frontiers in Public Health*. 2015; September 30. <http://dx.doi.org/10.3389/fpubh.2015.00220>. **(1.28^{IF})**
 77. **Oren E**, Rothers J, Stern, DA, Halonen M, Wright AL. Cough duration during infancy is associated with childhood asthma. *Clinical & Experimental Allergy*, 2015. 45(9): 1439-1446. DOI: 10.1111/cea.12573 **(4.769^{IF})**
- * Featured as Editor's Choice, *Clinical & Experimental Allergy*, 2015. 45(9)
78. **Oren E**, Narita M, Nolan C, Mayer J. Neighborhood socioeconomic position and tuberculosis transmission: a retrospective cohort study. *BMC Infectious Diseases*, 2014.14:227. **(2.949^{IF})**
 79. Colvin C, Mugyabuso J, Munuo G, Lyimo J, **Oren E**, et al. Evaluation of community based interventions to improve TB case detection in Tanzania. *Global Health: Science and Practice*, 2014. 2(2): 219-225.
 80. Oppong J, Mayer J, **Oren E**. The Global Health Threat of African Urban Slums: The Example of Urban Tuberculosis. *African Geographical Review*, 2014. DOI: 10.1080/19376812.2014.910815
 81. Haenchen S**, Jacobs B, Pottinger H, **Oren E**, Ernst K. Perceptions of Personal Belief Vaccine Exemption Policy: A Survey of Arizona Vaccine Providers. *Vaccine*, 2014. DOI: 10.1016/j.vaccine.2014.04.081 **(3.235^{IF})**
 82. Li Y, Ehiri J, **Oren E**, Hu D, Luo X, Liu Y, Wang Q. Are we doing enough to stem the tide of acquired MDR-TB in countries with high TB burden? Results of a mixed method study in Chongqing, China. *PLOS One*, 2014. 9(2):e88330. **(2.766^{IF})**
 83. Campo M, Shrestha A, **Oren E**, Thiede H, Duchin J, Narita M, Crothers K. Characterization of Hepatitis C Co-infected Tuberculosis Patients in an Urban City in the US. *Epidemiology and Infection*, 2013. Sep 25:1-8. **(2.075^{IF})**
 84. ***Oren E**, Narita M, Nolan C, Mayer J. The role of area-level socioeconomic disadvantage on severe pulmonary tuberculosis: U.S., 2000-2008. *Public Health Reports*, 2013; 128: 99-109. **(1.605^{IF})**
 85. Lindquist S, Ghosh-Chatterjee S, Field K, Allen S, Narita M, **Oren E**. Public Health Prioritization of TB Genotype Clusters. *Emerging Infectious Diseases*, 2013; 19(3): 493-495. **(7.422^{IF})**
 86. Horne D, Campo M, Arentz M, **Oren E**, Crothers K, Narita M. Association between Smoking and Latent Tuberculosis in the U.S. Population. *PLOS One*, 2012;7(11):e49050. **(2.766^{IF})**
 87. ***Oren E**, Koepsell T, Leroux B, Mayer J. Area-based Socioeconomic Disadvantage and Tuberculosis Incidence. *International Journal of the Union against TB and Lung Disease*, 2012; 16(7):880-5. **(2.392^{IF})**

88. Barry PM, Shaw T, **Oren E**, Field K, Funk E, Langer AJ, Gardner TJ. Multistate Outbreak of Multidrug-Resistant Tuberculosis Identified by Genotype Cluster Investigation among Foreign-Born Seafood Production Workers. *Emerging Infectious Diseases*, 2012; 18(1): 113-116. **(7.422^{IF})**
89. **Oren E**, Winston CA, Pratt R, Robison VA, Narita M. Epidemiology of Urban Tuberculosis in the United States, 2000-2007. *American Journal of Public Health*. 2011; 101:1256-1263. **(4.138^{IF})**
90. Horne D, **Oren E**, Spitters CE, Johnson C, Narita M. How Soon can Smear Positive Tuberculosis Patients be Released from Inpatient Isolation? *Infection Control and Hospital Epidemiology*. 2010; 31(1): 78-84. **(3.084^{IF})**
91. Parimon T, Spitters CE, Muangman N, Euathrongchit J, **Oren E**, Narita M. Unexpected Pulmonary Involvement in Extrapulmonary Tuberculosis Patients. *Chest*. 2008; 134(3): 589-594. **(7.132^{IF})**
92. Ashworth M, Horan KL, Freeman R, **Oren E**, Narita M, Cangelosi GA. Use of PCR-based *Mycobacterium tuberculosis* Genotyping to Prioritize Tuberculosis Outbreak Control Activities. *Journal of Clinical Microbiology*. 2008; 46(3):856-862. **(4.054^{IF})**
93. Oeltmann JE, **Oren E**, Haddad MB, Lake LK, Harrington T, Ijaz K, Narita M. Tuberculosis Outbreak in Marijuana Users, Seattle, Washington, 2004. *Emerging Infectious Diseases*. 2006; 12(7):1156-1159. **(7.422^{IF})**
94. ***Oren E**, Smith NL, Doggen CJ, Heckbert SR, Lemaitre RN. Body mass index and the risk of venous thrombosis among postmenopausal women. *J Thromb Haemost*. 2006 Oct;4(10):2273-5. **(4.899^{IF})**
95. Freeman R, Kato-Maeda M, Hauge KA, **Oren E**, Narita M, Wallis CK, Nolan C, Small PM, Cangelosi GA. Use of Rapid Genomic Deletion Typing to Monitor a Tuberculosis Outbreak within an Urban Homeless Population. *Journal of Clinical Microbiology*. 2005; 43(11):5550-5554. **(4.054^{IF})**
96. Phillips KA, Stotland NE, Liang SY, Spetz J, Haas JS, **Oren E**. Out-of-pocket Expenditures for Oral Contraceptives and Number of Pill Packs Obtained per Purchase. *Journal of the American Women's Medical Association*. 2004;59(1):36-42.
97. **Oren E**, Shaffer ER and Guglielmo BJ. Impact of Emerging Technologies Upon Medication Errors and Adverse Drug Events: A Review of the Evidence. *American Journal of Health-System Pharmacists* 2003; 60:1447-1458. **(1.882^{IF})**
98. **Oren E**, Griffiths LP and Guglielmo BJ. Demographics of Antimicrobial Overrides Associated with Automated Dispensing Machines. *American Journal of Health-System Pharmacists* 2002; 59 (15): 1445-1448. **(1.882^{IF})**
99. **Oren E**, McCart G, Phillips KA. Evaluating the Potential Impact of Pharmacogenomics on ADRs: A Subject Review. *Journal of Managed Care Pharmacy* 2002; 8 (4): 285-290. **(2.713^{IF})**
100. Phillips KA, Veenstra DL, **Oren E**, Lee JK and Sadee WS. The Potential Role of Pharmacogenomics in Reducing Adverse Drug Reactions: A Systematic Review. *JAMA* 2001; 286 (18): 2270-2279. **(47.661^{IF})**

* Indicates articles from thesis/dissertation

** Publication's first author is a current or former graduate student advisee

Refereed Published Abstracts

1. Harris RB, Begay R, Sanderson PR, Chief C, Monroy F, Brown HE, **Oren E**. *Helicobacter pylori* infections in Navajo communities of Northern Arizona. *Cancer Epidemiology and Prevention Biomarkers* 2020 29 (6 Supplement 2), D109-D109
2. Barber C, **Oren E**, Cheng YN, Slater M, Graves S. Pretreatment Chest X-ray Stability Duration and Tuberculosis Disease in San Diego County, 2012–2017. *Open Forum Infectious Diseases* 2019 6 (Suppl 2), S494
3. Florea A, Brown H, Harris RB, **Oren E**. Ethnic Disparities in Gastric Cancer Presentation and Screening Practice in the United States: An Analysis of 1997–2010 SEER-Medicare Data. *Cancer Epidemiology and Prevention Biomarkers* 2018; 27 (3), 356.

4. Martinez ME, Tao L, Murphy J, Constanza Camargo, M, **Oren E**, Valasek M, Gomez S, Gupta S. Race, Ethnicity, Socioeconomic Status and Site-specific Risk for Gastric Cancer. *Cancer Epidemiology and Prevention Biomarkers* 2018; 27 (3), 356.
5. **Oren E**, Garcia D, Barrett E, Gonzalez-Salazar F. Novel case management strategy for latent tuberculosis infection among migrant farmworkers. *IJTL* 2016; 20(11), S215
6. Strawter C, Chahal R, Song K, **Oren E**, Knox, K. Procalcitonin Levels In Different Presentations Of Coccidioidomycosis. *Am J Respir Crit Care Med* 2016; 192, A2084
7. **Oren E**, Combs D, Fisher J, Goodwin JL, Billheimer D, Gerald JK, Clemens C, Brown M, Gerald LB. Impact Of Supervised Asthma Medication Use On Sleep Outcomes Of Elementary School Children. *Am J Respir Crit Care Med* 2016; 192, A5607
8. Holbrook ED, Zangeneh T, Malo J, Strawter C, **Oren E**, Robey I, Erickson H, Chahal R, Thompson C, Ampel NM, Wheat LJ, Knox K. Development of an Improved Antibody Detection Enzyme Immunoassay for Use in Detection of Coccidioidomycosis. *Open Forum Infectious Diseases* 2016; 2, S110.
9. ** Osuchukwu OO, **Oren E**. Acceptability of latent tuberculosis testing among migrant farmworkers along the US-Mexico border. *Annals of Global Health*. 2015 Feb 28;81(1):7
10. **Bui D, Harris RB, Brown H, **Oren E**. The Association between *Helicobacter pylori* and Hepatitis A in the United States: Serologic Evidence for Fecal-oral Transmission of *H. pylori* from the National Health and Nutrition Examination Surveys, 2000-2008. *American Journal of Epidemiology* 2015; 171, S241
11. Ghazala L, Bime C, Cortopassi F, Baalachandran R, **Oren E**, Berry CE. Inhaler Device Preferences in Older Adults with Chronic Lung Disease. *Am J Respir Crit Care Med* 2015; 191, A5797
12. Bime C, **Oren E**, Fiero M, Parthasarathy S, Garcia JGN. High Versus Low PEEP and ARDS Survival: Is There Effect Modification By BMI? *Am J Respir Crit Care Med* 2015; 191, A3644
13. **Oren E**, Gerald LB, Stern DA, Wright AL, Martinez FD. Self-Reported Stressful Life Events during Adolescence and Asthma. *Am J Respir Crit Care Med* 2015; 191, A97
14. **Murakami T, Scranton, R, Brown, H, Musuku, S, Chen Z, Harris, R, **Oren E**. A Survey of Screening and Treatment Practices for *Helicobacter pylori* in the United States. *Am J Gastroenterol* 2014; 109: S45
15. **Oren E**, Rothers J, Stern, DA, Halonen M, Wright AL. Cough duration during infancy is associated with childhood asthma. *Am J Respir Crit Care Med* 2014; 189, A3842
16. Campo M, Arentz M, **Oren E**, Crothers KA, Narita M, Horne DJ. Association between smoking and latent tuberculosis infection in the United States population. *Am J Respir Crit Care Med* 2012; 185, A2320
17. Shrestha A, **Oren E**, Thiede H, Duchin J, Narita M, Crothers K. Tuberculosis and Hepatitis C in King County 2000-2010. *Am J Respir Crit Care Med* 2012;185, A2332
18. ***Oren E**, Mayer J. Socioeconomic factors and tuberculosis incidence in Washington state. *American Journal of Epidemiology* 2011; 173, s50
19. ***Oren E**. Socioeconomic disadvantage and tuberculosis incidence in Washington state. *The Lancet* 2011, published online March 14, 98
20. **Oren E**. Spatial clustering among reported tuberculosis cases in Washington state, 2000-2008. *American Journal of Epidemiology* 2010; 171, S138
21. Phillips KA, Veenstra DL, **Oren E**, Lee JK and Sadee WS. Analyzing the clinical, economic, and policy impact of individualized medicine based on genetic information ("pharmacogenomics"). *Value in Health* 2002; 5 (3), 152

Accepted Refereed Abstracts and Presentations

Current Rank

1. "Assessing Electronic Cigarette Use and Perceptions during the COVID-19 Pandemic in the United States," American Thoracic Society, 2021, Virtual
2. "Social and Built Neighborhood Environments and Blood Pressure 6 Years Later: Results from SOL CASAS," Society for Behavioral Medicine, 2021, Virtual
3. "A randomized cross-over clinical trial of unfiltered cigarettes," American Public Health Association, 2020, Virtual
4. "Vape shop locations and proximity to schools in San Diego county," American Public Health Association, 2020, Virtual
5. "Naturalistic topography assessment: challenges, opportunities, and recommendations," Society for Research in Nicotine and Tobacco, New Orleans, 2020.
6. "Awareness of *Helicobacter pylori* infections in Navajo communities of Northern Arizona," American Society for Preventive Oncology, Tucson, 2020.
7. "Focus Groups with Northern Arizona Navajo Adults: Knowledge, Attitudes and Practices (KAP) related to *Helicobacter pylori* and stomach cancer," American Society for Preventive Oncology, Tucson, 2020.
8. "*Helicobacter pylori* infections in Navajo communities of Northern Arizona," AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, San Francisco, 2019.
9. "Pre-treatment Chest X-ray Stability Duration and Tuberculosis Disease in San Diego County, 2012-2017," ID Week, Washington DC, 2019.
10. "Comparative study of Chagas disease seroprevalence in pregnant women from endemic regions attended at Hospital General de Mexico (Mexico City, Mexico) and Johns Hopkins Bayview (Baltimore, USA)," American Society for Tropical Medicine and Hygiene, Baltimore, 2019; Institute on Migration and Global Health, Oakland, 2019.
11. "Using Video Administered Direct Observational Therapy To Increase Treatment Compliance To Medication For Latent Tuberculosis Infection," International Union Against Tuberculosis and Lung Disease NAR, Vancouver. 2019.
12. "A Case-Control Study to Identify Community Venues Associated with Genetically Clustered Multidrug Resistant Tuberculosis Disease in Lima, Peru," Union TB Meeting, Netherlands, 2018.
13. "Using Social Media to Complement Hepatitis A Outbreak Efforts," American Public Health Association, San Diego, 2018. (roundtable presentation)
14. "Formative Research for a Health Communication Framing Intervention to Reduce High-Risk Alcohol Consumption in Hispanic Men," American Public Health Association, San Diego, 2018.
15. "Race, ethnicity, socioeconomic status and anatomic subsite-specific risk for gastric cancer," Digestive Disease Week (Poster of Distinction), Washington D.C., 2018.
16. "Race, ethnicity, socioeconomic status and site-specific risk for gastric cancer," American Society for Preventive Oncology, New York, 2018.
17. "Ethnic Disparities in Gastric Cancer Presentation and Screening Practice in the US: An Analysis of 1997-2010 SEER-Medicare Data," American Society for Preventive Oncology, New York, 2018. (Winner of the Seventh Annual Electra Paskett Scholarship Travel Award).
18. "Structural, Sociocultural, and Individual Barriers to Alcohol Abuse Treatment Seeking: A Qualitative Study with Mexican Origin Men," Society for Behavioral Medicine, 2018.
19. Impact of Environmental Temperature Variations on the Dynamics of Dengue Epidemics, SDSU Student Research Symposium, 2018
20. "*Helicobacter pylori* and Stomach Cancer: Assessing knowledge, attitudes, practices among Navajo people in Northern Arizona," Navajo Nation Human Research Review Board Conference, Window Rock, 2017
21. "Symptom screening for active TB in pregnant women living with HIV: a systematic review," Union World Conference on Lung Health, Guadalajara. 2017

22. **"Respiratory Syncytial Virus tracking using Search Data," Next Generation Informatics for Global Health: Digital Epidemiology and Disease Dynamics, Hong Kong. 2017.
23. "Hair biomarkers among middle-school children in relation to school stress and asthma," Society for Behavioral Medicine, San Diego. 2017
24. ***"American Cancer Society Cancer Prevention Guidelines, Vitamin D Status, and Colorectal Adenoma," American Society of Preventive Oncology, Seattle, 2017
25. "Novel Case Management strategy for Latent Tuberculosis Infection among Migrant Farmworkers," Union World Conference on Lung Health, Liverpool. 2016
26. ***"Recent Infectious Disease Mortality Trends in the United States," Epidemiology Congress of the Americas," Miami. 2016.
27. "Development of an Improved Antibody Detection EIA for use in Detection of Coccidioidomycosis," IDWeek, New Orleans, 2016.
28. ***"Development of an Improved Antibody Detection EIA for use in Identification of Coccidioidomycosis. Coccidioidomycosis Study Group," Fresno. 2016.
Outstanding Student Research Award.
29. ** "Procalcitonin Levels in Different Presentations of Coccidioidomycosis," American Thoracic Society, San Francisco. 2016
30. ***"Adherence to Diet and Physical Activity Cancer Prevention Guidelines and Cancer Outcomes: A Systematic Review," 2nd Annual UACC Scientific Retreat. 2016.
31. "Impact of supervised asthma medication use on sleep outcomes of elementary school children," American Thoracic Society, San Francisco. 2016
32. **"Secular Trends for Peptic Ulcer Disease and Gastric Cancer in Arizona, 1993-2013," 18th International workshop on Campylobacter, Helicobacter and related organisms. 2015
33. **"Novel Methods to Predict Climate-Related Health Outcomes," International Conference on Digital Disease Detection, Florence. 2015
34. "High Versus Low PEEP And ARDS Survival: Is There Effect Modification By BMI?" American Thoracic Society, Denver. 2015
35. **"Inhaler Device Preferences In Older Adults With Chronic Lung Disease," American Thoracic Society, Denver. 2015
36. ***"Self-reported Stressful Life Events during Adolescence and Asthma," American Thoracic Society, Denver. 2015
37. ***"Serologic Evidence for Fecal-oral Transmission of H. pylori," Society for Epidemiologic Research, Denver. 2015
38. ***"Acceptability of Latent Tuberculosis Testing Among Migrant Farmworkers in Yuma, Arizona," International Union Against Tuberculosis and Lung Disease, Vancouver. 2015
39. "Latent Tuberculosis among Migrant Farm Workers," International Union Against Tuberculosis and Lung Disease, Vancouver. 2015
40. ***"Procalcitonin Measurement Utility in Coccidioidomycosis," American Federation for Medical Research, Carmel. 2015
41. "A Survey of Screening and Treatment Practices for Helicobacter pylori in the United States," American College of Gastroenterology, San Diego. 2014
42. "Cough duration during infancy is associated with childhood asthma," American Thoracic Society, San Diego. 2014
43. ***"The seasonality of coccidioidomycosis: predicting valley fever outbreaks in Arizona," NASA Fellows Symposium, University of Arizona, Tucson. 2014
44. "Latent Tuberculosis in the United States and Mexico," American Society for Tropical Medicine and Hygiene, New Orleans. 2014

Previous Rank

45. "Association between Smoking and Tuberculosis Infection in the United States Population," American Thoracic Society, San Francisco. 2012
46. * "A Targeted Testing Program Combined with 3 Months of Isoniazid and Rifapentine in Seattle's Homeless Population," International Union Against Tuberculosis and Lung Disease, San Antonio. 2012 "Tuberculosis Treatment Course and Hepatitis C in King County 2000-2010," American Thoracic Society, San Francisco. 2012
47. "Addressing psychosocial barriers for successful tuberculosis treatment completion among an at-risk population, King County, Washington," International Union Against Tuberculosis and Lung Disease, San Antonio. 2012
48. * "Molecular epidemiology and the spatial analysis of disease: the examples of M. tuberculosis and N. gonorrhoeae, Association of American Geographers, New York City. 2012
49. * "Area-based socioeconomic position and tuberculosis severity outcomes" Society for Epidemiologic Research, Epidemiologic Methodology, eMAC Web Meeting. 2011
50. * "Socioeconomic status, genotyping and tuberculosis transmission" International Medical Geography Symposium, Durham UK. 2011
51. "Socioeconomic disadvantage and tuberculosis incidence in Washington State" Society for Epidemiologic Research, Montreal. 2011
52. "Socioeconomic status and tuberculosis" Global Health Metrics & Evaluation, Seattle. 2011
53. * "TB Surveillance Data Quality Assurance Training and Implementation" National TB Conference, Atlanta. 2011
54. "A large tuberculosis outbreak in a homeless population spreading to the community — King County, Washington" International Union Against Tuberculosis and Lung Disease, Vancouver. 2011
55. "Refugee Testing for Latent Tuberculosis Infection Using QuantiFERON-Gold" International Union Against Tuberculosis and Lung Disease, Vancouver. 2011
56. "Multistate Outbreak of Multidrug-Resistant Tuberculosis among Foreign-Born Workers Identified by Genotype Cluster Investigation" International Union Against Tuberculosis and Lung Disease, Vancouver. 2011
57. * "Using surveillance data to guide patient care: Lessons learned from integrating the National TB Indicators Project into Cohort Review" American Public Health Association, Denver, 2010
58. * "Lessons learned from integrating the National TB Indicators Project into Cohort Review" Washington State Annual Tuberculosis Meeting, Bremerton. 2010
59. "Spatial Clustering among Reported Tuberculosis Cases in Washington State, 2000–2008" Society for Epidemiologic Research, Seattle. 2010
60. "Multistate Outbreak of Multidrug-Resistant Tuberculosis among Foreign-Born Seafood Production Workers Identified by Genotype Cluster Investigation" National TB Controllers Association, Atlanta. 2010
61. "Public Health Prioritization of Genotype Clusters in Washington State" International Union Against Tuberculosis and Lung Disease, Orlando. 2010
62. * "Collaborative TB Screening: Utilizing Novel Public Health Partnerships" National TB Controllers Association, Atlanta. 2008
63. * "Factors Affecting Time to Sputum Smear and Culture Conversion in Patients with Pulmonary Tuberculosis" American Thoracic Society, Toronto. 2008
64. "Outbreak of Tuberculosis Among Marshall Islanders in Washington – 2007" International Union Against Tuberculosis and Lung Disease, San Diego. 2008
65. * "TB Outbreak among Marshallese in Washington, 2007" Washington State Annual Tuberculosis Meeting, Bremerton. 2007
66. * "Multidrug-resistant Tuberculosis among Tibetans in California and Washington, 2004-2006" American Thoracic Society, San Francisco. 2007

67. "Characteristics of Tuberculosis among East African Immigrants, Seattle-King County, 2001-2005" International Union Against Tuberculosis and Lung Disease, Vancouver. 2007
68. ***"Pediatric Tuberculosis in Seattle-King County, 2001-2005" International Union Against Tuberculosis and Lung Disease, Vancouver. 2007
69. "Epidemiology of Tuberculosis in the Northwest United States" Francis J. Curry National Tuberculosis Center Tuberculosis Intensive, Seattle, 2006
70. ***"Implementation of a Tuberculosis Outbreak Prevention Control Section in a Large Urban County" National TB Controllers Association, Atlanta. 2006
71. "Use of Real-Time Pathogen Genotyping in the Control of a Tuberculosis Outbreak" American Thoracic Society, San Diego. 2006
72. "Clinical Epidemiology and Outcomes of Lymphatic Tuberculosis" International Union Against Tuberculosis and Lung Disease, Chicago. 2006
73. "Body Mass Index and the Risk of Venous Thrombosis Among Postmenopausal Women" 46th Annual Conference on Cardiovascular Disease Epidemiology and Prevention in association with the Council on Nutrition, Physical Activity, and Metabolism, Phoenix, 2006
74. ***"TB Comes to a School Near You: Controlling TB in the Educational Setting" Washington State Public Health Association Joint Conference on Health, Yakima. 2005
75. "Sputum Examination and Chest Radiographs (CXR) in Patients with Extrapulmonary TB." American Thoracic Society, San Diego. 2005
76. "An Intensive Screening Strategy Utilized in a TB Outbreak involving the Homeless Community in Seattle-King County, Washington, USA" International Union Against Tuberculosis and Lung Disease, Vancouver. 2005
77. "Convergence of Risk Factors Fuels Tuberculosis Outbreak Among Young Marijuana Users" International Union Against Tuberculosis and Lung Disease, Vancouver. 2005
78. "Pilot of a Baseline Survey for Chronic Disease Risk Factors in Villa El Salvador, Peru" Bay Area International Health Conference, San Francisco. 2004
79. "The Heart of the Matter: Risk Factors for Patent Ductus Arteriosus" Washington State Public Health Association Joint Conference on Health, Yakima. 2003
80. "Analyzing the Clinical, Economic, and Policy Impact of Individualized Medicine Based on Genetic Information ("Pharmacogenomics")" International Society for Pharmaceutical Outcomes Research, Arlington. 2002
81. "The Potential Role of Pharmacogenomics in Reducing Adverse Drug Reactions: A Systematic Review." Academy for Health Services Research (AHSR), Atlanta. 2002; UCSF 3rd Annual Spring Research Seminar, San Francisco. 2001
82. "Demographics of Antimicrobial Overrides Associated with Automated Dispensing Machines." UCSF 4th Annual Spring Research Seminar, San Francisco. 2002; American Society of Health-System Pharmacists (ASHP), New Orleans. 2001

*Denotes an oral presentation

**Presented by a student

Conferences and Scholarly Presentations

Extramural Invited Scholarly Presentations

1. What San Diego Can Learn from Israel's COVID-19 Vaccination Rollout: Success and Challenges, 2021
2. Risk Perceptions and Responses to Infectious Disease Outbreaks Among Members of the Public: A Twitter Analysis in San Diego County, HIV and Global Health Grand Rounds, UCSD, San Diego, 2018
3. COVID-19 Emergency Response Information Session, International Rescue Committee, 2020
4. SDSU Public Health Roundtable, COVID-19 Legislative Briefing, San Diego, 2020

5. "Testing and Treatment of *Helicobacter pylori* as a Cancer Prevention Strategy," Moores Cancer Center Works in Progress, San Diego, 2019
6. "An Introduction to Propensity Scores," UCSD T32 CVD Epi T32 training program, San Diego, 2019
7. "Social Epidemiology and Smart Healthcare," UCSD Preventive Medicine Fellows Seminar, San Diego, 2019
8. "Studying High-risk Environments Associated with TB Transmission," NIAID, NIH, Rockville, 2018.
9. "Latent Tuberculosis Infection on the Border," HIV and Global Health Grand Rounds, UCSD, San Diego, 2018
10. Panelist, "Negotiation strategies and best practices," American Society for Preventive Oncology, New York, 2018.
11. "Cognitively-Based Compassion Training and Asthma Control among Adolescents," Asthma Clinical Research Center Steering Committee, Orlando, 2018.
12. "Using Social Media to Complement Hepatitis A Outbreak Efforts," San Diego County Health Department, San Diego, 2017.
13. "From disease tracking to disease understanding using Internet data," Next Generation Informatics for Global Health: Digital Epidemiology and Disease Dynamics, Hong Kong, 2017.
14. "Barriers to Healthcare Access among Farmworkers with Latent TB Infection, US and Mexico." CAZMEZ Summit, Tucson, 2017.
15. "Chronic Stress and Asthma." San Diego State University, San Diego, 2016.
16. Medical Consultant Meeting, Heartland National TB Center, San Antonio, 2016.
17. "Texting and Infectious Diseases," 7th Annual Arizona Infectious Disease Conference, Phoenix, 2016.
18. "Latent Tuberculosis Infection on the Border," Binational Collaboration for Healthy Communities in the U.S.-Mexico Border Region Meeting, Nogales MX, 2016.
19. "Infectious Diseases in the Elderly," Arizona Gerontological Nursing Association, Tucson, 2015.
20. "Using Genotyping for Cluster Investigation and Outbreak Detection," Tuberculosis for Epidemiologists course, Heartland National TB Center, Arlington, 2015.
21. "Detection of Latent Tuberculosis at the Border," United States-Mexico Border Binational Infectious Disease Conference, El Paso, 2014.
22. "Detection of Latent Tuberculosis Infection among Migrant Populations, United States and Mexico," Puentes Consortium Symposium, Rice University, Houston. 2013 and 2015
23. "TB and the City: The Importance of Urban Tuberculosis Control," International Union Against Tuberculosis and Lung Disease, Vancouver. 2013
24. "Around the Sound: The Study of Local Clusters," World TB Day, Seattle Biomed, Seattle. 2012
25. "Predictive value for progression to tuberculosis by IGRA and TST among refugees," 3rd Global Symposium on IGRAs, Hawaii. 2012
26. Invited Speaker, International Training & Education Center for Health (ITECH) Laboratory Management Training. "Local Public Health: Collaborations and Partnerships", Seattle. 2010
27. "A Disease Roundtable Exercise to Facilitate Inquiry-Based Learning" Symposium on Teaching and Learning, Seattle. 2010
28. "Tuberculosis burden, trends, and characteristics in urban settings in the United States" Division of TB Elimination Analytic Steering Committee, Centers for Disease Control and Prevention, Atlanta. 2009
29. "Tuberculosis—What you Need to Know" Public Defender Association, Seattle. 2008

Intramural Invited Scholarly Presentations

1. "Epidemiologic Modeling of COVID-19 in San Diego County" SDSU Acting Coping Thinking Faculty Network, SDSU, San Diego, 2020
2. "50 Years Later: Why Are We Still Smoking Cigarettes Given the Strong Evidence Linking Them to Dangerous Health Effects?" San Diego State Research Foundation, San Diego, 2019

3. "Applications of Data Science in Public Health," Fall Symposium for the SDSU Learning Design and Technology, San Diego, 2019
4. "Tracking Infectious Diseases Using Big Data: A Primer Using Search Data and Social Media," Geography Colloquium, SDSU, San Diego, 2019
5. "Social Determinants of Health Panel," Epidemiology Research Exchange, San Diego, 2019.
6. "Smart Healthcare for Respiratory Disease: A Health Scientist's Perspective," Smart Health Institute Seminar, San Diego, 2018.
7. "Responding to the Hepatitis A Outbreak in San Diego using Big Data Approaches," Center for Human Dynamics in the Mobile Age Lightning Talk, San Diego, 2018.
8. "Chronic Stress and Asthma among Adolescents," Asthma and Airways Disease Research Center Research Seminar, Tucson, 2017
9. "Latent Tuberculosis Infection on the Border," Infectious Disease Grand Rounds, Tucson, 2017
10. "The Helicobacter pylori-Gastric Cancer Workgroup: A research strategy to increase understanding of a neglected health concern," Cancer Prevention and Control Seminar, Tucson, 2016
11. Alpha Epsilon Delta Public Health Panel, Tucson, 2016
12. "Tuberculosis Transmission and the Role of Place in Epidemic Propagation: Conceptualizing space and Addressing Migrant Needs," School of Geography Colloquium, Tucson, 2015
13. "Detection of latent tuberculosis infection by interferon gamma release assays among border populations, United States and Mexico," Micro Lunch, Department of Veterinary Science and Microbiology, Tucson, 2015
14. "Latent Tuberculosis Infection among Border Populations," Epidemiology Seminar, Mel and Enid Zuckerman College of Public Health, Tucson, 2015
15. "Cough during Infancy and Subsequent Childhood Asthma," Pulmonary Research Conference, Department of Medicine, University of Arizona, Tucson, 2015
16. "New technologies in the Fight against Infectious Diseases"—using TB as a disease case study," Arizona Global Health Conference, University of Arizona, Tucson, 2014
17. "The Social Determinants of Tuberculosis – Theories and Interventions," Sociology Colloquium, University of Arizona, Tucson, 2014
18. "Health Disparities in Public Health," Undergraduate Biology Research Program Symposium, University of Arizona, Tucson. 2013
19. "Urban Tuberculosis Outbreaks," Epidemiology Seminar, Mel and Enid Zuckerman College of Public Health, Tucson. 2013

Works-In-Progress

In Progress

1. Harris RB, Brown HE, Begay R, Sanderson P, Chief C, Monroy F, **Oren E**. *Helicobacter pylori* prevalence and risk factors in three rural indigenous communities of Northern Arizona (*Revise and Resubmit, Helicobacter*).
2. Yun S, Wang W, Peddecord M, **Oren E**. The Association Between On-Time Initiation and Completion/Up-To-Date (UTD) of the Human Papillomavirus (HPV) Vaccination Series Among Adolescents aged 11-17 in San Diego County (Submitted, *Journal of Child Health Care*).
3. Kremer P, Thompson C, **Oren E**, Laughlin G, Haradwaj P, Benmarhnia, T. Decomposition of sex gaps in tobacco smoking among the youth in Latin America (Submitted, *Journal of Child & Adolescent Substance Abuse*).
4. LaCourse SM, Cranmer LM, Bekker A, Steingart KR, Black D, Horne DJ, **Oren E**, Pals S, Modi S, Mathad J. Symptom screen for active tuberculosis in pregnant women living with HIV: Systematic Review and Meta-Analysis (In Preparation).

5. Mpody C, Stern DA, Gerald LB, Morgan WJ, Martinez FD, Wright AL, **Oren E**. Early Caregiver Stress and Child's Subsequent Lung Function through Early Adulthood: A Longitudinal Study from Birth to 32 years of age (In Preparation).
6. CSTE workgroup, including **Oren E**. Environmental Health in Schools White Paper (In Preparation).
7. Gibbons J, Yang, TC, **Oren E**. Community Boosts Immunity? Exploring the Relationship Between Social Capital and COVID-19 Social Distancing (*Revise and Resubmit., Spatial Demography*).
8. **Oren E**, Satibaldiyeva N, Cooper B, Nara A, Tsou M, Martinez L. Message framing regarding Hepatitis A Vaccination (In Preparation).
9. Parra K, **Oren E**, Miranda M, Chakravarti I, Villanueva E, Becker I, Briones JC, Brown H, Gilman RH. Comparative study of Chagas disease seroprevalence in pregnant women from endemic regions attended at Hospital General de Mexico and Johns Hopkins Bayview (In Preparation).
10. Manoogian MK, Verhoughstraete MP, Canales RA, Burgess JL, **Oren E**, Reynolds KA. Microbial diversity evolution of surfaces in patient rooms and common areas in a newly opened Skilled Nursing Facility (Submitted, *Applied and Environmental Microbiology*).
11. Manoogian MK, Verhoughstraete MP, Canales RA, Lutz EA, Burgess JL, **Oren E**, Reynolds KA. Healthcare Associated Infections, nosocomial pathogen presence, and shifts in microbial communities of in a newly opened skilled nursing facility (In Preparation).
12. Barber C, **Oren E**, Cheng Y, Slater M, Graves S. Pre-treatment chest X-ray stability duration and tuberculosis disease in San Diego, California, 2012-2017 (Submitted, *International Journal of Tuberculosis and Lung Disease*).
13. Richard EL, McEvoy LK, **Oren E**, Alcaraz JE, Laughlin GA, LaCroix, AZ, Salem, RM. Markers of Kidney Function and Longitudinal Cognitive Ability Among Older Community-Dwelling Adults: The Rancho Bernardo Study (Submitted, *Journal of Gerontology: Medical Sciences*).
14. Richard EL, McEvoy LK, **Oren E**, Alcaraz JE, Laughlin GA, LaCroix, AZ, Salem, RM. Markers of Kidney Function, Genetic Variation and Cognitive Performance in the UK Biobank (In Preparation).
15. Richard EL, McEvoy LK, Cao SY, **Oren E**, Alcaraz JE, LaCroix, AZ, Salem, RM. Biomarkers of Kidney Function and Cognitive Ability: a Mendelian Randomization Study (Submitted, *Journal of the Neurological Sciences*).
16. Reiss B, Roa IJ, Bacharach R, Burstyn I, **Oren, E**. Low-cost assessment of a stove improvement program in Peru. OSF Preprints (2021) (osf.io/anfeg).
17. Delker E, Bandoli G, LaCoursiere Y, Ferran K, **Oren E**, Gallo L, Ramos G, Gahagan S, Allison M. Associations between preconception blood pressure with preterm birth and term birthweight: Findings from the National Longitudinal Study of Adolescent to Adult Health (In Preparation).
18. Delker E, Gallo L, **Oren E**, Ferran K, Gahagan S, Allison M. Secular trends in racial and ethnic disparities and prevalence of metabolic syndrome among US women ages 18-44: 1988-2016 (In Preparation).
19. Delker E, Ramos G, Ferran K, Gallo L, **Oren E**, Ferran K, Gahagan S, Allison M. Associations between preconception glycemia and preterm birth and examination of healthcare and racial/ethnic disparities (In Preparation).
20. **Sridaran, S, Oren, E**, Waalen, J, Parker, R, Rusk, K, Nichols, J. Association of Cardiorespiratory Fitness and Metabolic Syndrome in Male Career Firefighters - San Diego, California, 2005-2015 (In Preparation)
21. Chertkov M, Abrams, R, Sikaroudi AME, Slagle C, Efrat A, Fulek R, **Oren E**. Graphical Models of Pandemics (In Preparation, <https://medrxiv.org/cgi/content/short/2021.02.24.21252390v1>, Submitted *Plos One*)
22. Collaborators including **Oren E**. California SARS-CoV-2 and Respiratory Virus Sentinel Surveillance (CalSRVSS) Among Patients with Mild or Asymptomatic Presentation – California, May 10, 2020–January 4, 2021 (Submitted to *Morbidity and Mortality Weekly Report*)

23. Baker P, Beletsky L, Pitpitan E, **Oren E**, Strathdee SA, Cepeda JA. Impact of police training on knowledge of syringe law and extrajudicial arrests for syringe possession – longitudinal findings from the SHIELD study in Tijuana, Mexico (In Preparation)
24. Kremer P, Thompson C, **Oren E**, Benmharnia T. Impact of Uruguay’s comprehensive tobacco control policy on smoking among the youth (In Preparation)
25. GBD 2019 Collaborators, including **Oren E**. Sex differences in the global burden of tuberculosis: results from the 1 Global Burden of Diseases, Injuries, and Risk Factors 2019 Study (In Preparation)
26. Suazo A, Gonzalez A, Garcia J, Martinez L, **Oren E**. COVID-19 Perceptions, Perceived Risk, and Adopted Risk-Reduction Behaviors Among Undergraduate Students in Southern California (In Preparation)
27. Savin KL, Roesch SC, **Oren E**, Carlson JA et al. Social and Built Neighborhood Environments and Blood Pressure 6 Years Later: Results from HCHS/SOL and the SOL CASAS Ancillary Study (In Preparation)

Other reports/letters/non-refereed publications

1. ASPPH Scholarship of Teaching and Learning Task Force Course and Teacher Evaluation Working Group: Report on Evidence-Based Course and Teacher Evaluation Methods and Metrics, 2020
2. PIMSA Project Policy Statement: Chagas disease sero-prevalence in pregnant women from endemic regions attended at Hospital General de Mexico Johns Hopkins Bayview Medical Center, 2019
3. Shared Decision Making in Gastric Cancer Surveillance, letter in response to the Request for Public Comment of the 2019 American Gastroenterological Association (AGA) Guidelines
<https://medium.com/@gimregistry/shared-decision-making-in-gastric-cancer-surveillance-b445e196879>
4. PIMSA Project Policy Statement: Detection and Follow-up of Latent Tuberculosis Infection (LTBI) among Migrant Workers, United States and Mexico: Health Policy Implications, 2018
5. *H. pylori* Factsheet, created for nostomachforcancer.org, 2017
<https://www.nostomachforcancer.org/about/risk-prevention/h-pylori-helicobacter-pylori>
6. Blog post, American Lung Association, “Texting to Stop TB” <http://www.lung.org/about-us/blog/2016/03/texting-to-stop-tb.html>, 2016
7. Basic Epidemiology for Tuberculosis Program Staff (2nd Edition, New Jersey Medical School Global TB Institute), 2013
8. Quality Assurance for TB Surveillance Data manual (Centers for Disease Control and Prevention), 2013
9. Seattle-King County Public Health Annual Tuberculosis Report, 2004-2012

Creative Media

1. SDSU Big Ideas Team Finalist, “Lung Digital Health Platform” 2020
2. Winning faculty team, Playground Games Contest, “The Heat is On! Adventures in Community Mapping” Sponsors: Confluentcenter for Creative Inquiry and the Institute of the Environment, 2014

Scholarly Awards & Honors

1. 2020 Invited Participant, SDSU Shared Governance Faculty Leadership Institute
2. 2019 Winner, American Thoracic Society, PI-TB Teaching Competition
3. 2019 Invited Participant, QuickStart Community-Based Participatory Research Training, California Breast Cancer/Tobacco-Related Disease Research Programs
4. 2018 Inductee, Scholarly Teaching Academy, Center for Teaching and Learning, SDSU
5. 2017 GREW (Grants and Research Enterprise Writing Fellowship) recipient, SDSU
6. 2017-2018 National Research Mentoring Network STAR Fellowship recipient
7. 2017 Faculty Excellence in Teaching Award Finalist, University of Arizona
8. 2016-2019 Early Career Reviewer, Center for Scientific Review, NIH
9. 2016 Trainee, Conduct of Randomized Clinical Trials Involving Behavioral Interventions, NIH

10. 2015- Career Development Award (KL2), University of Arizona
11. 2015- American Thoracic Society Guideline Methodology Trainee
12. 2014 Participant, ACE Workshop: Dissemination and Implementation Research in Health
13. 2014 Who's Who in Health Sciences Higher Education (WWHSHE)
14. 2014 Elected Fellow, American College of Epidemiology
15. 2013, 2014 Puentes Consortium Paper Award Recipient
16. 2013 University of Arizona International Research Development Grant travel award
17. 2010, 2012 Scholarship recipient, Summer Institute in Statistics and Modeling in Infectious Diseases (Seattle, WA)
18. 2012 Supported Participant, NICHD Workshop on Spatial Demography (Boulder, CO)
19. 2011 Front-Runners Leadership Training
20. 2011 Society for Epidemiologic Research Travel Scholarship
21. 2010 Community Health Assessment Mentee Program (CHAMP) Participant
22. 2009 NIH-supported Training Program in Advanced Spatial Analysis (Santa Barbara, CA)
23. 2008 Who's Who in Health Sciences Higher Education (WWHSHE)
24. 2007-2010 Graduate Student Mentee, Center for Workforce Development
25. 2003 Puget Partners for Global Health Award (Peru)
26. 1998 National Science Foundation Predoctoral Fellowship (Declined)
27. 1997-1998 Sigma Xi Research Grant
28. 1994-1998 Cornell Tradition Fellowship (Summer intern, Israel)
29. 1994-1998 Cornell University Dean's List
30. 1994 Salt Lake Research Foundation Scholarship
31. 1994 Golden Talon Service Award

Funded Research Grants

Current Funded Grants

1. \$4,999,999 - National Institutes of Health. RADx-UP, Communities Fighting COVID! MPI, 9/20/2020-8/19/2022
2. \$385,217 – NIH P30 Admin Supplement CCSG, Enhancing patient utilization of sustainable tobacco treatment programs at Moores Cancer Center. Co-I, 9/1/2020-8/31/2020
3. \$64,995 - Fixed Price Contract – County of San Diego, Community Sentinel COVID-19 Testing, Principal Investigator, 5/7/2020-10/31/2021
4. \$2,943,543 - County of San Diego, Community Health Workers for COVID-19 Contact Tracing in San Diego County, Co-Investigator, 2020
5. \$10,000 – Anonymous donor, COVID-19 Social Mobility, co-Principal Investigator, 2020
6. \$660,403 - Tobacco-Related Disease Research Program 28IP-0022S, A Randomized Crossover Clinical Trial of Unfiltered Cigarettes, Principal Investigator, 2018-2021
7. \$10,000 – Faculty University Grants Program, Examining real-time effects of e-cigarette inhalation and exposure, Principal Investigator, 2020-2021
8. \$6,085 - CHHS COVID-Affected Research Enterprise Stimulus Award, Ecologic Momentary Assessment of Vaping Dyads, Principal Investigator, 2020-2021

Principal Investigator or Co-Principal Investigator (Completed)

1. \$240,000 - Native American Cancer Prevention Program Pilot Grant (U54 Project), Helicobacter pylori and stomach cancer among Native Americans in Northern Arizona, Co-Principal Investigator (then consultant), 2017 – 2019
2. \$26,000 - Programa De Investigacion en Migracion en Salud, Chagas disease in pregnant Mexicans of Hospital General de México and migrants seen at Johns Hopkins, Investigator, 2017-2019
3. \$4,000 – SDSU HealthLINK mini-grant, Using Social Media for Hepatitis A outbreak surveillance and monitoring, Principal Investigator, 2018

4. \$25,000 – University of Arizona Cancer Center Cancer Disparities Pilot Project, *Helicobacter pylori* and stomach cancer among Native Americans in Northern Arizona, Principal Investigator, 2016 – 2017
5. \$112,525 – Arizona Health Sciences Center Career Development Award, Stress and Asthma in Childhood, Principal Investigator, 2015 – 2017
6. \$79,922 - American Lung Association Social Behavioral Research Grant Promoting Adherence to Treatment for Latent TB Infection (LTBI) through Mobile Phone Text Messaging, Principal Investigator, 2015 – 2017
7. \$35,000 - Programa De Investigacion en Migracion en Salud, Detection and Follow-up of Latent Tuberculosis Infection among Migrant Workers, Principal Investigator, 2015 – 2016
8. \$56,434 - UA/CONACYT Binational Consortium for Regional Scientific Development and Innovation, Barriers to Healthcare Access among Farmworkers, US and Mexico, Principal Investigator, 2015 – 2016
9. \$10,000 – Partnership for Native American Cancer Prevention Seed Grant, Principal Investigator, 2015
10. \$113,605 – VA Office of Public Health Surveillance and Research, Principal Investigator, 2014 – 2017
11. \$50,000 – The Art Chapa Foundation, *Helicobacter pylori* Infection and Gastric Diseases in Arizona, Principal Investigator, 2013 – 2014
12. \$12,100 – Arizona Department of Health Services, Detection of latent tuberculosis infection among migrant populations, United States and Mexico, Principal Investigator, 2013 – 2014
13. \$10,000 – Firland Foundation, Evaluating the Risk of Tuberculosis Transmission Utilizing Indoor Air Flow Testing, Principal Investigator, 2007 – 2008

Co-Investigator (Completed)

1. \$330,516 – HRSA Maternal and Child Health Training Program, Principal Investigator: Lynn Gerald, Ph.D., 2015
2. \$1,246,220 – CDC, Arizona Prevention Research Center, cooperative agreement number U48DP001925, Co-investigator, 2014 – 2018
3. \$1,083,039 – CDC, Arizona Physical Activity Research Network SIP-14-025, Co-investigator, 2014 – 2018
4. \$91,823 – Washington State Department of Health, Targeted TB Testing and Treatment among the Homeless, Co-investigator, 2011 – 2012
5. \$7,700 – Firland Foundation, Tuberculosis and Hepatitis C Coinfection in King County, WA, Co-investigator, 2011 – 2012
6. \$11,995 – Firland Foundation, A Pilot Study of Tuberculosis Infection and Genetic Variation, Co-investigator, 2009 – 2010

Student mentoring grants (Current)

Student Success Fee, SPH Graduate Student Race and Anti-Racism Training, \$22,000, 12/12020-5/15/2021
The student will bring a series of workshops to our graduate (MPH and JDP) students on anti-racism. Mentee: Nicole Chimbetete. Role: Mentor

Tobacco-Related Disease Research Program Student Supplement, \$20,000, 7/1/2019-6/30/2020

The student will take a lead role in filtered cigarette project logistics, screening and coordination. Mentee: Khusnnora Satybaldiyeva. Role: Mentor.

Student mentoring grants (Completed)

Tobacco-Related Disease Research Program Student Supplement, \$20,000, 7/1/2018-6/30/2019

The student will take a lead role in coordinating the filtered cigarette project and analyze smoking topography data. Mentee: Casey Barber. Role: Mentor.

NIMHD Minority Health International Research Training Program, \$5000, 6/1/2019-8/30/2019

The students will examine loss to follow-up in a TB patient cohort in Mbale, Uganda. Mentees: Briana Thrift and Saanjh Boyani. Role: Co-mentor (with Esther Buregyeya).

Fulbright Scholarship, \$24,000, 10/01/2015-06/31/2016

The student will examine spatial correlates of drug-resistant tuberculosis. Mentee: David Bui. Role: Co-mentor (with Louis Grandjean).

NASA Undergraduate Fellowship, \$3000, 5/21/14-8/19/14

The student will examine factors related to climate and health. Mentee: Angelica Alvarez. Role: Co-mentor (with Joellen Russell).

Undergraduate Research Opportunities Consortium (UROC) Minimizing Health Disparities, \$4000, 6/1/2014-8/25/14. The student will examine health disparities in obesity-related risk factors along the US-Mexico border. Mentee: Jane Otenyo. Role: Mentor.

AHEC research award, \$5000, 1/1/2014-12/31/2014.

The student will examine latent tuberculosis infection among migrant populations on the United States and Mexico border. Mentee: Obiyo Osuchukwu. Role: Mentor.

Pending Research Grants

1. \$638,586 - National Science Foundation. Modeling, Predicting and Controlling Epidemics: From Agents to Graphs, PI, 9/1/2021-8/31/24
2. \$12,000,000 - National Science Foundation. HDR Institute: Data Science for Transportation, Epidemiology and Power (DataSTEP) Co-I, 9/1/2021-8/31/26
3. \$2,214,216 – National Institutes of Health Increasing COVID-19 vaccine uptake among Latinos through a targeted clinical and community-behavioral intervention, Co-I, 09/01/2021-08/21/2024
4. \$1,200,000 – NSF Data Lifecycle of Pandemic Spread and Mitigation with Graphical Models, Co-PI, 07/2021-06/2024
5. \$3,147,642 - NIH Rad-X Wastewater. Wastewater Surveillance for Simultaneously Understanding Community Prevalence of SARS-CoV-2 and Chemicals Indicating COVID-19 Comorbidity, Co-I, 01/01/2021-12/31/2022
6. \$2,500,000 - National Institutes of Health. Tailored Behavioral Intervention to Prevent Household and Community Spread of COVID-19 among Latinos, Co-I, 04/01/2021-03/31/2026
7. \$1,234,666 – Moores Cancer Center U54 National Institutes of Health. Health Disparity Impacts of Air Pollution on Lung Cancer and Respiratory Morbidities. Co-PI, 09/01/2020-08/30/2023

Participation in Professional Associations

1. Society for Research in Nicotine and Tobacco, 2019-present
2. Council for State and Territorial Epidemiologists, 2017-present
3. Society for Behavioral Medicine, 2017-present
4. International Union against TB and Lung Disease, 2016-present
5. American College of Epidemiology (Fellow), 2014-present
6. American Society of Tropical Medicine & Hygiene, 2014-2015
7. American Thoracic Society, 2013-present
8. Washington Behavioral Risk Factor Surveillance System Technical Advisory Committee, 2011
9. International Epidemiological Association, 2011-present
10. Tuberculosis Epidemiologic Studies Consortium Protocol Team (TO21), 2010
11. CDC TB Genotyping Information Management System Advisory Group, 2009-2011

12. Tuberculosis Epidemiologic Studies Consortium Protocol Consultant (TO26), 2009
13. Translating Research into Practice, TB Epidemiologic Studies Consortium, 2008-2011
14. International Union against TB and Lung Disease NAR Abstract Committee, 2008-present
15. Vulnerable Populations Action Team, Seattle-King County Public Health, 2007-2011
16. Washington State TB Advisory Council, 2006-2008
17. Council of State and Territorial Epidemiologists, 2006-2007, 2018-2019
18. Society for Epidemiologic Research, 2004-2012, 2019-present
19. American Public Health Association, 2002-2011, 2019-2020
20. Academy for Health Services Research and Health Policy, 2000-2002

TEACHING EFFECTIVENESS

Advising

a. Undergraduate advising/independent study

Dates	Student Name	Roles	Student Awards/ Accomplishments
2020	Thalia Loi	499 credits, Vaping	Undergraduate, Nursing
2019-2020	My Hoang	499 credits, Tobacco	Undergraduate, Interdisciplinary Studies
2019	Marlenne Velazquez	Project Advisor	Partnership Scholar UCSD/SDSU
2019	Frannie Kuesis	499 credits, Tobacco	Undergraduate, Nutrition
2019	Becky Pietrunka	499 credits, Tobacco	Undergraduate, Nutrition
2017-2018	Xiela Edusada	499 credits, Climate and health	Undergraduate, Public Health
2015-2016	Justin John Frere (Honors)	Research credits, TB and Texting	Undergraduate, Biology, MD/PhD student
2015-16	Merrion Dawson	Internship Advisor	Medical School
2014	Jane Otenyo	UROC Program Project Advisor	MPH program
2014	Quyyumun Rabby	Frontera Program Project Advisor	MPH program
2014	Angelica Alvarez	Project Advisor	NASA Undergraduate Fellowship awardee

b. Master's level advising and committees

Dates	Student Name	Roles	Section
2020-2021	Kim Savin (PhD)	Masters Chair	Epidemiology
2020-2021	Erin South	Masters Chair	Epidemiology
2020-2021	Elsa Ghebrendrias	Committee Member	Epidemiology
2019-2020	Londyn Grey	Masters Chair	Epidemiology
2019-2020	Citlali Alvarado	Masters Chair	Epidemiology
2019-2020	Emily Bruno (MD)	Masters Chair	Epidemiology
2019-2020	Raleigh Bacharach	Capstone Preceptor	Health Behavior
2019-2020	Kimberly Thornton	Capstone Member	Epidemiology
2019-2020	Lawrence Ayers	Capstone Member	Epidemiology
2019-2020	Melissa Molina	Advisor/Capstone Member	Epidemiology
2018-2020	Madhumitha Ravindran	Advisor/Capstone Chair	Epidemiology
2018-2020	Billie Lockett	Advisor/Capstone Chair	Epidemiology
2018-2019	Casey Barber	Masters Chair	Epidemiology
2018-2019	Hayley Koslik	Masters Chair	Epidemiology
2018-2019	Sandra Yun	Masters Chair	Epidemiology
2018-2019	Briana Thrift	Faculty Mentor/Masters Chair	NIMHD Minority Health International Research Training Program
2018-2019	Saanjh Boyani	Faculty Mentor	NIMHD Minority Health International Research Training Program
2018-2019	Morgan Dennis	Capstone Member	Epidemiology
2017-2019	Kelly Red	Advisor/Capstone Chair	Epidemiology

2017-2019	Daisy Lopez	Advisor/Capstone Member	Epidemiology
2017-2019	Jacqueline Barsamian	Advisor/Masters Chair	Epidemiology
2017-2019	Franchesca Ramirez	Advisor	Epidemiology
2017-2018	David Luong	Capstone Chair	Epidemiology
2017-2018	Vanessa Nevarez	Capstone Chair	Epidemiology
2017-2018	Kristina Mardinian	Capstone Member	Epidemiology
2016-2017	Travis Connors	Advisor	Epidemiology
2016-2017	Gianna Mattio	Advisor	Epidemiology
2016-2017	Brittani Rawlins	Internship Committee Member	Epidemiology
2016-2017	Jane Otenyo	Internship Committee Member	Global Health
2016-2017	Nick Schweers	Internship Committee Member	Epidemiology
2016-2017	Tanzida Zaman	Internship Committee Member	Epidemiology
2016-2017	Christian Mpoke (MD)	Internship Committee Chair	Epidemiology
2016-2017	Rachel Kreisberg	Internship Preceptor	Epidemiology
2015-2016	Maisal Goe	Internship Committee Chair	Epidemiology
2015-2016	Quyyun Rabby	Internship Committee Member	Epidemiology
2015-2016	Sam Packard	Internship Committee Chair	Epidemiology
2015-2016	Kimberly Fajardo	Internship Committee Chair	Epidemiology
2015-2016	Erika Barrett	Internship Committee Chair	Epidemiology
2015-2016	Sho Taniguchi	Internship Committee Chair	Epidemiology
2014-2016	Lauren Aboud	Advisor	Epidemiology
2014-2016	Jennifer Brauneis	Advisor	Epidemiology
2014-2015	Thomas Cahir	Advisor	Epidemiology
2014-2015	Sam McGuffin	Advisor	Epidemiology
2014-2016	Stephen Barnes	Internship Committee Chair/Advisor	Epidemiology
2014-2015	Rebecca Scranton	Internship Committee Member	Epidemiology
2014-2015	Karen Gonzales	Internship Committee Chair	Epidemiology
2014-2015	Enid Quintana Torres	Internship Committee Chair/Advisor * SWEA Arizona Scholarship	Epidemiology
2014-2015	Chelsi White	Advisor	Epidemiology
2014-2015	Robyn Blust	Advisor * International Union against TB conference travel award; UA graduate school travel award	Epidemiology
2013-2014	Megan McLawhorn	Internship Committee Member	Epidemiology
2013-2014	Cameron Price	Internship Committee Member	Health Promotion
2013-2014	Andrea Mannell	Internship Committee Member	Epidemiology
2013-2014	Shauna Durbin	Internship Committee Member	Health Policy
2013-2014	Clark Alves	Internship Committee Member	Health Promotion
2013-2014	Obiyo Osuchukwu	Internship Committee Member * AHEC research award	Global Family Child Health
2013-2014	Mariana Casal	Internship Committee Chair	Epidemiology

c. Graduate Independent Studies/Research Assistants

Dates	Student Name	Topic Area	Program/ Accomplishments
2020-	Adrienne Suazo	Tobacco/Social Epi	PhD--Epidemiology
2020-	Adam Hunn	Tobacco	MPH—Epidemiology
2020-	Cesar Arevalo	Tobacco	MPH—Epidemiology
2020-	Alejandro Gonzalez	COVID-19	MPH—Epidemiology/LAS
2019-	Jose Magraner	Tobacco	MPH—Epidemiology
2019-2020	Kimberly Thornton	Tobacco	MPH—Epidemiology
2019-2020	Kai Roach	Tobacco	MPH--Epidemiology
2019-	Khusnnora Satybaldiyeva	Tobacco	MPH—Epidemiology (Graduate Equity Fellowship, TRDRP Supplement)
2017-2019	Sandra Yun	Tobacco	MPH--Epidemiology
2017-2018	Purva Jain	Infectious Disease and Cancer	PhD—Epidemiology

2017-2019	Casey Barber	Tobacco	MPH—Epidemiology (TRDRP Supplement)
2017-2018	Taufa Islam	Hepatitis A	MPH—Epidemiology
2017	Intan Purnajo	Hepatitis A	MPH--Epidemiology
2016-2017	David Bui	TB in Peru	PhD – Epidemiology (Fulbright awardee)
2016-2017	Ana Florea	Gastric Cancer	PhD – Epidemiology (Electra Paskett Scholarship Travel Award for the Top-Ranked Pre-doctoral fellow, ASPO)
2016-2017	Kenzie Schaefer	Tuberculosis	Undergraduate, Public Health
2015-2016	Lisa Driscoll	<i>Helicobacter pylori</i> perceptions	MD/MPH--Epidemiology
2015-2016	Melissa Manoogian (Valdez)	Microbiome in a nursing facility	PhD – Environmental Health
2014-2015	Chelsi White	Food desert maps in Tucson	MS – Epidemiology
2013-2014	David Bui	Analysis of Hepatitis A and <i>Helicobacter pylori</i> co-infection	PhD – Epidemiology
2013-2014	Lindsay Kohler	Analysis of demographic health survey data in Ghana	PhD – Epidemiology

d. MS Thesis Committees

<u>Dates</u>	<u>Student Name</u>	<u>Roles</u>	<u>Topic</u>	<u>Department</u>
2019	Derek Conkle-Gutierrez	Thesis Committee Member (MS)	TB epigenetic regulation	Bioinformatics
2017-present	Tal Shmaya	Thesis Committee Member (MS)	TB genome associations	Bioinformatics
2017-2018	Sankar Sridaran (MD)	Thesis Advisor (MPH)	Firefighter cardiometabolism	Epidemiology
2015-2016	Elizabeth Dahlmann	Thesis Committee Chair (MS)	Influenza immunology and disparities	Epidemiology
2014 - 2015	Victoria Hansen	Thesis Committee Member (MS)	Infectious disease trends in the U.S.	Epidemiology

e. Service on Dissertation (JDP) Committees – San Diego State University/UCSD

<u>Dates</u>	<u>Student Name</u>	<u>Roles</u>	<u>General Topic</u>	<u>Section</u>
2020-present	Gabriel Carrasco Escobar	Committee member	Socio-environmental drivers of malaria epidemiology	Global Health
2020-present	Pieter Baker	Committee member	Police interventions and substance abuse	Global Health
2019-present	Michael Ediau	Committee member	Circumcision for HIV prevention	Global Health
2019-present	Julie Cakici	Committee member	Equitable access to genomic technology	Health Behavior
2019-present	Sara McElroy	Committee member	Air pollution and respiratory health	Epidemiology
2019-present	Paige Sheridan	Committee member	Air pollution and lung cancer survival	Epidemiology
2018-2020	Erin Delker	Committee member	Life course approach to cardiovascular disease	Epidemiology
2018-2020	Erin Richard	Committee member	Kidney disease and cognition	Epidemiology
2017-present	Pedro Kremer	Committee member	Tobacco control policies	Epidemiology

f. Service on Dissertation Committees – University of Arizona

<u>Dates</u>	<u>Student Name</u>	<u>Roles</u>	<u>General Topic</u>	<u>Section</u>
2016-2017	Ellen Santos	Committee member	Sociobehavioral factors in Malaria	Epidemiology

2016-2017	Yongchen Zhang	Committee member	Electronic cigarettes	Management Information Systems
2016-2018	Luis Valdez	Committee member	Migrant health	Health Promotion
2015-2017	Elise Lopez	Committee member	Community violence in Arizona	Family and Child Health
2015-2020	Melissa Manoogian	Committee member	Nursing home microbiome	Environmental Health
2015-2017	Lindsay Kohler	Committee member	Vitamin D and colorectal cancer	Epidemiology
2015- 2018	David Bui	Committee member	Tuberculosis in Peru * Fulbright Scholarship Winner	Epidemiology
2014-2016	Mallorie Fiero	Committee member	Novel methods for missing data in CRT	Biostatistics
2013-2017	Nancy Stroupe	Committee member	Acute Respiratory Infection in Kenya	Epidemiology

g. Service on Dissertation Committees – Other

<u>Dates</u>	<u>Student Name</u>	<u>Roles</u>	<u>General Topic</u>	<u>Institution</u>
2021	Andrew Basham	External Reviewer	Tuberculosis	University of British Columbia

h. Post-doctoral Advising/Mentoring

2020-present	Jennifer Felner	Post-doctoral Fellow, SDSU
2019-present	Sarah Buchan	Assistant Professor, Dalla Lana School of Public Health, University of Toronto

Extent of Teaching

a. Courses taught at San Diego State University (Course Director)

Semester	Course Name
Fall 2020	PH 601 Introduction to Epidemiology (majors) (n=37)
Fall 2020	PH 250 Infections and Epidemics (General Education) [developed, not taught]
Spring 2020	PH 625 Control of Infectious Diseases [developed, not taught]
Spring 2020	PH 700a Social Epidemiology
Fall 2019	PH 601 Introduction to Epidemiology (majors) (n=33)
Summer 2019	PH 450/497/650 Global Health in Peru (n=13)
Spring 2019	PH 700a Social Epidemiology* (n=9)
Fall 2018	PH 601 Introduction to Epidemiology (majors) (n=38)
Spring 2018	PH 601 Introduction to Epidemiology (non-majors) (n=30)

b. Courses taught at University of Arizona (Course Director)

Semester	Course Name
Summer 2017	CPH 459 Survey of Infectious Disease Epidemiology**
Spring 2017	EPID 479 Infections and Epidemics
Fall 2015	EPID 671 Social Epidemiology
Summer 2015	EPID 309 Introduction to Epidemiology**
Spring 2015	EPID 479 Infections and Epidemics*
Fall 2014	EPID 671 Social Epidemiology
Summer 2014	CPH 459 Survey of Infectious Disease Epidemiology*
Fall 2013	EPID 671 Social Epidemiology*

*New course

**Course reformatted to summer session study abroad

c. Courses taught at University of Washington (Teaching Assistant)

2010 **Graduate Teaching Assistant**, Department of Epidemiology, University of Washington.
Course: Introduction to Epidemiology (~170 enrollees)

2008-2009 **Graduate Teaching Assistant**, Department of Epidemiology, University of Washington Course:
Emerging Infections of International Public Health Importance (~25 enrollees)

2005-2010 **Clinical Instructor**, University of Washington Department of Health Services

2006 **Epidemiology tutor**, Population Health Fellowship Program, University of Washington

2004 Developed "Introduction to STATA" course for incoming students, Department of
Epidemiology, University of Washington

d. Guest Lectures and Seminars

Semester	Course Name and Lecture Title
Spring 2021	PH 625 Control of ID – COVID-19 Mitigation Measures
Fall 2020	FPM 259A JDP Epi Practicum - Conceptualizing Race in Social Epidemiology
Spring 2019-2020	PH 700 Cancer Epidemiology—Infectious Disease and Cancer
Fall 2019	PH 700G UCSD Preventive Medicine Residency Program—Social Epi
Fall 2019	PH 601 Epidemiologic Methods – Bias Assessment
Fall 2018	PH 800 Doctoral Seminar—Networking and Professional Organizations
Spring 2018	PH 800 Doctoral Seminar—Epidemiology Doctoral Studies
Fall 2019/2017	PH 800 Doctoral Seminar—Writing and Publishing in Biomedical Science
Fall 2017-2020	PH 621 Infectious Disease Epidemiology--TB
Fall 2017	PH 700 Adolescent Health: Asthma interventions in adolescence: family, community and school contexts
Spring 2017	CPH 309 Introduction to Epidemiology—TB and new tools
Spring 2017	EPID 670 Chronic Disease Epidemiology—Interface between Chronic and Infectious Diseases
Fall 2016	CPH 309 Introduction to Epidemiology—Infectious Diseases
Fall 2016	CPH 400 Contemporary Community Health Problems – Infectious Diseases in the United States
Fall 2016	Honors College Colloquium—Stress, Asthma and Health Disparities
Spring 2016	BIOS 675 Clinical Trials—Pilot and Feasibility Studies
Spring 2016	CPH 533 Global Health (graduate) -- TB: Local to Global
Spring 2016	CPH 309 Introduction to Epidemiology
Fall 2015	CPH 309 Introduction to Epidemiology – Public health tools – Case Example of Tuberculosis
Spring 2015	School of Geography Colloquium-- Tuberculosis transmission and the role of place in epidemic propagation: Conceptualizing space and addressing migrant needs
Spring 2015	Micro Lunch, Department of Veterinary Science and Microbiology-- Detection of latent tuberculosis infection by interferon gamma release assays among border populations, United States and Mexico
Spring 2015	EPID 696A Epidemiology Seminar - Latent Tuberculosis Infection among Border Populations
Spring 2015	CPH 533 Global Health (graduate) -- TB: Local to Global
Spring 2015	CPH 433 Global Health- Social Disparities and Epidemiology
Spring 2015	CPH 309 Introduction to Epidemiology – Public health tools in infectious disease epidemiology
Fall 2015	Pulmonary Research Conference, Department of Medicine-- Cough during Infancy and Subsequent Childhood Asthma
Spring 2014	Arizona Global Health Conference-- New technologies in the Fight against Infectious Diseases— using TB as a disease case study
Spring 2014	Sociology Colloquium-- The Social Determinants of Tuberculosis – Theories and Interventions
Spring 2014	EPID 660 Infectious Disease Epidemiology – Airborne Transmission
Spring 2014	CPH 433 Global Health- Social Disparities and Epidemiology
Spring 2014	CPH 309 Introduction to Epidemiology – Public health tools in infectious disease epidemiology

Fall 2014	Undergraduate Biology Research Program Symposium-- Health Disparities in Public Health
Fall 2014	Infectious Disease Fellow Journal Club—Statistics and Study Design
Fall 2014	CPH 400 Contemporary Community Health Problems – Contemporary issues with infectious disease
Fall 2014	CPH 533 Global Health (graduate) -- TB: Local to Global
Spring 2013	EPID 696A Epidemiology Seminar – Urban Tuberculosis Outbreaks
Spring 2013	CPH 433 Global Health- Social Disparities and Epidemiology
Spring 2013	EPID 660 Infectious Disease Epidemiology – Respiratory Transmission
Spring 2013	EPID 660 Infectious Disease Epidemiology – Surveillance Systems

SERVICE

Epidemiology and Biostatistics Division, San Diego State University

1. 2018 *Faculty Judge*, San Diego Epidemiology Research Exchange
2. 2017-present *Member*, Admissions Committee, San Diego State University/UCSD Joint Doctoral Program, Epidemiology
3. 2017-present *Member*, Admissions Committee– San Diego State University SPH Master of Public Health Program in Epidemiology

Departmental (School of Public Health), San Diego State University

1. 2020-2021 *Chair*, Performance Evaluation Committee, San Diego State University SPH
2. 2020-present *Program Director*, SDSU/UCSD Joint Doctoral Program in Public Health
3. 2019-present *Member*, Faculty Search Committee (Public Health - Aging)
4. 2018-present *Member*, Performance Evaluation Committee, San Diego State University SPH
5. 2017-2020 *Member*, Global Health Committee, San Diego State University SPH

College of Health and Human Services, San Diego State University

1. Spring 2018 *Faculty Marshal*, Commencement Ceremony

San Diego State University

1. 2020-Present UCSD-SDSU General Preventive Medicine Residency Program Evaluation Committee
2. 2020-Present *Member*, COVID-19 Coordination Team
3. 2020 *Judge*, Student Research Symposium
4. 2019-Present *Member*, Institutional Review Board

Departmental and College Committees, University of Arizona/Washington

1. 2016-2017 *Member*, Qualifying Exam Committee, Department of Epidemiology & Biostatistics, University of Arizona
2. 2015-2016 *Faculty Advisor*, Graduate Public Health Poster Forum, University of Arizona
3. 2014 *Organizer*, *Helicobacter pylori* symposium, University of Arizona
4. 2014 *Member*, Dean Review Committee, College of Public Health, University of Arizona
5. 2013 *Guest Reviewer*, Grantsmanship for a Winning Proposal (EPID 652)
6. 2013 *Judge*, M.P.H. Internship Conference, College of Public Health, University of Arizona
7. 2013-2017 *Member*, Admissions Committee, Department of Epidemiology & Biostatistics, University of Arizona
8. 2013-2014 *Member*, Subcommittee for development of EPI undergraduate track, College of Public Health, University of Arizona
9. 2004 Developed "Introduction to STATA" course for incoming students, Department of Epidemiology, University of Washington

10. 2003-2004 *Student Member, Curriculum Committee, Department of Epidemiology, University of Washington*

University Committees, University of Arizona

1. 2017 *Search Committee, Research and Development Services*
2. 2016 *Advisor, International Alliance for the Prevention of AIDS*
3. 2015-present *Member, OneHealth Consortium, University of Arizona*
4. 2015 *Grant Reviewer, Global Change Graduate Interdisciplinary Committee (GIDP) Dissertation Improvement Grants, University of Arizona*
5. 2014-2017 *Member, Research Computing Governance Committee*
6. 2013 *Judge, Environmental Research Grad Blitz*

Professional Organization Service

1. 2021 *Abstract Reviewer, American Society of Preventive Oncology*
2. 2020 *Moderator, PREPARE (Pandemic Research for Preparedness & Resilience) Conference*
3. 2020 *Moderator, Association of Schools & Programs in Public Health: Public Health Careers Webinar (1,030 attendees)*
4. 2020-present, *Member, PhD Working Group, American Thoracic Society*
5. 2019-present, *Chair, Education Committee, American College of Epidemiology*
6. 2019-present, *Annual Conference Planning Committee, American College of Epidemiology*
7. 2019-present *Faculty Mentor, American College of Epidemiology*
8. 2018 *Moderator, Roundtable: 'Using Social Media, Mobile Apps and Other Relevant Tools to Reduce Health Disparities.' American Public Health Association Conference*
9. 2018-present *Member, Scholarship of Teaching and Learning Task Force, ASPPH's Academy of Teaching and Learning*
10. 2018-present *Member, American Thoracic Society Informing Health Care Decisions with Observational Research Committee*
11. 2018-2019 *Mentor, Behavioral Science and Health Services Research Assembly*
12. 2018 *Facilitator, Poster Discussion Session: 'Optimizing Asthma Care Across Diverse Patients.' American Thoracic Society International Conference. San Diego, CA*
13. 2017-present *Member, Environmental Health Committee, Council of State and Territorial Epidemiologists (CSTE)*
14. 2016-present *Member, Global Burden of Disease Collaborator Network*
15. 2016-2017 *Vice Chair (President-Elect), American College of Epidemiology Publications Committee*
16. 2016-present *Member, American Thoracic Society, Evidence Synthesis Methodology Workgroup*
17. 2015-present *Member, American College of Epidemiology Publications Committee, abstract reviewer*
Member, American Thoracic Society, Behavioral Science and Health Services Research Assembly Program Committee
18. 2014-2017 *Member, Epidemiology and TB Control Planning Committee, Heartland National TB Center*
Poster reviewer, American College of Epidemiology annual meeting
19. 2013-2016 *Member, American Thoracic Society, Microbiology, TB and Pulmonary Infection Web*
Member, RESULTS-TB, Working Group on MDR-TB of the Stop TB Partnership
Member, Stop TB Partnership New Diagnostics Working Group
20. 2012-2013 *Invited participant, Centers for Disease Control Surveillance Systems Consultation*

Editorial and Reviewing Service

1. 2021 *Ad hoc grant reviewer, Clinical Research and Field Studies of Infectious Diseases Study*

- Section, NIH
2. 2021 *Special Emphasis Panel, NIAID Emergency COVID-19/SARS-CoV-2, NIH*
3. 2020 *External Reviewer for Tenure, Promotion, and Renewal, Texas State University*
4. 2020 *Special Emphasis Panel, NIAID Emergency COVID-19/SARS-CoV-2, NIH*
5. 2020 *Ad hoc grant reviewer, Infectious, Reproductive, Asthma and Pulmonary Conditions Study Section, NIH*
6. 2020 *External Advisory Work Group Member, Department of Biostatistics and Epidemiology, College of Public Health, East Tennessee State University*
7. 2019-present *Guest Handling Editor, PLOS ONE special issue on Health Disparities Research*
8. 2019 *Planning Committee, CSTE/CDC Climate and Respiratory Summit*
9. 2019 *Grant reviewer, Health Research Council of New Zealand*
10. 2019 *Ad hoc grant reviewer, Clinical Research and Field Studies of Infectious Diseases Study Section, NIH*
11. 2018 *External Reviewer for Tenure, Promotion, and Renewal, Brigham Young University*
12. 2018-2019 *Grant reviewer, Czech Science Foundation*
13. 2018-2019 *Grant reviewer, Netherlands Organisation for Health Research and Development*
14. 2018-2019 *Grant reviewer, PIMSA Research Program on Migration and Health.*
15. 2015-present *Invited abstract reviewer, Union World Conference on Lung Health (NAR/Global)*
16. 2012-2013 *Invited reviewer for Quality Assurance for TB Surveillance Data manual (Centers for Disease Control and Prevention)*
Invited reviewer for Basic Epidemiology for Tuberculosis Program Staff (New Jersey Medical School Global TB Institute)

Editorial Boards

1. 2020-present Editorial Board, International Journal of Environmental Research and Public Health
2. 2020-present Editorial Advisor, BMC Infectious Diseases
3. 2018-present Academic Editor, PLOS One
4. 2016-2020 Section Editor, Tuberculosis and Mycobacterial Disease, BMC Infectious Diseases
5. 2014-present Associate Academic Editor, BMC Infectious Diseases

Community Engagement

1. 2021-present *Advisory Group, Museum of Contemporary Art San Diego*
2. 2019-present *Volunteer, High School Science Olympiad – Regional Competition, San Diego*
3. 2015-2016 *Classroom Coordinator, Khalsa Camden Montessori, Southern Arizona Research, Science and Engineering Fair, Tucson*
4. 2014-2017 *Board of Directors (formerly Community Advisory Board), Owl & Panther (Expressive Arts for Refugees, Tucson)*
5. 2013-2017 *Health Equity Workgroup, Healthy Pima Initiative, Tucson*
6. 2012 *Judge, Nathan Hale High School Mock Global Health Summit, Seattle*

Selected Media Interviews/Reports

1. 2020, “10 Epidemiologists and Infectious Disease Experts On Whether They Are Sending Their Kids Back to School,” Time Magazine, 8/28/2020
2. 2020, “Forget Spas and Bars. Hotels Tout Housekeeping to Lure Back Travelers,” New York Times, 8/4/2020
3. 2020, “FAQ on COVID-19 Precautions: What You’ve Been Wanting To Ask the Experts,” https://newscenter.sdsu.edu/sdsu_newscenter/news_story.aspx?sid=78082
4. 2020, Interviewed for the story, “Pacific Beach Emerging As Coronavirus Hot Spot,” Claire Trageser, KPBS, aired July 7, 2020

5. 2020, Interviewed by Channel 7 NBC, San Diego, CA, on increased in COVID-19 in San Diego, aired June 29, 2020
6. 2020, Interviewed for the story, “Bars are open, but masks are required? Shifting coronavirus rules stir confusion,” Soumya Karlamangla, Los Angeles Times, June 20, 2020
7. 2020, Interviewed for the story, “California Governor Defends Reopening, Urges Public Caution,” Kathleen Ronayne, AP, June 15, 2020
8. 2020, Interviewed by Telemundo, San Diego, CA, on Coronavirus contact tracing, aired May 5, 2020
9. 2020, Interviewed for the story, “San Diego Gearing Up To Deploy Hundreds Of Coronavirus Trackers,” Claire Trageser, KPBS, aired May 5, 2020
10. 2020, Interviewed for the story, “What new April numbers reveal about the pandemic’s San Diego impact,” Randy Dotinga, Voice of San Diego, May 5, 2020
11. 2020, Interviewed by Channel 10 KGTV (ABC), San Diego, CA, on emerging Coronavirus in Wuhan, China, aired January 28, 2020 and February 2, 2020
12. 2018, Interviewed by BioPharm Insight (Globaldata) for a story on *Helicobacter pylori* treatment.
13. 2018, Featured story, ASPPH Friday Letter, “Respiratory Syncytial Virus Tracking using Internet Search Engine Data,” October 4, 2018.
14. 2018, Featured story, ASPPH Friday Letter, “SDSU: A Randomized Cross-Over Clinical Trial of Unfiltered Cigarettes,” September 27, 2018.
15. 2017, Interviewed for the story “UA Research Says *H. Pylori* Needs Much Closer Attention” on *Helicobacter pylori*, by Robin Tricoles, UA News, June 6, 2017.
16. 2017, Interviewed by Public Health Minute with William Latimer on stress and asthma, aired June 7, 2017.
17. 2016, Featured story, ASPPH Friday Letter, “Arizona Researcher Examines Latent Tuberculosis Infection in the U.S.–Mexico Border Region,” December 15, 2016.
18. 2016, Featured story, ASPPH Friday Letter, “Arizona Study Examines Link between Stressful Life Events during Adolescence and Asthma,” December 1, 2016
19. 2015, Interviewed by Channel 4 KVOA (NBC), Tucson, Arizona, on *Helicobacter pylori* in Arizona, aired January 7, 2015.
20. 2014, Interviewed by Channel 4 KVOA (NBC), Tucson, Arizona, on the evolving ebola outbreak, aired Oct 13, 2014.
21. 2010, Interviewed for the story “Funds needed to fight drug resistant TB” by Julie Cechvala in Real Change, March 24, 2010. <http://realchangenews.org/index.php/site/archives/3998>

Consultancies

1. 2021-present **Consultant**, Monuments of Cycling
2. 2017-2019 **Consultant**, Pima County Health Department Tuberculosis Program
3. 2014 **Consultant**, Global Fund to Fight AIDS, Tuberculosis and Malaria (Vietnam)
4. 2011-2014 **Consultant**, Program for Appropriate Technology in Health (PATH) (Tanzania, Ethiopia, Cambodia, Mexico, Democratic Republic Congo)

Editorial – Journal Reviews

1. 2020-present, PLOS Medicine
2. 2020-present, Gut
3. 2019-present, Cancer Causes & Control
4. 2019-present, Helicobacter
5. 2019-present, Clinical Gastroenterology and Hepatology
6. 2019-present, Cancer Epidemiology, Biomarkers and Prevention
7. 2019-present, PLOS Pathogens
8. 2019-present, Clinical Trials

9. 2019-present, Royal Society of Tropical Medicine and Hygiene
10. 2018-present, BMC Health Services Research
11. 2018-present, Gastroenterology
12. 2018-present, Health Services and Outcomes Research Methodology
13. 2017-present, American Journal of Preventive Medicine
14. 2017-present, Journal of the National Cancer Institute
15. 2017-present, Environmental Health Perspectives
16. 2017-present, European Respiratory Journal
17. 2017-present, American Journal of Tropical Medicine & Hygiene
18. 2017-present, Pediatrics
19. 2017-present, Annals of Epidemiology
20. 2016-present, BMJ Open
21. 2016-present, BMC Research Notes
22. 2014-present, Salud Pública de México
23. 2014-present, International Journal of Environmental Research and Public Health
24. 2014-present, Clinical Epidemiology
25. 2014-present, BMC Infectious Diseases
26. 2013-present, Eurosurveillance
27. 2013-present, JAIDS
28. 2013-present, Public Health Reports
29. 2013-present, PLOS ONE
30. 2013-present, Social Science and Medicine
31. 2013-present, The Lancet Infectious Diseases
32. 2011-present, American Journal of Public Health
33. 2010-present, Interdisciplinary Perspectives on Infectious Disease



**APPLICATION FOR SERVING AS A PUBLIC MEMBER ON THE SAN
DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT GOVERNING
BOARD**

INSTRUCTIONS: Please complete this form in its entirety. Note the additional requirements listed on the third page.

Submit the completed application and your resume to the Clerk of the Air Pollution Control District Governing Board at APCDPublicComment@sdcounty.ca.gov or, you may send your application to 10124 Old Grove Road, San Diego, CA 92131. **Applications are due no later than March 23, 2021.**

Gómez

Last Name

Georgette

First Name

The APCD Governing Board meets at times mutually satisfactory to the members. Day meetings are more common than evening meetings. Will you be able to schedule your time accordingly?

☒ Yes

☐ No

Have you ever been affiliated with an entity that is regulated by the Air Pollution Control District?

☐ Yes

☒ No

If yes, please list them here:

What required area of expertise are you seeking to represent on the APCD Governing Board?

☐ Physician/Public Health Professional

☒ Environmental Justice Interests

☐ Science/Technology Background in Air Pollution

***Candidates are required to submit evidence of their qualifications by including a resume with this application and may be asked to provide additional information, as needed.**

Please summarize your experience that demonstrates your interest and proven ability in the field of air pollution control and your understanding of the needs of the general public in connection with the air pollution problems of San Diego County.

I was born in Barrio Logan, one of the historical environmental justice communities in our region. My lived experience has driven my commitment to addressing environmental justice in our region by dedicating my life to public service. I have been a community organizer for more than two decades. I led efforts to prevent the re-permitting of the South Bay Power Plant in Chula Vista, address incompatible land use in Barrio Logan and Old Town National City, and advocate the Port of San Diego to address its air pollution. I served in the Southeastern Planning Group and City Heights Planning Group and helped form the Barrio Logan Planning Group, since it was one of the few communities without representation. To advance similar efforts in my new community of City Heights, another community that suffers from significant air pollution, I ran for elected office and used my elected position to address air pollution through the implementation of San Diego's Climate Action Plan. As part of MTS and SANDAG, I drove the efforts in both agencies to develop a bold agenda to address air pollution and other greenhouse emissions. At MTS, in partnership with the community, I helped the agency develop a plan to transition the fleet to Zero Emission Vehicles while improving our

STATEMENT OF OCCUPATIONAL EXPERIENCE

Self-employed	
Current Employer	
Job Title	2/01/2021 Dates of Employment

Previous Employers	Position Title	Dates of Employment
City of San Diego	Councilmember	12/2016-12/2020
Environmental Health Coalition	Associate Director	12/2014-2016

List past county appointments with dates served, and other past or present community or public service appointments.

Committee/Organization Name	Dates Served
SANDAG (Board member & Transportation Committee member)	12/2016-12/2020
MTS (Board member & Board Chair)	12/2016-12/2020
City Heights Planning Group	2011- 2015
Southeaster Area Planning Group	2010 - 2012

Membership qualifications for the APCD Governing Board are as follows:

Qualifications. All public members shall reside within the boundaries of San Diego County and shall be appointed on the basis of their demonstrated interest and proven ability in the field of air pollution control and their understanding of the needs of the general public in connection with the air pollution problems of the San Diego County. Specific qualifications for each of the three (3) public Board members, as established by Health & Safety Code section 40100.6(a)(4)(A)–(C), are as follows:

1. One public member shall be a ***physician or public health professional*** actively practicing within the boundaries of the San Diego County. The member's specialty shall be in the health effects of air pollution on vulnerable populations.
2. One public member shall be a ***person representing environmental justice interests*** and who works directly with communities within the boundaries of the San Diego County that are most significantly burdened by, and vulnerable to, high levels of pollution, including communities with diverse racial and ethnic populations and communities with low-income populations. This member may be a resident of that community and have a demonstrated record of community leadership.
3. One public member shall be a ***person with a scientific or technical background in air pollution***, such as an environmental engineer, chemist, meteorologist, or air pollution specialist.


NOTE: Public members will be appointed by the San Diego County Air Pollution Control District Governing Board. Each public member will serve a four-year term and is entitled to receive compensation for participation on the Governing Board. Please review [Assembly Bill 423 \(AB 423\) SEC. 6. Section 40100.6](#) for details.

Please note that this application is a public record subject to disclosure. This application will be maintained for a period of one year.

By signing below, I declare that the information provided above is accurate and complete to the best of my knowledge.

Georgette Gómez

Applicant's Name



Applicant's Signature


03/19/2021

Date

CONTACT INFORMATION

Gómez	Georgette
<i>Last Name</i>	<i>First Name</i>

Note: Personal information may be withheld from public view as allowed by law.

	San Diego	CA	92105
<i>Home Street Address</i>	<i>City</i>	<i>State</i>	<i>Zip</i>
same			
<i>Mailing Address (if different than home address)</i>	<i>City</i>	<i>State</i>	<i>Zip</i>
same			
<i>Business Street Address</i>	<i>City</i>	<i>State</i>	<i>Zip</i>
<i>Home Phone #</i>	<i>Business Phone #</i>		
			
<i>Mobile Phone #</i>			
			
<i>E-Mail Address</i>			

Georgette Gómez



San Diego, CA 92105

Phone 

EDUCATION

Bachelor of Arts in Environmental and Natural Resource Geography Analysis, San Diego State University, CA

AWARDS

- *2017 Legislator of the Year, The San Diego Psychological Association*
- *2017 Environmental Justice Leadership Award, California Environmental Justice Alliance*
- *2017 Environmental Justice Champion Award, Environmental Health Coalition*
- *2014 Visionary Award, Cesar Chavez Commemorative Committee*
- *2014 Baker's Dozen: People Who Made San Diego a Better Place, San Diego Free Press*
- *2013 FEAT Award, Sierra Club*
- *2013 Voice of the Year, Voice of San Diego*

RELATED EXPERIENCE

- 2015 Participate in Transportation Equity Summit
- 2011- 2015 Elected member, City Heights Area Planning Group
- 2010 - 2012 Elected member, Southeaster Area Planning Group
- 2010 - Lead to US Environmental Protection Agency, Department of Housing and Urban Development and Department of Transportation select National City for their Sustainable Community Program
- 2008 - 2010 Elected member, City Heights Project Area Committee
- 2005 - 2007 Elected member, Barrio Logan Project Area Committee

RELATED EDUCATION

- 2005 Affordable Housing Training, Sue Reynolds, Community Housing Works
- 2005 Introduction to Transit, Alan Hoffman, The Mission Group
- Geographies of Cities: survey of location, function and spread of cities; the spatial and functional arrangement of activities in cities, leading to an analysis of current urban problems: sprawl, city decline, metropolitan transportation.
- Land Use Analysis, problems of maintaining environmental quality in the process of land conversion from rural to urban uses with emphasis on land capability and suitability studies.

EMPLOYMENT

2016 – 2020 Councilmember, City of San Diego

- 2019 - 2020 Council President
- 2018 - 2019 Chair of Metropolitan Transit System
- 2016 - 2020 Metropolitan Transit System Boardmember
- 2016 - 2020 SANDAG Boardmember

2004 – 2016 Environmental Health Coalition

- 2010 - 2016 *Associate Director*. Directed the following campaigns: Toxic Free Neighborhoods, Clean Ports, Transportation Justice, Border Environmental Justice, and Climate Justice
- 2009 – 2010, *Campaign Director*, Toxic Free Neighborhoods Campaign. Oversaw Barrio Logan, National City and City Heights community-driven land use projects.
- 2008-2009, *Policy Advocate*, Toxic Free Neighborhoods Campaign. Coordinated efforts to incorporate community vision into the Barrio Logan Community Plan Update.
- 2004-2008 *Community Organizer*, Clean Bay Campaign. Educated and empowered residents in western Chula Vista around key land use planning, social and environmental issues in the community (Bayfront Master Plan Development, South Bay Power Plant)

2004-2004 *Crisis Counselor, Center for Community Solutions, San Diego, CA.*

- Provide crisis counseling, information and referrals to clients on the DV and SA Hotline
- Assist in entering agency statistical information and generating reports

2003-2004 *Co-editor, Agent Apple, Oakland, CA*

- Assisting in the editing of the content of the book
- Assisting in the layout of the book

2002-2003 *Special Educator-Private Contractor, Southern Arizona AIDS Foundation—Omeyocan Youth Empowerment, Tucson, AZ*

- Assisted in the development of the sexuality and cultural portion of the project
- Taught 12th graders sexuality class with an emphasis on cultural identity and political analysis

2002-2002 *Summer School Educator, Southeast Secondary School, Tucson, AZ*

- Taught a 7th grade Woman's Empowerment summer class

2000-2002 *Long-term editor, Earth First! Journal, Tucson, AZ*

- Assisted in the production of the journal
- Edited and wrote the content of the journal
- Assisted in the running of the business

1998-2000 *Bilingual Instructional Assistant, Encanto Elementary School, San Diego*

- Taught English as a Second Language (ESL) classes to monolingual Latino youth
- Taught a 3rd grade special education student
- Assisted 1st and 5th graders with their classroom curriculum, such as math, science, social science, reading, and writing

1999-2000 *Tutor, San Diego, CA*

- Taught a 1st grader on various classroom curriculums

1999-2000 *Music and Book Assistant, Borders Books and Music, San Diego, CA*

- Trained new employees

- Assisted customers
- 1993-1994 *Administrative Student Intern City of San Diego, Water Utilities
Department-Water Production Division, San Diego, CA*
- Assisted in the collection and organization of the Water Production Data
 - Organized reservoir maps, pipeline maps, and reservoir study data

ADDITIONAL BACKGROUND

- Bilingual (English/Spanish)
- *Computer Skills:* WordPerfect, Microsoft Word, Lotus 123, Excel, SPSS, Geographic Information Systems, Adobe Photoshop, and PageMaker

REFERENCES

Available upon request



**APPLICATION FOR SERVING AS A PUBLIC MEMBER ON THE SAN
DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT GOVERNING
BOARD**

INSTRUCTIONS: Please complete this form in its entirety. Note the additional requirements listed at the bottom of the second page.

Please note that this application is a public record subject to disclosure. This application will be maintained for a period of one year. After one year, it is necessary to file a new application for another year of eligibility.

Submit the completed application to the Clerk of the Air Pollution Control District Governing Board at APCDPublicComment@sdcounty.ca.gov or, you may send your application to 10124 Old Grove Road, San Diego, CA 92131

Hurst, PhD

Samantha

Last Name

First Name

The APCD Governing Board meets at times mutually satisfactory to the members. Day meetings are more common than evening meetings. Will you be able to schedule your time accordingly?

☒ Yes

☐ No

What required area of expertise are you seeking to represent on the APCD Governing Board?

☒ Physician/Public Health Professional

☒ Environmental Justice Interests

☐ Science/Technology Background in Air Pollution

Please summarize your experience that demonstrates your interest and proven ability in the field of air pollution control and your understanding of the needs of the general public in connection with the air pollution problems of the County of San Diego.

My application to this board position is supported by both my professional role as a public health research scientist and my volunteer activity as strong environmental justice advocate. My professional work is focused on community health disparities, particularly those in underrepresented and rural populations who face higher exposure to pollutants and who experience greater health deficits in response. Adverse health outcomes result from racism to class bias to housing market costs and also notably the residential proximity to environmental hazards. As an East County resident, I have been actively involved in several areas of environmental advocacy: (1) opposition to the Cottonwood Open Pit Sand Mining, (2) the conservation of Fanita Ranch and opposition to development in very high risk fire zone, (3) the "No Houses" on Carlton Oaks Golf/River project, and (4) the recent assessment of an air toxic "hot spot" located in the Sycamore landfill. All four of these project issues (if not abated) share significant and adverse impacts from air pollution due to residential proximity to environmental hazards that either currently exist or would certainly be triggered if projects (#1,2,3) were approved. My application to this board is to ensure active promotion of environmental health justice and health protection not only to my community but throughout San Diego County where others potentially are affected by harmful exposure.

STATEMENT OF OCCUPATIONAL EXPERIENCE

UCSD - Herbert Wertheim School of Public Health and Longevity Science

Current Employer

Project Scientist

Job Title

Started 5/1/2001

Length of Employment

Previous Employers

Position Title

Length of Employment

NOTE: Membership qualifications for the APCD Governing Board are as follows:

Qualifications. All public members shall reside within the boundaries of the County of San Diego and shall be appointed on the basis of their demonstrated interest and proven ability in the field of air pollution control and their understanding of the needs of the general public in connection with the air pollution problems of the San Diego County. Specific qualifications for each of the three (3) public Board members, as established by Health & Safety Code section 40100.6(a)(4)(A)–(C), are as follows:

1. One public member shall be a **physician or public health professional** actively practicing within the boundaries of the County of San Diego. The member's specialty shall be in the health effects of air pollution on vulnerable populations.
2. One public member shall be a **person representing environmental justice interests** and who works directly with communities within the boundaries of the County of San Diego that are most significantly burdened by, and vulnerable to, high levels of pollution, including communities with diverse racial and ethnic populations and communities with low-income populations. This member may be a resident of that community and have a demonstrated record of community leadership.
3. One public member shall be a **person with a scientific or technical background in air pollution**, such as an environmental engineer, chemist, meteorologist, or air pollution specialist.

By signing below, I declare that the information provided above is accurate and complete to the best of my knowledge.






Applicant's Signature

Date

CONTACT INFORMATION

Note: Personal information may be withheld from public view as allowed by law.

Hurst, PhD	Samantha
<hr/>	<hr/>
<i>Last Name</i>	<i>First Name</i>

	Santee	CA	92071
<hr/>	<hr/>	<hr/>	<hr/>
<i>Home Street Address</i>	<i>City</i>	<i>State</i>	<i>Zip</i>
<hr/>	<hr/>	<hr/>	<hr/>
<i>Mailing Address (if different than home address)</i>	<i>City</i>	<i>State</i>	<i>Zip</i>
	La Jolla	CA	92093
<hr/>	<hr/>	<hr/>	<hr/>
<i>Business Street Address</i>	<i>City</i>	<i>State</i>	<i>Zip</i>
<hr/>		<hr/>	<hr/>
<hr/>	<hr/>	<hr/>	<hr/>
<i>Home Phone #</i>	<i>Business Phone #</i>		
			
<hr/>	<hr/>		
<i>Mobile Phone #</i>			
			
<hr/>			
<i>E-Mail Address</i>			
<hr/>			

Samantha Hurst, Ph.D., M.A.

Herbert Wertheim School of Public Health and Human Longevity Science
University of California, San Diego

La Jolla, CA 92093-0725

Office:

Mobile:

Email:

EDUCATION

Post-Doctoral Fellowship in Medical Anthropology ■ June 1998-2001, Scripps Research Institute

Doctorate in Biological Anthropology ■ 1997, University of Tennessee, Knoxville

Master of Arts in Anthropology ■ 1990, San Diego State University

Bachelor of Arts in Exercise Physiology ■ 1980, San Diego State University

PERSONAL STATEMENT

My academic training in the sciences and anthropology draws on a wide range of subdiscipline areas - cultural, biological, and medical anthropology – and combines theory with empirical study. My primary research interest underscores vulnerable populations and cross-cultural influences that explore human well-being within the intersection of public health, environment, culture, and social politics. As a qualitative methodologist my focus is guided within a process of naturalistic inquiry to explore and develop understanding of health and illness phenomena and meaning-making agents in individual and community life.

I have served as a co-investigator and consultant on studies covering a broad range of medical disciplines and important health disparity topics -- such as alcohol and drug misuse, tobacco/vape cessation, chronic pain, PTSD and mild traumatic brain injury symptomatology, secondary stroke prevention, residential proximity to environmental toxins, breast and colorectal cancer screening, COVID vaccination distribution. These experiences have afforded me the opportunity to work closely with a significant number of well-respected principal investigators in a variety of medical research areas, both in the U.S. and internationally. These projects have afforded me the privilege of working in many unique cultural and ethnic communities, which include Australian Aborigines, New Zealand Maoris, American Indians, Yoruba of Nigeria, Pacific Islanders, East African refugees, American Muslim, Latino and African American communities, and U.S. military (active duty and veterans).

PROFESSIONAL EXPERIENCE

Research/Consulting

05/91 to 08/91	Research Assistant, Department of Anthropology, National Museum of Natural History - Smithsonian Institution, Washington DC
06/93 to 12/96	Graduate Research Assistant, Graduate School of Medicine, University of Tennessee, Developmental and Genetics Center
05/01 to 12/05	Research Associate, Division of Community Pediatrics, University of California, San Diego,
07/07 to 2019	Research Health Science Specialist (WOC), Department of Research Service, Department of Veterans Affairs Medical Center, San Diego
12/08 to 06/09	Research Associate, Department of Psychiatry, University of California, San Diego
8/1/12 to 02/14	Consultant/Evaluator for the Office of Victims Crime, AI/AN SANE-SART Training Initiative, Southern Indian Health Council, Alpine, California.

07/09 to 06/15	Assistant Project Scientist, Family Medicine and Public Health, Division of Health Policy, University of California, San Diego
07/15 to 06/19	Associate Project Scientist, Family Medicine and Public Health, Division of Behavioral Medicine, University of California, San Diego
07/19 to 10/20	Project Scientist, Family Medicine and Public Health, Division of Behavioral Medicine, University of California, San Diego
11/20 to current	Project Scientist, Herbert Wertheim School of Public Health and Human Longevity Science, Division of Behavioral Medicine, University of California, San Diego

Teaching

08/98 to 6/08	Adjunct Professor, California State University San Marcos, Department of Anthropology
09/99 to 04/01	Lecturer, University of California, San Diego, Department of Anthropology
07/04 to present	Adjunct Professor, Mesa Community College, San Diego, Department of Anthropology
04/07 to 04/10	Lecturer, University of California, San Diego, Department of Anthropology
09/10 to 09/11	Faculty Facilitator for Introduction to Health Care System, University of California, San Diego School of Medicine.
1/15 to present	Faculty, Joint Doctoral Program in Public Health, University of California, San Diego.
9/15 to present	Faculty, UCSD CREST Master's Program in Clinical Health Services Research, University of California, San Diego

PUBLICATIONS:

Peer Reviewed Presentations

Hurst S, C Garcia-Andrade, V Wong, P Lau CL Ehlers (1999). Associations of Alcohol Dependence with Cultural Identification and Perceived Parental Attitudes in Mission Indians. Poster presented at the Research Society of Alcoholism Scientific Meetings, June 1999.

Lefler L and S **Hurst** (2000). Gender Analysis among Native American Youth at a Regional Indian Health Service Treatment Center. Poster presented at the Research Society of Alcoholism Scientific Meetings, June 2000.

Hurst S, D Gilder, P Lau, E Philips, M Walpole, and C Ehlers (2000). Influence of Age and Gender on Patterns of Alcohol Use in California Mission Indians. Poster presented at the Research Society of Alcoholism Scientific Meetings, June 2000.

Hurst, S, D Gilder, P Lau, E Phillips and C Ehlers (2001). Posttraumatic Stress Disorder and Alcohol Dependence in California Mission Indians. Poster presented at the Research Society of Alcoholism Scientific Meetings, June 2001.

Hurst S and LJ Lefler (2001). American Indian Adolescents and Co-Morbidity Treatment Issues. Paper presented at the American Association of Anthropology Meetings, November 2001.

Hurst S (2002). The History of Human Infanticide: Re-Examining the Influence of Cultural Patterns. Poster presented at the San Diego Conference on Child and Family Maltreatment, San Diego, California, February 6, 2003.

Hurst S and P Nader (2004). What Works in Primary Prevention for Indigenous People of the Pacific Rim. Paper accepted at the 18th World Conference on Health Promotion and Health Education, Melbourne, Australia, April 2004.

Hurst S, B Anders, D Sidelinger, G Crummer, G Blaschke, P Nader and V Reznik (2004) All My Relations: Teaching Pediatric Residents in American Indian Communities. Poster presented at the Pediatric Academic Meetings, May 2004.

Bormann, JE, **Hurst S**, Thorp S, Wetherell JL, Golshan S (2008). Mantram Repetition Practice to Manage PTSD in Veterans: A Preliminary Qualitative Analysis. Poster presented at the VA HSR&D National Meeting, "Implementation Across the Nation," Baltimore, MD, February 13-15, 2008.

Bormann, J., **Hurst S**, Thorp, S. Schnack, J., Gershwin, M., Kelly, A., Becker, S., Bone, P. (2009). Spiritual Mantram Practice for Managing Hyperarousal in Veterans with PTSD. Paper presented at the 14th International Conference on Violence, Abuse, and Trauma (IVAT), San Diego, CA.

Bormann JE, **Hurst S**, Thorp SR, Glaser D. (2010). Spiritually-based mantram repetition to manage PTSD in Veterans: A qualitative analysis of use and outcomes. Paper presented at Society of Behavioral Medicine Annual Meeting. April 10, 2010; Seattle, WA.

Bormann JE, **Hurst S**, Thorp S, Kelly A, Bone P, von Kaenel L., Lang, A (2010). Application of a Psycho-Spiritual Mantram Intervention to Manage PTSD Symptoms in Veterans: A Qualitative Analysis. Abstract accepted for the "Implementing a Public Health Model for Meeting the Mental Health Needs of Veterans," conference sponsored by VA Employee Education System and Office of Mental Health Services, July 27, 2010, Baltimore, MD.

Bormann, JE, Thorp S, Wetherell JL, **Hurst S** (2010). Empirical Findings on the Health Benefits of Mantram Repetition: A Portable Contemplative Practice. Paper presented at the American Psychological Association Annual Convention, August 12, 2010, San Diego, CA.

Hurst, S, Calvitti A, Greci L, Ramloll R, Garman K, Beedasy J, Pieper EB, Huang R, Hoffman H, Cardenas M, Kho R, Gates M, Higginbotham E, Porteous T, Agha Z (2011). Towards High-Resolution Ethnography for Evaluation of Team-Oriented Virtual Reality Training for Medicine. Paper presented at "Medicine Meets Virtual Reality 18/ NextMed" Conference, February 10, 2011, Newport Beach, CA.

Bormann J, **Hurst S**, Thorp S, Kelly A, Bone P, von Kaenel L, Lang A (2013). *Mantram Repetition to Manage PTSD in Veterans: A Qualitative Analysis*. Poster for Research and Information Exchange (RI&E) at the Western Institute of Nursing 46th Annual Communicating Nursing Research Conference, Anaheim, CA, April 10-13, 2013.

Pittman JOE, **Hurst, S**, Carol D, Lindamer L, Edwards C, Lohr J. (2013, August). *Factors affecting access to VA mental health services among homeless veterans: A qualitative study*. Presentation at the August 2013 VA Virtual Homeless Online Conference.

Rodgers CS, Vu A, Lindamer L, **Hurst S**, Lang AJ (2013, September). *Providing training in evidence based PTSD psychotherapy for community based providers*. Poster accepted at the 18th annual International Conference & Summit on Violence, Abuse & Trauma. San Diego, CA.

- Hurst S** (2014, April). *Integrated Care in Underserved Ethnic Communities*. Paper presented at the 22th NIMH Conference on Mental Health Services Research (MHSR), “MHSR 2014: Research in Pursuit of a Mental Health Care System.” Natcher Conference Center on the NIH Campus, Bethesda, MD, April 24, 2014.
- Hurst S** (2014, May). *Meeting the Needs of Integrated Care in Underserved Ethnic Communities*. Paper presented at the 4th International Conference on Sociology and Social Work, Davidson Center on the University of Southern California campus, May 20, 2014.
- Hurst S.** (2014, June) *Cultural Competence in an Integrated Healthcare Setting*. Paper presented at AcademyHealth Research Meeting, San Diego, California.
- Rodgers CS, **Hurst S**, Vu A, Lindamer L, & Lang AJ (2014, November). *Dissemination of Evidence Based Treatments for PTSD: A Qualitative Analysis*. Poster accepted at the annual meeting of the International Society of Traumatic Stress Studies, Miami.
- Lang AJ, Casmar P, Good R, **Hurst S**, Essex M, Harrison T, & Negi L (2016, February). *Developing compassion meditation as a PTSD intervention for Veterans*. Poster presented at the Military and Veteran Resiliency Medicine Summit, San Diego, CA.
- Strong DR, Dimofte CV, Leas EC, **Hurst S**, Villaseñor A, Oratowski-Coleman J, Jeong E, Pierce JP. (2016, March) *Appeal of Tobacco Product Packaging: Influences of Removing Brand Imagery at Smoking Research Nicotine and Tobacco 2016 annual meeting*, Chicago, IL.
- Abudu B, Willies-Jacobo L, **Hurst S**, Wooten W, Faine-Sykes N (2016, July). *Hair Care Practices Among African American Women in San Diego*. Accepted Poster presentation at the American Psychological Association Division 45 Research Conference, Stanford University, Palo Alto, CA.
- Lang AJ, Casmar P, Good R, **Hurst S**, Essex M, Harrison T, Negi L. (2016, November). Data-driven Iterative Refinement of Cognitively Based Compassion Training for Veterans with PTSD. In L. Negi (Chair), *Clinical Implications of Cognitively-Based Compassion Training (CBCT)*. Panel presentation at the International Symposium for Contemplative Studies (ISCS), San Diego, CA.
- Lang AJ, **Hurst S**, Good R, Aiello M, Gevirtz R, Casmar P, Essex M, Harrison T, Negi L (2017, April). An Open Trial of Compassion Meditation for PTSD: Initial Results and Mechanisms of Change. In B. Niles (Chair), *Building an Evidence Base for Complementary and Integrative Treatment Approaches for PTSD*. Symposium at the Annual Meeting of the Anxiety and Depression Association of America, San Francisco, CA.
- Mendoza-Vasconez A, Medina A, Munoz M, Larsen B, **Hurst S** (2017). "If We Knew That Exercise Could Be Our Medicine": Perceptions of Latinas in Low-Income Clinics. Poster Presentation at the ACSM's 65th Annual Meeting, 9th World Congress on Exercise is Medicine® and World Congress on the Basic Science of Muscle Hypertrophy and Atrophy. American College of Sports Medicine. Accepted for May 2017.
- Mendoza-Vasconez A, Medina A, Munoz M, Larsen B, **Hurst S** (2017). Perceived benefits, sources of motivation, and facilitators of physical activity among Latinas in low-income clinics. Poster Presentation at the 39th SBM Annual Meeting & Scientific Sessions. Society of Behavioral Medicine, April 2017.
- Mendoza-Vasconez A, Medina A, Munoz M, Larsen, B, **Hurst S.** (2018). "If We Knew That Exercise Could Be Our Medicine": Perceptions of Latinas in Low-Income Clinics. Poster Presentation at the ACSM's 65th Annual

Meeting, 9th World Congress on Exercise is Medicine® and World Congress on the Basic Science of Muscle Hypertrophy and Atrophy. American College of Sports Medicine, May 2018.

Villasenor A, Velloze I, Angebrandt A, Stone M, Oratowski J, Ridenour C, Pulvers K, **Hurst S**, Strong D, Pierce J. (2018). Validating Novel Evaluations of Consumer Reactions to Health Warnings on Cigarette Packaging Designs. Post Presentation for the American Public Health Association Conference, November 2018, San Diego CA.

Hurst S, Chai T, Chae A, Wang J, Oratowski J, Stone, M, Ridenour C, Pulvers K, Villasenor A, Strong D, Pierce J. (2018). Perceptions of cigarette brand packaging: A qualitative study of how different graphic images affect smokers. Post Presentation for the American Public Health Association Conference, November 2018, San Diego CA.

Mendoza-Vasconez A, Arredondo EM, Crespo N, **Hurst S**, Larsen B, Marcus BH, Natarajan L (2019). Demographic, Psychosocial and Environmental Predictors of Time to Lapse/Relapse in Physical Activity Interventions. Poster Presentation at the 39th SBM Annual Meeting & Scientific Sessions. Society of Behavioral Medicine, March 2019.

Wells S, Aarons GA, Glassman LH, Jaime K, Martinez Ceren P, Schnitzer J, Chiong C, Mackintosh MA, Tu X, **Hurst S**, Morland LA (2019). Examining Veterans' Reasons for Dropping out of Prolonged Exposure Therapy: A Mixed-Methods Study. Poster to be presented at the 35th annual meeting of the International Society for Traumatic Stress Studies, Boston, MA, November 2019.

Nodora J, Bradley SM, Taylor JC, **Hurst S**, James A, Gupta S, Liu L, DaCosta C, Hekler E, Rabin BA (2019). Meaningful stakeholder engagement at federally qualified health centers using implementation science and agile science strategies to improve colorectal cancer screening. Poster to be presented at the 12th Annual Conference on the Science of Dissemination and Implementation in Health, Arlington, VA, December 2019.

DaCosta C, Bradley SM, Tucker S, Rabin BA, **Hurst S**, Gupta S, Liu L, Alvarez F, James A⁴, Nodora J (2020). Using a process map to identify workflow and intervention points for colorectal cancer screening in community health centers. Poster to be presented at the 44th Annual American Society of Preventive Oncology Conference, Tucson, AZ, March 2020.

Manuscripts

Hurst S, Nader P (2006) "Building Community Involvement in Cross-Cultural Indigenous Health Programs." *International Journal for Quality in Health Care*, 18(4):294-298.

Ehlers CE, **Hurst S**, Phillips E, Gilder DA, Dixon M, Gross A, Lau P, Yehuda R (2006) "Electrophysiological Responses to Affective Stimuli in American Indians Experiencing Trauma with and without PTSD." *Annals of the New York Academy of Sciences*, 1071:125-136.

Greci LS, Ramloll R, **Hurst S**, Garman K, Beedasy J, Pieper EB, Huang R, Higginbotham E, Agha Z (2013). vTrain: A Novel Curriculum for Patient Surge Training in a Multi-User Virtual Environment (MUVE). *Prehospital and Disaster Medicine*, 28(3):215-222.

Bormann JE, **Hurst S**, Kelly A (2013). Responses to a Mantram Repetition Program from Veterans with posttraumatic stress disorder: A qualitative analysis. *Journal of Rehabilitation Research & Development*, 50(6):769-784.

Owolabi MO, Akinyemi RO, **Hurst S**, Arulogun O, Olaniyan O, Gebregziabher M, et al. (2014) Tailored hospital-based risk reduction to impede vascular events after stroke (THRIVES) study: Qualitative phase protocol. *Critical Pathways in Cardiology*, 12(1):29-35.

Hurst S, Arulogun, SO, Owolabi, MO, Akinyemi, R, Uvere, E, Warth S, Ovbiagele, B (2015). Pretesting Qualitative Data Collection Procedures to Facilitate Methodological Adherence and Team Building in Nigeria. *International Journal of Qualitative Methods*, 14: 53-64.

Olanrewaju O, Owolabi MO, Akinyemi RO, Salako, BL, **Hurst S**, Arulogun O, Gebregziabher M, Uvere E, Ovbiagele B (June 2015) Cost and cost-effectiveness analysis of a bundled intervention to enhance outcomes after stroke in Nigeria: Rationale and design. *eNeurologicalSci*, 1(2):38-45.

Linke, SE, Noble, M, **Hurst S**, Redwine, L, Strong, DR, Norman, SB, & Lindamer, LA (2015). Formative research examining exercise in the context of substance abuse treatment. *Journal of Psychoactive Drugs*. Published online June 22, 2015.

Vijayaraghavan M, **Hurst S**, Pierce JP (2015). A qualitative examination of smoke-free policies and electronic cigarettes among sheltered homeless adults. *American Journal of Health Promotion*, 31(3): 243-250. <http://dx.doi.org/10.4278/ajhp.150318-QUAL-781>.

Vijayaraghavan M, **Hurst S**, Pierce JP (2015). Implementing tobacco control programs in homeless service settings – A Mixed Methods Study. *Health Promotion Practice*, December 17, 2015. <http://dx.doi.org/10.1177/1524839915618364>.

Brockway J, St. De Lore J, Fann JR, Hart T, **Hurst S**, Fey-Hinckley, Savage J, Warren M, Bell KR. (2016). Telephone-delivered problem-solving training after mild traumatic brain injury: Qualitative study of service members' perceptions. *Rehabilitation Psychology*, 61(3):221-230. doi: 10.1037/rep0000077

Mikal JP, **Hurst S**, Conway M (2016) Ethical Issues in using Twitter for Population-Level Depression Monitoring: A Qualitative Study. *BMC Medical Ethics*, 17:22 doi:10.1186/s12910-016-0105-5

Arulogun O, **Hurst S**, Owolabi MO, Akinyemi RO, Uvere E, Saulson R, Ovbiagele B (2016) Experience of using an interdisciplinary task force to develop a culturally sensitive multipronged tool to improve stroke outcomes in Nigeria. *eNeurologicalSci*, 4:10-14. <http://dx.doi.org/10.1016/j.ensci.2016.04.003>

Hurst S, Arulogun O, Owolabi MO, Akinyemi RO, Uvere E, Warth S, Fakunle G, Ovbiagele B (2016) The Use of qualitative methods in developing implementation strategies in prevention research for stroke survivors in Nigeria. *Journal of Clinical Hypertension*, 18(10):1015-1021. doi: 10.1111/jch.12817

Ojeda V, Hiller S, **Hurst S**, Jones N, McMenamin S, Burgdorf J, Gilmer T. Implementation of age specific services for transitional age youth in California (2016). *Psychiatric Services*, 67(9):970-976. <http://dx.doi.org/10.1176/appi.ps.201500084>.

Gilmer T, Henwood B, McGovern N, **Hurst S**, Burgdorf J, Innes-Gomberg D (2017). Health Outcomes and costs associated with the provision of culturally competent services for underrepresented ethnic populations with severe mental illness. *Administration and Policy in Mental Health and Mental Health Services Research*. 44(5):782-791. <https://doi.org/10.1007/s10488-016-0786-6>.

- Ojagbemi A, Owolabi M, Akinyemi RO, Arulogun O, Akinyemi JO, Akpa O, Sarfo F, Uvere E, Saulson R, **Hurst S**, Ovbiagele, B (2017). Prevalence and predictors of anxiety in an African sample of recent stroke survivors. *Acta Neurologica Scandinavica*, 13(6):617-623. DOI:10.1111/ane.12766.
- Mikal J, **Hurst S**, Conway M (2017). Investigating patient attitudes towards the use of social media data to augment depression diagnosis and treatment: a qualitative study. Proceedings of the Fourth Workshop on Computational Linguistics and Clinical Psychology – From Linguistic Signal to Clinical Reality. August 2017 Association for Computational Linguistics, pp 41-47. <http://www.aclweb.org/anthology/W/W17/W17-3105.pdf>
- Pagones R, Lee JL, **Hurst S** (2017). Long-term acupuncture therapy for low-income older adults with multimorbidity: A qualitative study of patient perceptions. *Journal of Alternative and Complementary Medicine*, 24(2):1161-167. DOI:10.1089/acm.2017.0239
- Hurst S**, Maiya M, Casteel D, Sarkin AJ, Libretto S, Elwy AR, Park EL, Groessl EJ (2017). Yoga therapy for military personel and veterans: Qualitative perspectives of yoga students and instructors. *Complementary Therapies in Medicine*. <https://doi.org/10.1016/j.ctim.2017.10.008>
- Akinyemi R, Owolabi M, **Hurst S**, Arulogun O, Ovbiagele B (2017). Baseline data from the first implementation research trial among stroke survivors in Sub-Saharan Africa. [World Congress of Neurology WCN17-2966 Abstract 1085]. *Journal of the Neurological Sciences*, Volume 381, Supplement; 391. (October 15, 2017) <https://doi.org/10.1016/j.jns.2017.08.3320>
- Crist K, Bolling K, Schipperijn J, **Hurst S**, Takemoto M, Sallis JF, Badland H, Kerr J (2017). Collaboration between physical activity researchers and transport planners: A qualitative study of attitudes to data driven approaches. *Journal of Transport & Health*. <http://doi.org/10.1016/j.jth.2017.11.142>.
- Lang AJ, Casmar P, **Hurst S**, Harrison T, Golshan Shahrokh, Good R, Essex M, Negi L (2017). Compassion Meditation for Veterans with Posttraumatic Stress Disorder (PTSD): A Nonrandomized Study. *Mindfulness*. <https://doi.org/10.1007/s12671-017-0866-z>
- Hurst S**, Macauley K, Awdishu L, Sweeney K, Hutchins S, Namba J ... Zheng, A. (2017). An autoethnographic study of interprofessional education partnerships. *Journal of Research in Interprofessional Practice and Education*, 7(1), 1-13. <http://dx.doi.org/10.22230/jripe.2017v7n1a262>
- Takemoto M, Lewars B, **Hurst S**, Crist K, Nebeker C, Madanat H, Nichols J, Rosenberg DE, Kerr J. (2018). Participants' perceptions on the use of wearable devices to reduce sitting time: Qualitative analysis. *Journal of Medical Internet Research*, 6(3): e73. <http://dx.doi.org/10.2196/mhealth.7857>.
- Hurst S**, Conway, M. (April 2018) Exploring physician attitudes regarding electronic documentation of e-cigarette use: A qualitative pilot study. *Tobacco Use Insights*, 11:1-7. <http://doi.org/10.1177971/17137X918737X8128877892>
- Fonseka RW, **Hurst S** (2018). Learning from our mothers: examining the role of intergenerational knowledge transfer in advancing gender equity among Sri Lankan youth. *The Lancet Global Health*, 6(S2):S48.
- Brockway JA, St. DeLore J, Fann JR, Hart T, **Hurst S**, Fey-Hinckley S, Savage J, Warren M, Bell K. (August 2018). Expressions of emotional distress in active duty military personnel with mild traumatic brain injury: A qualitative content analysis. *Military Psychology* 2018, In Press.
- Anderson CAM, Murray KE, Abdi S, **Hurst S**, Sheik-Mohamed A, Begud B, Marcus B, Nebeker C, Sanchez-Flack JC, Bolling K. (December 2018) Community-based participatory approach to identify factors affecting diet

following migration from Africa: The Hawaash Study. *Health Education Journal*.

<https://doi.org/10.1177/0017896918814059>

Almklov E, Afari N, Floto E, Lindamer L, **Hurst S**, & Pittman J (2020). Post-9/11 Veteran Satisfaction with the VA eScreening Program. *Military Medicine*, 185(3):519-529. doi: 10.1093/milmed/usz324

Crouthamel B; Pearson E; Tilford S; Hurst S; PhD; Paul D; Aqtar F; Silverman J; Averbach S (2020). Out-of-clinic and self-managed abortion in Bangladesh: a qualitative study of menstrual regulation providers. Research Square. <https://doi.org/10.21203/rs.3.rs-44841/v1>

Weiner LS, Nagel SM, Su HI, Hurst S, & Hartman SJ (2020). Pink Body Spirit, a remotely delivered, peer-led physical activity intervention for young breast cancer survivors: Protocol for a feasibility study and mixed methods process evaluation. *JMIR Research Protocols*. doi:10.2196/18420

Pierce JP, Strong DR, Stone MD, Villaseñor A, Dimofte CV, Leas EC, Oratowski J, Brighton E, **Hurst S**, Pulvers K, Kealey S, Chen R, Messer K (2020) Real-world exposure to graphic warning labels on cigarette packages in US smokers: The CASA randomized trial protocol. *Contemporary Clinical Trials*, 98. <https://doi.org/10.1016/j.cct.2020.106152>

Malaktaris A, Lange AJ, Casmar P, Baca S, **Hurst S**, Jeste DV, Palmer BW (2020). Pilot study of compassion meditation training to improve well-being among older adults. *Clinical Gerontologist*, <https://doi.org/10.1080/07317115.2020.1839826>

Mendoza-Vasconez AS, Arrendondo EM, Larsen B, Crespo N, **Hurst S**, Marcus Bess (2020). Lapse, relapse, and recovery in physical activity interventions for Latinas: a Survival Analysis. *International Journal of Behavioral Medicine*. <https://doi.org/10.1007/s12529-020-09943-z>

Book Chapters

Hurst, S and J Laird (2005). “Understanding American Indian Youth Violence.” In Preventing Youth Violence in a Multicultural Society. Nancy Guerra and Emily Phillips Smith (Eds.). American Psychological Association.

Lefler, LJ and **S Hurst** (2007) “The Chickasaw Nation of Oklahoma.” In Encyclopedia of Southern Culture (2nd Edition), Charles R. Wilson, et al. eds., Ethnicity Volume, Celeste Ray [Ed]. Chapel Hill, NC: University of North Carolina Press.

UNDER GRADUATE COURSES TAUGHT

Cultural Anthropology	Advanced Principles of Human Evolution
Biological Anthropology	Anthropology of Medicine
People, Culture, and Environment	Healers & Healing Practices
Human Evolution	Alcohol, Addiction, & Culture
Human Osteology	
Forensic Anthropology	

GRADUATE COURSES TAUGHT

The Anthropology of Medicine
Qualitative Research Methods
Introduction to Mixed Methods Research for Public Health

AWARDS

June 2017 “Golden Apple” Excellence in Teaching Award for the Joint Doctoral Program in Public Health UCSD Department of Family Medicine and Public Health

PROFESSIONAL COMMUNITY SERVICE

2017- 2019 Commissioner, City of San Diego Human Relations Commission
2019 Participant, FBI Citizens Academy
2019 - Member, FBI Citizens Academy Alumni Association

PROFESSIONAL ACADEMIC SERVICE

Reviewer:

2004 Ad Hoc reviewer, *Social Science and Medicine Journal*
2006 Ad Hoc reviewer, Canadian Medical Association Journal
2006 Ad Hoc reviewer, Mc-Graw Hill Publishers
2011 Ad Hoc reviewer, British Medical Journal
2011 Ad Hoc reviewer, Biomed Central – Open Access Publisher
2012 Proposal Review for American Evaluation Association Annual Conference 2012
2013 Proposal Review for American Evaluation Association Annual Conference 2013
2014-15 Ad Hoc reviewer for Department of Veterans Affairs, Office of Research & Development, SPIRES
2014-15 Ad Hoc reviewer, Journal of Interpersonal Violence
2016-2020 Member, Federal Advisory Committee Act, for the RR&D Service Scientific Merit Review Board
2017 Ad Hoc reviewer, International Journal of Qualitative Methods
2019 Ad Hoc reviewer, International Journal for Quality in Health Care
2021 Ad Hoc reviewer, Global Advances in Health and Medicine

UCSD Committees:

2011 - current Member, UCSD/FMPH, Center of Excellence for Health Promotion and Equity
2015 - 2018 Board member, African and African-American Studies Research Center (UCSD)
2018 - current Steering Committee member, UCSD Annual Global Empowerment Summit 2018 – A Time to Rise

Invited Lectures/Presentations:

Aug 2008 Invited Speaker, “Reviewing the Risk Factors associated with Violence and Suicide in American Indian Youth.” Summer Institute on Youth Violence Prevention sponsored by the Southern California Academic Center of Excellence on Youth Violence Prevention, University of California, Riverside and the Center on Culture, Immigration, and Youth Violence Prevention, University of California, Berkeley
March 2009 Invited Lecturer, “Methodological Approaches to Community-Based Participatory Research.” Contemporary Issues in Global Health – TWS 198. University of California, San Diego.

June 2010	Invited Moderator and Round Table Discussant, “Looking Back and Look Forward: The Somali Region of the Ogaden in the 21 st Century.” Institute of Horn of Africa Studies and Affairs 2010 Conference sponsored by the University of Minnesota.
Oct 2010	Invited Lecturer, “What Can We Learn from Qualitative Methods?” Pacific College of Oriental Medicine.
April 2011	Invited Lecturer, “Knowledge and Skills Needed for an Effective CBPR Partnership.” Contemporary Issues in Global Health – TWS 198. University of California, San Diego.
July 2011	Invited Speaker, “Qualitative Research: Enhancing Validity and Reliability,” presented to the Center of Excellence for Stress and Mental Health, VA La Jolla Hospital, La Jolla, California.
May 2012	Invited Lecturer, “Community-Based Participatory Research: Practice and Pragmatism.” Contemporary Issues in Global Health – TWS 198. University of California, San Diego.
May 2012	Invited Lecturer, “Qualitative Research: What is it? Why would you use it in your research project?” Pacific College of Oriental Medicine.
Sept 2013	Grand Round Lecturer, “Designing Effective Interventions to Combat the Global NCD Epidemic (The THRIVES Example): What Can We Learn from Qualitative Research?” University College Hospital, Ibadan, Nigeria.
Feb 2014	Cultural Competency Training “Cultural Competence in the Integrated Healthcare Setting: Impacts, Interactions and Relationships.” Los Angeles County Department of Mental Health, Community-Designed Integrated Service Management Model (ISM).
June 2015	Invited Lecturer, “Using Qualitative Methods to Conduct Individual and Focus Group Interviews.” Azusa Pacific University, School of Nursing.
Oct 2015	Invited Lecturer, “The Importance of Community-Based Participatory Research.” University of California, San Diego, Student Chapter of Engineers Without Borders.
Oct 2015	Invited Lecturer, “Principles of Cross Cultural Medicine and Community-Based Participatory Research.” University of California, San Diego, School of Medicine, Asian Pacific Medical Student Association.
Dec 2015	Invited Speaker “Using Qualitative Methods in Practice-Based Research.” Workshop on Practice-Based Research (PBR) and Pragmatic Studies. Hosted by UCSD Department of Family Medicine and Public Health Center for Excellence in Research Training in Integrative Health, and UCSD Clinical and Translational Research Institute, and UCSD Center for Integrative Medicine.
June 2016	Invited Speaker “The Importance of Qualitative Research to Enrich Research Studies.” UCSD Center for Better Beginnings, Division of Dysmorphology and Teratology, Department of Pediatrics.
Nov 2017	Invited Lecturer, “The Importance of Intercultural Sensitivity in Academic-Community Partnerships.” University of California, San Diego, Student Chapter of Engineers Without Borders. Co-lecturer with Provost Ivan Evans.

Student Instructional Activities:

2002-2006	Faculty facilitator for “From Principles to Practice” seminar on Youth Violence Prevention for fourth year medical students at the University of California, San Diego, School of Medicine.
2004-2005	Thesis committee member for Cynthia S. Edwards, Department of Professional Studies – Forensic Sciences Program, National University, San Diego, CA
Summer 2007	Faculty advisor for Allison M. Jermain, Academic Internship Program, UCSD Anthropology, University of California, San Diego. “The Built Environment and Public Health.”
Spring 2008	Faculty advisor for Jessica Nicholas, Academic Internship Program, UCSD - Biology and International Studies, University of California, San Diego.
Spring 2009	Faculty advisor for Hilary Gould, Academic Internship Program, UCSD - Biological Anthropology, University of California, San Diego.

2012-2013	Faculty mentor for Brandon Kuang, Undergraduate Fieldwork Research in Pamplona Alta, Peru for current cervical screening practices by Peruvian women. Funded by the Doris A. Howell Foundation.
2012-2014	Chairperson for Jay Bulloch, Doctoral candidate in Acupuncture and Oriental Medicine, Pacific College of Oriental Medicine, San Diego, CA. "A Critical Analysis of the Learning and Practice Strategies of Traditional Chinese Medicine Practitioners in Treating Trauma."
2013-2016	ISP Committee Member for Brittany Lyng ('16). USCD School of Medicine. "Empowerment Guided Improvement of Sexual Health Education for Women with Sexually Transmitted Diseases at Risk of Domestic Violence."
2015-2017	ISP Committee Member for Adeola Martin ('17). USCD School of Medicine. "Understanding key socioeconomic factors (SEFs) that contribute to poorer cancer outcomes in underserved populations and exploring ways to reduce/eliminate them."
2015-2017	Dissertation Chairperson for Rachel Pagones, Yo San University of Traditional Chinese Medicine, Culver City, CA. "Long-term acupuncture therapy for low-income adults with multi-morbidity: a qualitative study of patient perceptions."
2017-2018	ISP Committee Member for Arissa Ma ('20). USCD School of Medicine. "Parental voluntariness, decisional regret and anxiety during informed consent for pediatric oncology clinical trials."
2017-2018	Dissertation Committee Member for Stephanie Wells. Joint Doctoral Program in Psychology, University of California, San Diego. "Examining Dropout from Prolonged Exposure Therapy in Veterans with Posttraumatic Stress Disorder: A Mixed Methods Study."
2017-2018	ISP Committee Member for Griffin Tyree ('19). UCSD Master of Advanced Studies in Clinical Research. "Syndemic Psychosocial Conditions and HIV Risk Among Persons Addicted to Whoonga in South Africa."
2018-2019	ISP Committee Member for Gabriela Muranevici ('19). UCSD Master of Advanced Studies in Clinical Research. "Gender and Race/Ethnicity differences among Anthropometry and Body Fat Composition measurements in MESA (Multi-Ethnic Study of Atherosclerosis)."
2017-2019	Dissertation Committee Member for Andrea Mendoza-Vasconez. Joint Doctoral Program in Public Health, University of California, San Diego. "Lapse, relapse, and maintenance of physical activity among Latina Women participating in physical activity intervention."
2019-2020	Master's Thesis Committee Member for Jacob Carson. Masters Public Health Program, University of California, San Diego. "Parkour and Intrinsic Motivation: A Mixed Methods Analysis of Self-Determination Theory in an Emerging Youth Sport."
2020	Scholarly Oversight Committee Member for Emily Batton MD. UCSD Pediatric/NICU Residency Program, "Interviewing Parents about Communication with Language Differences in the NICU."
2020	Training Consultant for F31 Proposal Project for Quynh Dam.
2020	Master's Thesis Committee Member for Francisca Rivera. Global Health Program, University of California, San Diego. "Maternal Mental Health: The Compounded Trauma of Migration and Detention."



**APPLICATION FOR SERVING AS A PUBLIC MEMBER ON THE SAN
DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT GOVERNING
BOARD**

INSTRUCTIONS: Please complete this form in its entirety. Note the additional requirements listed on the third page.

Submit the completed application and your resume to the Clerk of the Air Pollution Control District Governing Board at APCDPublicComment@sdcounty.ca.gov or, you may send your application to 10124 Old Grove Road, San Diego, CA 92131. **Applications are due no later than March 23, 2021.**

Vega

Last Name

Sarina

First Name

The APCD Governing Board meets at times mutually satisfactory to the members. Day meetings are more common than evening meetings. Will you be able to schedule your time accordingly?

☒ Yes

☐ No

Have you ever been affiliated with an entity that is regulated by the Air Pollution Control District?

☒ Yes

☐ No

If yes, please list them here:

AB617

What required area of expertise are you seeking to represent on the APCD Governing Board?

☐ Physician/Public Health Professional

☒ Environmental Justice Interests

☐ Science/Technology Background in Air Pollution

****Candidates are required to submit evidence of their qualifications by including a resume with this application and may be asked to provide additional information, as needed.***

Please summarize your experience that demonstrates your interest and proven ability in the field of air pollution control and your understanding of the needs of the general public in connection with the air pollution problems of San Diego County.

I currently work at Casa Familiar, a community development organization that serves the San Ysidro (District 8). Starting in June 2019, I worked as the Community Air Quality Technician working directly in the development of Casa Familiar's San Ysidro Community Air Monitoring Network. This community-based monitoring network is funded by CARB under AB617 and it involves Casa Familiar and the community to undertake research-level monitoring throughout San Ysidro. Through this program, I directly collaborate with researchers at the University of Washington and San Diego State University to monitor, strategize, and plan around air pollution concerns within the community. Most recently, as the first-ever Environmental Programs Associate at Casa Familiar, I continue to work closely in the implementation of this community-based air monitoring and leverage the data into resources to address the clear link between pollution and social & racial inequity. My environmental justice (EJ) work spans across community engagement, outreach, public health and environmental awareness. My position also requires me to engage with researchers in public health while also relaying information to community members in San Ysidro at an accessible level.

STATEMENT OF OCCUPATIONAL EXPERIENCE

<u>Casa Familiar</u>	
<i>Current Employer</i>	
<u>Environmental Programs Associate</u>	<u>June 2019 - present</u>
<i>Job Title</i>	<i>Dates of Employment</i>

<i>Previous Employers</i>	<i>Position Title</i>	<i>Dates of Employment</i>
<u>Tree San Diego</u>	<u>Program Assistant</u>	<u>January 2020 - present</u>
<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>

List past county appointments with dates served, and other past or present community or public service appointments.

<i>Committee/Organization Name</i>	<i>Dates Served</i>
<u>CA Strategic Growth Council - Partners Advancing Climate Equity</u>	<u>February 2021 - present</u>
<u></u>	<u></u>
<u></u>	<u></u>
<u></u>	<u></u>

Membership qualifications for the APCD Governing Board are as follows:

Qualifications. All public members shall reside within the boundaries of San Diego County and shall be appointed on the basis of their demonstrated interest and proven ability in the field of air pollution control and their understanding of the needs of the general public in connection with the air pollution problems of the San Diego County. Specific qualifications for each of the three (3) public Board members, as established by Health & Safety Code section 40100.6(a)(4)(A)–(C), are as follows:

1. One public member shall be a **physician or public health professional** actively practicing within the boundaries of the San Diego County. The member's specialty shall be in the health effects of air pollution on vulnerable populations.
2. One public member shall be a **person representing environmental justice interests** and who works directly with communities within the boundaries of the San Diego County that are most significantly burdened by, and vulnerable to, high levels of pollution, including communities with diverse racial and ethnic populations and communities with low-income populations. This member may be a resident of that community and have a demonstrated record of community leadership.
3. One public member shall be a **person with a scientific or technical background in air pollution**, such as an environmental engineer, chemist, meteorologist, or air pollution specialist.

NOTE: Public members will be appointed by the San Diego County Air Pollution Control District Governing Board. Each public member will serve a four-year term and is entitled to receive compensation for participation on the Governing Board. Please review [Assembly Bill 423 \(AB 423\) SEC. 6. Section 40100.6](#) for details.

Please note that this application is a public record subject to disclosure. This application will be maintained for a period of one year.

By signing below, I declare that the information provided above is accurate and complete to the best of my knowledge.

Sarina Vega

Applicant's Name

Sarina Isabella Vega

Applicant's Signature

3/10/21

Date

CONTACT INFORMATION

Vega <i>Last Name</i>	Sarina <i>First Name</i>
---------------------------------	------------------------------------

Note: Personal information may be withheld from public view as allowed by law.

[REDACTED] <i>Home Street Address</i>	San Diego <i>City</i>	CA <i>State</i>	92116 <i>Zip</i>
<i>Mailing Address (if different than home address)</i>	<i>City</i>	<i>State</i>	<i>Zip</i>
<i>Business Street Address</i>	<i>City</i>	<i>State</i>	<i>Zip</i>
<i>Home Phone #</i>	<i>Business Phone #</i>		
[REDACTED] <i>Mobile Phone #</i>			
[REDACTED] <i>E-Mail Address</i>	[REDACTED]		

SARINA VEGA

Community-based researcher
+ organizer with a practice
rooted in environmental
justice

contact

skills

ArcGIS Suite
R Studio
Adobe Creative Cloud
Microsoft Office
Google Drive
Social Media Platforms
(Instagram, Facebook, Twitter)

organizing/volunteer work

Books 4 Prisoners San Diego
Divest Smith College
Trans Asylum Seeker Support
Network

languages

Pashto	Beginner
Spanish	Proficient (reading, writing and speaking)

experience

Casa Familiar, San Ysidro, CA - *Environmental Programs Associate*
October 2020 - present

- Co-lead for Thriving Earth Exchange Fellowship + USC M.LArch "Research Scientists"
- Co-lead for San Ysidro Community Air Quality Monitoring Network Border 2020/AB617; surveying, data analysis, outreach, grantwriting, event planning
- CA Strategic Growth Council, Partners Advancing Climate Equity (PACE) Inaugural Cohort Member

Tree San Diego, San Diego, CA - *Outreach Coordinator*
January 2020 - present

- Community development support for 1,575 trees in SB535 communities (Branch Out SD)
- Administrative support in outreach, engagement, translation and research for urban forestry efforts in San Diego

Casa Familiar, San Ysidro, CA - *Community Air Quality Technician*
July 2019 - October 2020

- Research-based co-lead for environmental and EJ equity organizing in San Ysidro; across policy, research, advocacy and intersecting work in mobility, biological research, transportation, public health at local, bi-national, federal and statewide level
- Community Air Monitoring lead in partnership with University of Washington and SDSU
- Primary researcher for San Ysidro-based Community Land Trust (CLT)
- Primary researcher for Community Land Trust Sustainable Alternative Energy Futures

Casa Familiar, San Ysidro, CA - *Financial Empowerment + Opportunity Advisor*
July 2019 - October 2020

- Workforce development specialist for San Ysidro Financial Opportunity Center, serving majority Latinx recent immigrant population of South Bay San Diego
- Distributed \$1.5 million public benefits + \$20,000 COVID-19 Emergency Cash Assistance
- Lead advisor for COVID-19 state, local, regional and mutual aid outreach coordination

Green-Wood Cemetery, New York, NY - *Materials, Design, Landscape & Horticulture Intern*
June 2018 - July 2018

- In-field tree surveyor on climate change impacts for Green-Wood Phenology Project
- GIS data collection and primary research for Cradle Grave Cultivator Program
- Data compilation for monument restoration and conservation

education

Certificate in Geographic Information Systems (GIS), UC San Diego
February 2021 - present | *San Diego, CA*
- Analysis + visualization of geographic and spatial data

B.A. Environmental Science & Policy + Studio Art, Smith College
August 2015 - May 2019 | *Northampton, MA*

- Environmental focus on equitable urban planning + infrastructure on U.S./Mexico border
- Special Studies Spring '17: Indigeneity in Baja /Alta California, Contemporary Transnational Approaches to Climate Change Impacts in San Diego and Tijuana

qualifications

- IRB Certified Researcher
- Thriving Earth Exchange: San Ysidro, CA - Project Description
- UCSD COVID-19 Vaccine Trial Community Advisory Committee Member
- City of San Diego Climate Equity Working Group Member
- "San Ysidro Port-Of-Entry Community Air Study" Border 2020 Final Report, April 2020

SARINA VEGA



**APPLICATION FOR SERVING AS A PUBLIC MEMBER ON THE SAN
DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT GOVERNING
BOARD**

INSTRUCTIONS: Please complete this form in its entirety. Note the additional requirements listed on the third page.

Submit the completed application and your resume to the Clerk of the Air Pollution Control District Governing Board at APCDPublicComment@sdcounty.ca.gov or, you may send your application to 10124 Old Grove Road, San Diego, CA 92131. **Applications are due no later than March 23, 2021.**

Webb	Anna
_____ Last Name	_____ First Name

The APCD Governing Board meets at times mutually satisfactory to the members. Day meetings are more common than evening meetings. Will you be able to schedule your time accordingly?

☒ Yes ☐ No

Have you ever been affiliated with an entity that is regulated by the Air Pollution Control District?

☐ Yes ☒ No

If yes, please list them here:

What required area of expertise are you seeking to represent on the APCD Governing Board?

- ☐ Physician/Public Health Professional
☒ Environmental Justice Interests
☐ Science/Technology Background in Air Pollution

****Candidates are required to submit evidence of their qualifications by including a resume with this application and may be asked to provide additional information, as needed.***

Please summarize your experience that demonstrates your interest and proven ability in the field of air pollution control and your understanding of the needs of the general public in connection with the air pollution problems of San Diego County.

I am a resident of Imperial Beach, California. We are directly impacted by air pollution emanating from the border in San Ysidro. I have worked in many roles within the city of Imperial Beach over the past 5 years and understand the issues here.

Please review my resume and the positions I've served representing our community interests.

My autistic grandsons who live in IB suffer allergies and health issues from the air pollution in IB, as do I and many of my neighbors.

I wish to work with the APCD to effect significant change regarding current air pollution harm and help solve subsequent health issues in our area.

Imperial Beach Community Service:

~Serve on Community Advisory Committee (CAC) representing Imperial Beach for new California CCA energy start-up, San Diego Community Power (SDCP) <https://sdcommunitypower.org>. April

STATEMENT OF OCCUPATIONAL EXPERIENCE

Self-employed dba Critical Mojo Digital Marketing Agency

Current Employer

Founder/Technical Engineer, Marketing

1/2013 to Present

Job Title

Dates of Employment

Previous Employers

Position Title

Dates of Employment

Self-employed

Business/Marketing Consultant

June 2002 - December 2012

Data Processing Sciences

Sales Rep/Network Security Specialist

October 2000-June 2002

Cincinnati Bell/Lucent Technologies

Major Market Representative

June 1997-October 2000

List past county appointments with dates served, and other past or present community or public service appointments.

Committee/Organization Name

Dates Served

San Diego Commission on the Status of Women and Girls/Marketing specialist

January-May 2019

Membership qualifications for the APCD Governing Board are as follows:

Qualifications. All public members shall reside within the boundaries of San Diego County and shall be appointed on the basis of their demonstrated interest and proven ability in the field of air pollution control and their understanding of the needs of the general public in connection with the air pollution problems of the San Diego County. Specific qualifications for each of the three (3) public Board members, as established by Health & Safety Code section 40100.6(a)(4)(A)–(C), are as follows:

1. One public member shall be a **physician or public health professional** actively practicing within the boundaries of the San Diego County. The member's specialty shall be in the health effects of air pollution on vulnerable populations.
2. One public member shall be a **person representing environmental justice interests** and who works directly with communities within the boundaries of the San Diego County that are most significantly burdened by, and vulnerable to, high levels of pollution, including communities with diverse racial and ethnic populations and communities with low-income populations. This member may be a resident of that community and have a demonstrated record of community leadership.
3. One public member shall be a **person with a scientific or technical background in air pollution**, such as an environmental engineer, chemist, meteorologist, or air pollution specialist.

NOTE: Public members will be appointed by the San Diego County Air Pollution Control District Governing Board. Each public member will serve a four-year term and is entitled to receive compensation for participation on the Governing Board. Please review [Assembly Bill 423 \(AB 423\) SEC. 6. Section 40100.6](#) for details.

Please note that this application is a public record subject to disclosure. This application will be maintained for a period of one year.

By signing below, I declare that the information provided above is accurate and complete to the best of my knowledge.

Anna Webb

Applicant's Name

Anna Webb

March 21, 2021


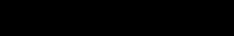

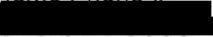

Applicant's Signature

Date

CONTACT INFORMATION

Webb	Anna
<hr/>	<hr/>
<i>Last Name</i>	<i>First Name</i>

Note: Personal information may be withheld from public view as allowed by law.

	Imperial Beach	CA	91932
<hr/>	<hr/>	<hr/>	<hr/>
<i>Home Street Address</i>	<i>City</i>	<i>State</i>	<i>Zip</i>
<hr/>	<hr/>	<hr/>	<hr/>
<i>Mailing Address (if different than home address)</i>	<i>City</i>	<i>State</i>	<i>Zip</i>
<hr/>	<hr/>	<hr/>	<hr/>
<i>Business Street Address</i>	<i>City</i>	<i>State</i>	<i>Zip</i>
			
<hr/>	<hr/>		
<i>Home Phone #</i>	<i>Business Phone #</i>		
			
<hr/>	<hr/>		
<i>Mobile Phone #</i>			
			
<hr/>			
<i>E-Mail Address</i>			

Anna L. Webb

Imperial Beach, CA 91932

Office:

| Mobile:

RESUME

Objective: To serve as environmental justice representative on the APCD Board for the purpose of utilizing my skills and experience to work with and serve the community of Imperial Beach and San Diego County.

Imperial Beach Community Service:

- Serve on Community Advisory Committee (CAC) representing Imperial Beach for new California CCA energy start-up, San Diego Community Power (SDCP) <https://sdcommunitypower.org>. April 2020 to present. Ends January 2022.
- Served on the Imperial Beach Mayor's Task Force for Coronavirus, providing local businesses with funding resources, Executive Team Business Task Force, March 2020 to December 2020.
- Served on the Board of Trustees for the Imperial Beach Neighborhood Center providing resources for the underserved. August 2018 to August 2019.
- Founder and Communications VP, Imperial Beach Democratic Club. February 2017 to January 2019. Currently serve as President of the club.
- Supporter of VIP Village Pre-school and SBUSD special needs programs, Imperial Beach.

Business Management, Sales Experience:

Facilitate and implement new and existing business strategies by listening, participating and recommending best practices within the parameters of the goals at hand.

Critical Mojo, Founder/Marketing and Technology Engineer: January 2013 to Present.

Founded in 2013, I serve as founder, project manager, SEO (search engine optimization) specialist and web developer. Managing a virtual team of San Diego specialists in graphics, coding, social media applications and web development, I serve as consultant to new and existing businesses looking to rejuvenate, reinvent and grow their business.

Business/Marketing Consultant: June 2002 - December 2012.

Cisco Systems Reseller, Network Security Specialist:

Cincinnati, Ohio

October 2000 - June 2002.

Cincinnati Bell/Lucent Technologies, Major Market Representative:

Cincinnati, Ohio

June 1997 - October 2000.

Lamiflow Air Systems, VP of Sales, healthcare equipment:

Cincinnati, Ohio

June 1994 - June 1997.

North Star Marketing, Corporate VP and Director of Sales:

Jenkins, Kentucky

January 1991-June 1994.

Business Qualifications:

- Collaborate with community leaders, board members, managers and members of organizations to develop and manage successful interdepartmental goals.
- Provide public relations, web development, social media and digital marketing for community, community organizations and clients seeking growth and attainment of strategic goals.
- Client Goals: to develop and monitor benchmarks for measuring impact of social media programs using social media analytics, KPIs (Key Performance Indicators), and dashboards, ensuring success for each individual or organization.
- Marketing and public relations, web design and development, social media, analytics, search engine optimization and network security.
- Develop and manage online email and marketing campaigns effectively expanding audiences and increasing awareness of each brand.

Agency and Consulting Experience:

I facilitate relationships and profitability through highly effective strategic planning and marketing. Experienced business manager, Certified Digital Marketing Specialist and Certified Google Local Guide and partner with over 20 years of experience in marketing, sales and management in a variety of industries. These include but are not limited to organizations, government, marketing, healthcare, voice and data, information technology and consultation. This experience, in addition to my keen business acumen and ability to relate in a friendly and relatable way, enables me to serve my duties by understanding both business visions for clients and local social and environmental strategies for our community.

Education

Walnut Hills High School, Cincinnati, Ohio

Graduate

<http://www.walnuthillseagles.com/guidance/walnut-hills-profile.aspx>

<https://www.usnews.com/education/best-high-schools/ohio/districts/cincinnati-public-schools/walnut-hills-high-school-15134>

Cincinnati Metropolitan College, Cincinnati, Ohio
Business Marketing

Associates Degree,

LBU

BA, Business/Marketing

Personal and Professional Skills

Multi-task oriented and self disciplined possessing excellent organizational and motivational skills. Skills include leadership, mentoring and management, excellent customer service skills, ability to communicate and penetrate business at all levels, proposal generation, presentation, ROI and cost justification skills and experience, executive reporting skills and technologically adept. Additional skills include trade show design, set-up and staffing, retail display set-up, inventory management, ordering and quality control.

References provided gladly upon request.



**APPLICATION FOR SERVING AS A PUBLIC MEMBER ON THE SAN
DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT GOVERNING
BOARD**

INSTRUCTIONS: Please complete this form in its entirety. Note the additional requirements listed on the third page.

Submit the completed application and your resume to the Clerk of the Air Pollution Control District Governing Board at APCDPublicComment@sdcounty.ca.gov or, you may send your application to 10124 Old Grove Road, San Diego, CA 92131. **Applications are due no later than March 23, 2021.**

Anderson

Last Name

Craig

First Name

The APCD Governing Board meets at times mutually satisfactory to the members. Day meetings are more common than evening meetings. Will you be able to schedule your time accordingly?

☒ Yes

☐ No

Have you ever been affiliated with an entity that is regulated by the Air Pollution Control District?

☒ Yes

☐ No

If yes, please list them here:

Solar Turbines Incorporated

Marine Group Boat Works

What required area of expertise are you seeking to represent on the APCD Governing Board?

☐ Physician/Public Health Professional

☐ Environmental Justice Interests

☒ Science/Technology Background in Air Pollution

***Candidates are required to submit evidence of their qualifications by including a resume with this application and may be asked to provide additional information, as needed.**

Please summarize your experience that demonstrates your interest and proven ability in the field of air pollution control and your understanding of the needs of the general public in connection with the air pollution problems of San Diego County.

With over 35 years of Air Quality experience, I believe my deep experience as a Regulator, Consultant and representing Private Enterprise can be of service to the Board. Education/Experience includes:

- BS Environmental Engineering, California Polytechnic State University San Luis Obispo
- 8 years with the APCD including Senior Engineer of the Air Toxics Engineering Section.
- 5 years of consulting working on EPA contracts and local businesses.
- 23 years in private enterprise including Director of Environmental Affairs for Solar Turbines, a large international manufacturer based in San Diego.
- Participated in numerous working groups on regulatory development, land use and health risk assessment and communication.
- 15+ years as a member of the APCD Advisory Committee.
- Intimate knowledge of Local, State and Federal Regulations.

STATEMENT OF OCCUPATIONAL EXPERIENCE

Self Employed

Current Employer

Principal

Job Title

2017-Present

Dates of Employment

Previous Employers

Solar Turbines

San Diego APCD

Radian Corporation

Position Title

Director. Environmental Affairs

Senior Engineer

Engineer

Dates of Employment

1993-2016

1984-1993

1980-1982

List past county appointments with dates served, and other past or present community or public service appointments.

Committee/Organization Name

San Diego APCD Advisory Committee

San Diego Industrial Environmental Association

San Diego Port Tenants Association

San Diego Unified Port Environmental Committee

Dates Served

1998-2016

1993-Current

2010-2016

2010-2016

Membership qualifications for the APCD Governing Board are as follows:

Qualifications. All public members shall reside within the boundaries of San Diego County and shall be appointed on the basis of their demonstrated interest and proven ability in the field of air pollution control and their understanding of the needs of the general public in connection with the air pollution problems of the San Diego County. Specific qualifications for each of the three (3) public Board members, as established by Health & Safety Code section 40100.6(a)(4)(A)–(C), are as follows:

1. One public member shall be a **physician or public health professional** actively practicing within the boundaries of the San Diego County. The member's specialty shall be in the health effects of air pollution on vulnerable populations.
2. One public member shall be a **person representing environmental justice interests** and who works directly with communities within the boundaries of the San Diego County that are most significantly burdened by, and vulnerable to, high levels of pollution, including communities with diverse racial and ethnic populations and communities with low-income populations. This member may be a resident of that community and have a demonstrated record of community leadership.
3. One public member shall be a **person with a scientific or technical background in air pollution**, such as an environmental engineer, chemist, meteorologist, or air pollution specialist.

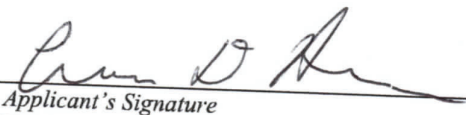
NOTE: Public members will be appointed by the San Diego County Air Pollution Control District Governing Board. Each public member will serve a four-year term and is entitled to receive compensation for participation on the Governing Board. Please review [Assembly Bill 423 \(AB 423\) SEC. 6. Section 40100.6](#) for details.

Please note that this application is a public record subject to disclosure. This application will be maintained for a period of one year.

By signing below, I declare that the information provided above is accurate and complete to the best of my knowledge.

Craig Anderson

Applicant's Name



Applicant's Signature

March 19, 2021

Date

CONTACT INFORMATION

Anderson <i>Last Name</i>	Craig <i>First Name</i>
-------------------------------------	-----------------------------------

Note: Personal information may be withheld from public view as allowed by law.

[REDACTED] <i>Home Street Address</i>	El Cajon <i>City</i>	CA 92020 <i>State Zip</i>
<i>Mailing Address (if different than home address)</i>	<i>City</i>	<i>State Zip</i>
<i>Business Street Address</i>	<i>City</i>	<i>State Zip</i>
Same		
<i>Home Phone #</i> [REDACTED]	<i>Business Phone #</i>	
<i>Mobile Phone #</i>		
<i>E-Mail Address</i> [REDACTED]		



Craig Anderson
Anderson Regulatory Solutions

Craig Anderson has more than 35 years of experience in Air Quality and Environmental Management, including environmental consulting, Engineering Manager with the San Diego Air Pollution Control District Air Toxics Department, and with Solar Turbines, a Caterpillar Company.

Experience:

Current: Principal and Owner, Anderson Regulatory Solutions

1993-2016: Solar Turbines, a Caterpillar Company. Positions as a Staff Environmental Engineer, EHS Manager and as the Corporate Director of Environmental and Government Affairs. Solar, manufactures industrial gas turbines and gas compressors, with 12 manufacturing locations and 8,000 employees around the world, with primary manufacturing and corporate headquarters in San Diego.

1984-1993: San Diego Air Pollution Control District. Positions as Compliance Inspector, Permitting and Manager of the Air Toxics Engineering Group.

1980-1983: Radian Corporation.

Education:

B.S. in Environmental Engineering, Air Quality and Water and Wastewater Management, at California Polytechnic State University, San Luis Obispo.

Community/Industry Service:

Numerous boards and special committees including the Industrial Environmental Assoc., California Manufacturers and Technology Assoc., Port Tenants Association, San Diego Chamber, San Diego Unified Port District, San Diego APCD Advisory Comm, and the Cal Poly SLO Civil and Environmental Engineering Industrial Advisory Board.



**APPLICATION FOR SERVING AS A PUBLIC MEMBER ON THE SAN
DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT GOVERNING
BOARD**

INSTRUCTIONS: Please complete this form in its entirety. Note the additional requirements listed on the third page.

Submit the completed application and your resume to the Clerk of the Air Pollution Control District Governing Board at APCDPublicComment@sdcounty.ca.gov or, you may send your application to 10124 Old Grove Road, San Diego, CA 92131. **Applications are due no later than March 23, 2021.**

Benmarhnia

Last Name

Tarik

First Name

The APCD Governing Board meets at times mutually satisfactory to the members. Day meetings are more common than evening meetings. Will you be able to schedule your time accordingly?

☒ Yes

☐ No

Have you ever been affiliated with an entity that is regulated by the Air Pollution Control District?

☐ Yes

☒ No

If yes, please list them here:

What required area of expertise are you seeking to represent on the APCD Governing Board?

☐ Physician/Public Health Professional

☐ Environmental Justice Interests

☒ Science/Technology Background in Air Pollution

***Candidates are required to submit evidence of their qualifications by including a resume with this application and may be asked to provide additional information, as needed.**

Please summarize your experience that demonstrates your interest and proven ability in the field of air pollution control and your understanding of the needs of the general public in connection with the air pollution problems of San Diego County.

I am an associate professor of environmental epidemiology and atmospheric sciences at the University of California, San Diego with a joint appointment between Health Sciences and Scripps Institution of Oceanography. My expertise includes many dimensions that could be pertinent regarding the various dimensions of air pollution issues of San Diego County. First, I have a rich experience in air pollution exposure modelling based on both dispersion and land use regression models for various regulated pollutants. For example, we recently developed a series of models to quantify fine scale PM2.5 from wildfire smoke for Southern California for a long-time span (1999-2020) based on smoke plume products, air quality monitoring stations and various machine learning algorithms. Second, as an environmental epidemiologist I have published several studies regarding the acute and chronic health impacts of various sources of air pollution on various health issues (e.g. emergency department visits, adverse birth outcomes, aging-related outcomes such as dementia). I have a deep understanding of the physiological mechanisms regarding how various air pollutants impacts population health. For example, we recently published a study detailing how fine particles from wildfire smoke were more toxic than other sources. Most of my research related to air pollution and health has a focus on environmental justice implications including the drivers of differential susceptibility and exposure across diverse communities in San Diego, California and globally including community-based research. Finally, my research interests also include the design and evaluation of air pollution policies including early systems and low emissions zones.

STATEMENT OF OCCUPATIONAL EXPERIENCE

University of California, San Diego	
<i>Current Employer</i>	
Associate Professor	October 2016-Present
<i>Job Title</i>	<i>Dates of Employment</i>

<i>Previous Employers</i>	<i>Position Title</i>	<i>Dates of Employment</i>
McGill University	Postdoctoral researcher	2014-2016
French Ministry of Health	Environmental Health Scientist	2010-2011
French National Railway Company	Environmental Engineer	2008-2009

List past county appointments with dates served, and other past or present community or public service appointments.

<i>Committee/Organization Name</i>	<i>Dates Served</i>

Membership qualifications for the APCD Governing Board are as follows:

Qualifications. All public members shall reside within the boundaries of San Diego County and shall be appointed on the basis of their demonstrated interest and proven ability in the field of air pollution control and their understanding of the needs of the general public in connection with the air pollution problems of the San Diego County. Specific qualifications for each of the three (3) public Board members, as established by Health & Safety Code section 40100.6(a)(4)(A)–(C), are as follows:

1. One public member shall be a **physician or public health professional** actively practicing within the boundaries of the San Diego County. The member's specialty shall be in the health effects of air pollution on vulnerable populations.
2. One public member shall be a **person representing environmental justice interests** and who works directly with communities within the boundaries of the San Diego County that are most significantly burdened by, and vulnerable to, high levels of pollution, including communities with diverse racial and ethnic populations and communities with low-income populations. This member may be a resident of that community and have a demonstrated record of community leadership.
3. One public member shall be a **person with a scientific or technical background in air pollution**, such as an environmental engineer, chemist, meteorologist, or air pollution specialist.


NOTE: Public members will be appointed by the San Diego County Air Pollution Control District Governing Board. Each public member will serve a four-year term and is entitled to receive compensation for participation on the Governing Board. Please review [Assembly Bill 423 \(AB 423\) SEC. 6. Section 40100.6](#) for details.

Please note that this application is a public record subject to disclosure. This application will be maintained for a period of one year.

By signing below, I declare that the information provided above is accurate and complete to the best of my knowledge.

Tarik Benmarhnia

Applicant's Name



Applicant's Signature

03/19/2021

Date

CONTACT INFORMATION

Benmarhnia <i>Last Name</i>	Tarik <i>First Name</i>
---------------------------------------	-----------------------------------

Note: Personal information may be withheld from public view as allowed by law.

[REDACTED] <i>Home Street Address</i>	San Diego <i>City</i>	CA <i>State</i>	92104 <i>Zip</i>
[REDACTED] <i>Mailing Address (if different than home address)</i>	[REDACTED] <i>City</i>	[REDACTED] <i>State</i>	[REDACTED] <i>Zip</i>
[REDACTED] <i>Business Street Address</i>	La Jolla <i>City</i>	CA <i>State</i>	92093 <i>Zip</i>
[REDACTED] <i>Home Phone #</i>	[REDACTED] <i>Business Phone #</i>		
[REDACTED] <i>Mobile Phone #</i>	[REDACTED]		
[REDACTED] <i>E-Mail Address</i>			

TARIK BENMARHIA

Current Position **Associate Professor**, Herbert Wertheim School of Public Health and Human Longevity Science & Scripps Institution of Oceanography, UC San Diego, USA

Education

2011-2014 **Joint PhD** in Epidemiology / Public Health
University of Montreal: School of Public Health (ESPUM)
Paris Sud University (ED 420): IRSET INSERM U1085.

2010 **Master's degree in Engineering** Environmental Health Sciences
EHESP School of Public Health, France

2009 **M.Sc.** Montpellier University, France (Pharmacy, Ecotoxicology)

2007 **B.S.** Montpellier University, France (Environmental Sciences)

Professional Experience

2014-2016 **Postdoctoral Fellow** - McGill University, Institute for Health and Social Policy. Montréal, Canada

2010-2011 **Health Scientist** – National Institute of Health Education and Prevention, France (Coordinator of the national environmental health prevention program).

2008 **Environmental Scientist** – French National Railway Company
(Department of Sites and Contaminated Soils)

Professional and Academic Activities

Associate Editor, Environmental Health Perspectives - 2020- Present
Associate researcher NEMESIS Team, INSERM, Paris 2016 – Present
Adjunct Professor, Universidad de Chile, Escuela de Salud Pública – 2018- Present
External Reviewer for: National Science Foundation; UK Natural Environment Research Council; French Agency for Food; Environmental and Occupational Health & Safety (ANSES); Wellcome Postdoctoral Fellowship.
Member of the International Society for Environmental Epidemiology (ISEE) and the Society for Epidemiologic Research – 2014-Present

Ongoing Grants & Contracts

R01CA228147 (PI: Jankowska/Benmarhnia), 04/09/2019-03/31/2024

Title: Integrating novel GIS and GPS data to assess the impact of built environments on changes in BMI, physical activity and cancer-related biomarkers in two successful weight loss interventions in women at

R01CA234539 (PI: J. Pierce/Benmarhnia), 09/11/2018-08/30/2021

Title: The role of ENDS use in changing rates of escalation and quitting of cigarette smoking in those under age 35 years in US population

R01 AG071024-01 (PI: Casey), 04/011/2021-03/31/2026

Title: Short and long-term consequences of wildfires for Alzheimer's disease and related dementias

28IR-0066 (TRDRP) (PI: Trinidad) 07/01/2018-06/30/2021

Title: Tobacco Policies and Smoking Disparities: Comparing California to the US

P30AG059299 (PI: Moore) - 09/01/2018-06/30/2023

Title: San Diego Resource Center for advancing Alzheimer's Research in Minority Seniors (ARMS)

NU53DD000011-01-00 (CDC) (PI: Pierce), 01/01/2019-12/31/2022

Title: Enhancing Public Health Surveillance of Autism Spectrum Disorder through the Autism and Developmental Disabilities Monitoring (ADDM) in San Diego County

T31IR-1584 (TRDRP) (PI: McMenamin/Pierce), 07/01/2020-06/30/2023

Title: Trends in disparities in Smoking Behavior with 4 major, different tobacco control programs

R01ES030353 (PI: Wu), 08/01/2019-04/20/2023

Title: Air Pollution and Pregnancy Complications in Complex Urban Environments: Risks, Heterogeneity and Mechanisms

1862C0011 (ADEME) (PI: Benmarhnia) 09/01/2018-08/31/2023

Title: Characterizing air pollution episodes and evaluation of implemented policies

18-E0012 (OEHHA) (PI: Benmarhnia) 10/01/2018 – 04/30/2021

Title: Health outcome and health disparities associated with tropospheric ozone

19-E0022 (OEHHA) (PI: Benmarhnia) 05/01/2020 – 04/15/2022

Title: Using Machine learning techniques to characterize wildfire-specific PM_{2.5} and associated impacts on respiratory health in California

PUBLICATIONS

Published Peer-Reviewed

1. Aguilera R, Corringham T, Gershunov A, **Benmarhnia T**. *"Wildfire smoke impacts respiratory health more than fine particles from other sources: observational evidence from Southern California. Nature Communications [In Press]*
2. Zhang H, Wang Q, **Benmarhnia T**, Jalaludin B, Ren M, Liang Q, Wang J, Ma W, Huang C. *Assessing the effects of non-optimal temperature on risk of gestational diabetes mellitus in a cohort of pregnant women in Guangzhou, China. Environment International [In Press]*
3. Mehta S, Vashishtha D, Schwarz L, Corcos I, Gershunov A, Guirguis K, Basu R, **Benmarhnia T**. *Racial/ethnic disparities in the effect of fine particles on respiratory hospital admissions in San Diego County, CA. Journal of Environmental Science and Health, Part A [In Press]*
4. Parada H, **Benmarhnia T**, Sun X, Tse CK, Engel LS, Hoh E, Olshan AF, Troester MA. *A congener-specific and mixtures analysis of plasma polychlorinated biphenyl (PCB) levels and incident breast cancer in the Carolina Breast Cancer Study. Epidemiology [In Press]*
5. Aguilera R, Corringham T, Gershunov S, Leibel S, **Benmarhnia T**. *Wildfire PM2.5 impacts on pediatric respiratory health in San Diego County, California. Pediatrics [In Press]*
6. Mortamais M, Gutierrez LA, de Hoogh K, Vienneau D, Carrière I, Letellier N, Helmer C, Tzourio C, Gabelle A, Mura T, Sunyer J, **Benmarhnia T**, Jacquemin B, Berr C. *Long-term exposure to ambient air pollution and risk of dementia: results of the prospective Three-City study. Environment International, 148, 106376.*
7. Varma S, Vora K, Fox K, Berkhout S, **Benmarhnia T**. *Why Calls to Diversify Trial Populations Fall Short. Med, 2(1), 25-28.*
8. Gailey S, McElroy S, **Benmarhnia T**, Bruckner T. *Green Mobility and Obesity Risk: A Longitudinal Analysis in California. Health & Place, 68, 102503.*
9. Liao W, Wu J, Yang L, **Benmarhnia T**, Lian X, Murtugudde R, Sapkota A, Ma W, Zhong S, Huang C. *Detecting the net effect of flooding on infectious diarrheal disease in China: a quasi-experimental study. Environmental Research Letters, 15(12), 125015*
10. Casey J, Kiomourtzoglou MA, Elser H, Walker D, Taylor S, Adams S, Aguilera R, **Benmarhnia T**, Catalano R. *Wildfire smoke in Shasta County, California and respiratory and circulatory disease-related emergency department visits and mortality, 2013–2018. Environmental Epidemiology, 5(1), e124.*
11. Ilango S, Gonzalez K, Mortamais M, etc... Gonzalez H, **Benmarhnia T**. *Long-term exposure to ambient air pollution and cognitive function among Latinos in San Diego, California. Journal of Alzheimer's Disease, (Preprint), 1-8.*
12. **Benmarhnia T**, Hajat A, Kaufman JS. *Inferential challenges when assessing racial/ethnic health disparities in environmental research. Environmental Health, 20(1), 1-10.*
13. Pierce JP, White M, **Benmarhnia T**, Strong D, Messer K, Trinidad D, Leas E, Stone M, Kealey S. *Progression to Daily Tobacco Use and Cigarette Smoking among 12-24 year olds: Four waves of the US nationally representative PATH Study. Pediatrics, 147(2).*

14. Pierce JP, Leas E, **Benmarhnia T**, McMenamin S, Strong D, Chen R, Messer K. E-cigarettes and cessation: the introduction of substantial bias in analyses of PATH Study. *Nicotine & Tobacco Research*, 2020
15. Wang Q, Huazhang Miao H, Warren JL, Ren M, **Benmarhnia T**, Zhang H, Zhao Q, Huang C. *Association of maternal ozone exposure with low birth weight and susceptible window identification*. *Environment International*, 146, 106208.
16. Patrick R, McElroy S, Kayser G, Schwarz L, **Benmarhnia T**. *Modelling the population health impact of water, sanitation, and hygiene interventions on childhood diarrheal disease among children ≤ 5 years in Peru*. *The American journal of tropical medicine and hygiene*, 104(1), 338-345.
17. Ridde V, **Benmarhnia T**, Bonnet E, Bottger C, Cloos P, Dagenais C, De Allegri M, Queuille L, Sarker M. *Climate Change, Migrations and Health Systems: Need for Interdisciplinary Research*. F1000Research, 2019, vol. 8.
18. Sun Y, Ilango S, Schwarz L, Wang W, Chen JC, Lawrence J, Wu J, **Benmarhnia T**. *Examining the joint effects of heatwaves, air pollution, and green space on the risk of preterm birth in California*. *Environmental Research Letters*, 15(10), 104099.
19. Vives A, **Benmarhnia T**, Gonzales F, Benach J. *Employment conditions and health in Chile. Comparison of job insecurity, reported job instability, temporary employment and employment precariousness*. *PloS one*, 15(9), e0238401.
20. Pierce JP, **Benmarhnia T** et al. *Role of e-cigarettes and pharmacotherapy during attempts to quit cigarette smoking: the PATH Study 2013-16*. *PloS one*, 15(9), e0237938.
21. Chen H, Burnett RT, Bai L, Kwong JC, Crouse DL, Lavigne E, Goldberg MS, Copes R, **Benmarhnia T**, Ilango S, van Donkelaar A, Randall, Martin R, Hystad P. *Living near urban green spaces and cardiovascular disease incidence, readmission, and mortality*. *Environmental health perspectives*, 128(8), 087005.
22. Aguilera R, Hansen K, Ilango S, Sheridan P, Gershunov A, **Benmarhnia T**. *Spatio-temporal coherence between respiratory admissions and smoke plumes during the October 2007 wildfires in San Diego county*. *Environmental Epidemiology*, 4(5), e114.
23. Nguyen F, et al. *Widening Disparities in Cigarette Smoking by Education Level across Race/Ethnicity in the United States*. *Preventive medicine* 139 (2020): 106220.
24. Sheridan P, Trinidad D, McMenamin S, Pierce JP, **Benmarhnia T**. *Evaluating the impacts of the California Workplace Smoking Ban in 1995, a Synthetic Control Analysis*. *Preventive medicine reports*, 19, 101164.
25. **Benmarhnia T**. *Exploring linkages between air pollution and the health burden from COVID-19: methodological challenges and opportunities*. *American journal of epidemiology*, 189(11), 1238-1243.
26. Chyderiotis S, **Benmarhnia T**, Spilka S, Legleye S, Beck F, Raphaël Andler, Menvielle G. *Why do apprentices smoke much more than high school students? Understanding educational inequalities in smoking with a Oaxaca-blinder decomposition analysis*. *BMC public health*, 20(1), 1-12.
27. Sun Y, Sheridan P, Laurent O, Li J, Jiange Y, Sacks D, Yim I, Molitor J, Chen JC, **Benmarhnia T**, Lawrence J, Wu J. *Associations between green space and preterm birth:*

investigating windows of susceptibility and interaction with air pollution. Environment International, 142, 105804.

28. Bonnet E, Fournet F, T. **Benmarhnia T**, Ouedraogo S, Dabiré K.R, Ridde V. *Impact of a community-based intervention on Aedes aegypti and its spatial distribution in Ouagadougou, Burkina Faso*. Infectious diseases of poverty, 9, 1-9.
29. Carrasco-Escobar G, Schwarz L, Miranda J, **Benmarhnia T**. *Revealing the air pollution burden associated with internal Migration in Peru*. Scientific reports, 10(1), 1-12.
30. Chen R, Pierce JP, Leas E, White M, Kealey S, Strong D, Trinidad D, **Benmarhnia T**, Messer K. *E-cigarette use to aid long-term smoking cessation in the US: prospective evidence from the PATH longitudinal cohort study*. American journal of epidemiology, 189(12), 1529-1537.
31. Ante PA, **Benmarhnia T**, Bekelynck A, Baggaley R, Temime L, Ouattara E, Jean K. *Socio-economic inequalities in the uptake of HIV testing: time trends from population-based surveys in 16 sub-Saharan African countries*. The Lancet Global Health, 8(6), e808-e818.
32. Schwarz L, Malig B, Guzman-Morales J, Guirguis K, Ilango S, Sheridan P, Gershunov A, Basu R, **Benmarhnia T**. *The health burden of off-season heat waves and the contribution of Santa Ana Winds*. Environmental Research Letters, 15(5), 054017.
33. McElroy, Schwartz L, Green H, Corcos I, Guirguis K, Gershunov A, **Benmarhnia T**. *Defining heat waves using sub-regional meteorological data to maximize benefits of early warning systems to population health*. Science of the total environment, 721, 137678.
34. Ilango S, Weaver M, Sheridan P, Schwarz L, Bruckner T, Basu R, Gershunov A, **Benmarhnia T**. *Extreme heat episodes and risk of preterm delivery in California, 2005-2013*. Environment international, 137, 105541.
35. Zinszer K, Caprara A; Lima A; Degroote S; Zahreddine M; Abreu K; Carabali M; Parra B; Fournet F; Bonnet E; Charland K; Pérez D; Robert E; Dagenais C; **Benmarhnia T**; Andersson N; Ridde V.
36. *COESA – Sustainable, healthy cities: Protocol of a mixed methods cluster randomized controlled trial for Aedes control in Brazil using a community mobilization approach*. Trials, 21(1), 1-15.
37. Cooper JE, **Benmarhnia T**, Koski A, King NB. *Cash transfer programs have differential effects on health: A systematic review of the literature from low and middle-income countries*. Social Science & Medicine, 247, 112806.
38. Wang Q, Li B, **Benmarhnia T**, et al. *Independent and Combined Effects of Heatwaves and PM_{2.5} on Preterm Birth in Guangzhou, China*. Environmental health perspectives, 128(1), 017006.
39. Chyderiotis S, **Benmarhnia T**, Beck F, Spilka S, Legleye S. *Does ENDS experimentation increase the transition to daily smoking among young tobacco ever users in France? Results from national representative retrospective data*. Drug and alcohol dependence, 208, 107853.
40. Leibel S, Nguyen M, Brick W, Parker J, Ilango S, Aguilera R, Geshunov A, **Benmarhnia T**. *Increase in Pediatric Respiratory Visits Associated with Santa Ana Wind-driven Wildfire Smoke and PM_{2.5} levels in San Diego County*. Annals of the American Thoracic Society, 17(3), 313-320.

41. Aguilera R, Gershunov A, Ilango S, Guzman-Morales J, **Benmarhnia T**. *Santa Ana winds of Southern California impact coastal PM_{2.5} with and without wildfire*. *GeoHealth*, 4(1), e2019GH000225.
42. Leas E, Trinidad D, Pierce JP, **Benmarhnia T**. *The effect of college attendance on young adult's cigarette, e-cigarette, cigarillo, hookah and smokeless use and its potential for addressing tobacco-related health disparities*. *Preventive medicine*, 132, 105954.
43. Natarajan, R., et al. 2020. *Environmental exposures during puberty: Window of breast cancer risk and epigenetic damage*. *International journal of environmental research and public health*, 17(2), 493.
44. Epstein A, **Benmarhnia T**, Weiser SD. *Drought and Illness Among Young Children in Uganda, 2009-2012*. *American journal of tropical medicine and hygiene*, 102(3), 644-648.
45. Shareck M, **Benmarhnia T**, Smith NR, Cummins S. *Does the neighborhood food environment contribute to ethnic inequalities in fast-food intake? Findings from the ORiEL Study*. *Preventive medicine reports*, 16, 100998.
46. Koné, B et al. 2019. *Environmental health research challenges in Africa: Insights from symposia organized by the ISEE Africa Chapter at ISES-ISEE 2018*. *Environmental Epidemiology*, 3(6), e074.
47. **Benmarhnia T**, Schwarz L, Nori-Sarma A, Bell ML. *Quantifying the impact of changing the threshold of New York City Heat Emergency Plan in reducing heat-related illnesses*. *Environmental Research Letters*, 14(11), 114006.
48. Ren M, Zhang H, **Benmarhnia T**, Jalaludin B, Dong H, Wu K, Wang Q, Huang C. *Short-term effects of real-time personal PM_{2.5} exposure and exposure from fixed stations on ambulatory blood pressure: a panel study in young adults*. *Science of The Total Environment*, 697, 134079.
49. Chaix B, **Benmarhnia T**, Kesten Y, Brondeel R, Perchoux C, Gerber P, Duncan D. *Combining sensor tracking with a GPS-based mobility survey to better measure physical activity in trips: public transport generates walking*. *International Journal of Behavioral Nutrition and Physical Activity*, 16(1), 1-1
50. Pierce J, Messer K, Leas E, Kealey S, White MM, **Benmarhnia T**. *A source of bias in studies of e-cigarettes and smoking cessation*. *Nicotine and Tobacco Research*, 22(5), 861-862.
51. Schwarz L, Ilango S, Sheridan P, Bruckner TA, Basu R, **Benmarhnia T**. *A Quantile-Regression approach to reveal the influence of fine particles and birth weight reduction and racial/ethnic disparities*. *Environmental Epidemiology*, 3, 357.
52. Ilango S, Chen H, Hystad P; van Donkelaar A; Kwong J; Tu K; Martin R; **Benmarhnia T**. *The role of cardiovascular disease in the relationship of chronic exposure to air pollution and dementia*. *International journal of epidemiology*, 49(1), 36-44.
53. Heo S, Nori-Sarma A, Lee K, **Benmarhnia T**, Dominici F, Bell ML. *The use of a Quasi-Experimental Study on the Mortality Effect of a Heat Wave Warning System in South Korea*. *International journal of environmental research and public health*, 16(12), 2245
54. Nori-Sarma A, **Benmarhnia T**, Rajiva A, Azhar GS, Gupta P, Pednekar M, Bell ML. *Advancing our Understanding of Heat Wave Criteria and Associated Health Impacts to*

55. Bailey J, Rojas D, Gerasopoulos E, **Benmarhnia T**. *Potential health co-benefits related to mitigation of air pollution from wood burning: A systematic review & quantitative risk assessment case study in Athens, Greece*. Journal of Environmental Science and Health, Part A, 54(11), 1144-1151.
56. **Benmarhnia T**, Laurent O, Milesi C, Hu J, Lia L, Kleemand MJ, Cockburne M, Escobedo L, Wu J. *Low birth weight, green spaces and air pollution in California: a statewide analysis, 2001-2008*. Environmental research, 175, 124-132.
57. Ly S, Fortas C, , Duong V, Benmarhnia T, Sakuntabhai A, Paul R, Rekol H, Sorn S, Nguon K, Keo V, Chan S, Ong S, Kim KS, Buoy S, Voeung L, Dussart P, Buchy P, Tarantola A. *Asymptomatic Dengue Virus Infections, Cambodia, 2012–2013*. Emerging infectious diseases, 25(7), 1354.
58. Aguilera R, Gershunov A, **Benmarhnia T**. *Atmospheric rivers and public health: observed links between extreme precipitation events and California's coastal water quality*. Science of the Total Environment, 671, 488-494.
59. Sheridan P, Ilango S, Bruckner TA, Wang Q, Basu R, **Benmarhnia T**. *Fine Particles and preterm birth in California: identification of critical exposure windows*. American journal of epidemiology, 188(9), 1608-1615.
60. **Benmarhnia T**, Zhao X, Wang J, Macdonald M, Chen H. *Evaluating the potential public health impacts of the Toronto cold weather program*. Environment international, 127, 381-386.
61. **Benmarhnia T**, Rudolph KE. *A rose by any other name still needs to be identified (with plausible assumptions)*. International journal of epidemiology, 48(6), 2061-2062.
62. Chen H, Kaufman JS, **Benmarhnia T**. *Air quality alerts benefit asthmatics*. The Lancet Planetary Health, 3(1), e14
63. Green H, Bailey J, Schwarz L, Vanos J, Ebi K, **Benmarhnia T**. *Impact of heat on mortality and morbidity in Low and Middle Income Countries: a systematic review*. Environmental research, 171, 80-91.
64. Pierce JPP, Shi Y, McMenamin S, **Benmarhnia T**, Trinidad DR, Strong DR, White MM, Kealey S, Hendrickson EM, Stone MD, Villaseñor A, Kwong SL, Zhang X, Messer K. *Trends in the dual epidemics of lung cancer and smoking: California compared to the rest of the United States*. Cancer prevention research, 12(1), 3-12.
65. Wang Q, **Benmarhnia T**, et al. *Identifying windows of susceptibility for maternal exposure to ambient air pollution and preterm birth*. Environment international, 121, 317-324.
66. Wang Q, **Benmarhnia T**, et al. *Seasonal analyses of the association between prenatal ambient air pollution exposure and abnormal birth weight in Guangzhou, China*. Science of The Total Environment, 649, 526-534.
67. Loizeau M, Buteau S, Chaix B, McElroy S, Counil E, **Benmarhnia T**. *Does the choice of air pollution model influence the evidence of health inequality? A case-study of mortality in Montreal and ground-level ozone*. Environmental research, 167, 650-661.

68. Chyderiotis S, Beck F, Andler R, Hill S, **Benmarhnia T**. *Evaluating the impact of the 2007-2008 French smoking ban policy on smoking behavior outcomes: how to reduce biases coming from a before and after design*. European journal of public health, 29(2), 372-377.
69. Ouédraogo S, **Benmarhnia T**, Bonnet E, Somé PA, Barro AS, Kafando Y, Soma DD, Dabiré RK, Saré D, Fournet F, Ridde V. *A community-based intervention for dengue vector control in Burkina Faso: an evaluation of the effectiveness*. Emerging infectious diseases, 24(10), 1859.
70. Vijayaraghavan M, **Benmarhnia T**, et al. *Income Disparities in Smoking Cessation and in the Diffusion of Smoke-free Homes among U.S. Smokers -- A Population-Based Cohort Study*. PloS one, 13(7), e0201467.
71. **Benmarhnia T**, Pierce JP, Leas E, White M, Strong D, Noble M. *Can e-cigarettes and pharmaceutical aids increase smoking cessation and reduce cigarette consumption? Findings from a nationally representative cohort of American smokers*. American journal of epidemiology, 187(11), 2397-2404.
72. **Benmarhnia T**, Delpla I, Schwarz L, Levallois P, Rodriguez M. *Heterogeneity in the relationship between disinfection by-products in drinking water and cancer: a systematic review*. International journal of environmental research and public health, 15(5), 979.
73. Guirguis K, et al. Heat, disparities, and health outcomes in San Diego County's diverse climate zones. GeoHealth, 2(7), 212-223.
74. Chen H, Li Q, Kaufman JS, Wang J, Copes R, Shu Y, **Benmarhnia T**. *Do air quality alerts influence public health? A regression discontinuity analysis in Toronto, Canada*. The Lancet Planetary Health, 2(1), e19-e26.
75. Price K, **Benmarhnia T**, ..., Kaiser D, Smargiassi A. *The Montreal Heat Response Plan: evaluation of its implementation towards health care professionals and vulnerable populations*. Canadian journal of public health, 109(1), 108-116.
76. Schinasi L, **Benmarhnia T**, De Roos A. *Modification of the association between heat and health by urban microclimates: A systematic review and meta-analysis*. Environmental research, 161, 168-180.
77. Leas E, Pierce JP, **Benmarhnia T**, White M, Noble M, Trinidad D, Strong D. *Effectiveness of pharmaceutical smoking cessation aids in a nationally representative cohort of American smokers*. JNCI: Journal of the National Cancer Institute, 110(6), 581-587.
78. Tresa E, **Benmarhnia T**, Clemens T, Burazeri G, Czabanowska K. *Europeanization process impacts the patterns of alcohol consumption in the Western Balkans*. European Journal of Public Health, 28(3), 516-521.
79. Perchoux C, Nazare JA, **Benmarhnia T**, et al. *Neighborhood educational disparities in active commuting among women: The modifying effect of distance to place of work/study (An ACTI-Cités Study)*. BMC public health, 17(1), 1-12.
80. **Benmarhnia T**, Leas E, Hendrickson E, Trinidad D, Strong D, Pierce J. *The potential influence of regulatory environment for e-cigarettes on the effectiveness of e-cigarettes for smoking cessation: different reasons to temper the conclusions from inadequate data*. Nicotine and Tobacco Research, 20(5), 659-659.

81. **Benmarhnia T**, Alexander S, Price K, Smargiassi A, King N, Kaufman JS. *Heterogeneity of vulnerability in public health policies: heat wave action plan as a case study*. Critical Public Health, 28(5), 619-625.
82. **Benmarhnia T**, Kihal W, Ragetti M, Deguen S. *Small-area spatiotemporal analysis of heatwave impacts on elderly mortality in Paris: a cluster analysis approach*. Science of the total environment, 592, 288-294.
83. **Benmarhnia T**, Huang J, Jones C. *Lost in Translation: Considering the representation of uncertainty in the presentation of empirical findings in WHO policy statements*. International journal of health policy and management, 6(11), 649.
84. Chaix B, Duncan D, Vallée J, Vernez-Moudon A, **Benmarhnia T**, Kestens Y. *The residential effect fallacy in neighborhood and health studies: formal definition, empirical identification, and correction*. Epidemiology, 28(6), 789-797.
85. Lewin A, Brondeel R, **Benmarhnia T**, Thomas F, Chaix B. *Accounting for attrition bias using different methods to handle missing outcome data: a longitudinal simulation study based on the RECORD Cohort Study*. Epidemiology, 29(1), 87-95.
86. **Benmarhnia T**, Huang J, Wu J, Basu R, Bruckner T. *A Decomposition Analysis of Black-White Disparities in Birth Outcomes: The Relative Contribution of Air Pollution and Social Factors in California*. Environmental Health Perspectives: 125(10).
87. Zunzunegui MV, Belanger E, **Benmarhnia T**, Gobbo M, Otero A, Béland F, Zunzunegui F, Ribera Casado JM. *Financial Frauds and Population Health: The case of Spain*. Gaceta sanitaria, 31, 313-319.
88. Bohra T, **Benmarhnia T**, McKinnon B, Kaufman JS. *Decomposing educational inequalities in child mortality: a temporal trend analysis of access to Water and Sanitation in Peru*. American Journal of Tropical Medicine and Hygiene, 2017. 96(1), 57-64
89. **Benmarhnia T**, Kaufman JS. *When evidence of heat-related vulnerability depends on the contrast measure*. International journal of biometeorology, 61(2), 391-393.
90. **Benmarhnia T**, Dionne PA, Tchouaket E, Fansi A, Brousselle A. *How effective does a Healthy Lifestyle Habits Promotion Strategy need to be to make it cost-neutral*. IJPH, 2017 62(1), 3-13
91. **Benmarhnia T**, Bailey Z, Auger N, Kaiser D, N King, Kaufman JS. *A difference-in-differences approach to assess the effect of a heat action plan on heat-related mortality, and differences in effectiveness according to gender, age, and socioeconomic status (Montreal, Quebec)*. Environmental Health Perspectives 124(11), 1694
92. Brousselle A, **Benmarhnia T**, Benhadj L. *What are the benefits and risks of using returns on investments to defend public health programs?* Preventive medicine reports, 3, 135-138.
93. **Benmarhnia T**, Deguen S, Kaufman JS, Smargiassi A. *Vulnerability to heat-related mortality: a systematic review, meta-analysis and metaregression analysis*. Epidemiology, 2015. 26(6):781-93
94. **Benmarhnia T**, Grenier P, Brand A, Fournier M, Deguen S, Smargiassi A. *Quantifying vulnerability to extreme heat: a novel approach applied to neighborhood social disparities under climate change*. IJERPH, 2015. 12(9), 11869-11879.

95. Schwarz L, **Benmarhnia T**, Laurian L. *Environmental Justice in France: An Analysis of Social Inequalities Related to Incinerator Emissions*. *Environmental Justice* 8(6), 213-219
96. Delpla I, **Benmarhnia T**, Lebel A, Levallois P, Rodriguez MJ. *Investigating social inequalities in exposure to drinking water contaminants in rural areas of Quebec (Canada)*. *Environmental Pollution*, 2015. 207, 88-96.
97. Juneau CE, **Benmarhnia T**, Poulin AA, Côté S, Potvin L. *Socioeconomic position during childhood and physical activity during adulthood: a systematic review*. *International journal of public health*, 60(7), 799-813.
98. **Benmarhnia T**, Auger N, Stanislas V, Lo E, Kaufman JS. *Influence of ambient temperature on daily number of births in Montreal*. *Maternal and Child Health Journal*, 2015. 19 (7), 1-4.
99. Deguen S, Petit C, Delbarre A, Kihal W, Padilla C, **Benmarhnia T**, Lapostolle A, Chauvin P, Zmirou-Navier D. *Neighbourhood Characteristics and Long-Term Air Pollution Levels Modify the Association between the Short-Term Nitrogen Dioxide Concentrations and All-Cause Mortality in Paris*. *Plos One*, 2015. Jul 21;10(7):e0131463
100. Cartier Y, **Benmarhnia T**, Brousselle A. *Framework for assessing health impact of interventions modifying air quality in urban environments: a proposition*. *Evaluation and Program Planning*. 2015. 53 (1), 1-9.
101. **Benmarhnia T**, Sottile MF, Plante C, Brand A, Casati B, Fournier M, Smargiassi A. *Variability in temperature-related mortality projections under Climate Change*. *Environmental Health Perspectives*, 2014. 122(12), 1293.
102. **Benmarhnia T**, Rey L, Cartier Y, Clary CM, Deguen S, Brousselle A. *Equity in interventions to reduce air pollution in urban areas: a systematic review*. *International Journal of Public Health*, 2014. 59(6), 933-944.
103. **Benmarhnia T**, Oulhote Y, Petit C, Lapostolle A, Chauvin P, Zmirou-Navier D, Deguen S. *Chronic air pollution and social deprivation as modifiers of the association between high temperature and daily mortality*. *Environmental Health*, 2014. 13(1), 53.
104. **Benmarhnia T**, Zunzunegui MV, Llacer A, Béland F. *Impact of the economic crisis on health of older adults in Spain: research perspectives based on mortality analyses*. *SESPAS report 2014*. *Gaceta Sanitaria*, 28, 137-141.
105. **Benmarhnia T**, Laurian L, & Deguen S. *Measuring spatial environmental deprivation: A new index and its application in France*. *Environmental Justice*, 2013. 6(2), 48-55.
106. **Benmarhnia T**, Léon C, & Beck F. *Exposure to indoor tanning in France: A population based study*. *BMC Dermatology*, 2013. 13(1), 6.
107. Beck, F, Richard, J. B, Deutsch, A, **Benmarhnia, T**, Pirard, P, Roudier, C, Peretti-Watel, P. *Connaissance et perception du risque dû au radon en France*. *Cancer/Radiothérapie*, 2013. 17(8), 744-749.

Books and Chapters

Benmarhnia T, David PM and Godrie B (Editors). *Usages sociaux et déplacements de l'expérimentation. Enjeux et pratiques*. Les Presses de L'Université de Québec [In Press]

Benmarhnia T and Fuller D. *Les méthodes quasi expérimentales pour évaluer les interventions de santé publique*. In Ridde V & Dagenais C (2016). *Méthodes avancées d'Évaluation d'Interventions de Sante Mondiale*: Les Presses de l'Université de Montréal

Benmarhnia T and McKinnon B. *Mesurer l'équité dans les interventions de santé publique*. In Ridde V & Dagenais C (2016). *Méthodes avancées d'Évaluation d'Interventions de Sante Mondiale* : Les Presses de l'Université de Montréal

Benmarhnia T. et al. *Skin Cancer and ultraviolet radiation*. in Beck, F., Gautier, A., Buzyn, A., & Le Luong, T. (2012). *Baromètre cancer 2010*. Saint-Denis: Inpes, coll Baromètres santé.



**APPLICATION FOR SERVING AS A PUBLIC MEMBER ON THE SAN
DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT GOVERNING
BOARD**

INSTRUCTIONS: Please complete this form in its entirety. Note the additional requirements listed on the third page.

Submit the completed application and your resume to the Clerk of the Air Pollution Control District Governing Board at APCDPublicComment@sdcounty.ca.gov or, you may send your application to 10124 Old Grove Road, San Diego, CA 92131. **Applications are due no later than March 23, 2021.**

Chowdhury

Last Name

Zohir

First Name

The APCD Governing Board meets at times mutually satisfactory to the members. Day meetings are more common than evening meetings. Will you be able to schedule your time accordingly?

☒ Yes

☐ No

Have you ever been affiliated with an entity that is regulated by the Air Pollution Control District?

☒ Yes

☐ No

If yes, please list them here:

San Diego State University

What required area of expertise are you seeking to represent on the APCD Governing Board?

☒ Physician/Public Health Professional

☐ Environmental Justice Interests

☒ Science/Technology Background in Air Pollution

***Candidates are required to submit evidence of their qualifications by including a resume with this application and may be asked to provide additional information, as needed.**

Please summarize your experience that demonstrates your interest and proven ability in the field of air pollution control and your understanding of the needs of the general public in connection with the air pollution problems of San Diego County.

As a professor, who teaches courses in air pollution and climate change at San Diego State University (SDSU) School of Public Health, I have developed in depth understanding of air pollution sources, control technologies, regulations, atmospheric chemistry and transport, as well as, health effects from exposure to such pollutants. With the help of my graduate students, I conduct research to understand air pollution problems within the county of San Diego and the border region, but also in other counties within the state of California. My expertise is in conducting measurements of air pollutants or by utilizing data collected by state (CARB) or local (APCD) air pollution agencies. I have also developed community level connections in vulnerable and low income communities within the county.

I'm deeply connected to the San Diego community, serving as a member of the Advisory Board in the San Diego County's Division of Environmental Health, and as a board member in a community Bangla language school. Besides, to encourage science education within our county, I volunteer every year as an event supervisor at the San Diego Regional Science Olympiad competition where over 2,000 students from over 40 Middle and High Schools participate.

STATEMENT OF OCCUPATIONAL EXPERIENCE

San Diego State University

Current Employer

Associate Professor

Job Title

08/20/2007--Present

Dates of Employment

Previous Employers

Position Title

Dates of Employment

University of California at Berkeley

Post Doctoral Researcher

06/2004-08/2007

Georgia Institute of Technology

Research Assistant

08/2000-05/2004

California Institute of Technology

Research Assistant

09/1997-08/2000

Montana Technological University

Teaching Assistant

08/1995-05/1997

List past county appointments with dates served, and other past or present community or public service appointments.

Committee/Organization Name

Dates Served

Environmental Health Advisory Board

02/2020 to Present

San Diego County Science Olympiad

09/2018 to Present

Onkur Bangla Language Academy

05/2017 to Present

Membership qualifications for the APCD Governing Board are as follows:

Qualifications. All public members shall reside within the boundaries of San Diego County and shall be appointed on the basis of their demonstrated interest and proven ability in the field of air pollution control and their understanding of the needs of the general public in connection with the air pollution problems of the San Diego County. Specific qualifications for each of the three (3) public Board members, as established by Health & Safety Code section 40100.6(a)(4)(A)–(C), are as follows:

1. One public member shall be a **physician or public health professional** actively practicing within the boundaries of the San Diego County. The member's specialty shall be in the health effects of air pollution on vulnerable populations.
2. One public member shall be a **person representing environmental justice interests** and who works directly with communities within the boundaries of the San Diego County that are most significantly burdened by, and vulnerable to, high levels of pollution, including communities with diverse racial and ethnic populations and communities with low-income populations. This member may be a resident of that community and have a demonstrated record of community leadership.
3. One public member shall be a **person with a scientific or technical background in air pollution**, such as an environmental engineer, chemist, meteorologist, or air pollution specialist.

NOTE: Public members will be appointed by the San Diego County Air Pollution Control District Governing Board. Each public member will serve a four-year term and is entitled to receive compensation for participation on the Governing Board. Please review [Assembly Bill 423 \(AB 423\) SEC. 6. Section 40100.6](#) for details.

Please note that this application is a public record subject to disclosure. This application will be maintained for a period of one year.

By signing below, I declare that the information provided above is accurate and complete to the best of my knowledge.

Zohir Chowdhury

Applicant's Name

Zohir Chowdhury

Applicant's Signature

03/23/2021

Date

CONTACT INFORMATION

Chowdhury

Last Name

Zohir

First Name

Note: Personal information may be withheld from public view as allowed by law.

<div>Home Street Address</div> <div></div>	<div>San Diego</div> <div>City</div>	<div>CA 92129</div> <div>State Zip</div>
<div>Mailing Address (if different than home address)</div> <div></div>	<div>San Diego</div> <div>City</div>	<div>CA 92129</div> <div>State Zip</div>
<div>Business Street Address</div> <div></div>	<div>San Diego</div> <div>City</div>	<div>CA 92129</div> <div>State Zip</div>
<div>Home Phone #</div> <div></div>	<div>Business Phone #</div> <div></div>	
<div>Mobile Phone #</div> <div></div>		
<div>E-Mail Address</div> <div></div>		

Zohir Chowdhury

I. EDUCATION

Summary:

- Graduate education completed from top 10 research universities in the United States in the fields of environmental engineering and environmental science with an emphasis in outdoor and indoor air pollution monitoring, mitigation, and health effects
- Graduate research work led to multiple years of international travel in multiple Asian countries for assessing exposure to air pollution

Ph.D.	2000-2004	<u>Georgia Institute of Technology</u> , Atlanta, GA, USA Major: Atmospheric Chemistry Minor: Environmental Engineering
M.S.	1997-2000	<u>California Institute of Technology</u> , Pasadena, CA, USA Major: Environmental Engineering Science (emphasis in Air Pollution) Minor: Geology and Planetary Science
B.S.	1994-1997	<u>Montana Tech of the Univ. of Montana</u> , Butte, MT, USA Major: Environmental Engineering

II. WORK EXPERIENCE

Summary:

- Sixteen years of research & teaching experience in air pollution as a Professor or Post-Doctoral Researcher in multiple American universities. Prior to this, eight years of research experience in air pollution as a Research Assistant
- Worked as a consultant in air pollution mitigation for multiple national & international institutions
- Research expertise: outdoor and indoor air pollution exposure assessment, air pollution sampling and monitoring, city and community level climate action plan (CAP) assessment

Associate Professor	Division of Environmental Health School of Public Health, San Diego State University San Diego, CA, USA	Aug 2012 to Present
Core Adjunct Professor	School of Health and Human Services National University, La Jolla, CA 92037	Nov 2010 to Present
Independent Contractor	Center for Investigative Reporting Berkeley, CA 94704	Mar 2012 to Jan 2013

Assistant Professor	Division of Environmental Health Graduate School of Public Health San Diego State University, San Diego, CA, USA	Aug 2007 to Jul 2012
Assistant Professor	Joint Doctoral Program in Global Health Graduate School of Public Health San Diego State University, San Diego, CA, USA	June 2008 to Present
Adjunct Professor	Division of Environmental Health Graduate School of Public Health San Diego State University, San Diego, CA, USA	Apr 2007 to Aug 2008
Consultant	Health Effects Institute Boston, MA, USA	Sep 2007 to May 2009
Lecturer	Environmental Health Sciences School of Public Health University of California at Berkeley, Berkeley, CA, USA	Jan 2007 to May 2007
Post-Doctoral Researcher	Environmental Health Sciences School of Public Health University of California at Berkeley, Berkeley, CA, USA	June 2004 to Aug 2007
Graduate Research Assistant	School of Earth & Atmospheric Sciences Georgia Institute of Technology, Atlanta, GA, USA	Aug 2000 to Jun 2004
Consultant	The World Bank/Dept. of Environment Dhaka, Bangladesh	Dec 2002 to Jan 2003
Graduate Research Assistant	Environmental Engineering & Sciences California Institute of Technology, Pasadena, CA, USA	Sep 1997 to Aug 2000
Undergraduate Teaching & Research Assistant	Environmental Engineering Montana Tech of the Univ. of Montana Butte, MT, USA	Sep 1995 to Jun 1997

III. SERVICE

Board Memberships in Organizations & Institutions

- Voting Member, Environmental Health Advisory Board (EHAB), Division of Environmental Health, County of San Diego (02/2020—Present)
- Voting Member, MPH Advisory Board, College of Health & Human Services, National University (08/2018—Present)
- Voting Member, Board of Trustees, Onkur—Bangla Language Academy (5/2017—Present)

Service to the Community:

- Science Olympiad San Diego Regional Event Supervisor (High School Division C and Middle School Division B), San Diego, CA (Year 2018—Present)
- Science Olympiad Teaching, Ecology (developed and taught course in ecological principles for students in grades 6-8), Science Olympiad (Division B), Black Mountain Middle School. (August 2017-April 2018, cumulative hours tracked 80 hrs+)
- Science Olympiad Teaching, Ecology (developed and taught course in ecological principles for students in grades 6-8), Science Olympiad (Division B), Black Mountain Middle School. (August 2016-April 2017, cumulative hours tracked 80 hrs+)
- Science Olympiad Teaching, Green Generation (developed and taught course in Environmental Science for students in grades 6-8), Science Olympiad (Division B), Black Mountain Middle School. (August 2015-April 2016, cumulative hours tracked 120 hrs+)
- Volunteer Proctor, Science Olympiad Competition, Black Mountain Middle School. (November 6, 2015)
- Chair, San Diego Bangla School Committee. (August 2012-December 2016)
- School of Health and Human Services, National University: designed three online courses COH400 (9/2012 to 6/2013), COH608 (09/2012 to 6/2013), and COH 601 (8/2020 to 11/2021)
- Supervisor, Graduate Research Experience for Vilayphone A. Sisouphanthong, National University (2011).
- Sustainable San Diego: participated in several meetings between March-May 2010 in their Public Health Forum.
- “Climate change and implications on health”, Pomerado Hospital, San Diego, CA, USA (Invited Talk, Apr 24, 2009)
- Supervisor, Undergraduate Research Internship Experience, Mesa Community College (Mar 2008 to June 2008)
- Round Table discussion: San Diego Foundation (2008)
- Seminar participation: UCSD, SD Focus 2050 (2008)

Service in International Organizations

- Moderator, Plenary IV: Innovation in Responsible Consumption and Production, Workshop on Celebrating Innovation in Health and Sustainable Development, January 4-5, 2017
- Attendee, The Gobeshona Conference for Research on Climate Change in Bangladesh (January 08 to 11, 2016)
- Subject expert, Transport Emission Mapping and Monitoring Capacity Building in 5 selected African cities, Environmental Solutions and Consultancy, Dubai, UAE (2015).

Service to San Diego State University

- Chair, Search Committee for SPH UG Director (2019—Present)
- Voting Member, University Undergraduate Curriculum Committee (2020—Present)
- Member, International Affairs University Council Committee (2020—Present)
- Member of Dean's Advisory Council, SDSU Global Campus (previously known as College of Extended Studies) (2018—Present)
- Member, SDSU COILers Group (ad hoc), International Affairs (2020—Present)
- Voting Member, Student Research Symposium (SRS) (08/2014—Present)
- Member, SPH Undergraduate Program Committee (ad hoc) (2020—Present)
- Judge (4 sessions), SDSU's 14th Student Research Symposium, March 19-20, 2021
- Chair, Curriculum committee, College Level, College of Health & Human Services (2018—2020)
- Chair, Curriculum committee, School Level, School of Public Health (2019—2020)
- Member, Evaluation Committee, School of Public Health (2017—2020)
- Member, Global Health Committee, School of Public Health (2019—2020)
- Core faculty member, The Sage Project (2014—2019)
- Member, Graduate Student Travel Fund Subcommittee (2014—2019)
- Member, Inamori Subcommittee (2014—2019)
- Chair, Ad-hoc Laboratory Resources Committee (2011—2019)
- Member, Curriculum committee, College Level, College of Health & Human Services (2017-2018)
- Search Committee for Dean of College of Extended Studies (2017-2018)
- Search Committee for Faculty in the Blue Gold Area of Excellence (2016-2018)
- Member, Academic Senate (08/2012-5/2017)
- Alternate Member, Institutional Review Board (IRB) (08/2012-5/2017)
- Member, Student Affairs and Alumni Committee (08/2007-08/2014)
- Member, Environmental Health & Safety Committee (06/2008-01/2014)
- Member, Laboratory Resources Committee (08/2009-05/2011)

Participation in Professional Associations

- Member, Air and Waste Management Association
- Member, American Association for Aerosol Research
- Member, International Society of Exposure Analysis
- Member, Partnership for Clean Indoor Air
- Member, Bangladesh Environment Network

Reviewer Work for Textbook

1. George Luber and Jay Lemery. "The Health Consequences of a Changing Climate: Public Health and Clinical Perspectives"

Reviewer Work for Research Proposal

1. Kuwait Foundation for the Advancement of Sciences (KFAS), Proposal Final Report Review, 2021.
2. Kuwait Foundation for the Advancement of Sciences (KFAS), Proposal Cycle Review, 2019.
3. AAAS Research Competitiveness Program, King Abdulaziz City for Science and Technology (KACST) Proposal Review, 2015.

4. Superior Council of the National Fund for Scientific & Technological Development (FONDECYT), National Research Funding Competition, Comisión Nacional de Investigación Científica y Tecnológica (CONICYT), Chile, 2013.
5. Ministry of Science and Innovation, Wellington, New Zealand, Proposal Review, 2012.
6. AAAS Research Competitiveness Program, King Abdulaziz City for Science and Technology (KACST) Proposal Review, 2012.

Reviewer Work for Technical Journals

1. Reviewer, Atmospheric Environment: 2013, 2014, 2015
2. Reviewer, Environmental Science & Technology: 2004, 2005, 2006, 2008, 2009, 2011
3. Reviewer, Aerosol and Air Quality Research: 2010, 2011
4. Reviewer, Indoor Air: 2008, 2010
5. Reviewer, Science of the Total Environment: 2007, 2009
6. Reviewer, Biomass & Bioenergy: 2007

IV. PROFESSIONAL GROWTH

Published Articles in Refereed Journals

23. **Chowdhury, Zohir**; Molina-Lopez, Kaytlin; Quintana, Penelope JE (2020). “Historical Trend Analysis of PM_{2.5} Concentrations from 2000-2018 in Imperial County, California and the Impact of Wind Direction and Agricultural Burning,” Under Review Atmospheric Pollution Research (Submitted).
22. Villavicencio, Josefina; Benitez, Alexandra; Barlow, Jessica; **Chowdhury, Zohir** (2019). “Assessing air quality through a sustainable educational model,” Journal of Sustainability Education, Vol. 19, ISSN: 2151-7452.
21. Matt, Georg E.; Quintana, Penelope J.E.; Hoh, Eunha; Zakarian, Joy M.; **Chowdhury, Zohir**; Hovell, Melbourne F.; Jacob, Peyton; Watanabe, Kayo; Theweny, Teaba S.; Flores, Victoria; Nguyen, Anh; Dhaliwal, Narinder; Hayward, Gary (2018). “A casino goes smoke free: a longitudinal study of secondhand and thirdhand smoke pollution and exposure”, Tobacco Control, Published Online First: 08 February 2018. <http://dx.doi.org/10.1136/tobaccocontrol-2017-054052>
20. Pillarisetti, Ajay; Allen, Tracy; Ruiz-Mercado, Ilse; Edwards, Rufus; **Chowdhury, Zohir**; Garland, Charity; Hill, Drew; Johnson, Michael; Litton, Charles; Lam, Nicholas; Pennise, David; Smith, Kirk R. (2017). “Small, smart, fast, and cheap: Microchip-based sensors to estimate air pollution exposures in rural households,” Sensors, 17(8), 1879. <https://doi.org/10.3390/s17081879>
19. Houston, Douglas; Dang, Andy; Wu, Jun; **Chowdhury, Zohir**; Edwards, Rufus (2016). “The cost of convenience; air pollution and noise on freeway and arterial light rail station platforms in Los Angeles”, Transportation Research Part D, 49, 127-137. <http://dx.doi.org/10.1016/j.trd.2016.09.011>
18. Joseph, Abba; Unnikrishnan, Seema; Kumar, Rakesh; **Chowdhury, Zohir**; Sawant, Shiwaji (2016). Source identification and quantification of PM_{2.5} aerosol in Mumbai using receptor techniques. J. of Environ. Science & Engineering, Vol 58, No 1, pg 27-48.
17. Antonel, Jessica and **Chowdhury, Zohir** (2014). “Measuring ambient particulate matter in three

cities in Cameroon, Africa.” *Atmospheric Environment*, 95, 344-354,
DOI:10.1016/j.atmosenv.2014.06.053

16. 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.

15. Gevaart-Durkin, Ashley R.; Swart, Dehran; **Chowdhury, Zohir** (2014). “A study of energy-related injuries from hospital admissions among children and adults in South Africa,” *Burns*, DOI: 10.1016/j.burns.2013.12.014

14. Klepeis, Neil E.; Hughes, Suzanne C., Edwards, Rufus D., Allen, Tracy; Johnson, Michael Johnson, **Chowdhury, Zohir**; Smith, Kirk R.; Boman-Davis, Marie; Bellettiere, John; and Hovell, Melbourne F. (2013). “Promoting Smoke-Free Homes: A Novel Behavioral Intervention Using Real-Time Audio-Visual Feedback on Airborne Particle Levels,” PLOS ONE. DOI: 10.1371/journal.pone.0073251

13. **Chowdhury, Zohir**; Campanella, Luke; Gray, Christen; Masud, Abdullah A.; Marter-Kenyon, Jessica; Pennise, David; Charron, Dana; Zuzhang, Xia (2013). “Measurement and modeling of indoor air pollution in rural households with multiple stove interventions in Yunnan, China”, **Atmospheric Environment**, Vol. 67, pp 161-169.

12. **Chowdhury, Zohir**; Le, Leah T.; Masud, Abdullah A.; Chang, Karen C.; Alauddin, Mohammad; Hossain, Mahmood; Zakaria, ABM; Hopke, Philip K. (2012) “Quantification of indoor air pollution from using cookstoves and estimating its health effects in Northwest Bangladesh”, *J. of Aerosol and Air Quality Research*, Vol 12, No. 4, pp 463-475.

11. Abba, Elizabeth J.; Unnikrishnan, Seema; Kumar, Rakesh; Yeole, Balkrishna; **Chowdhury, Zohir** (2012). Fine Aerosol and PAH Carcinogenicity Estimation in Outdoor Environment of Mumbai City, *International Journal of Environmental Health Research*, Vol 22, pp 134-149.

10. Begum, Bilkis A.; Hossain, Anwar; Saroar, Golam; Biswas, Swapan K.; Nasiruddin, Md.; Nahar, Nurun; **Chowdhury, Zohir**; Hokpe, Philip K. (2011). “Sources of carbonaceous materials in the airborne particulate matter of Dhaka, *Asian Journal of Atmospheric Environment*, Vol 5-4, pp 237-246.

9. Ryhl-Svendsen, Morten; Clausen, Geo; **Chowdhury, Zohir**; Smith, Kirk R. (2010). “Fine particles and carbon monoxide from wood burning in 17th-19th century Danish kitchens: measurements at two reconstructed farm houses at the Lejre Historical-Archaeological Experimental Center.” *Atmospheric Environment*, 44, 6, 735-744, doi: 10.1016/j.atmosenv.2009.11.045

8. Norcross, Amanda; McCracken, John; **Chowdhury, Zohir**, Canuz, Eduardo; Smith, Kirk R. (2010) “Estimating Personal PM2.5 Exposures using CO Measurements in Guatemalan Households Cooking with Woodfuel”, *Journal of Environmental Monitoring*, 12, 873-878, doi: 10.1039/B916068J

7. Woodcock, James; Edwards, Phil; Tonne, Cathryn; Armstrong, Ben; Ashiru, Olu; Banister, David; Beevers, Sean; Chalabi, Zaid; **Chowdhury, Zohir**; Cohen, Aaron; Franco, Oscar H.; Haines, Andy; Hickman, Robin; Lindsay, Graeme; Mittal, Ishaan; Mohan, Dinesh; Tiwari, Geetam; Woodward, Alistair A.; Roberts, Ian (2009). “Public health benefits of strategies to reduce greenhouse-gas

emissions: urban land transport,” *The Lancet*, 374, 1930-1943

6. **Chowdhury, Zohir**; Zheng, Mei; Schauer, James J.; Sheesley, Rebecca J.; Salmon, Lynn G.; Cass, Glen R.; Russell, Armistead G.(2007). “Speciation of ambient fine organic carbon particles and source apportionment of PM_{2.5} in Indian cities,” *Journal of Geophysical Research-Atmospheres*, 112, D15303, doi:10.1029/2007JD008386.

5. **Chowdhury, Zohir**; Edwards, Rufus; Johnson, Michael; Shields, Kyra N.; Allen, Tracy; Canuz, Eduardo; and Smith, Kirk R. (2007). “An inexpensive light-scattering particle monitor: chamber and field validations with woodsmoke”, *Journal of Environmental Monitoring*, 9, 1099-1106, doi: 39/b709329m.

4. Sheesley, Rebecca J.; Schauer, James J.; **Chowdhury, Zohir**; and Cass, Glen R.(2003) “Characterization of Organic Aerosols Emitted from the Combustion of Biomass Indigenous to the Indian Subcontinent,” *Journal of Geophysical Research*, **108**, No. **D9**, AAC 8-1 to AAC 8-15.

3. Eldering, Annmarie; Ogren, J. A., **Chowdhury, Zohir**; Hughes, Lara S.; Cass, Glen R.. (2002) “Aerosol optical properties during INDOEX based on measured aerosol particle size and composition”, *Journal of Geophysical Research-Atmospheres*, **107**.

2. **Chowdhury, Zohir**; Hughes, Lara S.; Salmon, Lynn G.; and Cass, Glen R. (2001) “Atmospheric Particle Size and Composition Measurements to Support Light Extinction Calculations over the Indian Ocean,” *Journal of Geophysical Research*, **106** 28,597-28,605.

1. Cantrell, Will; Shaw, Glenn; Cass, Glen R.; **Chowdhury, Zohir**; Hughes, Lara S.; Prather, Kimberly A.; Guazotti, Sergio A.; and Coffee, Keith R. (2001) “Closure Between Aerosol Particles and Cloud Condensation Nuclei at Kaashidhoo Climate Observatory,” *Journal of Geophysical Research*, **106** 28,711-28,718.

Articles in Refereed Proceedings

Chowdhury, Zohir; Anousheh, Ramtin; Broadwin, Rachael; Malig, Brian; Ostro, Bart (2008). “Time series study of PM_{2.5} source apportionment for use in health assessment in several California counties from 2001-2005.” *Peer-reviewed A&WMA Conference Proceeding Paper* Paper Number: 580, June 23-27, Portland, Oregon.

Chowdhury, Zohir; Zheng, Mei; Russell, Armistead G.; Cass, Glen R.; Salmon, Lynn G.; Sheesley, Rebecca J.; Schauer, James J. (2004) “Source apportionment and chemical characterization of the ambient fine particle aerosol in Delhi.” *Peer-reviewed A&WMA Conference Proceeding Paper*, April 19-22, Cary, North Carolina.

Unpublished, Refereed Papers Before Professional Conferences

Presented in Conferences as a Speaker

“UN Toolkit for Campus Climate Action Planning,” California Higher Education Sustainability Conference (CHESC), 18th annual conference, University of California, Santa Barbara, California, USA. July 8-11, 2019.

“The Sage Project—teaching sustainability in classrooms,” Sustainability Summit, Energy, Peace, and Global Governance, Xavier School of Sustainability, Xavier University, Bhubaneswar, India. August 11-13, 2016 (Invited Talk)

“Longitudinal fine and ultrafine air pollution measurements in a large casino taken before and after a smoking ban”, The International Society of Exposure Science, Henderson, NV, USA, October 18-22, 2015.

“Estimating contribution of household air pollution in ambient air pollution,” Global Alliance for Clean Cookstoves, July 15-16, 2015, Washington, DC, USA (Invited Talk)

“Fine particulate matter air pollution in South Asia”, Forum on Energy and Climate Justice, April 11, 2013, San Diego, CA, USA (Invited Talk)

“An overview and summary of current Asian particulate matter source apportionment studies,” Better Air Quality (BAQ) Bi-Annual Conference, November 8-11, 2010, Singapore (International Conference)

“Particulate Matter Source Apportionment: An Overview and Summary of Current Asian Studies”, ISES-ISEE 2010 Joint Conference, August 8-September 1, 2010, Seoul, South Korea. (International Conference)

“Fine particulate matter concentrations in kitchens, bedrooms, and outdoors in highland Guatemala—methods and results”, World Health Organization (WHO) and German Technical Cooperation (GTZ) Joint Conference in Indoor Air Pollution, June 15-17, 2009, Dhaka, Bangladesh. (International Conference)

“Current Source Apportionment Studies in Asia: An Overview”, Better Air Quality 2008, Bangkok, Thailand, November 12-14, 2008. (International Conference)

“Indoor PM_{2.5} and CO Concentrations Reduction from Improved Stoves Installation in Rural Northwest Yunnan Province, China”, Sub-plenary talk, Better Air Quality 2008, Bangkok, Thailand, November 12-14, 2008. (International Conference)

“Monitoring and Evaluations of Household Energy Projects”, PCIA Pre-event, Better Air Quality 2008, Bangkok, Thailand, November 11, 2008. (International Conference)

“Integrated & Real-time PM_{2.5} Concentrations in Kitchens, Bedrooms, and Outdoors in Highland Guatemala Using both Gravimetric and UCB Particle Monitor”, American Association of Aerosol Research, Orlando, FL, October 20-24, 2008.

“Integrated PM_{2.5} Concentrations in three household microenvironments in Highland Guatemala”, International Society of Exposure Assessment, Pasadena, CA, October 12-16, 2008.

“Time series study of PM_{2.5} source apportionment for use in health assessment in several California counties from 2001-2005.” Air and Waste Management Association, June 23-27, 2008, Portland, Oregon.

“Field validation of the UCB particle monitor”, ETHOS Conference, Kirkland, WA, January 27-29, 2006.

“Kitchen PM_{2.5} concentrations measured with an inexpensive monitor in Highland Guatemala”, International Society of Exposure Assessment, Conference, Tucson, AZ, October 31-November 5, 2005.

“State of Bangladesh’s environment and BEN’s initiative and their outcomes,” American Association of Bangladeshi Engineers and Architects, Santa Clara, CA, November 20, 2004.

“Size distribution and chemical composition of fine particles in Kaashidhoo during INDOEX”, Tropical Environmental Problems Workshop in the Light of The INDOEX Program”, Palampur, Himachal Pradesh, India, October 9-13, 2000.

Presented in Conferences as a Poster

“Measurements of particulate matter air pollution in food courts in San Diego’s shopping malls.” The International Society of Exposure Science, Henderson, NV, USA, October 18-22, 2015.

“Seasonal ultrafine and fine particulate matter monitoring in Dhaka, Bangladesh,” Integrated Conference of BAQ2014 and Intergovernmental 8th Regional EST Forum in Asia, November 19-21, 2014, Sri Lanka (International Conference).

“Winter season ambient fine and ultrafine particulate measurement in various locations of Mumbai, India”, Integrated Conference of BAQ2014 and Intergovernmental 8th Regional EST Forum in Asia, November 19-21, 2014, Sri Lanka (International Conference).

“Characterization of indoor particulate matter and carbon monoxide concentrations from using improved cook stoves in Northwest Bangladesh Better Air Quality (BAQ) Bi-Annual Conference, November 8-11, 2010, Singapore (International Conference)

“Size distributed chemical composition of fine particles emitted from burning South Asian biofuels and coals,” Better Air Quality (BAQ) Bi-Annual Conference, November 8-11, 2010, Singapore (International Conference)

Time Series Study Of Fine Particulate Matter Source Apportionment For Use In Health Assessment In Seven California Counties From 2001-2005, American Association of Aerosol Research, Minneapolis, MN, USA

“Size Distributed Chemical Composition of Fine Particles Emitted from Burning Coals from India, China, and Bangladesh”, Better Air Quality 2008, Bangkok, Thailand, November 12-14, 2008. (International Conference—Poster Presentation)

“Size Distributed Chemical Composition of Fine Particles Emitted from Burning Asian Coals”, American Association of Aerosol Research, Orlando, FL, October 20-24, 2008. (Poster Presentation)

“Concentrations of wintertime atmospheric PM_{2.5} and CO in San Lorenzo, Guatemala”, ISEA Conference, Tucson, AZ, October 31-November 5, 2005. (Poster Presentation)

“Source Apportionment and Characterization of Ambient Fine Particles in Delhi, Mumbai, Kolkata, and Chandigarh”. Better Air Quality 2004 (BAQ2004), Agra, India. December 6-8, 2004. (Poster Presentation)

“Chemical Characterization of the Ambient Fine Particle Aerosol in Delhi, Mumbai, and Kolkata.” American Association of Aerosol Research, AAAR-PM Conference, Pittsburgh, PA, USA. March 30-April 4, 2003. (Poster Presentation)

“Atmospheric Particle Size and Composition Measurements to Support Light Extinction Calculations over the Indian Ocean”, American Geophysical Union, San Francisco, CA, USA, December 1999. (Poster Presentation)

Invited Guest Lectures at SDSU:

“Air Quality: An Introduction”, Invited lecture at SDSU, PH304, Introduction to Environmental Health, February 27, 2020.

“Indoor & Outdoor Air Quality Challenges: A Global Perspective,” Invited lecture at SDSU, PH 780, Global Health, November 13, 2019

“Global health challenges in air pollution,” Invited guest lecture at SDSU, PH780, Global Health, November 7, 2018

“Global health challenges in Indoor and Outdoor air pollution,” Invited guest lecture at SDSU, PH780, Global Health I, November 8, 2017

“Health impacts from Climate Change,” Invited guest lecture at SDSU, PH781, Global Health II, March 24, 2015

“Indoor air pollution and biomass burning,” Invited guest lecture at SDSU, PH784, Global Environmental Health, April 7, 2014

“Introduction to climate change,” Invited guest lecture at SDSU, Fall 2013: PH101, Intro to Public Health, November 2013.

“Introduction to climate change,” Invited guest lecture at SDSU, Summer 2013: PH101, Intro to Public Health, June 2013.

“Introduction to climate change,” Invited guest lecture at SDSU, Spring 2013: PH101, Intro to Public Health, March 22, 2013.

“Indoor air pollution and biomass burning,” Invited guest lecture at SDSU, PH784, Global Environmental Health, February 7, 2013

“The evidence and science behind climate change,” Invited guest lecture at SDSU, PH604, Environmental Determinants of Human Health, November 20 and 21, 2012. (Two sections of PH604)

“Introduction to climate change,” Invited guest lecture at SDSU, PH101, Intro to Public Health, November 16, 2012.

“The evidence and science behind climate change,” Invited guest lecture at SDSU, PH604, Environmental Determinants of Human Health, September 21, 2011.

“Climate change: evidence, science, and mitigation,” Invited guest lecture at SDSU, PH362, International Health, June 22, 2011.

“Introduction to climate change,” Invited guest lecture at SDSU, PH101, Intro to Public Health, June 7, 2011.

“Climate change: evidence, science, and mitigation,” Invited guest lecture at SDSU, PH362, International Health, April, 2011

“Indoor air pollution and biomass burning,” Invited guest lecture at SDSU, PH784, Global Environmental Health, February 10, 2011.

“Exposure assessment of air pollutants,” Invited guest lecture at SDSU, PH630, Environmental Health Risk Assessment, April 29, 2010

“Climate change: evidence, science, and mitigation,” Invited guest lecture at SDSU, PH362, International Health, Section-2, October 12, 2009.

“Climate change: evidence, science, and mitigation,” Invited guest lecture at SDSU, PH 362, International Health, Section-1, October 11, 2009.

“Newest Methods in Air Toxics Research”, Invited guest lecture at SDSU, PH 738: Topics in Toxicology, Apr 6, 2009.

“Global climate change,” Invited guest lecture at SDSU, PH 781, Global Health II, Apr 10, 2008.

“Source apportionment of fine particle air pollution: example from India,” Invited guest lecture at SDSU, PH 800: Seminar in Qualitative Methods, March 13, 2008.

Technical Reports to Agencies

- Josephina Villavicencio, Alexandra Benitez, and **Zohir Chowdhury** (2017). [Final Report submitted to the City of Lemon Grove, California as part of the Sage Project at SDSU].
- Keagan Heights, Victoria Lawless, Christi Yip, and **Zohir Chowdhury** (2017). “Mitigation and Adaptation Strategies for Climate Change in Lemon Grove, CA, USA,” [Final Report submitted to the United Nations Habitat Programme, Nairobi.
- Ava Barekat and **Zohir Chowdhury** (2015). “Air Quality in National City,” [Final Report submitted to the City of National City, California as part of the Sage Project at SDSU].
- Jeremy McKinstry and **Zohir Chowdhury** (2015). “Mitigation Strategies for a Changing Climate in National City, CA,” [Final Report submitted to the City of National City, California as part of the Sage Project at SDSU].
- **Chowdhury, Zohir**; Al Masud, Abdullah; and Sandhu, Loveleen (2012). “Source apportionment of PM2.5 in Imperial County,” [Progress Report I (submitted June 1, 2012), Progress Report II (submitted October 1, 2012), and Progress Report III (submitted February 1, 2013)]

- **Chowdhury, Zohir** and Le, Leah T. (2011). “Characterization of indoor particulate matter and carbon monoxide concentrations from using cook stoves in Northwest Bangladesh,” Final Report, February 2011, Concern Worldwide in Bangladesh, Saidpur, Bangladesh.
- **Chowdhury, Zohir**; Hossain, Mir T.; Kulkarni, Ganesh (2008). “Projecting fine Particulate Matter (PM_{2.5}) concentrations for San Diego County for the years 2025 and 2050”, Final Report, June 2008, San Diego Foundation, San Diego, CA
- **Chowdhury, Zohir** (2006). “Source Apportionment of Ambient Fine Particulate Matter in Seven California Counties from 2001 to 2004” Final Report. May 2006. Office of Environmental Health Hazard Assessment (OEHHA), California Environmental Protection Agency.
- Naeher, Luke N.; Smith, Kirk R.; Brauer, Michael; **Chowdhury, Zohir**; Simpson, Chris; Koenig, Jane Q.; Lipsett, Michael; Zelikoff, Judith T. (2005). “Critical Review of the Health Effects of Woodsmoke,” Final Report, March 2005, Health Canada, Ottawa, Canada.
- Karsten, Baumann; Zheng, Mei; Chang, Michael; Russell, Armistead; Bergin, Michael, **Chowdhury, Zohir** (2005). “Study of Air Quality Impacts Resulting from Prescribed Burning—Focus on Sub-Regional PM_{2.5} and Source Apportionment,” Final Report #3506C05/C22, March 31, 2005, Engineering and Environment, Inc. Virginia Beach, VA.
- **Chowdhury, Zohir**; Zheng, Mei; Russell, Armistead G. (2004). “Source Apportionment and Characterization of Ambient Fine Particles in Delhi, Mumbai, Kolkata, and Chandigarh” Final Report. January 2004. The World Bank.

Scholarly Awards

- Sustainability Award Finalist (2019), The Association for the Advancement of Sustainability in Higher Education (AASHE)’s Sustainability Award in the Campus Sustainability Research Category for Outstanding Research in Sustainability, Philadelphia, PA
- Certificate of Appreciation for contributing guidance, inspiration, and support to the San Diego Regional Science Olympiad Competition (2019), San Diego County Regional Science Olympiad, San Diego, CA
- Leadership and Excellence Award (2018), Science Olympiad, Black Mountain Middle School, San Diego, CA
- Leadership and Excellence Award (2017), Science Olympiad, Black Mountain Middle School, San Diego, CA
- Volunteer Coaching Award (2016), Science Olympiad, Black Mountain Middle School, San Diego, CA
- Outstanding Faculty Award (2016), Graduate School of Public Health, San Diego State University, San Diego, CA

- Outstanding Faculty Award (2015), College of Health and Human Services, National University, San Diego, CA
- Outstanding Faculty Award (2014), Graduate School of Public Health, San Diego State University, San Diego, CA
- Outstanding Faculty Award (2012), Graduate School of Public Health, San Diego State University, San Diego, CA
- Certificate of Recognition (2009), Partnership of Clean Indoor Air (PCIA), United States Environmental Protection Agency (USEPA)
- Outstanding Service Recognition Award (2007), School of Public Health , UC Berkeley, CA
- Best Poster Award (2004), Better Air Quality Conference (BAQ2004), Agra, India. December 6-8, 2004
- Recipient, Caltech Lee Powell Fellowship (1997), California Institute of Technology, Pasadena, CA
- National Champion Award, Las Cruces, New Mexico, 1997. Conducted a year-long research work with a team of 10 students to win National Champion Award (\$10,000) in the international collegiate contest. Research Task: “Remediation of HEPA Filters Contaminated with Plutonium and Nitric Acid.”
- Member, Delta Omega, Public Health Honor Society, San Diego State University, San Diego, CA, USA
- Member, Tau Beta Pi, Engineering Honor Society, Montana Tech of the University of Montana, Butte, MT, USA

Funded Research Grants

PI: Penelope J. E. Quintana
 CO-PI: **Zohir Chowdhury**
 Period: 10/1/2018 to 12/31/2020
 Title: The San Ysidro Air Monitoring Network: Expanding the Model Community-to-Community (SDSURF Proposal ID S00022370, Fund Code 59562A)
 Agency: Casa Familiar
 Amount: \$61,680

PI: Penelope J. E. Quintana
 CO-PI: **Zohir Chowdhury**
 Period: 2/1/2019 to 12/31/2019
 Title: San Ysidro Port-Of-Entry Community Air Study (SDSURF Proposal ID S00023539)
 Agency: University of Washington
 Amount: \$12,000

PI: Penelope J. E. Quintana
CO-PI: **Zohir Chowdhury**
Period: 7/1/2016 to 4/30/2018
Title: Community Air Sensing Year 2 (SDSURF Fund Code 58513B)
Agency: University of Washington
Amount: \$41,373

PI: Penelope J. E. Quintana
CO-PIs: Trent Biggs, **Zohir Chowdhury**, Fernando De Sales
Period: 3/15/2017 to 3/13/2020
Title: Improving the CalEnviroScreen Score at the US-Mexico border (SDSURF Proposal ID S00020318, Fund Code 58918A)
Agency: State of California, California Air Resources Board
Amount: \$150,000

PI: Penelope J. E. Quintana
CO-PI: **Zohir Chowdhury**
Period: 7/1/2016 to 5/30/2018
Title: Spatial Distribution of Particulate Matter and Black Carbon Pollution in the Border Community of San Ysidro, CA (SDSURF Proposal ID S00020264, Fund Code 58674A)
Agency: State of California, California Office of Environmental Health Hazard Assessment
Amount: \$32,949

PI: Penelope J. E. Quintana
CO-PI: **Zohir Chowdhury**
Period: 7/1/2016 to 4/30/2018
Title: Community Air Sensing to Promote Community Health at the US-Mexico Border (SDSURF Proposal ID S00020279)
Agency: The University of Washington
Amount: 19,425

PI: Penelope J. E. Quintana
CO-PI: **Zohir Chowdhury**
Period: 11/1/2015 to 6/30/2016
Title: Community Air Sensing to Promote Community Health at the US-Mexico Border (SDSURF Proposal ID S00018789)
Agency: The University of Washington
Amount: 22,719

PI: **Zohir Chowdhury**
Period: 06/2014 to Present
Title: National City Air Pollution Project (SDSU Fund Code C03948)
Agency: Various
Amount: \$5,000

PI: **Zohir Chowdhury**
Period: 06/2014 to 08/2014
Title: Air Pollution Sampling in National City using Citisense
Agency: University of California, San Diego
Amount: \$7,882

PI: **Zohir Chowdhury** and Ally Lu
 Period: 05/2014 to 08/2014
 Title: Measurements of Particulate Matter Air Pollution in Food Courts in San Diego's Shopping Malls
 Agency: University of California, San Diego
 Amount: \$2,700

PI: **Zohir Chowdhury**
 Period: 01/2014 to 06/2015
 Title: Air Quality Monitoring in National City
 Agency: San Diego State University SAGE Project
 Amount: \$4,000

PI: Georg E. Matt
 CO-PIs: Penelope J. E. Quintana, Eunha Hoh, **Zohir Chowdhury**
 Period: 07/2013 to 06/2016
 Title: Toward Smoke-free Casinos: The Win-River Experience
 Agency: Tobacco-Related Disease Research Program (TRDRP)
 Amount: \$269,209

PI: **Zohir Chowdhury**
 Period: 06/2013 to 12/2014
 Title: Development of forecasting and diagnostic tools in support of air quality management and public policy
 Agency: Universidad Andres Bello, Santiago, Chile
 Amount: \$16,000

PI: **Zohir Chowdhury**
 Period: 03/2012 to 12/2012
 Title: Source apportionment of ambient fine particle in Imperial Valley
 Agency: Center for Investigative Reporting, Berkeley, CA
 Amount: \$12,690

PI: **Zohir Chowdhury**
 Period: 01/2009 to 06/2010
 Title: Source apportionment & chemical speciation of ambient fine organic carbon
 Agency: SDSU UGP
 Amount: \$9,994

PI: **Zohir Chowdhury**
 Period: 5/2008 to 2/2009
 Title: Projecting fine Particulate Matter (PM_{2.5}) concentrations for San Diego County for the years 2025 and 2050 to support SD Focus 2050 Study (SDSURF Proposal ID S00010364, Fund Code 55299A)
 Agency: San Diego Foundation
 Amount: \$13,098

PI: Neil Klepeis (SDSU)
 CO-PI: Suzanne Hughes (SDSU), Rufus Edwards (University of California Irvine), Tracy Allen (EME Systems), Melbourne Hovell (SDSU), Kirk Smith (University of California Berkeley), **Zohir Chowdhury** (SDSU)
 Period: 7/1/2008 to 12/31/2009

Title: Instant SHS Feedback as a Catalyst for Smoke-Free Homes
 Agency: The Tobacco-Related Disease Research Program (TRDRP IDEA Award Cycle 17)
 Amount: 129,917

PI: **Zohir Chowdhury**
 Period: 09/2007 to 5/2009
 Title: HEI Special Report: Outdoor Air Pollution and Health in Developing Countries of Asia
 Agency: Health Effects Institute
 Amount: \$4,000

PI: **Zohir Chowdhury**
 Period: 8/2007 to 6/2008
 Title: Seasonal Source Apportionment of PM_{2.5} in 6 California counties using Chemical Mass Balance modeling (SDSURF Proposal ID S00009845, Fund Code 55118A)
 Agency: University of California, Berkeley.
 Amount: \$32,709

PI: Kirk R. Smith
 CO-PI: **Zohir Chowdhury**
 Period: 8/2007 to 6/2008
 Title: Seasonal Source Apportionment of PM_{2.5} in 6 California counties using Chemical Mass Balance modeling
 Agency: California State OEHHA
 Amount: \$64,699

PI: Kirk R. Smith
 CO-PIs: **Zohir Chowdhury**, Rufus Edwards, and Tracy Allen
 Period: 9/2007 to 9/2009
 Title: Development of the UCB-L Particle Monitor for California Applications in Environmental Justice
 Agency: California Air Resources Board
 Amount: \$213,088

PI: **Zohir Chowdhury**
 Period: 2005
 Title: Conducting seasonal source apportionment for PM_{2.5} in 7 California counties for the year 2000-2004
 Amount: Seed funding for \$4,950

PI: Armistead G. Russell
 CO-PI: **Zohir Chowdhury** and Mei Zheng
 Period: 2002-2004
 Title: Source apportionment of fine particles in Delhi, Mumbai, and Kolkata.
 Agency: The World Bank
 Amount: \$35,000

V. STUDENT RESEARCH & MENTORING

Membership in Theses as Chair

1. MS Thesis, Vincent Michael Hundley (2008). "Validation of the UCB Particle Monitor Using Different Combustion Sources"
2. MPH Thesis, Nathan Daley (2010). "The Impact of Personal Health on Climate Change: a Health Oriented Mitigation Strategy"
3. MPH Thesis, Brittany Finnegan (2010). "Risk Assessment for Consumption of Pesticides, PCB's and Mercury from Fish Caught off the Imperial Beach Pier"
4. MPH Thesis, Suzanne Barzee (2010). "Greenhouse Gas Emissions of Idling Vehicles at the San Diego-Mexico Border Crossings"
5. MPH Thesis, Christy Shwayhat (2011). "Source Apportionment of Ambient Fine Particulate Matter in Seven California Counties from 2001 to 2009"
6. MPH Thesis, Arturo Mota (2011). "Characterizing fine and ultrafine particulate matter in the community of San Ysidro"
7. MPH Thesis, Jacqueline Devera (2012). "Seasonal Differences in Fine Particulate Air Pollution in a Residential and in a Hotspot Area in Dhaka, Bangladesh"
8. MPH Thesis, Kiet Tuan Nguyen (2014). "Elevated Fine Particle Matter and Black Carbon Concentrations in Santiago, Chile during the Winter Season"
9. MPH Thesis, Kathryn Paras (2018). "Measurements of PM_{2.5}, PM_{1.0}, and Black Carbon in Cooking and Non-Cooking Environments Inside California Shopping Malls"
10. MPH Thesis, Kaltoum Kerdi (2018). "Seasonal Variation in Chemical Composition of PM_{2.5} in Four Sites in San Ysidro, California"
11. MPH Thesis, Gerald Biando (2018). "An Analysis of Restaurant Food Safety Practices Within Full-Service Restaurants During Peak Business Hours in San Diego County, California"
12. MPH Thesis, Madison McLaughlin (2019). "Evaluation of a Portable Chamber for Field Calibration of Particulate Matter Monitors"
13. MPH Thesis, Asmim Faria (2020). "Summer and Wintertime Chemical Composition, and Source Apportionment of Fine Particulate Matter (PM_{2.5}) in San Ysidro, California."
14. MPH Thesis, Kaytlin Molina (2020) "Historical Trend Analysis of PM_{2.5} Concentrations from 2000-2018 in Imperial County, California and the Impact of Wind Direction and Agricultural Burning"

Membership in Theses as Second Member

1. MPH Thesis, Andrew S. Kowalewsky (2008). "Comparison of Nanoparticle Surface Area Monitor with p-Trak for Evaluation of UF PM Near Major Highway"
2. MPH Thesis, Lynelle Garnica (2010). "Spatial Distribution of Traffic Related Air Pollutants in the Community of San Ysidro"
3. MPH Thesis, Denise Parker (2010). "Ultrafine Particulate Matter Concentration from Traffic Pollution in Solano Beach"
4. MPH Thesis, Shannon Barceloux (2010). "Biomarkers of Kidney and Liver Toxicity in Male Sprague-Dawley Rats Following Fourteen Day Oral Exposure to Methyl Tertiary-Butyl Ether"
5. MPH Thesis, Christopher Michael Carey (2010). "Agricultural Burning: Air Monitoring with Real-time Aerosol Monitors of PM_{2.5}, PM₁₀, and Aerosol Black Carbon, in Imperial County, California"
6. MPH Thesis, Jill Dumbauld (2011). "Traffic-related Air Pollution in the Community of San Ysidro, California, in Relation to Northbound Delays at the US-Mexico Border"
7. MPH Thesis, Edgar Rodriguez (2011). "Roadside Air Pollution Measurements and Traffic Volume in a US-Mexico Border City: Tijuana, B.C."
8. MPH Thesis, Jamison Gordon Gamble (2013). "Spatial Measurements of Traffic Related Air

- Pollutants in San Ysidro, California, Using Citisense: A Novel Mobile Air Quality Sensing System”
9. MPH Thesis, Kathrina Devera Buan (2014). “Particulate Matter Concentrations at Children and Adult Breathing Heights in Residential Thirdhand Smoke Environments”
 10. MPH Thesis, Eileen S. Natuzzi (2015). “Defining population health vulnerability following an extreme weather event in an urban Pacific Island environment: Honiara, Solomon Islands.”
 11. MPH Thesis, Priyansi Patel (2016). “Characterization of nanoparticle emissions from 3D printers in different environments.”
 12. MPH Thesis, Jeremy McKinstry (completed 2016). “Bikeshare and transit in National City, CA: implications for climate change, the economy and public policy”
 13. MPH Thesis, Rina Eisenberg (2018). “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”
 14. MPH Thesis, Paul Luat (2018). “Spatial distribution of Black Carbon in air samples from the U.S.-Mexico international border community of San Ysidro, California”
 15. MPH Thesis, Naomi Walski (2018). “Possible influences of pollution from Tijuana on PM_{2.5} in the border city of San Ysidro using hourly data from a pollution monitor at the US-MX port of entry.”
 16. MPH Thesis, Rebecca Watkins (2019). “Particulate matter (PM) and ultrafine particle (UFP) measured on pedestrian walkways during and after the nearby use of leaf blowers”
 17. MPH Thesis, Kim Impreso (2019). “Within-day variation in particulate matter (PM_{2.5}) concentrations in the cities of El Cajon and Escondido, CA”
 18. MPH Thesis, Liliana Jaime (2020). “Spatial distribution and patterns of fine particulate matter (PM_{2.5}) close to the ports of entry in the San Diego-Tijuana area.”
 19. MPH Thesis, Beverly Caceres (2020). “Fine particulate matter (PM_{2.5}) air pollution in Tijuana measured by low-cost community air sensors at sensitive receptor sites”

Membership in Theses as Third Member

1. MS Thesis in Biology, Sonya Epel Levy (2007). “Interference with the Src Homology Domains of ITK as a Means of ITK Inhibition”
2. MS Thesis in Environmental Engineering, Jonathan P. Kocher (2009). “Investigation of Surfactant Modified Activated Carbon for Recycled Water”
3. MS Thesis in Environmental Engineering, Shinsyn A. Matsumoto (2009). “Ozonation and Ozone/Hydrogen Peroxide Treatment of Bisphenol A.”
4. MS Thesis in Computer Science, Sunee Waleetorncheepsawat (2010). “The study of development of web applications and native applications on iPhone”
5. MS Thesis in Environmental Engineering, Lacy Skidmore (2011). “The Influence of Ethanol on the Adsorption Capacity and Desorption Rate of BTEX Compounds to Soil”
6. MS Thesis in Environmental Engineering, Carissa Lee Williams (2012). “Methane Production from Anaerobic Co-digestion of Chlorella Vulgaris and Wastewater Sludge”
7. MS Thesis in Geography (2021 in progress). Michael Orialla

Mentored Students’ Awards and Honors

- Elizabeth Joseph Abba (2009). Fulbright Scholar
- Jacqueline Devera (2012). Best Presentation at the SDSU Student Research Symposium
- Jacqueline Devera (2012). Hanlon Award
- Abigail Crotz (2013). Research Scholarship
- Jessica Antonel (2013). Fulbright Scholarship
- Kathryn Paras (2014). Best Scoring Research at the SDSU Student Research Symposium

- Kiet Tuan Nguyen (2014). Hanlon Award
- Ally Lu (2014). HCOP Scholarship
- Kathryn Paras, Ally Lu, and Dustin White (2015). Best oral presentation at the SDSU Student Research Symposium.
- Ally Lu (2016). GSPH Outstanding Student Award at the SDSU Student Research Symposium
- Victoria Lawless and Christiana Yip (2018). SDSU University Sustainability Award at the SDSU Student Research Symposium
- Josefina Villavicencio and Alexandra Benitez (2019). The Association for the Advancement of Sustainability in Higher Education (AASHE) Sustainability Award Finalist

Dozen other students have received Scholarships or Fellowships for Ph.D. studies in prestigious universities, such as Yale University, New York University, University of California at Berkeley, University of California at Los Angeles.

VI. ACADEMIC COURSES TAUGHT

Summary

- Online and Onsite teaching expertise in graduate and undergraduate courses in Occupational & Environmental Health, Climate Change & Health, Air Quality, Air Sampling Techniques
- Excellent student quantitative and written evaluations of teaching (can be provided upon request)
- Capable of teaching large classes (100+ students per course)
- Teaching methods and teaching materials provide ample stimulation for all types of learners: visual, auditory, and kinesthetic.

At San Diego State University (Graduate and Undergraduate Courses):

- Graduate Course: PH632: Air Quality (class size: 12-20 students)
- Graduate Course: PH798: Special Studies in Air Pollution Instrumentation
- Graduate Course: PH604: Environmental Determinants of Health (class size: 25-80 students)
- Graduate Course: PH700D: Graduate Seminar: Global Warming (class size: 6 to 15 students)
- Graduate Course: PH650R/PH750D: Graduate Practical Training
- Graduate Course: PH797: Independent Research
- Graduate Course: PH799: Master's Dissertation
- Undergraduate Course: PH304: Environment and Public Health (class size: 60-170 students)
- Undergraduate Course: PH496: Special Topics: Climate Change and Health (class size: 40-50)
- Undergraduate Course: PH452: Health Impacts from Climate Change (class size: 39-54 students)
- Study Abroad Program: PH499 and GEN S 450 (class size: 12-17 students)
- Undergraduate Course: PH499: Undergraduate Research

At National University

- Graduate Course: COH608: Public Health and the Environment
- Graduate Course: COH601: Global Health
- Undergraduate Course: COH400: Environmental Health
- Undergraduate Course: HCA450: Global Health Systems:

At University of California, Berkeley

- Graduate Course: PH298: Air Pollution Sampling Techniques
- Graduate Course: PH299: Independent Studies



**APPLICATION FOR SERVING AS A PUBLIC MEMBER ON THE SAN
DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT GOVERNING
BOARD**

INSTRUCTIONS: Please complete this form in its entirety. Note the additional requirements listed on the third page.

Submit the completed application and your resume to the Clerk of the Air Pollution Control District Governing Board at APCDPublicComment@sdcounty.ca.gov or, you may send your application to 10124 Old Grove Road, San Diego, CA 92131. **Applications are due no later than March 23, 2021.**

Ferguson

Last Name

Paul

First Name

The APCD Governing Board meets at times mutually satisfactory to the members. Day meetings are more common than evening meetings. Will you be able to schedule your time accordingly?

☒ Yes

☐ No

Have you ever been affiliated with an entity that is regulated by the Air Pollution Control District?

☐ Yes

☒ No

If yes, please list them here:

What required area of expertise are you seeking to represent on the APCD Governing Board?

☐ Physician/Public Health Professional

☐ Environmental Justice Interests

☒ Science/Technology Background in Air Pollution

***Candidates are required to submit evidence of their qualifications by including a resume with this application and may be asked to provide additional information, as needed.**

Please summarize your experience that demonstrates your interest and proven ability in the field of air pollution control and your understanding of the needs of the general public in connection with the air pollution problems of San Diego County.

During my 35 years at the UCSD School of Medicine I have been involved with the study of effects of inhaled chemicals (including fire smoke) and inhaled allergens of all types. I sat for and successfully passed the National Industrial Hygiene Cert.#6886 American Board of Industrial Hygiene (CIH). I coauthored several papers on airborne environmental effects on patients lungs. I believe my experience with studies on the effects of inhaled particles would be useful to the APCD committee. I have attached my CV as a reference.

STATEMENT OF OCCUPATIONAL EXPERIENCE

Self employed consultant to numerous biotech companies and the Orange County Dental association.

Current Employer

Environmental, Occupational Health and Safety Specialist

Job Title

2000 to present

Dates of Employment

Previous Employers

UCSD SOM Dept of Medicine

UCSD School of Med Deans Office

UCSD SOM Pulmonary Div.

Position Title

Clinical Trials Manager

Safety Officer

Staff Research Associate

Dates of Employment

2006 to 2015

1992 to 2006

1979 to 1992

List past county appointments with dates served, and other past or present community or public service appointments.

Committee/Organization Name

UCSD Chemical Safety Committee

Western IRB Biosafety Safety Committee

UCSD Radiation Safety Committee

UCSD Biosafety Committee

Dates Served

1995 to 2005

2000 to 2015

2000 to 2005

1995 to 2005

Membership qualifications for the APCD Governing Board are as follows:

Qualifications. All public members shall reside within the boundaries of San Diego County and shall be appointed on the basis of their demonstrated interest and proven ability in the field of air pollution control and their understanding of the needs of the general public in connection with the air pollution problems of the San Diego County. Specific qualifications for each of the three (3) public Board members, as established by Health & Safety Code section 40100.6(a)(4)(A)–(C), are as follows:

1. One public member shall be a **physician or public health professional** actively practicing within the boundaries of the San Diego County. The member's specialty shall be in the health effects of air pollution on vulnerable populations.
2. One public member shall be a **person representing environmental justice interests** and who works directly with communities within the boundaries of the San Diego County that are most significantly burdened by, and vulnerable to, high levels of pollution, including communities with diverse racial and ethnic populations and communities with low-income populations. This member may be a resident of that community and have a demonstrated record of community leadership.
3. One public member shall be a **person with a scientific or technical background in air pollution**, such as an environmental engineer, chemist, meteorologist, or air pollution specialist.

NOTE: Public members will be appointed by the San Diego County Air Pollution Control District Governing Board. Each public member will serve a four-year term and is entitled to receive compensation for participation on the Governing Board. Please review [Assembly Bill 423 \(AB 423\) SEC. 6. Section 40100.6](#) for details.

Please note that this application is a public record subject to disclosure. This application will be maintained for a period of one year.

By signing below, I declare that the information provided above is accurate and complete to the best of my knowledge.

Paul R Ferguson MS,RCP

Applicant's Name



Applicant's Signature




3/1/2021

Date

CONTACT INFORMATION

Ferguson <i>Last Name</i>	Paul <i>First Name</i>
-------------------------------------	----------------------------------

Note: Personal information may be withheld from public view as allowed by law.

 <i>Home Street Address</i>	La Mesa <i>City</i>	CA <i>State</i>	91942 <i>Zip</i>
 <i>Mailing Address (if different than home address)</i>	 <i>City</i>	 <i>State</i>	 <i>Zip</i>
 <i>Business Street Address</i>	 <i>City</i>	 <i>State</i>	 <i>Zip</i>
 <i>Home Phone #</i>	 <i>Business Phone #</i>		
 <i>Mobile Phone #</i>			
  <i>E-Mail Address</i>			

Paul Robert Ferguson

SUMMARY OF QUALIFICATIONS

- 30 years' experience in Environmental and Employee Safety in the University and private sector.
- Experience in laboratory and cleanroom equipment layout and ventilation design at the University and private sector.
- Expertise in allergy and pulmonary medicine and clinical medical research equipment and Facilities design and setup.
- Assisted with and or wrote protocols, Protocol/Study Procedures Manuals, built clinic infrastructure with the goal of FDA compliance.
- Represented the UCSD School of Medicine contesting OSHA Violations.
- Represent local Biotech with County Hazardous Material Group, DTSC, Cal OHSA and Health Physics Department.
- 12 years as Executive Director of the Airway Research and Clinical Trials.
- Excellent written, verbal and interpersonal communication skills Comfortable speaking with RNs, MDs, study coordinators and clinic directors.
- Conducted environmental hazard assessment for the Occupation Health Department at UCSD.

PROFESSIONAL EXPERIENCE

2020- Present Clinical Respiratory Therapist, State of California Disaster Healthcare Volunteers (CAL-MAT)

- Mobil COVID Hospital deployment in support of hospitals in the Central Valley California August 2020

2000-Present Owner of ORIS Health & Safety Consulting to Medical Centers and Biotech in San Diego County

- Maintain compliance with Federal, State, and local health and safety regulations.
- Managed Programs and conduct employee safety training for radiation, chemical and biohazard.
- Assist with laboratory design, Equipment layout (biosafety Cabinets, etc.), including lab ventilation.
- Assist with Cleanroom design and Qualification.
- Served on the Western IRB Biosafety Safety Committee 2000-2015

2006-2015 Executive Director, Airway Research Center, UCSD Medical Center & Dept Safety Officer, Chair of Medicine Office,

- Directly managed 7 SRAs in scheduling projects as well as directing projects that have led to over 40 published papers and Coauthor on 9.

2006 – 2015

Department of Medicine Safety Officer, Office of the Chair of Medicine

Oversee ongoing EH&S compliance of over 100 laboratories.

1992-2006 EH&S Officer, Office of the Dean, School of Medicine University of California San Diego

- Obtained Certified Industrial Hygienist Cert.#6886 American Board of Industrial Hygiene (Expired)

- Responsible for safe handling of chemical, radioactive isotopes and managed inhouse biohazardous material decontamination. Assure employee safety in more than 700 laboratories. Served on the following committees;

1995-2005 UCSD Biosafety Committee 1995-2005, UCSD Chemical Safety Committee 2000-2005, UCSD Radiation Safety Committee

Awards Received Campbell Institute Research Poster Award, Annual Meeting National Safety Council, , Workplace of Distinction for Maintaining a Safe Workplace at the School of Medicine UCSD Environmental Health and Safety Division, Business Affairs Customer Heroics Award, awarded by Vice Chancellor UCSD for the Elliott Field Station Hantavirus decontamination.

1989-1992 Executive Director, Clinical Trials Center, UCSD Medical Center.

Co-founded the Clinical Trials Center, UCSD Medical Center Hillcrest.

1979-1992 Staff Research Associate, Pulmonary/Allergy Immunology Division UCSD Medical Center

Certificates; Licensed Respiratory Care Practitioner State of California (RCP 9210) (Current)

EDUCATION

National University Masters of Science Safety and Engineering Technology 1992

National University Bachelors of Arts Emphasis in Hospital Administration 1982

Grossmont College Associate Science Degree Cardiopulmonary/Biomedical Technology 1979

USN Medical Corps and Field Medicine School 1976

POST GRADUATE TRAINING

OSHA 40 Hour Health and Safety Training for Hazardous Waste Workers. Cuyamaca College
Safety in Biotechnology UCSD Extension 40hr.

HEPA Filtration and Certification. 40hr Harvard Graduate School of Public Health.

AIHA San Diego Local Section Ann. Tech Symposium Indoor Air Quality Fungi Health Symposium 8hr
Meaningful Microbial IAQ Investigation. 24hr IAQC

Microbiological Contamination Workshop 8hr, Forensic Analytical Inc.

Viral Vectors and Biosafety Considerations 24hr, UC Berkeley

Aerobiology Workshop 40hr, Western Oregon State College

Laboratory Operations: Complying with OSHA and EPA Regulations 24 hr, UCSD Extension

OSHA 40 Hour Health and Safety Training for Hazardous Waste Workers. UCSD Extension

H. Burge PhD Aerobiology Course 16hr, AAAI

PUBLICATIONS & POSTER PRESENTATIONS:

1. Hantavirus Decontamination of Paper Records at UCSD Elliott Field Station. Paul Ferguson and Irving Jacoby. Poster Session, Annual Meeting National Safety Council, August 2008
2. Co-Exposure to Environmental Tobacco Smoke Increases Levels of Allergen Induced Airway Remodeling in Mice. Myung Gu Min^{1*}, Dae Jae Song^{1*}, Marina Miller¹, Jae Youn Cho¹, Shauna McElwain¹, Paul Ferguson¹, and David H Broide¹. 2007 Apr 15;178(8):5321-8
3. Ferguson P: Levels of Airborne Mold Spores During Cold Room Cleaning. Poster Presentation Annual Meeting of the American Biological Safety Association 2001
4. Ramsdell, J.W., Henderson, S., Renvall, M. J., Salmon, D.P., and Ferguson P.R.: Effects of theophylline and ipratropium on cognition in elderly patients with chronic obstructive pulmonary disease. *Ann Aller Asth Immu* 76: 335-340, 1996
5. Ferguson, P., Broide D.: Environmental and Bronchialveolar Lavage Dermatophagoides pteronyssinus Antigen Levels In Atopic Asthmatics. *Am J Respir Crit Care Med* Vol. 151. pp 71-74, 1995.
6. Ferguson P: Effects of Dust Mite Concentrations on Indoor Air Quality in the Workplace. Poster Presentation 1992 Annual Meeting of the American Academy of Allergy and Immunology. 1992
7. Broide, D., Eisman, S., Ferguson, P.R., Ramsdell, J.W., Schwartz, L., and Wasserman, S.: Airway Levels of Mast Cell derived Mediators in Exercise induced Asthma. *Am Rev Respir Dis* 141:563-568, 1990.
8. Levinson, R.M., Ramsdell, J.W., Ferguson, P: Oral Theophylline in Hospitalized Patients with Asthma. *Clin Res* 34:36a, 1986.
9. Burns, D., Ramsdell, J.W., Johnson, F.W., Ferguson, P.R. : Does Inspiratory Volume Limitation Precede the End of Inspiration When End Expiratory Volume is Increased? *Am Rev Respir Dis* 131:A321, 1985.
10. Alberts, W.M., Ferguson, P., Ramsdell, J.W.: Preparation and Handling of Methacholine Chloride Testing Solution: Effect of the Hygroscopic Properties of Methacholine. *Am Rev Respir Dis* 127:350-351, 1983.



**APPLICATION FOR SERVING AS A PUBLIC MEMBER ON THE SAN
DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT GOVERNING
BOARD**

INSTRUCTIONS: Please complete this form in its entirety. Note the additional requirements listed on the third page.

Submit the completed application and your resume to the Clerk of the Air Pollution Control District Governing Board at APCDPublicComment@sdcounty.ca.gov or, you may send your application to 10124 Old Grove Road, San Diego, CA 92131. **Applications are due no later than March 23, 2021.**

Last Name

First Name

The APCD Governing Board meets at times mutually satisfactory to the members. Day meetings are more common than evening meetings. Will you be able to schedule your time accordingly?

☐ Yes

☐ No

Have you ever been affiliated with an entity that is regulated by the Air Pollution Control District?

☐ Yes

☐ No

If yes, please list them here:

What required area of expertise are you seeking to represent on the APCD Governing Board?

- ☐ Physician/Public Health Professional
- ☐ Environmental Justice Interests
- ☐ Science/Technology Background in Air Pollution

****Candidates are required to submit evidence of their qualifications by including a resume with this application and may be asked to provide additional information, as needed.***

Please summarize your experience that demonstrates your interest and proven ability in the field of air pollution control and your understanding of the needs of the general public in connection with the air pollution problems of San Diego County.

STATEMENT OF OCCUPATIONAL EXPERIENCE

Current Employer

Job Title

Dates of Employment

Previous Employers

Position Title

Dates of Employment

List past county appointments with dates served, and other past or present community or public service appointments.

Committee/Organization Name

Dates Served

Membership qualifications for the APCD Governing Board are as follows:

Qualifications. All public members shall reside within the boundaries of San Diego County and shall be appointed on the basis of their demonstrated interest and proven ability in the field of air pollution control and their understanding of the needs of the general public in connection with the air pollution problems of the San Diego County. Specific qualifications for each of the three (3) public Board members, as established by Health & Safety Code section 40100.6(a)(4)(A)–(C), are as follows:

1. One public member shall be a ***physician or public health professional*** actively practicing within the boundaries of the San Diego County. The member's specialty shall be in the health effects of air pollution on vulnerable populations.
2. One public member shall be a ***person representing environmental justice interests*** and who works directly with communities within the boundaries of the San Diego County that are most significantly burdened by, and vulnerable to, high levels of pollution, including communities with diverse racial and ethnic populations and communities with low-income populations. This member may be a resident of that community and have a demonstrated record of community leadership.
3. One public member shall be a ***person with a scientific or technical background in air pollution***, such as an environmental engineer, chemist, meteorologist, or air pollution specialist.

NOTE: Public members will be appointed by the San Diego County Air Pollution Control District Governing Board. Each public member will serve a four-year term and is entitled to receive compensation for participation on the Governing Board. Please review [Assembly Bill 423 \(AB 423\) SEC. 6. Section 40100.6](#) for details.

Please note that this application is a public record subject to disclosure. This application will be maintained for a period of one year.

By signing below, I declare that the information provided above is accurate and complete to the best of my knowledge.

Applicant's Name



Applicant's Signature

Date

CONTACT INFORMATION

<div></div> <div>Last Name</div>	<div></div> <div>First Name</div>
----------------------------------	-----------------------------------

Note: Personal information may be withheld from public view as allowed by law.

<div></div> <div>Home Street Address</div>	<div></div> <div>City</div>	<div></div> <div>State</div>	<div></div> <div>Zip</div>
<div></div> <div>Mailing Address (if different than home address)</div>	<div></div> <div>City</div>	<div></div> <div>State</div>	<div></div> <div>Zip</div>
<div></div> <div>Business Street Address</div>	<div></div> <div>City</div>	<div></div> <div>State</div>	<div></div> <div>Zip</div>
<div></div> <div>Home Phone #</div>	<div></div> <div>Business Phone #</div>		
<div></div> <div>Mobile Phone #</div>	<div></div>		
<div></div> <div>E-Mail Address</div>			

RESUME OF ENRIQUE MEDINA, MS, CIH, CSP, FAIHA

Enrique Medina is an environmental and occupational health and safety professional with over 30 years of practice in the areas of environmental and occupational health, risk assessment, process safety management, and environmental compliance for industrial, commercial, governmental, and service organizations encompassing the automotive, biofuels, chemical, construction, energy, healthcare, manufacturing, mining, military, oil and gas, pharmaceutical, real estate, retail, and shipyard industry sectors. He has worked on projects in the United States, Canada, Mexico, Central America, the Caribbean, Southeast Asia, and Africa.

Mr. Medina is a California Air Resources Board accredited Lead Verifier for Greenhouse Gas emissions reports, a board Certified Industrial Hygienist in comprehensive practice, and a Certified Safety Professional. He is a Fellow of the American Industrial Hygiene Association, and a member of the American Conference of Governmental Industrial Hygienists, and the American Society of Safety Professionals. He is President of Alliance Consulting International in San Diego, California.

EDUCATION

San Diego State University: MS Biology. 1976

San Diego State University: BS Biology. 1973

PROFESSIONAL CERTIFICATIONS

Lead Verifier for Greenhouse Gas Emission Reports: California Air Resources Board, No. H-18-099.

Certified Industrial Hygienist: American Board of Industrial Hygiene, No. 6952.

Certified Safety Professional: Board of Certified Safety Professionals, No. 24023.

DOT Hazardous Materials Instructor: Sustainable Workplace Alliance.

Hazardous Materials Management: Professional Certificate, University of California San Diego.

REPRESENTATIVE EXPERIENCE

The following section presents examples of Mr. Medina's professional expertise in air pollution, health risk assessments, risk management, greenhouse gas (GHG) emissions, energy projects, and community air monitoring.

Air Pollution Permitting Projects

- Preparation of Permits to Construct/Operate, Modifications, and Change of Conditions for process equipment and pollution control devices, including pulse jet baghouses, cyclone separators, dust collectors, carbon adsorbers, and regenerative thermal oxidizers before the Southern California Air Quality Management District pursuant as part of an expansion of a cement, grout, and adhesives manufacturing facility in Riverside County.

- Rule 11 Certificate of Exemption for a solvent-based cleaning process for a medical and industrial device manufacturer for submittal to San Diego Air Pollution Control District. The project involved a regulatory review of applicable environmental and health and safety regulations and permit requirements for the solvent cleaning system, preparation of a request for permit exemption consistent with APCD rules, and technical assistance in the design of a local exhaust ventilation system for the process.
- Permitting for a new air emission source at a metal tubing manufacturing facility in San Diego County before the San Diego Air Pollution Control District. The project involved successful preparation of a Certificate of Exemption for the new process.
- Source testing of cyclone dust collector for total suspended particulate matter at an automotive metal wheel polishing facility in Mexicali, B.C. Mexico as part of an environmental impact operating license application for air emissions to comply with air emissions limits.
- Paint spray booth stack testing for emissions of volatile organic compounds at a furniture manufacturing facility in Tijuana, B.C., Mexico as part of an environmental compliance audit.

Health Risk Assessment and Risk Management Projects

- Health Risk Assessment (HRA) pursuant to California's AB2588 "Toxics Hot Spots" regulations for a San Diego coatings manufacturing company. The HRA used the facility's approved Emissions Inventory to determine through risk calculations and air dispersion modeling, the cancer and non-cancer risk levels surrounding the facility and the applicability of the public notification requirements of the San Diego Air Pollution Control District's Rule 1210.
- Development of Risk Management Plans (RMP) at three energy cogeneration facilities as per Clean Air Act section 112(r) triggered by the use of anhydrous ammonia for air pollution control. Coordinated a multi-disciplinary team including process engineering and seismic evaluation, off-site consequence modeling, process safety management and regulatory compliance with EPA and California's Accidental Release Prevention Program (Cal/ARP).
- Technical advisor to the Carlsbad, California Fire Marshall in oversight of permitting of aqueous ammonia storage and dispensing system as part of a Selective Catalytic Reduction air pollution control system at the Encina power generating facility, including the Risk Management Plans pursuant to the California Accidental Release Prevention program regulations.
- Five-year review and audit of the California Accidental Release Prevention Program at a wastewater treatment plant in a Southern California city, which uses ammonia. Reviewed and updated the facility's RMP for approval by the local Fire Department.
- Risk assessment for installation of an 80,000 gallon capacity liquefied petroleum gas (LPG) storage and dispensing facility at an industrial site in Tijuana, Baja California, Mexico. Developed several failure scenarios, and consequence modeling, and worked with the facility, and LPG supplier to verify that the design and operation of the facility

complied with Mexican regulatory requirements, and process safety management guidelines to obtain regulatory approval.

- Health Risk Assessment and Remedial Action Alternatives for an abandoned lead contaminated site in Tijuana, Baja California for a community-based, non-profit environmental organization. The project involved development of remedial action alternatives for the site based on results of health risk assessment using the California Department of Toxic Substances Control's Lead Risk Assessment tool, as well as Mexican and U.S. remediation standards.

Greenhouse Gas Emissions Projects

- CARB-accredited Lead Verifier in 36 completed verifications of greenhouse gas emissions reports pursuant to California's Mandatory Reporting of Greenhouse Gas Emissions regulation for geothermal, general combustion, cogeneration, electricity transactions, and generation sources in aerospace, food processing, industrial, manufacturing, military, and energy facilities.
- GHG Consultant responsible for preparing the annual GHG Inventory Program, and emissions data report for The Federal Electrical Commission of Mexico (CFE) during the verification process as a large importer of electricity to California generated from multiple facilities operating in fossil and renewable sources in Mexico.

Energy Related Projects

- Regulatory permitting and site assessment for a 500MW power generating facility in Mexicali, Baja California, Mexico permitted to import electricity into the California grid. Developed a comprehensive regulatory permitting matrix of energy, environmental and zoning requirements, and participated in preparation and review of the Environmental Impact Manifest and Risk Assessment to meet federal, state, and local agency requirements.
- Feasibility study to evaluate the requirements necessary to introduce cross border emissions credit trading between the states of California and Baja California for the California Energy Commission. The project team reviewed the regulatory framework of air pollution laws and regulations, and the structure of federal and state oversight agencies on both sides of the border, and presented the opportunities and constraints in developing cross border emission trading strategies and programs.
- Regulatory compliance review of four California energy-generating facilities in San Diego and Ventura Counties. Conducted a review of facility permits, and identified federal, state, and county requirements for each facility.
- Regulatory compliance assessment of two single-cycle gas turbine "peaker" power-generating facilities in San Diego and Riverside Counties at the start of plant operations to determine compliance with California Energy Commission permit conditions.
- Permitting of an energy cogeneration facility at a chemical plant in Tamaulipas, Mexico. Preparing and submitting all environmental permit applications, including environmental

impacts, risk assessment, air emissions, and permits to operate for a U.S. energy technology company contracted to provide electricity, steam, and chilled water to the host chemical plant.

- Site-specific Health and Safety Plans for electrical transmission line installation project near landfills and abandoned oil wells in Los Angeles County for the Tehachapi Renewable Transmission Project, in compliance with South Coast Air Quality Management District's Rule 1166. The scope involved preparing plans for approval by Southern California Edison, and California Public Utilities Commission, conducting air monitoring, and training employee on field monitoring instrumentation and procedures.

Community Air Monitoring Projects

- Community Health and Safety Plan and perimeter air monitoring station during remediation of a 22-acre lead and hydrocarbon contaminated site in Los Angeles, California to address potential off-site health and safety impacts to the adjacent residential community. Technical oversight activities of the two-year project included establishing monitoring locations, reviewing perimeter air monitoring reports, preparing weekly reports for the Housing Authority of LA County, the contractor, the California Department of Toxic Substances Control, and the Southern California Air Quality Management District, attending community meetings, and preparing the final report for HACLA, and DTSC approval.
- Community air monitoring for organochlorine pesticides in dust during excavation and grading of a community park in Encinitas, California in a former agricultural property. The two-month project involved daily air monitoring at perimeter stations to verify compliance with regional screening levels for residential environmental exposure, and reporting results to the San Diego County Department of Environmental Health.

SELECTED PUBLICATIONS

“Technical Guide for Wildfire Impact Assessments for the OEHS Professional”. Editor and author. American Industrial Hygiene Association. 2018.

Medina, Enrique. After the Fire: Assessing the Potential Health Risks of Wildfire Residues in the Indoor Environment. The Synergist, August 2016. AIHA.

Medina, Enrique. “The Three Ps: Working Safely with Methanol in Biological Nutrient Removal Systems”. Water Environment and Technology. Vol 27(4):48-52. April 2015.

Medina, Enrique. “Methanol Hazards and Safeguards: Lessons Learned from the Global Supply Chain”. Professional Safety, Journal of the American Society of Safety Engineers. Vol 59(6): 66-74. June 2014.

“Methanol Safe Handling Manual” by Enrique Medina, Robert Roberts, and Patty Beach. The Methanol Institute. 2008, Revised Edition, 2011.

Zubieta, Ingrid., Brown, G., Cohen, R., and Medina E. "Cananea Copper Mine: An International Effort to Improve Hazardous Working Conditions in Mexico". International Journal of Occupational and Environmental Health: 2009; 15(1): 14-20.

Medina, E., 2007. "Vapor Intrusion: Environmental and IAQ Challenge". The Synergist, February & April 2007. AIHA.

Medina, E. J., 1996. "Overview of Pollution Issues on the Mexico-US Border", in Environmental Toxicology and Risk Assessment: Fourth Volume. Thomas W. LaPoint, Fred T. Price and Edward E. Little, Editors. American Society for Testing and Materials STP 1262.

PROFESSIONAL HISTORY

Alliance Consulting International, President & CEO. San Diego – 1998-present

Levine·Fricke de Mexico, Director of Operations. Mexico City – 1993-1998

Levine·Fricke, Senior Environmental Scientist. San Diego, CA – 1993-1998

Industrial Ecology International, Founder and Principal. San Diego, CA – 1990-1993

Consulting Health Services, Staff Industrial Hygienist. El Cajon, CA – 1990-1993

Mar-Cal Seafood, Founder and President. San Diego, CA – 1984-1990

Royal Pacific Seafood, Buyer, Sales Manager. San Diego, CA – 1982-1984

Natural Systems, Technical Manager. Palmetto, FL – 1981-1982

Food and Nutrition Services, Administrator. Santa Cruz, CA – 1977-1980

PROFESSIONAL AND COMMUNITY INVOLVEMENT

Mr. Medina has long been active in environmental health and safety professional organizations. He is a member and past chair of the Environmental Issues Committee of the American Industrial Hygiene Association (AIHA), editor, and author of AIHA's *Technical Guide for Wildfire Impact Assessments for the OEHS Professional*, and past president of AIHA's San Diego Section. He is also past president of the San Diego Chapter of the American Society of Safety Professionals. Mr. Medina serves as a voting member of the Institute of Inspection Cleaning and Restoration Certification's Consensus Body of Standard S760 for Professional Restoration of Structures and Items Damaged by Wildfire Smoke.

Mr. Medina has been involved with non-governmental organizations (NGOs) on issues of food, nutrition, health care and bi-national environmental policy over the past four decades. He worked with migrant farm worker families in Central California in the areas of food outreach, nutrition education and health care, and helped start *Salud Para La Gente*, a migrant farm worker health clinic in Watsonville. Mr. Medina headed a project to bring aquaculture technology to poor rural communities in Mexico. He is a co-founder of *Proyecto Fronterizo de Educación Ambiental*, a Tijuana-based NGO focusing on community environmental education and advocacy. He also worked with environmental NGOs in

developing Mexico's Environmental "Right-to-Know" program. He currently serves on the board of directors of the Environmental Health Coalition, an environmental justice organization in the San Diego-Tijuana region, and is president of the advisory council of Colectivo Salud y Justicia Ambiental, an environmental, and social justice non-profit organization in Tijuana, Baja California. Mr. Medina has been a volunteer with the San Diego Natural History Museum Canyoneers for 25 years, leading interpretative nature hikes for the public to promote stewardship and conservation of the region's unique natural resources.

AWARDS AND RECOGNITIONS

- 2020 Safety Professional of the Year. San Diego Chapter of the American Society of Safety Professionals.
- 2020 Rachel Carson Award. American Industrial Hygiene Association.
- 2017 Social Responsibility Award. American Industrial Hygiene Association.
- 2017 Sam Cahan President's Award. San Diego Chapter of the American Society of Safety Engineers.
- 2017 Volunteer Group Service Award. American Industrial Hygiene Association
- 2016 Environmental Justice Champion Award. Environmental Health Coalition
- 2015 Speaker of the Year Award. San Diego Chapter of the American Society of Safety Engineers
- 2015 Volunteer Group Service Award. American Industrial Hygiene Association
- 2013 Fellow of the American Industrial Hygiene Association
- 2009 Leadership Award. AIHA Environmental Issues Committee
- 2008 Outstanding Volunteer Group AIHA Environmental Issues Committee

CONTACT INFORMATION

Enrique Medina, MS, CIH, CSP, FAIHA

President/CEO

Alliance Consulting International

[REDACTED]

San Diego, California 92104

Telephone: [REDACTED]

Mobile: [REDACTED]

email: [REDACTED]

web site: [REDACTED]



**APPLICATION FOR SERVING AS A PUBLIC MEMBER ON THE SAN
DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT GOVERNING
BOARD**

INSTRUCTIONS: Please complete this form in its entirety. Note the additional requirements listed on the third page.

Submit the completed application and your resume to the Clerk of the Air Pollution Control District Governing Board at APCDPublicComment@sdcounty.ca.gov or, you may send your application to 10124 Old Grove Road, San Diego, CA 92131. **Applications are due no later than March 23, 2021.**

Olds

Last Name

Andrew

First Name

The APCD Governing Board meets at times mutually satisfactory to the members. Day meetings are more common than evening meetings. Will you be able to schedule your time accordingly?

☒ Yes

☐ No

Have you ever been affiliated with an entity that is regulated by the Air Pollution Control District?

☐ Yes

☒ No

If yes, please list them here:

What required area of expertise are you seeking to represent on the APCD Governing Board?

☐ Physician/Public Health Professional

☐ Environmental Justice Interests

☒ Science/Technology Background in Air Pollution

***Candidates are required to submit evidence of their qualifications by including a resume with this application and may be asked to provide additional information, as needed.**

Please summarize your experience that demonstrates your interest and proven ability in the field of air pollution control and your understanding of the needs of the general public in connection with the air pollution problems of San Diego County.

I have worked for sixteen years for an air pollution control company, first as a project manager, and now as an engineering manager. I have a BS in Chemical Engineering, and I've designed, built, started up, and serviced over 50 air pollution control units across a broad range of industries, including laboratories, hospitals, refineries, and manufacturing. Equipment I have designed, worked on, or serviced has lowered NOx, SOx, PM10, PM2.5, ozone, and HAPs. I am eager to assist the San Diego County general public in reducing emissions by providing my technical expertise on the best available technologies for reducing emissions. I believe I am very well qualified for the science/technology background and I am eager to work with the rest of the Board in improving the air quality in San Diego county.

STATEMENT OF OCCUPATIONAL EXPERIENCE

Trade-Trac DBA Envitech, Inc.	
<i>Current Employer</i>	
Engineering Manager	6/2006-Present
<i>Job Title</i>	<i>Dates of Employment</i>

<i>Previous Employers</i>	<i>Position Title</i>	<i>Dates of Employment</i>
GEA Power Cooling	Project Engineer/Project Manager	2004-2006
Ionics, Inc. (Now GE Water)	Applications Engineer	2002-2004
Microbar, Incorporated	Applications Engineer	2000-2002

List past county appointments with dates served, and other past or present community or public service appointments.

<i>Committee/Organization Name</i>	<i>Dates Served</i>

Membership qualifications for the APCD Governing Board are as follows:

Qualifications. All public members shall reside within the boundaries of San Diego County and shall be appointed on the basis of their demonstrated interest and proven ability in the field of air pollution control and their understanding of the needs of the general public in connection with the air pollution problems of the San Diego County. Specific qualifications for each of the three (3) public Board members, as established by Health & Safety Code section 40100.6(a)(4)(A)–(C), are as follows:

1. One public member shall be a ***physician or public health professional*** actively practicing within the boundaries of the San Diego County. The member's specialty shall be in the health effects of air pollution on vulnerable populations.
2. One public member shall be a ***person representing environmental justice interests*** and who works directly with communities within the boundaries of the San Diego County that are most significantly burdened by, and vulnerable to, high levels of pollution, including communities with diverse racial and ethnic populations and communities with low-income populations. This member may be a resident of that community and have a demonstrated record of community leadership.
3. One public member shall be a ***person with a scientific or technical background in air pollution***, such as an environmental engineer, chemist, meteorologist, or air pollution specialist.

NOTE: Public members will be appointed by the San Diego County Air Pollution Control District Governing Board. Each public member will serve a four-year term and is entitled to receive compensation for participation on the Governing Board. Please review [Assembly Bill 423 \(AB 423\) SEC. 6. Section 40100.6](#) for details.

Please note that this application is a public record subject to disclosure. This application will be maintained for a period of one year.

By signing below, I declare that the information provided above is accurate and complete to the best of my knowledge.

Andrew Olds

Applicant's Name

Andrew Olds

Applicant's Signature

3/23/2021

Date

CONTACT INFORMATION

Olds <i>Last Name</i>	Andrew <i>First Name</i>
---------------------------------	------------------------------------

Note: Personal information may be withheld from public view as allowed by law.

[REDACTED] <i>Home Street Address</i>	San Diego <i>City</i>	CA <i>State</i>	92104 <i>Zip</i>
[REDACTED] <i>Mailing Address (if different than home address)</i>	San Diego <i>City</i>	CA <i>State</i>	92106 <i>Zip</i>
[REDACTED] <i>Business Street Address</i>	San Diego <i>City</i>	CA <i>State</i>	92106 <i>Zip</i>
[REDACTED] <i>Home Phone #</i>	[REDACTED] <i>Business Phone #</i>		
[REDACTED] <i>Mobile Phone #</i>			
[REDACTED] <i>E-Mail Address</i>			

ANDREW J. OLDS

| San Diego, CA

Environmental engineering manager with 16 years experience in the air pollution control industry. Resourceful leader, early adopter new technology and an expert on a wide range of pollution control equipment.

- ❖ **Permitting:** understands EPA regulations, testing methods, and enforcement
- ❖ **Process:** designs equipment, chooses technologies, and performs third-party evaluations
- ❖ **Execution:** delivers on-time, on-budget projects that meet regulatory objectives
- ❖ **Support:** maintains existing equipment and reviews long-term performance and reliability

HCl/HF/HBr • NOx • SOx • CO₂ capture • PM10 • PM2.5 • HAPs • Heavy Metals
Absorbers • Activated Carbon • Baghouses • Cyclones • Precipitators • Thermal Oxidizers

PROFESSIONAL EXPERIENCE

ENVITECH, INC. — *air pollution control equipment provider*

6/2006 – Present

Engineering Manager – San Diego, CA, 6/2013 – Present

\$4MM annual sales • 2-5 engineers

Leads technical business development and oversees project execution. Builds strong and long-lasting customer relationships. Seeks and develops new markets. Proud of project team that delivers on-time and under-budget.

- **Found and developed new technologies** to meet increasing regulatory restrictions. Designed a mercury removal system for municipal sludge incinerators, outperforming traditional activated carbon beds. Devised a multi-step system for the capture of sulfuric acid mists from refinery thermal oxidizers using Brown diffusion fiber beds.
- **Created tools** to establish technical superiority in market space. Brought in computational fluid dynamics to demonstrate superior designs, developed 3D models to increase understanding and acceptance and prepared metrics to improve technology adoption and differentiate from competition.
- **Improved and expanded existing products**, increasing revenue per customer. Designed skids to reduce installation costs, learned industrial automation to offer standalone PLC systems with tailored control, and established service and maintenance programs to help customers meet long-term performance requirements.
- **Led project execution team** that consistently meets on-time delivery under-budget. Established a vendor database with qualifications, created and enhanced quality program, and implemented checklists to speed up on-site installation and startup.

Project Manager – San Diego, CA, 6/2006 – 6/2013

Executed several large, successful multi-step pollution control projects. Developed strong relationships with vendors to increase reliability of equipment. Brought in outside resources and consultants to improve technical competency.

- **Managed the supply and installation** of a major wet electrostatic precipitator project at a Southern California lead battery recycler that reduced hazardous air pollutants by 90%, dramatically cutting their cancer risk index.
- **Designed, permitted and installed** an acid gas scrubber at a Southern California refinery that reduced sulfur dioxide emissions below 1ppm to exempt the facility from SO_x RECLAIM.
- **Designed and commissioned** an ammonia scrubber to curb NOx emissions, a Venturi scrubber to curtail PM10, and an acid gas scrubber to remove SOx at a biosolids facility in Southern California.
- **Designed and commissioned** an acid gas scrubber as part of a train to reduce emissions from container ships at the Port of Long Beach.

EDUCATION

Bachelor of Science, Chemical Engineering – University of Southern California

2000

- Trustee Scholar



**APPLICATION FOR SERVING AS A PUBLIC MEMBER ON THE SAN
DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT GOVERNING
BOARD**

INSTRUCTIONS: Please complete this form in its entirety. Note the additional requirements listed on the third page.

Submit the completed application and your resume to the Clerk of the Air Pollution Control District Governing Board at APCDPublicComment@sdcounty.ca.gov or, you may send your application to 10124 Old Grove Road, San Diego, CA 92131. **Applications are due no later than March 23, 2021.**

Quintana

Last Name

Penelope

First Name

The APCD Governing Board meets at times mutually satisfactory to the members. Day meetings are more common than evening meetings. Will you be able to schedule your time accordingly?

☒ Yes

☐ No

Have you ever been affiliated with an entity that is regulated by the Air Pollution Control District?

☒ Yes

☐ No

If yes, please list them here:

San Diego State University

What required area of expertise are you seeking to represent on the APCD Governing Board?

☐ Physician/Public Health Professional

☐ Environmental Justice Interests

☒ Science/Technology Background in Air Pollution

***Candidates are required to submit evidence of their qualifications by including a resume with this application and may be asked to provide additional information, as needed.**

Please summarize your experience that demonstrates your interest and proven ability in the field of air pollution control and your understanding of the needs of the general public in connection with the air pollution problems of San Diego County.

I am a tenured Professor in the School of Public Health at San Diego State University, in the Division of Environmental Health. I focus on characterizing personal exposure to environmental contaminants, especially carcinogens in diesel exhaust and in tobacco residue that are experienced by children and other vulnerable groups, and documenting exposure and health disparities within regions and communities. I have specific training and expertise in assessing environmental exposures through community-based participatory research in environmental justice communities at the US-Mexico border. I also assess indoor exposures to low-income children, who are vulnerable to environmental hazards. I also have experience recruiting and interacting with low-income participants, including infants and mothers. I was a team leader for the National Children's Study, San Diego, which gave me experience in rigorous community environmental sampling protocols and community engagement. My service on the CA Biomonitoring Scientific Guidance Panel has increased my knowledge of best practices for informing community members of monitoring results. I have been working with US-Mexico border communities since 1999 on issues of importance to community residents. I have characterized the influence of US-Mexico Port of Entry traffic, with its 24 lanes of idling vehicles, on air pollution levels (ultrafine particles and black carbon, a marker for carcinogenic diesel pollution) in the community of San Ysidro through rooftop monitoring of schools. I also have measured exposures to traffic pollutants and urinary diesel exposure markers (metabolites of the carcinogen 1-nitropyrene) in pedestrians waiting for hours in line at the San Ysidro Port of Entry. I have studied PM2.5 exposures to agricultural burning in the Imperial Valley by directly monitoring burn events. I am an investigator in a recent EPA-funded Border 2020 project to install low-cost sensors in Tijuana, MX. I am also assisting the San Ysidro, CA community through an CARB AB617 grant to Casa Familiar to maintain and expand a local-scale low-cost community air monitoring network for particulate matter and traffic-related gases. My expertise aligns well with promoting environmental justice in communities at the US-Mexico border, particularly in the area of measuring exposure to environmental toxicants suffered disproportionately by minority communities. I hope to bring my expertise in air pollution measurement and my focus on communities to this Board position and improve air quality and health for all in San Diego.

STATEMENT OF OCCUPATIONAL EXPERIENCE

San Diego State University

Current Employer

Professor of Public Health

Job Title

1995 - present

Dates of Employment

Previous Employers

Position Title

Dates of Employment

University of British Columbia

Assistant Professor

1992 - 1995

Lawrence Livermore National Lab

Research Scientist

1990 - 1991

University of California at Berkeley

Research Assistant

1985 - 1990

List past county appointments with dates served, and other past or present community or public service appointments.

Committee/Organization Name

Dates Served

Environmental Health Advisory Board, County of San Diego

2014 - 2019

Scientific Guidance Panel for State of California Environmental Contaminant Biomonitoring Program

2013 - present

Community Air Protection Program Consultation Group, California Air Resources Board

2018 - present

Membership qualifications for the APCD Governing Board are as follows:

Qualifications. All public members shall reside within the boundaries of San Diego County and shall be appointed on the basis of their demonstrated interest and proven ability in the field of air pollution control and their understanding of the needs of the general public in connection with the air pollution problems of the San Diego County. Specific qualifications for each of the three (3) public Board members, as established by Health & Safety Code section 40100.6(a)(4)(A)–(C), are as follows:

1. One public member shall be a ***physician or public health professional*** actively practicing within the boundaries of the San Diego County. The member's specialty shall be in the health effects of air pollution on vulnerable populations.
2. One public member shall be a ***person representing environmental justice interests*** and who works directly with communities within the boundaries of the San Diego County that are most significantly burdened by, and vulnerable to, high levels of pollution, including communities with diverse racial and ethnic populations and communities with low-income populations. This member may be a resident of that community and have a demonstrated record of community leadership.
3. One public member shall be a ***person with a scientific or technical background in air pollution***, such as an environmental engineer, chemist, meteorologist, or air pollution specialist.

NOTE: Public members will be appointed by the San Diego County Air Pollution Control District Governing Board. Each public member will serve a four-year term and is entitled to receive compensation for participation on the Governing Board. Please review [Assembly Bill 423 \(AB 423\) SEC. 6. Section 40100.6](#) for details.

Please note that this application is a public record subject to disclosure. This application will be maintained for a period of one year.

By signing below, I declare that the information provided above is accurate and complete to the best of my knowledge.

Penelope JE Quintana

Applicant's Name

Applicant's Signature

3/23/21

Date

CONTACT INFORMATION

Quintana

Last Name

Penelope

First Name

Note: Personal information may be withheld from public view as allowed by law.

<div>████████████████████</div> <div>Home Street Address</div>	<div>Solana Beach</div> <div>City</div>	<div>CA 92075</div> <div>State Zip</div>
<div></div> <div>Mailing Address (if different than home address)</div>	<div></div> <div>City</div>	<div></div> <div>State Zip</div>
<div>████████████████████</div> <div>Business Street Address</div>	<div>San Diego</div> <div>City</div>	<div>CA 92182</div> <div>State Zip</div>
<div></div> <div>Home Phone #</div>	<div></div> <div>Business Phone #</div>	
<div>████████████████</div> <div>Mobile Phone #</div>	<div>████████████████</div>	
<div>████████████████████</div> <div>E-Mail Address</div>		

FULL CURRICULUM VITAE

July 2020

I. NAME:

Penelope Jane Eiddwen 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			
School of Public Health	Professor	2014 - Present	Environmental Health
	<i>Graduate Advisor</i>		
	MPH/MS	2013 – Present	
	Associate Professor	2001 -2013	Environmental Health
	<i>Co-Director/ PhD</i>		
	<i>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, Berkeley, CA		
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, Berkeley, CA		
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 developed and taught at San Diego State University:

PH 638A - Principles of Toxicology (2013 –2018)

PH 784 - Global Environmental Health – (2011 -2015)

PH 750C -Field experience in Baja California – Environmental Health component, VIDAll (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, 2019)

PH 604 - Environmental Determinants of Human Health (1995 – 2019)

Lectures/Assistance in other undergraduate, graduate and doctoral classes SPH 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)

Prepared and submitted the proposed MS in Environmental Health Sciences (2016)

Thesis/ Project mentoring

PhD degrees:

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, Epidemiology. Toni Rush (2018-present). Title: Associations of maternal BMI and gestational weight gain with placental health

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

M.P.H., M.S. degrees:

Chair, theses and manuscripts (over 87 chaired since 1995) (not listed)

Second reader, M.P.H. and M.S. theses (over 62 as second member) (not listed)

Third reader, other departments MS theses (over 10 as third member) (not listed)

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

Quintana PJE, Lopez-Galvez, NI, Dodder NG, Hoh E, Matt GE, Zakarian JM, Vyas, M, Chu, L, Akins B, Padilla, S, Anderson KA, Hovell MF. (2020) Nicotine, cotinine and tobacco-specific nitrosamines (TSNAs) measured in children's silicone wristbands in relation to secondhand smoke and e-cigarette vapor exposure *Nicotine & Tobacco Research (in press)*

Duvall, RM, Hagler, GW, Clements, AL, Benedict, K, Barkjohn, K, Kilaru, V, Hanley, T, Watkins, N, Kaufman, A, Kamal, A, Reece, S, Fransioli, P, Gerboles, M, Gillerman, G, Habre, R, Hannigan, M, Ning, Z, Papapostolou, V, Pope, R, **Quintana, PJE**, Lam Snyder, J. (2020) Deliberating Performance Targets: Follow-on workshop discussing PM10, NO2, CO, and SO2 air sensor targets, *Atmospheric Environment*, 118099, ISSN 1352-2310, doi:10.1016/j.atmosenv.2020.118099.

Matt GE, **Quintana PJE**, Hoh, E, Zakarian, JM, Dodder, NG, Record, RA, Hovell, MF, Mahabee-Gittens, EM, Padilla, S, Markman, L, Watanabe, K, Novotny, TE. Persistent tobacco smoke residue in multiunit housing: Legacy of permissive indoor smoking policies and challenges in the implementation of smoking bans. *Prev Med Rep.* 2020;18:101088. Published 2020 Apr 2. doi:10.1016/j.pmedr.2020.101088

Aguilar-Dodier, C, Castillo, JE, **Quintana, PJE**, Montoya, LD, Molina, LY, Zavala, M, Almanza-Veloz, V, Rodríguez-Ventura, JG, 2020 Jan. Spatial and temporal evaluation of H2S, SO2 and NH3 concentrations near Cerro Prieto geothermal power plant in Mexico. *Atmosph Poll Res* 11, (1) 94-104

Mahabee-Gittens EM, Merianos AL, Hoh E, **Quintana PJ**, Matt GE. 2019 Nicotine on children's hands: limited protection of smoking bans and initial clinical findings. *Tobacco Use Insights.* Jan 16;12:1179173X18823493. doi: 10.1177/1179173X18823493. eCollection 2019. PubMed PMID: 30728727; PubMed Central PMCID: PMC6351963.

Tran CD, Dodder NG, **Quintana PJE**, Watanabe K, Kim JH, Hovell MF, Chambers CD, Hoh E. 2020 Organic contaminants in human breast milk identified by non-targeted analysis. *Chemosphere.* Jan;238:124677. doi: 10.1016/j.chemosphere.2019.124677. Epub 2019 Aug 26. PubMed PMID: 31524616; PubMed Central PMCID: PMC6832863.

Northrup TF, Stotts AL, Suchting R, Khan AM, Green C, **Quintana PJE**, Hoh E, Hovell MF, Matt GE. Medical staff contributions to thirdhand smoke contamination in a neonatal intensive care unit. *Tob Induc Dis.* 2019 Apr 24;17:37. doi: 0.18332/tid/106116. eCollection 2019. PubMed PMID: 31516480; PubMed Central PMCID: PMC6662774.

Matt GE, Mahabee-Gittens EM, Zakarian JM, **Quintana PJE**, Hoh E, Myers M. 2019 Nicotine in thirdhand smoke residue predicts relapse from smoking cessation: A pilot study. *Addict Behav.* Nov;98:106041.

doi: 10.1016/j.addbeh.2019.106041. Epub 2019 Jul 2. PubMed PMID: 31330468; PubMed Central PMCID: PMC6745712.

Mahabee-Gittens EM, Matt GE, Hoh E, **Quintana PJE**, Stone L, Geraci MA, Wullenweber CA, Koutsounadis GN, Ruwe AG, Meyers GT, Zakrajsek MA, Witry JK, Merianos AL. 2019 Contribution of thirdhand smoke to overall tobacco smoke exposure in pediatric patients: study protocol. *BMC Public Health*. May 2;19(1):491. doi: 10.1186/s12889-019-6829-7. PubMed PMID: 31046729; PubMed Central PMCID: PMC6498613.

Hovell MF, Bellettiere J, Liles S, Nguyen B, Berardi V, Johnson C, Matt GE, Malone J, Boman-Davis MC, **Quintana PJE**, Obayashi S, Chatfield D, Robinson R, Blumberg EJ, Ongkeko WM, Klepeis NE, Hughes SC; Fresh Air Research Group. 2019 Randomised controlled trial of real-time feedback and brief coaching to reduce indoor smoking. *Tob Control*. Feb 15. pii: tobaccocontrol-2018-054717. doi: 10.1136/tobaccocontrol-2018-054717. [Epub ahead of print] PubMed PMID: 30770436; PubMed Central PMCID: PMC6697236.

Mahabee-Gittens EM, Merianos AL, Hoh E, **Quintana PJ**, Matt GE. 2019 Nicotine on Children's Hands: Limited Protection of Smoking Bans and Initial Clinical Findings. *Tob Use Insights*. Jan 16;12:1179173X18823493. doi: 10.1177/1179173X18823493. eCollection 2019. PubMed PMID: 30728727; PubMed Central PMCID: PMC6351963.

Quintana PJE, Hoh E, Dodder NG, 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. *J Expo Sci Environ Epidemiol*. 2019 Oct;29(6):733-741. doi: 10.1038/s41370-019-0116-7. Epub 2019 Feb 6. PubMed PMID: 30728487.

Matt GE, **Quintana PJE**, Hoh E, Zakarian JM, Chowdhury Z, Hovell MF, Jacob P, Watanabe K, Theweny TS, Flores V, Nguyen A, Dhaliwal N, Hayward G. A Casino goes smoke free: a longitudinal study of secondhand and thirdhand smoke pollution and exposure. *Tob Control*. 2018 Nov;27(6):643-649. doi: 10.1136/tobaccocontrol-2017-054052. Epub 2018 Feb 8. PubMed PMID: 29439207.

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. *Am J Prev Med*. 2018 Mar;54(3):359-367. doi: 10.1016/j.amepre.2017.10.017. Epub 2018 Jan 2. PubMed PMID: 29305069; PubMed Central PMCID: PMC5818281.

Matt GE, Hoh E, **Quintana PJE**, Zakarian JM Arceo, J. (2019) Cotton Pillows: A Novel Field Method for Assessment of Thirdhand Smoke Pollution *Environ Res* 168, Pages 206-210 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; Guerro-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 Tot Environ, 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 Sep21. 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* 27, 84–89. doi: 10.1038/jes.2015.78.

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 (2015), *Journal of Borderlands Studies* 30 (3) 287-307

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. (2014). Thirdhand smoke and exposure in California hotels: non-smoking rooms fail to protect non-smoking hotel guests from tobacco smoke exposure. *Tobacco Control*. May;23(3):264-72. 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

Hoh, E, Hunt, RN, **Quintana, PJE**, Zakarian, JM, Chatfield, DA, Wittry, BC, Rodriguez, E, Matt, GE. (2012) Environmental tobacco smoke as a source of polycyclic aromatic hydrocarbons in settled household dust. *Environmental Science & Technology*. 46 (7), pp 4174–4183 doi: 10.1021/es300267g

Harnly, M; Naik-Patel, K; Wall, S; **Quintana, PJE**; Pon, D; Wagner, J. (2012). Agricultural burning monitored for air pollutants in Imperial County; exposure reduction recommendations developed. *California Agriculture*. 66(3) pp 85-90 doi:10.3733/cav066n03p851:

Matt GE, **Quintana PJE**, Destailats H, Gundel LA, Sleiman M, Singer BC, et al. (2011). Thirdhand tobacco smoke: emerging evidence and arguments for a multidisciplinary research agenda. *Environmental Health Perspectives*:-. 119(9):1218-26. doi:10.1289/ehp.1103500 Online: 31 May 2011

Matt GE, **Quintana PJE**, Zakarian JM, Fortmann AL, Chatfield DA, Hoh E, Uribe AM, Hovell MF. (2011) When smokers move out and non-smokers move in: residential thirdhand smoke pollution and exposure. *Tobacco Control*. Jan;20(1):e1. doi: 10.1136/tc.2010.037382. Epub 2010 Oct 30

Fortmann AL, Romero RA, Sklar M, Pham V, Zakarian J, **Quintana PJE**, Chatfield D, Matt GE. (2010) Residual tobacco smoke in used cars: futile efforts and persistent pollutants. *Nicotine & Tobacco Research*. Oct;12(10):1029-36. doi: 10.1093/ntr/ntq144. Epub 2010 Aug 30.

Matt GE, Romero R, Ma DS, **Quintana PJ**, Hovell MF, Donohue M, Messer K, Salem S, Aguilar M, Boland J, Cullimore J, Crane M, Junker J, Tassinario P, Timmermann V, Wong K, Chatfield D. (2008) Tobacco use and asking prices of used cars: prevalence, costs, and new opportunities for changing smoking behavior. *Tobacco Induced Diseases*. Jul 31;4:2. doi: 10.1186/1617-9625-4-2.

Matt, GE, **Quintana, PJE**, Hovell, MH, Chatfield, D, Ma, DS, Romero, R, Uribe, A. (2008) Residual Tobacco Smoke Pollution in Used Cars for Sale: Air, Dust, and Surfaces. *Nicotine & Tobacco Research*. 10 (9), 1467-1475

Matt, GE, Hovell, MF, **Quintana, PJE**, Zakarian, J, Liles, S, Meltzer, SB, Benowitz, NL (2007) The Variability of Urine Cotinine Levels in Young Children: Implications for Measuring ETS Exposure. *Nicotine & Tobacco Research*. 1:83-92

Matt, GE, **Quintana, PJE**, Liles, S, Hovell, MF, Zakarian, J, Jacob, P, Benowitz, NL (2006) Evaluation of urinary trans-3'-hydroxycotinine as a biomarker of children's environmental tobacco smoke exposure *Biomarkers*. 11 (6) 507-23

Wu CF, Delfino RJ, Floro JN, Samimi BS, **Quintana PJE**, Kleinman MT, Sally Liu LJ. (2005) Evaluation and quality control of personal nephelometers in indoor, outdoor and personal environments. *Journal of Exposure Analysis and Environmental Epidemiology*. 15 (1): 99-110

Lord, J, de Peyster, A, **Quintana, PJE**, Metzger, R.P. (2005) Cytotoxicity of xanthopterin and isoxanthopterin in MCF-7 cells. *Cancer Letters*. May 10; Vol. 222 (1), pp. 119-24

Wu CF, Delfino RJ, Floro JN, **Quintana PJE**, Samimi BS, Kleinman MT, Allene, RW, Liu LJ (2005) Exposure assessment and modeling of particulate matter for asthmatic children using personal nephelometers *Atmospheric Environment* . 39: 3457–3469

Quintana PJE, Dodd-Butera T, Shaputnic C, Ramirez-Zetina M, Batista AC, Sierra MM. (2004) Inter-individual variation in levels of the detoxifying enzyme glutathione-S-transferase *pi* (GSTP1) in placentas from a Mexican population. *Journal of Children's Health*. 2(1): 41-51

Quintana PJE; Delfino RJ; Korrick S; Ziogas A; Kutz FW; Jones EL; Laden F; Garshick E (2004) Adipose tissue levels of organochlorine pesticides and PCBs and risk of non Hodgkin's lymphoma *Environmental Health Perspectives*. 112(8): 854-861

Matt GE, **Quintana PJE**, Hovell MF, Bernert JT, Song S, Novianti N, Juarez T, Gehrman C, Garcia M, Larson S. (2004) Households contaminated by environmental tobacco smoke: sources of infant exposures. *Tobacco Control*. 13(1): 29-37.

Delfino RJ, **Quintana PJE**, Floro J, Gastañaga V, Samimi BS, Kleinman MT, Bufalino C, Liu L J. S, Wu C-F, McLaren C. (2004) Association of FEV1 with personal and microenvironmental exposure to airborne particulate matter in asthmatic children. *Environmental Health Perspectives*. 112(8): 932-941

Quintana, PJE, Valenzia, J, Delfino, RJ and Liu, L-J S. (2001) Monitoring of 1-minute personal particulate matter exposures in relation to voice recorded time-activity data. *Environmental Research*. 87(3):199-213

Quintana, PJE, Neuwirth, EAH and Grosovsky, AJ. (2001) Inter-chromosomal gene conversion at an endogenous human cell locus. *Genetics*. 158 (2): 757-767

Quintana, PJE, de Peyster, A, Hucke, RK and Sanudo, FM. (2001) Surveying a hidden population for environmental and occupational health risks: migrant workers in North San Diego County, California. *Journal of Border Health*. 5(2): 3–14.

Culley, CA, Mayer, JA, Eckhardt, E, Busic, AJ, Eichenfield, LF, Sallis, JF, **Quintana, PJE** and Woodruff, SI. (2001) Compliance with federal and state legislation by indoor tanning facilities in San Diego. *Journal of the American Academy of Dermatology*. 44(1): 53–60

Quintana, PJE, Samimi, BS, Kleinman, MT, Liu, L J S, Soto, K, Warner, GY, Bufalino, C, Valencia, J, Francis, D, Hovell, MH, and Delfino, RJ. (2000) Evaluation of a real-time passive personal particle monitor in fixed site residential indoor and ambient measurements. *Journal of Exposure Analysis and Environmental Epidemiology*. 10: 437–45

Quintana, PJE, de Peyster, A, Klatzke, S and Park, HJ. (2000) Gossypol-induced DNA strand breaks are secondary to cytotoxicity. *Toxicology Letters*. 117, 85-94

- Horne, C, **Quintana, PJE**, Keown, PA, Dimitch-Ward, H and Chan-Yeung, M. (2000) Distribution of HLA Class II DQB1 and DRB1 alleles in patients with occupational asthma due to Western Red Cedar. *European Respiratory Journal*. 15: 911-4
- Comstock, KL, Krown, KA, Page, MT, Martin, D, Ho, P, Pedraza, M, Castro, EN, Nakajima, N, Glembotski, CC, **Quintana, PJ** and Sabbadini, RA. (1998) LPS-induced TNF release from and apoptosis in rat cardiomyocytes: obligatory role for CD14 in mediating the LPS response. *Journal of Molecular and Cellular Cardiology*. 30 (12): 2761-75
- Davies, HW, Kennedy, SM, Teschke, K, and **Quintana, PJE**. (1998) Cytogenetic analysis of South Asian berry pickers in British Columbia using the micronucleus assay in peripheral lymphocytes. *Mutation Research*. 416 (1/2): 101-113, 1998
- Titenko-Holland, N, Levine, J, Smith, MT, **Quintana, PJ**, Boeniger, M, Hays, R, Suruda, A and Schulte, P. (1996) Quantification of epithelial cell micronuclei by fluorescence in situ hybridization (FISH) in mortuary science students exposed to formaldehyde. *Mutation Research*. 371 (3-4): 237-48
- Krown, KA, Page, MT, Nguyen, C, Zechner, D, Gutierrez, V, Comstock, KL, Glembotski, CC, **Quintana PJ** and Sabbadini RA. (1996) Tumor necrosis factor alpha-induced apoptosis in cardiac myocytes: involvement of the sphingolipid signaling cascade in cardiac cell death". *Journal of Clinical Investigation*. 98 (12): 2854-65
- Shanahan, EM, Peterson, D, Roxby, D, **Quintana, PJ**, Morley, AA, and Woodward A. (1996) Mutation rates at the Glycophorin A and HPRT Loci in uranium miners exposed to radon progeny. *Occupational and Environmental Medicine*. 53 (7): 439-44
- Campbell, CA, Teschke, K, Bert, J, **Quintana, PJ** and Hertzman, C. (1996) Pharmacokinetic model of dioxin and furan levels in adipose tissue from sawmill work involving chlorophenolate fungicides. *Chemosphere*. 33 (12): 2373-81
- Rothman, N, Smith, MT, Hayes, RB, Li, GL, Irons, RD, Dosemeci, M, Haas, R, Stillman, WF, Linet, M, Xi, LQ, Bechtold, WE, Wiemels J, Campleman, S, Xhang, L, **Quintana, PJ**, Titenko-Holland, N, Wang, WZ, Lu, W, Kolanchana, P, Meyer, KB and Yin, S. (1996) An epidemiologic study of early biologic effects of benzene in Chinese workers. *Environmental Health Perspectives*. 104(Suppl.6): 1365-70
- Rothman, N, Haas, R, Hayes, RB, Li, GL, Wiemels, J, Campleman, S, **Quintana, PJ**, Xi, LJ, Dosemeci, M, Titenko-Holland, N, et al. (1995) Benzene induces gene-duplicating but not gene-inactivating mutations at the glycophorin A locus in exposed humans. *Proceedings of the National Academy of Sciences*. U S A 92: 4069-73
- Moore, LE, Titenko-Holland, N, **Quintana, PJ** and Smith, MT. (1993) Novel biomarkers of genetic damage in humans: use of fluorescence in situ hybridization to detect aneuploidy and micronuclei in exfoliated cells. *Journal of Toxicology and Environmental Health*. 40 (2-3): 349-57
- Flessel, P, **Quintana, PJ** and Hooper, K. (1993) Genetic toxicity of malathion: a review. *Environmental and Molecular Mutagenesis*. 22 (1): 7-17
- Compton-Quintana, PJ**, Jensen, RH, Bigbee, WL, Grant, SG, Langlois, RG, Smith, MT and Rappaport SM. (1993) Use of the glycophorin A human mutation assay to study workers exposed to styrene. *Environmental Health Perspectives*. 99 (3): 297-301
- Bois, FY and **Compton-Quintana, PJ**. (1992) Sensitivity Analysis of a New Model of Carcinogenesis. *Journal of Theoretical Biology* 159 (3): 361 - 375

Compton, PJ, Hooper, K and Smith, MT. (1991) Human Somatic Mutation Assays as Biomarkers of Carcinogenesis. *Environmental Health Perspectives*. 94 (8): 135 – 141

Refereed Book Chapters

Talaska, G, Weider, L and **Quintana, PJE** (1999) Molecular Biomarkers of Carcinogen Exposure. in Molecular Biology of the Toxic Response, Puga, A, and Wallace, KB, eds. Taylor and Francis, Philadelphia, USA, 127-145

Quintana, PJE (2013) Section 8. Chapter 801. Children's Health, Environmental Effects. Encyclopedia of Toxicology, 3rd Edition, Elsevier Press (*in press*)

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/>

Funded Research Grants

28PT-0079 TRDRP Quintana (PI) 12/01/18–11/30/21

Reducing Exposure to Thirdhand Smoke in Multiunit Housing (subproject of the TRDRP Thirdhand Smoke Consortium).

To determine best practices for sampling, exposure assessment, remediation, and verification of THS-polluted MUH, and to translate these findings to stakeholders.

Role: Principal Investigator, oversee project, data analysis, and dissemination

28PT-0078 TRDRP Matt (PI) 12/01/18–11/30/21

Thirdhand Smoke Dissemination, Outreach, and Resource Center

As the dissemination core of the THS Consortium, the overall mission of the THSRC is to link the THS Consortium to California's diverse communities to achieve indoor environments that are 100% free of tobacco smoke toxicants. The THSRC will offer resources to stakeholder groups to examine THS contamination and human exposures and will collaborate with them to develop and implement effective policies. Role: Co-Investigator, advise on sampling, interpretation and dissemination

27IP-0028 TRDRP Quintana (PI) 04/01/18–03/31/20

Remediation of Tobacco Toxicants Polluting Low-Income Multiunit Housing

To determine the extent to which low-income housing homes in San Diego County are polluted with THS, evaluate the effectiveness of household dust and surface cleaning interventions on THS pollutant concentration and composition, and identify characteristics of low-income homes and residents associated with THS pollutants in the homes.

Role: Principal Investigator, oversee project and data analysis

27IR-0019 TRDRP Matt (PI) 04/01/18–03/31/21

Exposure to Tobacco, E-Cigarette, and Marijuana in Multiunit Housing

To investigate how nonusers of tobacco, electronic cigarettes, and marijuana (TEM) are impacted by TEM use of other residents in a multiunit building.

Role: Co-Investigator, oversee environmental sampling and interpretation

1R01ES027815-01A1 NIH/NIEHS Mahabee-Gittens, Matt (Co-PIs) 02/01/18–11/30/22

Contribution of Thirdhand Smoke to Overall Tobacco Smoke Exposure in a Pediatric Population

To investigate how home smoking behaviors contribute to thirdhand smoke and overall tobacco smoke pollution and exposure.

Role: Co-Investigator, oversee environmental sampling and interpretation

G00012494 CARB Quintana (PI) 10/01/18–12/31/20

(subaward from Casa Familiar, San Ysidro CARB AB 617)

San Ysidro Air Monitoring Network

To support community efforts to monitor indoor and outdoor air quality in San Ysidro CA, focusing on black carbon and other pollutants related to US-Mexico border location.

Role: PI of subcontract, oversee monitoring efforts and provide technical support

CARB SEP Quintana (PI) 10/1/18 – 9/30/20

(subaward from Casa Familiar, San Ysidro San Ysidro

San Ysidro Air Network Continuity”

Role: Principal Investigator of SDSU subcontract

16RD010 Quintana (PI) 06/01/17–05/31/20

State of CA Air Resources Board

Improving the CalEnviroScreen Score at the U.S.-Mexico border

To collect, verify, and map existing pollution data on both sides of the U.S.-Mexico border in California to improve CalEnviroScreen.

Role: Principal Investigator

25IP-0023 TRDRP Quintana (PI) 07/01/16–03/30/20

Silicone Wristbands: Personal Samplers for Tobacco Toxicants

To investigate whether a novel simple sampler based on a silicone band worn on the wrist can be used to determine secondhand exposure to a variety of contaminants in tobacco smoke or electronic nicotine delivery devices (ENDS, or e-cigarettes).

Role: Principal Investigator, oversee project and data analysis

26IP-0047 TRDRP Matt (PI) 07/01/17–03/30/20

Effects of Thirdhand Smoke Exposure on the Microbiome of Young Children

To compare young children of smokers and nonsmokers to determine if (1) the homes of smokers are polluted with higher levels of THS pollutants (dust, surfaces), (2) the children of smokers have higher levels of THS on their hands and in their bodies, and (3) the microbiomes in the mouth, nose, ear, and on the skin of the children of smokers differ in ways that may affect the regulation of their immune system.

Role: Co-Principal Investigator, oversee environmental analysis

CAHHU0028-15 HUD Matt (PI) 11/16/15–11/15/18

Thirdhand Smoke Pollution and Remediation in Low-Income Housing

To determine the extent to which low-income housing homes in San Diego County are polluted with THS, evaluate the effectiveness of household dust and surface cleaning interventions on THS pollutant concentration and composition, and identify characteristics of low-income homes and residents associated with THS pollutants in the homes.

Role: Co-Principal Investigator, oversee environmental analysis

Subaward from 23PT-0013 TRDRP Quintana (PI, SDSU subcontract) 12/01/14–12/31/18

University of California, San Francisco

Subsidiary - CA Collaborative Consortium on Thirdhand Smoke Exposure & Health Effects

Persistent Thirdhand Smoke Toxicants in Indoor Environments

Subsidiary-CA Collaborative Consortium on Thirdhand Smoke Exposure & Health Effects

This project investigates novel toxic components of thirdhand smoke in house dust samples and in urine of exposed individuals through nontargeted chemical analysis.

Role: Principal Investigator, oversee project and data analysis

21RT-0142 TRDRP Matt (PI)

08/01/12–07/31/16

Certifying Smoke-Free Used Cars: Effects on Value and Consumer Behavior

This study established a program to certify used cars as smoke-free and investigate the impact on consumer behavior and the value of used cars.

Role: Co-Principal Investigator, oversee environmental measurement

22RT-0139 TRDRP Matt (PI)

08/01/13–07/31/15

Toward Smoke-Free Casinos: The Win-River Experience

This study examined the fate of thirdhand smoke residues in a commercial indoor environment (casino) after indoor smoking was banned.

Role: Co-Principal Investigator, oversee environmental measurement

19CA-0164 TRDRP Matt (PI)

06/01/10–05/31/14

Thirdhand Smoke Pollution and Exposure in Ex-Smokers' Homes

This study investigated the presence, distribution, and time course of thirdhand smoke pollutants in ex-smokers' homes and the exposure to these pollutants among nonsmokers living in these homes.

Role: Co-Principal Investigator, oversee environmental analysis

2013 "Novel PAH fingerprint analysis of border air samples from San Ysidro, CA" 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). **ROLE: Co-Investigator** (PI of Sub-award, E. Hoh)

2011–2016 "Community Trial to Speed the Diffusion of Smoke Free Multiunit Housing Policies" National Cancer Institute, R01CA151953, subcontract to SDSU, (PI, A. Hyland). **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. **ROLE: Principal Investigator**

2010–2013 Thirdhand Smoke Pollution and Exposure in Ex-Smokers' Homes" California Tobacco Related Disease Research Program 19CA-0164. **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.. **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. **ROLE: Principal Investigator**

2006-2009 "Smoking Policies and Secondhand Smoke in Rental Cars " California Tobacco Related Disease Research Program. 17RT-0162H.. **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. **ROLE: Principal Investigator**

2006-2009 " Smoking Policies and Secondhand Smoke in Rental Cars " California Tobacco Related Disease Research Program 15RT-0160. **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. **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. **ROLE: Principal Investigator**

2004-2008 "Exposing Children to Secondhand Smoke in Contaminated Homes" California Tobacco Related Disease Research Program 13RT-0161H. **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. **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. **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. **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. **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. **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

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

Memberships in Professional Associations

American Association for the Advancement of Science

American Public Health Association

International Society for Exposure Science

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, Curriculum Committee SPH, 2004, 2013 - present

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

Member, Diversity, Equity, and Inclusion Committee, SPH 2018-present

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

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

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

Member, Curriculum Committee SPH 2001, 2002, 2004 – 2018

Member, Retention, Tenure and Promotion Committee, CHHS, 2016 –2019

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 for MPH and MS degrees, SPH, 2013 – present
 Member, Faculty Advisory Council, Latin American Studies, 2012 – present
 Liaison for San Diego State University, National Board of Public Health Examiners, 2010 – 2017
 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
 Chair, Search Committee Environmental Health 2017/2018
 co-Chair: Search Committee (with Elizabeth Reed) Search Committee, Global Health, Environmental Health Sciences 2019/2020
 Faculty Mentor, SDSU Graduate School of Public Health high school summer internship program – 1998

Service for the Community

Member, **Community Air Protection Program Consultation Group** for the California Air Resources Board, 2018 - present
 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 – 2019
 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, Carolina Aguilar-Dodier, Rita Zurita, 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

Sensors

Tobacco Control

Presentations

(selected: 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

(community presentations, selected)

February, 2020, Presentation Improving the CalEnviroScreen Score at the CA-Baja CA border, **California Air Resources Board webinar**

October, 2018 Presentation, San Ysidro Air Study, AB617 Update **Industrial Environment Association Annual meeting, San Diego, CA**

February, 2017 Presentation San Ysidro Air Study, **Committee on Binational Regional Opportunities (COBRO)**

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.



**APPLICATION FOR SERVING AS A PUBLIC MEMBER ON THE SAN
DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT GOVERNING
BOARD**

INSTRUCTIONS: Please complete this form in its entirety. Note the additional requirements listed on the third page.

Submit the completed application and your resume to the Clerk of the Air Pollution Control District Governing Board at APCDPublicComment@sdcounty.ca.gov or, you may send your application to 10124 Old Grove Road, San Diego, CA 92131. **Applications are due no later than March 23, 2021.**

Rappolt

Last Name

Thomas J.

First Name

The APCD Governing Board meets at times mutually satisfactory to the members. Day meetings are more common than evening meetings. Will you be able to schedule your time accordingly?

☒ Yes ☐ No

Have you ever been affiliated with an entity that is regulated by the Air Pollution Control District?

☐ Yes ☒ No

If yes, please list them here:

What required area of expertise are you seeking to represent on the APCD Governing Board?

- ☐ Physician/Public Health Professional
☐ Environmental Justice Interests
☒ Science/Technology Background in Air Pollution

****Candidates are required to submit evidence of their qualifications by including a resume with this application and may be asked to provide additional information, as needed.***

Please summarize your experience that demonstrates your interest and proven ability in the field of air pollution control and your understanding of the needs of the general public in connection with the air pollution problems of San Diego County.

1. Education - MS in Meteorology - Pennsylvania State University, BS in Physics - Moravian College
2. Publications - co-author of "Air Quality Modeling", Vol. IV, P. Zannetti, Editor., Air and Waste Management Association, 2009-2010. Published over 15 papers/book chapters and over 100 reports on technical studies - all related to air quality issues.
3. Experience - 44 years in conducting air quality related studies in the consulting industry in San Diego County.
4. Chair Person for the San Diego County APCD Hearing Board for 11 years, Public Member for 21 years.
5. Active member and committee member for the Industrial Environmental Association - 1995 to present. Associate Member of the Year - 2001.
6. Served as a member Board of Directors of four nationally recognized Environmental Service firms.
7. Recognized Expert Witness regarding Air Quality and Atmospheric Dispersion Processes - served as a testifying expert for 17 law firms in 8 states as well as Federal Court.

STATEMENT OF OCCUPATIONAL EXPERIENCE

SCS Engineers (Includes merger of Tracer ES&T into SCS on 10/01/2009)

Current Employer

Vice President and Project Director (President of Tracer, Business Unit Director, Board member for 2 years)

1995 to Present

Job Title

Dates of Employment

Previous Employers

Position Title

Dates of Employment

Team, Inc.

Vice President and Sr. Meteorologist

1990 to 1995

Tracer Technologies, Inc. (Tracer ES&T)

Vice President and Sr. Meteorologist, President

1984 to 1990, 1995 to 2009

Energy Resources Company Inc.

Sr. Scientist and Air Quality Meteorologist

1979 to 1984

Science Applications, Inc. (later called SAIC)

Staff Meteorologist

1977 to 1979

List past county appointments with dates served, and other past or present community or public service appointments.

Committee/Organization Name

Dates Served

San Diego County APCD Hearing Board

2000 to 2021

CARB Community Health Modeling Working Group

1998

Early Action Committee for AB32 - Sulfur Hexafluoride Rule

2007 to 2008

Bi-National Air Quality Alliance - Board Member (Industry Representative)

2004 to 2005

Membership qualifications for the APCD Governing Board are as follows:

Qualifications. All public members shall reside within the boundaries of San Diego County and shall be appointed on the basis of their demonstrated interest and proven ability in the field of air pollution control and their understanding of the needs of the general public in connection with the air pollution problems of the San Diego County. Specific qualifications for each of the three (3) public Board members, as established by Health & Safety Code section 40100.6(a)(4)(A)–(C), are as follows:

1. One public member shall be a **physician or public health professional** actively practicing within the boundaries of the San Diego County. The member's specialty shall be in the health effects of air pollution on vulnerable populations.
2. One public member shall be a **person representing environmental justice interests** and who works directly with communities within the boundaries of the San Diego County that are most significantly burdened by, and vulnerable to, high levels of pollution, including communities with diverse racial and ethnic populations and communities with low-income populations. This member may be a resident of that community and have a demonstrated record of community leadership.
3. One public member shall be a **person with a scientific or technical background in air pollution**, such as an environmental engineer, chemist, meteorologist, or air pollution specialist.

NOTE: Public members will be appointed by the San Diego County Air Pollution Control District Governing Board. Each public member will serve a four-year term and is entitled to receive compensation for participation on the Governing Board. Please review [Assembly Bill 423 \(AB 423\) SEC. 6. Section 40100.6](#) for details.

Please note that this application is a public record subject to disclosure. This application will be maintained for a period of one year.

By signing below, I declare that the information provided above is accurate and complete to the best of my knowledge.

Thomas J. Rappolt

Applicant's Name



Applicant's Signature

3-17-2021

Date

CONTACT INFORMATION

Rappolt <i>Last Name</i>	Thomas J. <i>First Name</i>
------------------------------------	---------------------------------------

Note: Personal information may be withheld from public view as allowed by law.

[REDACTED] <i>Home Street Address</i>	Carlsbad <i>City</i>	CA <i>State</i>	92009 <i>Zip</i>
[REDACTED] <i>Mailing Address (if different than home address)</i>	Carlsbad, CA <i>City</i>	CA <i>State</i>	92008 <i>Zip</i>
[REDACTED] <i>Business Street Address</i>	[REDACTED] <i>City</i>	[REDACTED] <i>State</i>	[REDACTED] <i>Zip</i>
[REDACTED] <i>Home Phone #</i>	[REDACTED] <i>Business Phone #</i>		
[REDACTED] <i>Mobile Phone #</i>			
[REDACTED] <i>E-Mail Address</i>			

THOMAS J. RAPPOLT, QEP

Vice President – SCS Engineers (Current Employer)
Senior Air Quality Meteorologist – Project Director

Education

MS – Meteorology, Pennsylvania State University 1984
BS – Physics, Moravian College, 1974

Specialty Certifications

Qualified Environmental Professional (QEP) - 4960066

Professional Affiliations (past and present)

San Diego Air Pollution Control District Hearing Board
Air Pollution Scientific Initiative
Air and Waste Management Association
American Meteorological Society
Hazardous Waste Association of California
American Society of Mechanical Engineers
National Defense Industrial Associations
Industrial Environmental Associations of San Diego
Industrial Environmental Association

Professional Experience

Mr. Rappolt has over 40 years of program management and technical experience in air quality compliance and pollutant dispersion and air measurement programs. He is considered an expert in atmospheric dispersion and transport of airborne pollutants, particularly in the area of complex terrain, including overwater/coastal meteorological regimes, as well as inter and intra building processes. During Mr. Rappolt's career, he has designed and implemented over 80 atmospheric monitoring networks and comprehensive field measurement programs involving toxic chemicals and molds, volatile and semi-volatile organic compounds, metals, odorous compounds, criteria pollutants, and other targeted compounds. Many of these measurement studies required support monitoring of local meteorological parameters, including upper atmospheric data using an array of direct probe and remote sensing devices. Mr. Rappolt has served as an expert witness in the area of meteorology, atmospheric dispersion, and odor impacts on numerous legal cases, hearing boards, and programs which have regulatory significance.

Mr. Rappolt has applied his technical knowledge of pollutant movement and formation in the atmosphere to help assess and mitigate industrial odor issues. Mr. Rappolt has developed a method to assess a specific facility's odor footprint and how that footprint affects compliance to nuisance regulations. This method, which incorporates onsite monitoring, modeling and surveys has been very effective in isolating mitigations to resolve industrial and facility odor issues. This approach has been successfully utilized at manufacturing facilities, wastewater treatment plants, landfills and composting operations. In addition to assessment of long term odor footprints, Mr. Rappolt has recently completed a validation study of the CALPUFF model to use to investigate specific odor episodes from landfills. This study involved using a series of tracer gases to tag odor plumes and comparing the dispersion of these tracer chemicals with project modeled results of the same event. Adjustments

were implemented to the CALPUFF model to enhance its accuracy in modeling landfill emissions. Meteorological support for this modeling was based upon satellite telemetry measurements of local winds with re-enforcement from several local point monitoring stations.

Mr. Rappolt has been active in participating with State and Local regulators regarding the formulation of Greenhouse Gas (GHG) regulations. As a stakeholder representative, Mr. Rappolt was a member of several early action committees for the California Air Resources Board (CARB) regarding the implementation of AB32. In this capacity, Mr. Rappolt has provided testimony before the Air Resources Board regarding the severity of impacts these regulations could have on California businesses and citizens. He has served as the industry representative on the Board of the Bi-National Air Quality Alliance. This board attempted to manage air quality issues between San Diego County and boarder regions south of international border. Recently, Mr. Rappolt joined the Air Pollution Scientific Initiative (APSI) as a member of their Advisory Board. The main goal of APSI is the creation of an evolving, multilingual repository of knowledge in air pollution sciences.

In addition to his technical contribution to numerous programs and projects, Mr. Rappolt is a proven manager of major air quality and environmental compliance groups. He has assumed this responsibility throughout his working career as an officer for four separate nationally recognized environmental consulting firms in addition to his founding of Tracer ES&T, Inc. Mr. Rappolt has organized and directed cumulative groups numbering more than 50 technical personnel responsible for millions of dollars of air quality, risk management, safety compliance, and air related research programs. He has served as an industry representative on the Board of the Bi-National Air Quality Alliance. Mr. Rappolt is an appointed active member of the San Diego County Air Pollution Control District Hearing Board and has served as Chair of that board for over 10 years. As a past member of the California Air Resources Board's Community Health Modeling Working Group Mr. Rappolt assisted the ARB develop models and protocols to assess urban cumulative impacts. Mr. Rappolt has also served on rule making committees as a stakeholder relative to AB32 initiatives.

Mr. Rappolt has served a two year term on the Board of Directors of SCS (2011 to 2013) and has served as a member of the company's Management Advisory Committee (MAC) (2011 to 2020). SCS is a 100% ESOP own company and has over 1000 employees with revenues in excess of \$250M annually.

Summary of Selected Major Projects:

Odor Impact Assessment for Litigation Support – Lead research studies in support of expert consulting and witness support to various class action law suits and plaintiff disputes involving landfill odor impacts. Studies included modeling of odors, measuring surface emissions of odor causing chemicals, offsite odor evaluations, expert witness testimony.

Odor Impact Study for the Miramar Landfill – Conducted an extensive model validation of the CALPUFF model for use in odor assessment studies. Applied the calibrated version of CALPUFF to investigating historical odor events to determine true sources of odors that led to complaints.

Odor Impact Assessment for the Tullytown Landfill – Provide testifying expert witness services to assess odor impacts from the Tullytown Landfill in Pennsylvania. Work efforts involved conducting modeling of potential odor sources from the Tullytown Landfill and gauging impacts in both PA and NJ. Also assessed potential health risks associated with odor emissions in support of permit renewals using site specific measurements and data.

Odor Studies for Orange County Waste and Recycling – From 2014 through 2020 conduct several odor assessments and odor mitigation projects in the Orange County region near Los Angeles. Work efforts investigated and assessed odors at the Prima Deshecha Landfill, the Frank R. Bowerman Landfill and the Olinda Alpha Landfill. Studies not only included the assessment of odors from landfill operations, but for proposed compost operations for NEPA compliance. Several of these odor studies involved using tracer gases to isolate sources of odor and transport pathways. These projects involved public testimony and interaction with the SCAQMD.

Industrial Odor Study – Led the project efforts to assess odor impacts to local communities regarding emissions from pet food manufacturing facilities. Negotiated with local regulatory officials on impacts and developed adequate mitigations to reduce odors so they were not detected by the community.

Landfill Odor Studies – Conducted at least 17 odor studies for landfill and composting operations regarding odor impacts to local communities. Developed and evaluated reasonable and cost effective mitigations that reduced odors so that they were manageable. Established community working groups to participate in the studies in order to involve the local community in the studies.

Instrumentation Development (government client) - Led the design team and fabrication effort of the latest automated and continuously sampling tracer gas analyzer (TGA) offered by Tracer ES&T, Inc. The TGA 2600 is a stand-alone analyzer built for client specifications. The TGA 2600 provides continuous concentration readings of SF₆ tracer gases in air over a dynamic detection range of 50,000 pptv to 1 pptv. The units are contained in weather proof portable boxes and have optional remote telemetry link into a central base station display and recording system. The wireless telemetry capability extends 40 km line-of-site distances and this distance can be exceeded through the use of repeater stations. A network of thirty-six such analyzers were built for a US Government client.

US Department of Energy - Dispersion of Gases in Fog - Program Manager of a study that investigated the dispersion of gases and particulates during zero visibility conditions. Under this program, the project team developed a remotely piloted mini-blimp with a GPS guidance system. The blimp was instrumented with a continuous realtime SF₆ analyzer used to measure specific tracer plumes in the Central Valley region of California during low wind Tule fog conditions.

US Marine Corps - Vapor Dispersion Study in Urban Los Angeles - Program Director of a study that conducted a series of 12 ambient atmospheric dispersion tests in the extreme urban setting of downtown Los Angeles. A vapor simulant based upon SF₆ tracer gases was used to simulate vapor threat releases. More than 50 downwind receptors were deployed in a dense receptor grid. Operated an array of support meteorological sensors to record winds, stability, and turbulence during test conditions.

California Air Resources Board - Baseline Monitoring Along the California/Mexico Border. Strategized and designed the implementation team to conduct a multi-year comprehensive ambient monitoring effort along the Mexico/California border. A total of 12 monitoring sites collect a range of criteria pollutants together with air toxics, metals, VOC's and meteorological parameters. Designed and implemented a radio-modem DAS to support the data processing of the program.

South Coast Air Quality Management District/EPA/U.S. Navy/Port District of LA and Long Beach - Overwater and Coastal Transport and Dispersion Measurement Program for SCOS97. Program Manager for a multi-tracer dispersion study to measure the impact change to the air quality of the Los Angeles Air Basin if the offshore shipping lanes are moved further west and out of the Santa Barbara Channel. The program was conducted in conjunction with SCOS97/NARSTO. Over 51 monitoring and QA/QC sites were operated during intensive testing episodes during August - October 1997.

UNOCAL - PSD Monitoring Related to Production Development in the Santa Barbara Channel. Designed, implemented, and operated several monitoring networks in Santa Barbara County for compliance programs related to the construction and operation of Platform Irene and related expansions to various gas processing plants and pipeline corridors. A network of 13 stations were operational at the peak of monitoring activities which included criteria pollutants, ROC's, particulates, and meteorological parameters. Complied with rigorous data processing, capture, and QA/QC guidelines enforced by the local APCD.

Department of Health Services/California Air Resources Board - Dispersion Studies at Class I Waste Sites in Support of Model Validation. Designed and conducted a series of dispersion monitoring studies using multiple tracers at Kettleman Hills and Casmalia Class I waste site. The collected data was used to validate EPA dispersion codes for applicability at hazardous/toxic materials class I waste sites.

Idaho National Engineering Laboratories/U.S. Dept. Of Energy/EG&G, Inc. - Monitoring of Particulate Impacts from a Low Level Radiological Waste Storage Site. Designed a detailed monitoring plan to measure non-radiological and radiological impacts associated with the operation of a low level radiological waste facility in the Idaho National Engineering Laboratories. A network of over 30 fence line monitoring sites were designed to collect particulate, alpha, beta, and gamma emitters and determine exposure/concentration impacts.

California Air Resources Board/Joint Powers Agency - SJVAQS/AUSPEX Perfluorocarbon Tracer Studies. Designed and managed a multi-tracer dispersion and transport monitoring program in the Central Valley and High Sierra's of California. Over 90 monitoring sites were implemented during four separate intensive air quality episodes. A complement of at least 30 meteorological monitoring stations were used to support the monitoring. A full QA/QC program was conducted in conjunction with the study which was regulatory approved.

Environmental Research Foundation - SO₂/SO_x Monitoring Network. During the mid to late 1970's monitoring was conducted in the San Luis Obispo and Santa Barbara County regions by public agencies and industry groups to define air quality attainment with the Clean Air Act Standards. A comprehensive network was implemented using used equipment to measure SO₂/SO_x levels. Mr. Rappolt was the initial program manager for this monitoring program.

UNOCAL - Odor Monitoring and Sulfur Compound Monitoring. During the mid-1980's Tracer ES&T designed and implemented a series of odor monitoring stations near the Lompoc HS&P. Parameters included real-time H₂S and Total Reduced Sulfur (TRS) compounds with coincident meteorological data. The stringent Santa Barbara QA/QC guidelines were achieved along with rigorous data logging and reporting requirements.

Offshore Operators Committee (OOC)/Walk Haydel, Inc. - Breton Aerometric Monitoring Program (BAMP). Key member of project team to conduct a comprehensive monitoring effort to develop a regional model for the oil industry to enable permitting of OCS operations in the Gulf of Mexico. Tracer ES&T would support monitoring efforts in addition to taking a lead role in planned dispersion studies. A tracer effort is in the planning stages with U.S. government agency (DOE and MMS) support.

South East Regional Reclamation Authority (SERRA)/Aliso Water Management Agency (AWMA) - Odor Impact Studies and Monitoring Program. Technical lead and expert witness regarding odor impact assessment to neighborhoods near waste water treatment plants in Orange County, CA. Designed and implemented a program to quantify and profile odor emissions from several plants and utilize this data

to support modeling efforts. Defense oriented expert witness testimony provided in a class action law suit.

County Sanitation Districts of Los Angeles County - Odor Impact and Dispersion Study. Investigated odor events from a major landfill operation in the LA Basin. Various mitigative measures were investigated. Tracer sciences were applied to study transport corridors in and out of the landfill and the effect of mitigation strategies.

U.S. Department of Navy - Overwater Dispersion Studies. - Real-time measurement of plume dispersion and transport in the overwater regime was conducted off Pismo Beach, CA. Tracer gases were released from a U.S. Navy research vessel and low flying aircraft equipped with air quality monitors and precise navigational instruments/recorders were used to document plume movement. The data was used to parameterize dispersion models.

West Associates (Utility Industry Association) - Particulate Tagging and Tracer Studies. A research program designed to develop a method to tag utility particulate and fly-ash. Various perfluorocarbon chemical tracers were utilized as taggants to various particulates. Field studies were conducted to determine the effectiveness of the tracer technique.

Brookhaven National Laboratories/DOE - Design of Regional Transport and Dispersion Measurement Programs. A joint effort with BNL to design monitoring programs associated with the BAMP and the California Central Valley PM2.5 Study. Proposed field studies will be implemented using developed plans and unique tracer science applications. The purpose of the program is to assist in model development and validation for environmental permitting.

Southern California Edison - SCAQS Program. Over 70 air quality sampling sites were operated to collect samples for tracer analysis. Multiple perfluorocarbon tracers were released from coastal mobile sources and power plants. Plumes were tracked and monitored over a two day period encompassing a grid that extended 100's of kilometers across the SoCAB. The data was successfully used to validate photochemical models used by SCAQMD.

Bureau of Land Management/MMS - Climatological Studies of California, Nevada, and New Mexico. Detailed climatological studies were conducted to update government records for BLM lands in three southwestern states. Current monitoring data were incorporated into existing databases to establish new baselines. These climatological updates were used to support EIS's in the various regions.

Texaco, Inc. - Central Valley Criteria Pollutant Monitoring Network. A total of nine monitoring sites were operated in the San Joaquin Valley in the vicinity of Bakersfield, CA. Monitoring stations were audited and maintained. A data management system was installed to enhance data capture and ease reporting tasks.

Technical Publications, Papers, and Selected Reports:

Mr. Rappolt has authored hundreds of technical reports and dozens of papers in environmental journals and publications. In addition, he typically presents papers at technical conferences. Highlighted below is a sampling of such papers and publications:

Rappolt, Thomas – Odor Assessment Methodologies for Landfill Facilities – Waste Expo Presentation – New Orleans, 2017.

Rappolt, Thomas – Landfill Odor Assessment and related Measurements – Rocky Mountain SWANA Conference, Denver, March 2017.

Rappolt, Thomas J., Kerrin, Stephen I., "Chapter 20 – Air Quality Modeling – Theories, Methodologies, Computational Techniques, and Available Databases and Software", Vol. IV., P. Zannetti, Editor, The EnviroComp Institute and the Air and Waste Management Association, 2009-2010.

Rappolt, Thomas J., Kerrin, S.L., Hochheiser, W, Ziman, S., Reheis, C., "Mapping Air Quality Plumes from Fossil Energy Sources to Assess the Impacts of Secondary Aerosol Development", Society of Petroleum Engineers (SPE), Paper No.: 66502, February 2001.

Rappolt, Thomas J., "Utilizing Chemical/Biological Agent Simulants for Assessing Facility Vulnerability to CB Terrorism Threats, White Paper for Tracer Environmental Sciences & Technologies, Inc., May 1999.

Rappolt, Thomas J., "A Risk Management Approach to Prepare Against Chemical and Biological Terrorism", Tracer Environmental Sciences & Technologies concept prepared for The U.S. State Department and other agencies, February 1999.

Dietz, Russell N., Senum, Gunnar I., Fajer, Ruby W., Wieser, Robert F. (Brookhaven National Laboratory) and Rappolt, Thomas J. (Tracer ES&T), BNL-65897-AB, "New Detectability in Atmospheric Perfluorocarbon Tracing", Presented at the American Chemical Society Meeting, Boston, MA, August 23, 1998.

Rappolt, Thomas J. and Teuscher, Lynn H., "Identification of Regional Air Mass Transport Using Tracer Studies", Air and Waste Management Association, Regional Photochemical Measurement and Modeling Studies, November 1993

Rappolt, Thomas J., Friesen, Daniel, Crow, Dale, "A Comparison of Data Sampling Frequencies for Determination of Atmospheric Stability for PSD Monitoring Programs", Air Pollution Control Association, 87-74.8, June 1987

Rappolt, Thomas J., Quon, Steven L., "Perfluorocarbon Tracer Experiments Performed in the San Joaquin Valley of California during the SJVAQS/AUSPEX Program - Summer of 1990", Air and Waste Management Association, 92-102.02, June 1992.

Rappolt, Thomas J., England, Teuscher, Kerrin, Mournighan, "Measurement of Hazardous Waste Incineration Destruction and Removal Efficiencies Using Sulfur Hexafluoride as a Chemical Surrogate", Air Pollution Control Association, 86-61.1, June 1986

Rappolt, Thomas J., "The Effect of Los Angeles on Your Air Emissions Strategy", Industrial Environmental Association of San Diego, August 1991.

Rappolt, Thomas J., "Environmental Permitting Considerations for Enhanced Oil Recovery Operations", Enhanced Recovery Week, June 1982

Rappolt, Thomas J., Berglund, Ronald I., "Quality Improvement Programs (QIP's) - An Uncharted Field in Environmental Permitting", Air & Waste Management Association, 96-RP133.03, June, 1996.

Rappolt, Thomas J., Deuble, John L. Jr., Teuscher, Lynn H., "Review of Atmospheric Tracer Studies Using Manmade Gaseous Chemical Compounds in the Overwater-Coastal Regime", American

Chemical Society, 216th National Meeting, Boston, Mass., August 23, 1998.

Rappolt, Thomas J., Dietz, R.N., et al, "New Detectability in Atmospheric Perfluorocarbon Tracing", American Chemical Society, 216th National Meeting, Boston, Mass., August 23, 1998.

Rappolt, T.J. (1982), "Synopsis and Critique of SF₆ Tracer Gas Experiments Conducted by MMS and ARB Offshore Central California," R-82-9089, Energy Resources Co., La Jolla, CA.

Rappolt, T.J. (1977), "Critique and Synopsis of the ARB-NPS R/V Acania Cruise #77-55," Science Applications, Inc., La Jolla, CA.

NUS Corporation (1977), "Interim Report of the Onshore Tracer Tests Conducted December 1976 through February 1977 at the San Onofre Nuclear Generating Station - Main Volume," Rockville, MD.

Rappolt, T.J. and L.H. Teuscher (1978), "Southern California Offshore Tracer Study," Science Applications, Inc., La Jolla, CA.

Teuscher, L.H., W.G. England and T.J. Rappolt (1979), "Beaver Combined Cycle Facility Study," Energy Resources Co., La Jolla, CA.

Crow, D. and T.J. Rappolt (1981), "Melbourne Airshed Tracer Study," Energy Resources Co., La Jolla, CA.

Rappolt, T.J. et al (1980), "Synopsis and Critique of SF₆ Tracer Gas Experiments Conducted by CARB and BLM in the Santa Barbara Channel Sep/Oct 1980," Energy Resources Co., La Jolla, CA.

Schacher, G. et al (1981), "Offshore Transport and Diffusion in the Los Angeles Bight II - NPS Data Summary," Report AD-A098-341/1, Naval Post Graduate School, Monterey, CA.

Rappolt, T.J. et al (1982), "Atmospheric Tracer Experiments Along OCS Sale No. 53," Energy Resources Co., La Jolla, CA.

Crow, D., T.J. Rappolt, et al (1982), "Overwater Atmospheric Tracer Data for the Parameterization of a Gaussian Transport and Dispersion Model for Overwater Use," Vol. 1 and 2, Energy Resources Co., La Jolla, CA.

Rappolt, T.J. and D. Crow (1982), "Summary Analysis Report NPS June 1982 Offshore Tracer Experiments Data Base," Tracer Technologies, Escondido, CA.

Skupniewicz, C.E. and G.E. Schacher (1984), "Measured Plume Dispersion Parameter Over Water," NPS-61-84-012, Naval Post Graduate School, Monterey, CA.

Skupniewicz, C.E. et al (1986), "Parameterization of Overwater Diffusion: Separation of Relative Diffusion and Meander," CR 86-02, Naval Post Graduate School, Monterey, CA.

England, W.G., L.H. Teuscher, S.L. Kerrin, J.L. Deuble, and T.J. Rappolt (1989), "Southern California Edison SCAQS Tracer Study," Tracer Technologies, San Marcos, CA.

Rappolt, T.J. et al (1997), "Tracer Dispersion Study of Shipping Emissions During the 1997 Southern California Ozone Study," SCAQMD Contract No. 97148, Tracer ES&T, San Marcos, CA.

Rappolt, T.J. et al (1991), "Transport of Acidic Air Pollutants to Forests and Alpine Regions of the Sierra Nevada," Tracer Technologies, Inc., ARB Contract No. A932-141, January & May 1992, San Marcos, CA.

Rappolt, T.J. and S.L. Quon (1992), "Perfluorocarbon Tracer Experiments Performed in the San Joaquin Valley of California during the SJVAQS/AUSPEX Program - Summer of 1990," Air and Waste Management Association, Paper 92-102.02, Pittsburgh, PA.

Law Firms provided Litigation Support:

Lloyd Gosselink Rochelle & Townsend, P.C., Austin, TX. Mr. Jeff Reed, *Expert Witness and Expert Consultant*: Odor control systems for passive landfill vents – permit review vs. regulatory agencies.

Winthrop & Weinstine, P.A., Minneapolis, MN. Mr. Joseph Windler, *Expert Witness and Expert Consultant*: Offsite Odor impact assessment of a glass recycling facility – plaintiff dispute.

Bradley, Arant, Boult, Cummings LLP, Nashville, TN. Mr. Bart Kempf., *Expert Witness and Consultant*: Offsite odor and toxic chemical impacts related to aluminum slag disposal at a landfill – regulatory agency dispute.

Beveridge and Diamond PC, New York, NY. Ms. Megan Brillault, Mr. James Slaughter, Mr. Michael Murphy, Mr. John Paul, *Expert Consultant*: Offsite Odor Impacts related to a Landfill Operation – class action suit.

Plews, Shadley, Racher, & Braun LLP, Indianapolis, IN., Ms. Amy Romig, *Expert Witness*: Air dispersion modeling assessment for odor impacts from a Landfill – class action.

Chammas Law Office, APLC, Glendale, CA., Mr. Jack H. Chammas, *Expert Witness*: Vapor Intrusion/migration and indoor dispersion study related to cigarette smoke impacts – plaintiff dispute.

Saul Ewing, Philadelphia, PA., Ms. Cathleen Devlin, *Expert Witness*: Atmospheric dispersion modeling and odor impact analysis regarding a landfill - class action suit.

Klinedinst PC., San Diego and Los Angeles, CA., Ms. Carey L. Cooper, *Expert Consultant*: Air quality consulting and management practices – oil and gas permitting – plaintiff dispute – cross claim.

Haight, Brown, & Bonesteel, Los Angeles, CA., Mr. Jeffery Vinnick, *Expert Witness*: Atmospheric dispersion of pollutants from industry toward a high school – class action.

Harris & Green Attorneys at Law., Los Angeles, CA., Mr. Gregory Heuser, *Expert Consultant*: Air dispersion modeling and public exposure assessment – plaintiff dispute.

Green & Hall Attorneys at Law, Anaheim, CA., Mr. John T. Griffin, *Expert Witness*: Indoor air quality vapor intrusion and mold exposure assessment – plaintiff dispute.

Higgs, Fletcher & Mack, L.L.P., San Diego, CA., Mr. S. Wayne Rosenbaum, *Expert Consultant*: Air quality issues for Environmental Management Systems - regulatory.

Knapp, Marsh, Jones & Doran, L.L.P., Los Angeles, CA., Mr. Dan Hyde, *Expert Consultant*: Landfill Odor and Pollutant Dispersion Measurements – regulatory.

Lewis, D'Amato, Brisbois & Bisgaard., Los Angeles, CA., Mr. Roger Billings, *Expert Witness*: Meteorological Events Related to Building and Vehicle Wind Loading – plaintiff dispute.

Davis & Winston, Attorneys at Law, Los Angeles, CA., Mr. Joseph Davis, *Expert Consultant*: Environmental and Health Impacts of EMR and Air Toxics – plaintiff disputes.

Law Offices of John Garcia, San Diego, CA, Ms. Maria Elena Davila, *Expert Witness*: Evaluation of Air Toxic Monitoring and Exposure – plaintiff dispute.

Collins, Collins, Muir, & Traver, Pasadena, CA., Mr. Robert Stellwagen, Jr., *Expert Consultant and Witness*: Atmospheric Dispersion of Pollutants and Odor Impact Assessment – class action.

States in which Served as an Expert Witness:

California, Pennsylvania, New Jersey, Indiana, Louisiana, Wisconsin, Texas, Puerto Rico, Federal Court.



**APPLICATION FOR SERVING AS A PUBLIC MEMBER ON THE SAN
DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT GOVERNING
BOARD**

INSTRUCTIONS: Please complete this form in its entirety. Note the additional requirements listed on the third page.

Submit the completed application and your resume to the Clerk of the Air Pollution Control District Governing Board at APCDPublicComment@sdcounty.ca.gov or, you may send your application to 10124 Old Grove Road, San Diego, CA 92131. **Applications are due no later than March 23, 2021.**

Rodriguez Figueroa

Last Name

Ruth

First Name

The APCD Governing Board meets at times mutually satisfactory to the members. Day meetings are more common than evening meetings. Will you be able to schedule your time accordingly?

☒ Yes

☐ No

Have you ever been affiliated with an entity that is regulated by the Air Pollution Control District?

☒ Yes

☐ No

If yes, please list them here:

Cymer an ASML Company; Ligand Pharmaceuticals, Inc; San Diego Gas & Electric;

Beckman Coulter (fka, Beckman Instruments); United Technologies (fka, Rohr Inc.)

What required area of expertise are you seeking to represent on the APCD Governing Board?

☐ Physician/Public Health Professional

☐ Environmental Justice Interests

☒ Science/Technology Background in Air Pollution

****Candidates are required to submit evidence of their qualifications by including a resume with this application and may be asked to provide additional information, as needed.***

Please summarize your experience that demonstrates your interest and proven ability in the field of air pollution control and your understanding of the needs of the general public in connection with the air pollution problems of San Diego County.

As a member of the Air Pollution Control Hearing Board, currently serving as Chair, I am humbled by the opportunity to continue serving my community as one of the public representatives. As a Hispanic woman, with degrees and experience in Chemistry and Occupational Health, understanding the technical elements of air emissions and controls provide a skill necessary for the protection of the air quality in the San Diego basin. An example of this skill was the implementation of less pollutant public transportation implemented in South Bay via the Carl Moyer grant program by working with the Environmental Health Coalition and the regulated community. This example cemented my personal commitment and resolve of contributing to maintaining and improving air quality to assure the health of all communities. I would add the following skills and experience:

1. Understanding of technical, compliance and industry working knowledge to provide a balance, disciplined and achievable solutions. As an example, the companies with which I worked embrace and support clean technology for workers personal transportation.
2. Collaboration between stakeholders via clear communications, engagement, and knowledge. For example, participation in training sessions and community initiatives to control ozone pollution impacting Barrio Logan.
3. Passionate dedication, willingness to continue learning technical solutions and community needs, and proven experience. Our current state in air quality needs bold measures, dedicated advocates, and people with knowledge of controls to ensure the future of San Diego air quality.

STATEMENT OF OCCUPATIONAL EXPERIENCE

RVR Consulting Group

Current Employer

Principal

Job Title

2014 - present

Dates of Employment

Previous Employers

Allergan, Inc (current)

Cymer an ASML company

Ligand Pharmaceuticals, Inc.

San Diego Gas & Electric

Position Title

Assoc. Dir, EHS

Dir. Environmental, Health, Safety and Sustainability

Sr. Dir. Facilities Operations and EHS

Sr. Corp. Industrial Hygienist

Dates of Employment

2017 - current

2014-2016

1996 - 2014

1995 - 1996

List past county appointments with dates served, and other past or present community or public service appointments.

Committee/Organization Name

Air Pollution Control District

Dates Served

~2002 - current

Membership qualifications for the APCD Governing Board are as follows:

Qualifications. All public members shall reside within the boundaries of San Diego County and shall be appointed on the basis of their demonstrated interest and proven ability in the field of air pollution control and their understanding of the needs of the general public in connection with the air pollution problems of the San Diego County. Specific qualifications for each of the three (3) public Board members, as established by Health & Safety Code section 40100.6(a)(4)(A)–(C), are as follows:

1. One public member shall be a ***physician or public health professional*** actively practicing within the boundaries of the San Diego County. The member's specialty shall be in the health effects of air pollution on vulnerable populations.
2. One public member shall be a ***person representing environmental justice interests*** and who works directly with communities within the boundaries of the San Diego County that are most significantly burdened by, and vulnerable to, high levels of pollution, including communities with diverse racial and ethnic populations and communities with low-income populations. This member may be a resident of that community and have a demonstrated record of community leadership.
3. One public member shall be a ***person with a scientific or technical background in air pollution***, such as an environmental engineer, chemist, meteorologist, or air pollution specialist.

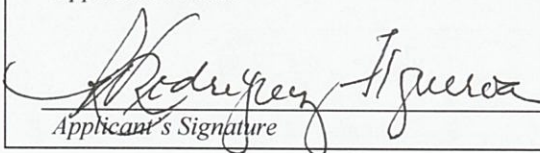
NOTE: Public members will be appointed by the San Diego County Air Pollution Control District Governing Board. Each public member will serve a four-year term and is entitled to receive compensation for participation on the Governing Board. Please review [Assembly Bill 423 \(AB 423\) SEC. 6. Section 40100.6](#) for details.

Please note that this application is a public record subject to disclosure. This application will be maintained for a period of one year.

By signing below, I declare that the information provided above is accurate and complete to the best of my knowledge.

Ruth Rodriguez Figueroa

Applicant's Name


Applicant's Signature

21 March 2021
Date

CONTACT INFORMATION

<u>Rodriguez Figueroa</u>	<u>Ruth</u>
<i>Last Name</i>	<i>First Name</i>

Note: Personal information may be withheld from public view as allowed by law.

<u>[REDACTED]</u>	<u>Oceanside</u>	<u>CA</u>	<u>92054</u>
<i>Home Street Address</i>	<i>City</i>	<i>State</i>	<i>Zip</i>
<u>Mailing Address (if different than home address)</u>	<u>City</u>	<u>State</u>	<u>Zip</u>
<u>Business Street Address</u>	<u>City</u>	<u>State</u>	<u>Zip</u>
<u>see above</u>			
<u>Home Phone #</u>	<u>Business Phone #</u>		
<u>[REDACTED]</u>	<u>[REDACTED]</u>		
<u>Mobile Phone #</u>			
<u>[REDACTED]</u>			
<u>E-Mail Address</u>			

Vilmarie Rodríguez, MS, CIH, CPEA, RBP

Oceanside, CA 92054

Highlights

Accomplished professional in EH&S, facilities operations, and M&A with over 15-years' experience. Resourceful and innovative professional with the right people skills and a consistent track record in strategizing, and in designing and executing on projects and goals. Proven ability and dedication to modifying operations and necessary infrastructure meeting company's needs. Demonstrated passion to deliver on company and customer expectations and demonstrated leadership by assembling exceptional teams. Background and experience include:

M&A due diligence and integration
Development and Implementation of Programs
R&D, Manufacturing, Commercial Operations
Leadership Skills
Team Management Skills

Program Management
Risk Management
EHS and Operations
Analytical Skills
Entrepreneurial, Innovative, and Resourceful

Experience

RVR Consulting Group, San Diego, CA
Principal

2014 - present

Partnering with clients in the strategic development and tactical execution of environmental, health and safety programs in support of operations from design through decommissioning activities. Establishing clients for success and employees to compliant safety and health conditions in the workplace while utilizing best management practices in support of sustainable operations. Presenter at professional conferences and community associations bridging the gap between technical information and real solutions.

Allergan Sales, LLC, Irvine, CA
Associate Director, EHS

2017 – present

Responsible and accountable for the success of the Select Agents and Toxins Program for Allergan in the role of Alternate Responsible Official in consultation with the Responsible Official, EHS support to *In Vivo* operations, Biosafety and Radiation Safety Programs. Enabling and establishing strong relationships and work teams to ensure that operational excellence and compliance requirements are consistently and successfully met.

- Responsible for providing timely and complete support to change controls meeting manufacturing urgency for continuation of supply chain and operations and licensure activities. These include suite design, commissioning, and decommissioning.
- Producing 100% timely and accurate completion of corrective and preventive action (CAPA) related to external inspections (CDC) and internal audits (GRDQ) directly increasing customer engagement and company reputation. Overall program improvement by reduction of deviations by 80% in 3 years.
- Hosting external inspections and internal audits, timely completing and closing audits, and evaluating effectiveness of CAPA's.
- Leading, developing and managing controlled documents and training curriculum for the Select Agent and Toxins program for Irvine and Campbell.
- Responsible for leading projects through execution for the Select Agent Inventory System (SAIS) meeting operational efficiencies and compliance with cross-functional and multi-site teams (Campbell and Irvine) with a projected user time reduction of at least 25%.
- Leading, facilitating, and supporting process automation such as workflows in SharePoint for effective customer engagement. As an example, workflows are used for enrollment of personnel in the SAT program with 50% time saved, 100% effective confidential data management, and 100 % process flow communication with the customers enhancing communication and experience.

- Developing and implementing industrial hygiene program for *In Vivo* activities including management of design and implementation of controls.
- Voting member of the Allergan IACUC, manager of the Select Agents and Toxins Institutional Biosafety Committee.
- Coordinating EHS support to AAALAC registration visit.
- Enhancing the radiation safety program; and integration of activities between CBRE and Allergan.
- Active and experienced collaborator of the site Business Continuity program (e.g., COVID-19).

BSI EHS Services and Solutions, Laguna Niguel, CA

2016 – 2017

Principal Consultant

Responsible for the design and execution of EHS programs and support to Sustainability professionals focused on companies in the life science industry in San Diego.

- Developed and implemented personal protective equipment risk assessment and program for supply chain of global medical diagnostic products.
- Developed and communicated reproductive risk assessments for global diagnostics company and worked with occupational medical provider to ensure the medical evaluation corresponded to the hazards of the job.
- Developed EHS program design and construction for high containment processes for chemotherapeutics and biological hazards for biopharmaceutical company.
- Developed and trained personnel on high containment processes.

Cymer, an ASML Company, San Diego, CA

2014 - 2016

Director, EHS and Sustainability

Responsible for the EHS and Sustainability programs at a vertically integrated laser company providing expert support to early research, manufacturing, marketing and sales to 12 sites globally.

- Responsible for EHS, Sustainability and Product Safety of Class IV lasers used in semiconductor applications worldwide.
- Co-designed and implemented EHS operation guides for provision to the five largest semiconductor chip manufacturers according to contracts.
- Responsible for designing sustainability programs with 60% reduction in process water via chiller recycling, 52% recycling of metals, and 45% reduction in solid waste.
- Designed and implemented an industrial hygiene program, including worldwide characterization of nanoparticulate with subsequent product substitution and control technologies.
- Implemented control measures with a 78% reduction in environmental violations.
- Designated Cymer representative to corporate ASML Risk Management, Sustainability, ISO Certifications and Social Responsibility boards and team.
- Created and implemented the “Good Catch” program with increased effectiveness to corporate safety culture and reduction in recordable injuries of 20%.
- Collaborated and executed role in implementing ISO-9001 certification with ISO-14001 certification in-progress.
- Collaborated in the development and deployment of Corporate programs such as risk assessment and management, business continuity, accident investigation, and integrated EHS Management system.
- Led the Crisis Management team in response to San Diego North County fires in 2014 ensuring displaced personnel accommodations and essential business continuity.
- Hired and developed staff to the level of director.

Ligand Pharmaceuticals Incorporated, San Diego, CA

1996 – 2014

Sr. Director, Facilities Operations and EH&S

Responsible for design, construction, commissioning, decommissioning, facilities management, risk management, risk control, EHS compliance, security, contract and contractor management, licensing and permitting, and managing real estate assets in multi-states. Promoted to increased level of responsibility from Occupational Health & Safety Administrator to current position

- Responsible for operational due diligence and M&A on multiple asset and business regulated acquisitions with aggregate value totaling over \$140 million.

- Work directly with the CEO and CFO to implement and support plans to reduce operating expenses from \$13 million to \$4 million in four years.
- Innovative approach to design, where 97% of laboratory equipment and FF&E was reclaimed for new use. Received award for new collaborative office design.
- Integrated and transferred operations and assets of four companies in the five years.
- Developed all operations and compliance programs. Savings of over 47% in risk insurance, 67% in maintenance, and attained zero-violations in 13 consecutive years in multi-states.
- Coordinated the design, validation and support of clean rooms in test pilot plant.
- Implemented green initiative program for employees and operations with savings of 20% in new construction and operations.
- Responsible for contract negotiations and full execution of leases, lease buy outs, sublets, technical consultants and trades.
- Managed properties and sublet facilities.
- Supported early stage R&D, technical transfer operations, and expansion activities of operations including support to manufacturing and served as internal consultant to sales personnel.
- Developed and implemented comprehensive pollution prevention program with savings of \$1.5 million.
- Served as Radiation Safety Officer, Biosafety Officer, and Chemical Hygiene Officer in multi-states.
- Implemented sustainable alternatives where water usage was reduced by 25% over 2 years, reduced solid and hazardous waste by 75%, reduced biohazardous waste by 90%, increased recycling activities by 65%, and spearheaded multifunctional team supporting green initiatives.
- Led the Crisis Management team in response to San Diego County fires in 2007 and 2010 ensuring displaced personnel accommodations and essential business continuity.
- Developed occupational exposure levels for research and marketed products.
- Completed and maintained business continuity program for the company.
- Hired and developed staff to the level of director.

San Diego Gas & Electric Company, San Diego, CA

1995 -1996

Senior Corporate Industrial Hygienist

Responsible for all health and safety program development and implementation supporting administration, operations, sales and marketing, and customer service functions for a company of 2000 employees.

- Ensured compliance with requirements for a publicly traded company supporting regulated merger activities.
- Developed ergonomics, respiratory protection, and laboratory programs for field and lab personnel.
- Completed investigation for the Legal department of workers' compensation litigated insurance claims related to carcinogen exposure.
- Liaison to Corporate Marketing on the development of a public safety campaign on prevention of CO poisoning targeting low income population in Spanish and English.
- Primary incident investigation resource for a self-insured, self-administered risk management business unit.

Beckman Coulter, Inc. (formerly Beckman Instruments, Inc.), Carlsbad, CA

1993 - 1995

Sr. Environmental Health and Safety Specialist

Responsible for all functions of EHS compliance, internal controls supporting GxP operations, supplier agreements, and insurance and risk management for the 1000 personnel site

- Designed and implemented compliance controls to meet air emissions and wastewater disposal requirements resulting in continuous scheduling of manufacturing campaigns.
- Served as internal consultant to executive team on regulatory matters related to toxicological exposures of company products to customers and employees.
- Served as internal consultant to the Corporate functions and supported multiple international sites.

United Technologies Corporation (formerly Rohr Incorporated), Chula Vista, CA

1990 – 1993

Corporate Senior Environmental, Health and Safety Engineer

Responsible for all aspects of compliance for public aerospace company in seven States and two international locales with an employee force of up to 13,000.

- Developed and implemented the Laboratory Safety Program and Injury and Illness Prevention Program for sites and trained personnel at each site.
- Managed and implemented the environmental health and safety audit plan and ensured continuous communication between engagement team members and client personnel.
- Prepared audit reports and related regulatory statements ensuring compliance.
- Resolved procurement and international shipping issues saving the company \$3.0 million.

San Diego State University, San Diego, CA

1984 -1990

Graduate Teaching Assistant/Research Associate

- Taught classes and developed laboratory guides in organic chemistry for undergraduates.
- Worked in the laboratory of Dr. Herbert G. Leberherz with *in vitro* and *in vivo* technologies.

Education

Master of Science, Chemistry with emphasis in Organic Chemistry and Occupational and Environmental Health, 1990, San Diego State University

Bachelor of Science, Life Sciences with emphasis in Chemistry and Physics, *Magna Cum Laude* 1983, University of Puerto Rico

Certifications and Registrations

American Board of Industrial Hygiene, Certified Industrial Hygienist (No. 6663)

Board of Environmental Auditors, Certified Professional Environmental Auditor (No. 581)

ABSA International, Registered Biosafety Professional (No. 520)

The California Community Colleges, Instructor Credential, Retired (No. 27 11 ROD002)

Recognitions

2013, Outstanding Leadership, Industrial Environmental Association, San Diego

2009, Employee of the Year, Ligand Pharmaceuticals, Inc.

2008, Award for Design of Small Office (Collaborative Environment), Knoll

2007, Outstanding Contributions to Merger and Acquisitions Activities, Ligand Pharmaceuticals Inc.

2005, Outstanding Technical Committee, President Laboratory Safety and Health Committee (AIHA)

2003, Outstanding Leadership in Environmental Sustainability from the California Manufacturers and Technology Association

Marquis' Who's Who in America, Lifetime Achievement Award

Marquis' Who's Who of Women in Science

Latino American Who's Who

Who's Who of Professionals

Professional Affiliations

San Diego County Air Pollution Control District Hearing Board, Chairperson

ABSA International, Publications Committee Member

Biosafety Network of Southern California, Board Member

American Industrial Hygiene Association, Lab Health and Safety Committee

American Chemical Society

Industrial Environmental Association, Board Member (President 2010-2013)

Languages

English and Spanish



**APPLICATION FOR SERVING AS A PUBLIC MEMBER ON THE SAN
DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT GOVERNING
BOARD**

INSTRUCTIONS: Please complete this form in its entirety. Note the additional requirements listed on the third page.

Submit the completed application and your resume to the Clerk of the Air Pollution Control District Governing Board at APCDPublicComment@sdcounty.ca.gov or, you may send your application to 10124 Old Grove Road, San Diego, CA 92131. **Applications are due no later than March 23, 2021.**

Semerau

Last Name

John

First Name

The APCD Governing Board meets at times mutually satisfactory to the members. Day meetings are more common than evening meetings. Will you be able to schedule your time accordingly?

☒ Yes

☐ No

Have you ever been affiliated with an entity that is regulated by the Air Pollution Control District?

☒ Yes

☐ No

If yes, please list them here:

University of California, San Diego

What required area of expertise are you seeking to represent on the APCD Governing Board?

☐ Physician/Public Health Professional

☐ Environmental Justice Interests

☒ Science/Technology Background in Air Pollution

****Candidates are required to submit evidence of their qualifications by including a resume with this application and may be asked to provide additional information, as needed.***

Please summarize your experience that demonstrates your interest and proven ability in the field of air pollution control and your understanding of the needs of the general public in connection with the air pollution problems of San Diego County.

I have worked as an air district site inspector and permit engineer for both the Bay Area Air Quality Management District and the San Diego County Air Pollution Control District. My combined years of experience at both agencies is over 18 years.

The needs of the general public in connection with air pollution problems in San Diego County are as follows: 1) Understanding of local air emission sources, their impact on neighborhoods and the measures to control them, 2) Clear and concise communication of complex matters related to air emissions, 3) Communication of the interconnectedness of the San Diego/Tijuana air basin and the impacts each metropolis has on the surrounding environment, 4) Communication of future initiatives and incentive programs, especially those directed at lower income neighborhoods, 5) Future goals, regulations and programs addressing climate change and the impacts that are expected, both from climate change, as well as adaptation and mitigation measures.

STATEMENT OF OCCUPATIONAL EXPERIENCE

University of California, San Diego

Current Employer

Scripps Institution of Oceanography Safety Officer

Job Title

16March2016

Dates of Employment

Previous Employers

Position Title

Dates of Employment

SDAPCD

Engineer III

April 2006-March2016

List past county appointments with dates served, and other past or present community or public service appointments.

Committee/Organization Name

Dates Served

Membership qualifications for the APCD Governing Board are as follows:

Qualifications. All public members shall reside within the boundaries of San Diego County and shall be appointed on the basis of their demonstrated interest and proven ability in the field of air pollution control and their understanding of the needs of the general public in connection with the air pollution problems of the San Diego County. Specific qualifications for each of the three (3) public Board members, as established by Health & Safety Code section 40100.6(a)(4)(A)–(C), are as follows:

- 1. One public member shall be a **physician or public health professional** actively practicing within the boundaries of the San Diego County. The member’s specialty shall be in the health effects of air pollution on vulnerable populations.
- 2. One public member shall be a **person representing environmental justice interests** and who works directly with communities within the boundaries of the San Diego County that are most significantly burdened by, and vulnerable to, high levels of pollution, including communities with diverse racial and ethnic populations and communities with low-income populations. This member may be a resident of that community and have a demonstrated record of community leadership.
- 3. One public member shall be a **person with a scientific or technical background in air pollution**, such as an environmental engineer, chemist, meteorologist, or air pollution specialist.

NOTE: Public members will be appointed by the San Diego County Air Pollution Control District Governing Board. Each public member will serve a four-year term and is entitled to receive compensation for participation on the Governing Board. Please review [Assembly Bill 423 \(AB 423\) SEC. 6. Section 40100.6](#) for details.

Please note that this application is a public record subject to disclosure. This application will be maintained for a period of one year.

By signing below, I declare that the information provided above is accurate and complete to the best of my knowledge.

John Semerau

Applicant’s Name

Applicant’s Signature

Date

CONTACT INFORMATION


Semerau

Last Name

John

First Name

Note: Personal information may be withheld from public view as allowed by law.

	San Diego	CA	92103
<i>Home Street Address</i>	<i>City</i>	<i>State</i>	<i>Zip</i>
<i>Mailing Address (if different than home address)</i>	<i>City</i>	<i>State</i>	<i>Zip</i>
<i>Business Street Address</i>	<i>City</i>	<i>State</i>	<i>Zip</i>
	<i>Business Phone #</i>		
<i>Home Phone #</i>			
<i>Mobile Phone #</i>			
<i>E-Mail Address</i>			

John Semerau

San Diego, CA 92103

PROFESSIONAL EXPERIENCE

5 years, UCSD Environment Health and Safety, EH&S Specialist III – General Safety Division, conduct housing, shop space, theatre and performance space audits and inspections, conduct training sessions for BBP, Fire Extinguisher, IIPP and LOTO programs. Conduct audit and reviews of construction projects Phase 1 assessments.

0.8 years, UCSD Scripps Institution of Oceanography, Scripps Safety Officer, conduct audits and inspections of all SIO campus including contractor compliance with Title 8 and OSHA regulations, supervise lab audits, manage and correct Fire Marshal audit findings. Implement security and safety measures at remote locations.

6.2 years, San Diego Air Pollution Control District, Associate Engineer - Toxics Division, review and permit select facilities, conduct Hazardous Risk Assessment using BEEST, ISCT3, AERMOD and GIS tools, review plant inventory submissions, conduct outreach to public and regulated stakeholders.

1.9 year, Gilead Science Inc. Manager – Environmental Health & Safety Training, Manager - Lab Services; EH&S Specialist, Manager of the MERT/ERT Teams, CPR/AED Certified, Hazwopper Certified, RAD receiving and survey specialist, conduct lab new hire and lab safety training for researchers, manage and coordinate blood borne pathogen and HEP B vaccination programs.

1.9 years, University of California, San Francisco-Manager of the Air Permits Program, Medical Center Training Coordinator, Environmental Health & Safety Specialist.

6.5 years Air Permit Engineer II, Bay Area Air Quality Management District (BAAQMD) – Review and permit select facilities, audit sites for compliance purposes, conduct public and stakeholder outreach programs.

5 years consulting providing comprehensive facility audit and compliance review with respect to BAAQMD, EPA and Local Government Environmental Rules and Regulations. Managed and developed Environmental Health & Safety educational materials for various corporate clients.

1.7 years experience inspecting industrial sites for compliance with BAAQMD Rules and Regulations – Inspector II.

7 years instructional experience, University of California, Santa Cruz, teach workshop providing instruction on compliance with BAAQMD regulations, notification requirements, inspection forms, record-keeping and enforcement issues.

1 year instructional experience teaching workshop providing EH&S Professionals in the semiconductor industry comprehensive instruction on regulatory compliance and safety issues associated with semiconductor tools and fab production. Workshop included compliance with local fire department regulations, Local City, county and federal government regulations.

2.5 years experience - Corporate Training Environmental Health and Safety video production for semiconductor and biotech industry applications.

EMPLOYMENT HISTORY

Scripps Safety Officer: Scripps Institution of Oceanography, UCSD, July 2020 - present

EH&S Specialist III: UCSD, April 2016-July 2020

Associate Engineer Toxics Division: San Diego Air Pollution Control District, May 2006 – April 2016

Manager Lab Services Group: Gilead Science, Inc. Oct 2004 – May 2006

Environmental Health & Safety Specialist: Gilead Science, Inc. Oct 2004 – May 2006

Medical Center Training Coordinator: UCSF Medical Center, 2003-2004

Air Permits Program Manager: UCSF EH&S Department, 2003-2004

Lecturer: University of California Extension, Santa Cruz, CA 1996 – 2003: Courses taught – i) BAAQMD Compliance and ii)

Semiconductor Tool Safety and Compliance

Environmental Specialist (Consultant): EORM Inc. 1998-1999

Consultant, Self Employed, July 1999-2010

Air Quality Engineer II: Bay Area Air Quality Management District, San Francisco, CA 1992 - April 1999

Inspector I: Bay Area Air Quality Management District, San Francisco, CA 1990-1992
Engineering Technician: Lawrence Berkeley Laboratory, Berkeley, CA September 1987- September 1990

EDUCATION AND CERTIFICATIONS

University of California, Berkeley, California. Bachelor of Science, Material Science and Engineering, December 1988.
California Institute of Technology, Pasadena California; 1981-1983
Glendale Community College; 1981-1982

Jet Propulsion Laboratory (JPL) 1981-1983
State of California - Registered Environmental Assessor (thru 2010)

REFERENCES PROVIDED ON REQUEST

San Diego County Air Pollution Control District

Procedures for Appointment of Governing Board Public Members

- A. Notices Inviting Applications. Notices inviting applications are posted on the District's website and social media accounts. Other means of notification, including press releases and outreach to interested groups or organizations, may also be used.
- B. Applications. Persons seeking appointment to the Board must file an application, in the form and manner prescribed by the Clerk of the District's Governing Board (Clerk), or their designee. The application shall include information stating the applicant's qualifications for the public Board position(s) being sought. Applications shall be due ten (10) days prior to the Board meeting at which appointments will be considered. After the application deadline has passed, the Clerk will forward all timely received applications to the Board and include copies of the applications in the Board's agenda packet (with redactions as appropriate to protect the applicants' home address, phone number, personal e-mail address, or other exempt information under the Public Records Act).
- C. Qualifications. All public members shall reside within the boundaries of the County of San Diego and shall be appointed on the basis of their demonstrated interest and proven ability in the field of air pollution control and their understanding of the needs of the general public in connection with the air pollution problems of the San Diego Air Basin. Specific qualifications for each of the three (3) public Board members, as established by Health & Safety Code section 40100.6(a)(4)(A)–(C), are as follows:
1. One public member shall be a ***physician or public health professional*** actively practicing within the boundaries of the County of San Diego. The member's specialty shall be in the health effects of air pollution on vulnerable populations.
 2. One public member shall be a ***person representing environmental justice interests*** and who works directly with communities within the boundaries of the County of San Diego that are most significantly burdened by, and vulnerable to, high levels of pollution, including communities with diverse racial and ethnic populations and communities with low-income populations. This member may be a resident of that community and have a demonstrated record of community leadership.
 3. One public member shall be a ***person with a scientific or technical background in air pollution***, such as an environmental engineer, chemist, meteorologist, or air pollution specialist.

D. Public Hearing and Appointment.

1. Interviews of applicants will be scheduled as a public hearing held during a properly noticed and open meeting of the Board. Due to COVID-19 protocols, such meeting will take place via videoconference held in compliance with applicable waivers to the Brown Act. The Clerk, or their designee, will ask each applicant to attend the Board meeting and be prepared to make an introductory statement and answer questions from the Board.
2. After the Chair opens the public hearing, applicants will be interviewed individually in the following order: (1) applicants for the physician or public health professional member; (2) applicants for the environmental justice member; (3) applicants for the scientific or technical member. If feasible, the Chair will request the applicants' consent to be placed in a virtual "waiting room" while the Board is interviewing other applicants. (Any applicant may, however, decline this request and remain in the meeting during all interviews.)
3. Following applicant interviews, the Board will receive comments from the general public. After public comment, the public hearing will be closed.
4. The Board will then consider the appointment of each of the three (3) public Board members in the order listed above. Each appointment shall be considered separately; the Board will not vote on a slate for multiple positions in the same motion.

The floor will be opened for discussion but, before any motion is made, each Board Member will have an opportunity to state the names of up to three (3) preferred applicants whom they would like the Board to consider for appointment.

After each Board Member has had the opportunity to identify their preferred applicant(s), any Board Member may make a motion to appoint an applicant. The motion will require a second by another Board Member. Following discussion, if any, the Board will vote on the motion to appoint. The motion to appoint must be approved by a majority of the quorum.

- E. Oath of Office. Prior to conducting any business at the Board meeting at which their appointment occurs, or at a subsequent Board meeting, each newly appointed public Board member shall take and subscribe the oath of office. A ceremonial oath of office may also occur.
- F. Vacancies. If a public position remains vacant following consideration of appointments by the Board, the application period to fill the position will be automatically extended by an additional fifteen (15) days or for such other time period determined by a majority vote of the Board, and the Board may consider the appointment at an upcoming meeting. Upon the time period being extended,

the Clerk's office will receive further applications for future consideration by the Board.

(Note: Consistent with Health & Safety Code section 40100.6(a)(4), in the event of a vacancy in a public Board member position, other public Board members are not eligible to vote on the appointment to fill the vacancy; only those Board members representing the County of San Diego, City of San Diego, and other cities within San Diego County are eligible to vote on the appointment of public Board members.)