

**2024 Epidemiology Research Exchange
San Diego, California
Friday, April 12th, 2024
9:00am to 3:00pm**

**County Operations Center
5520 Overland Avenue, Suite 210
San Diego, CA 92123**

Conference Co-Chairs:

Gretchen Bandoli, PhD, MPH, MBA
Shira Goldenberg, PhD, MSc
Tianying Wu, MD, PhD

Coordinators:

Mandi Graham
Carrie Goldsmith
Nicole Pippard, MPH

Sponsored by:

SDSU School of Public Health

UCSD Herbert Wertheim School of Public Health and Human Longevity Science

Naval Health Research Center

San Diego County Health and Human Services Agency

Bud Benenson Foundation



2024 EPI EXCHANGE AGENDA

8:30 **CHECK-IN & REGISTRATION**

9:00 **WELCOME REMARKS**

MODERATOR: Gretchen Bandoli, PhD

9:10 **KEYNOTE ADDRESS**

9:10 *Microbiome and Precision Health*

Jack Gilbert, PhD

Professor, Department of Pediatrics, Scripps Institution of Oceanography
University of California, San Diego

9:50 **DEVELOPMENTS IN ENVIRONMENTAL EPIDEMIOLOGY
RESEARCH**

9:50 *Air Pollution Exposures and Child Neurodevelopment*

Yu Ni, PhD

Assistant Professor, Division of Epidemiology and Biostatistics
San Diego State University

10:15 *Environmental Health and Climate Change Impacts in the Imperial
Valley: Assessing the Health Effects of Extreme Temperatures*

Miguel Angel Zavala Perez, PhD

Associate Professor, Division of Environmental Health
San Diego State University – Imperial Valley campus

10:40 *Pesticides and Children’s Mental Health: Insights from a 16-Year Study*

Jose Suarez, PhD

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

BREAK **5 minutes**

11:10 **INVITED COUNTY ADDRESS**

11:10 *An Update on Coccidioidomycosis in San Diego County (2004-2023)*

Hannah Thomas, MPH

CSTE Applied Epidemiology Fellow

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County of San Diego, Epidemiology Unit and CDC's Southern Border Health and Migration Branch (SBHMB)

11:30 ORAL PRESENTATIONS

11:30 *Hybrid Immunity and SARS-COV-2 Antibodies: Results of the HEROES-RECOVER Prospective Cohort Study*

James Romine, PhD

San Diego State University School of Public Health

11:45 *The Millennium Cohort Study: Updates on a Local Prospective Health Study of Service Members and Veterans*

Rudy P. Rull, PhD, MPH

Naval Health Research Center

12:00 LUNCH & POSTER SESSION

Discrimination, Bullying, and Hazing Experiences Among United States Military Personnel in the Millennium Cohort Study

Anna Baccetti

Trying to Avoid Overdose: An Examination of Individual Overdose Prevention Strategies Utilized by Structurally Vulnerable People Who Use Drugs in San Diego, California and Tijuana, Baja California, Mexico

Katie Bailey

Antimicrobial Exposure During Infancy in a Longitudinal California Cohort

Hannah Barca

The Scope of CalFresh Among UC San Diego Undergraduates

Sarah Bonilla, Kristina Flores, Aliya Ghalili, Cali He, & Kaleb Tesfai

Syphilis Infection and Increased Odds of Neurologic and Psychiatric Mobility

Aaron Briggs

Hungry for Help: The Impact of Food Insecurity on Academic Success at UCSD

Shria Bulusu, Rachel Kitay, Tomi Oginni, & Amy Trinh

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First-Year Students Have Low Self-Efficacy for Engaging in Conversations Related to Sexuality and Consent Compared to Their Older Counterparts: A Cross-Sectional Analysis of Baseline Data from the I-SHIP-US Randomized Control Trial

Ding Ding

Food for Thought: Knowledge and Use of the Triton Food Pantry at UC San Diego

Kat Ehlen, Natalie Kaplanyan, Jenny Kezios, Purba Khan, & Daisy West

Slipping Through the Cracks: Safety-Net Programs and Dining Dollars at UCSD

Gianina Fan, Sixuan Li, Melanie Lopez, Joseph Sadiki, & Daphne Serrano

The “Pressure” of Living Under Military Occupation: A Cross-Sectional Study Evaluating the Relationship of Psychosocial Factors with High Blood Pressure Among Palestinian Adolescents

Dina Hamideh

Non-Face-to-Face Time and Electronic Health Record Monitoring: An Analysis of Provider Time and Burden in Primary Care Settings

Nasim Kasiri

Everyday Discrimination and Access to Primary, Mental Health, and Substance Use Services Among Women Sex Workers in Metro Vancouver, Canada (2015-2020)

Kirstin Kielhold

Assessing the Role of Social Support as a Buffer Against Bias-Based Bullying and Depressive Symptoms

Alana Lopez

Reliability and Validity of the Social Food Security Scale among Eswatini Women

Maria D. Lopez Gurrola

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Chagas Disease in San Diego County Shelter Dogs
Shannon McBride

*Examining the Relationship Between Health Insurance Status and
Difficulty Seeking Medical Care Amongst Farmworkers in San Diego and
Imperial Counties, California, 2023*
Leticia Montoya

*Sexually Transmitted Infections (STI) Among People who Inject Drugs
(PWID) in the San Diego-Tijuana Border Region*
Carrie Nacht

*Exploring the Impact of Women's Economic Empowerment on Intimate
Partner Violence among Married Women in Nepal's Terai Region*
Jyotsna Negi

*A Review of Registered Breast Cancer Clinical Trials and Mortality Using
the Surveillance, Epidemiology, and End Results (SEER) Program from
2006-2020*
Kevin Nugent

*Sexual and Physical Victimization among Lesbian, Gay, and Bisexual
Individuals in a Large Military Cohort*
Jacqueline Peretti

*Implementation Considerations for Safer Smoking Supplies and Naloxone
Distribution in Response to Shifting Substance Use Patterns in San Diego,
California*
Jacob Ross

*Early Ascertainment of Breast Cancer Diagnoses comparing Self-
Reported Questionnaires and Electronic Health Record Data Warehouse:
The WISDOM Study*
Rita Ryu

*Developing Group Telehealth Interventions for Diverse Populations:
Balancing Flexibility with Treatment Fidelity*
Vanessa Serrano

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Exploring Secondhand Exposure to Vaping: A Dyad Study Using Wristband Nicotine and Urinary Cotinine

Samantha Suess

Antimicrobial Resistant Nontyphoidal Salmonella Infections Among the US Pediatric Population: 2004-2021 Secondary Data Analysis

Nhi Tran

Concordance Between Self-Reported Hazardous Alcohol Use by the AUDIT-C and Phosphatidylethanol (PEth) Among Heavy Drinking Fisherfolk Men Living with HIV in Uganda

Doreen Tuhebwe

The Association of Caffeine Consumption and Cognitive Performance in Older Adults, with Consideration of Interindividual Variation of Caffeine Metabolism

Elizabeth Valocchi

Body Composition and Incidence of Obesity-Related Cancers Among Adults in the Hispanic Community Health Study/Study of Latinos (HCHS/SOL)

Pragnya Wanjerkhede

Investigating the Association Between Pollution Exposure and Multisystem Inflammatory Syndrome in Children Within San Diego County

Ashley Williams

Seasonal and Dietary Influences on Inflammation and Insulin Resistance in Hispanics

Alice Xayavong

MODERATOR: Tianying Wu, MD, PhD

1:00 SDSU/UCSD JOINT DOCTORAL PROGRAM EPIDEMIOLOGY PRESENTATIONS

1:00 Racial and Ethnic Disparities in Adverse Maternal and Birth Outcomes in California

Michelle Ann Caesar, MPH

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- 1:15 *Accelerometer-Measured Machine-Learned Sedentary Behavior and Mean Bout Duration in Relation to Maintaining Mobility Over 9-Year Follow-Up: The OPACH Study*
Lara Berghammer, MPH
- 1:30 *Genetically-Predicted Differential Methylation Patterns in PTSD Cases and Controls*
Jocelyn Burrridge, MPH
- BREAK** **5 minutes**
- 1:50** **ORAL PRESENTATIONS**
- 1:50 *HIV-Related Stigma and Distance to Care in Uganda*
Elsa Ghebrendrias
- 2:05 *Seasonal Impacts on Key Biomarkers of Aging Among the Women's Health Initiative Cohort*
Jamie-Lynn Yumul
- 2:20 *Regional Disparities in Pregnancy and Birth Outcomes: A California-Based Retrospective Cohort Study Comparing Latin America- and Caribbean-Born Individuals by Region of Origin to US-Born Counterparts*
Salma Iraqi
- 2:35 *Association of Mild Traumatic Brain Injury and Risk of Musculoskeletal Injury Among United States Service Members*
Alexander Ivan B. Posis, PhD
- 2:50** **CLOSING REMARKS**

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MEET THE INVITED SPEAKERS



Dr. Jack A Gilbert (*Keynote*) is a Professor in Pediatrics and the Scripps Institution of Oceanography at University of California, San Diego, as well as the Associate Vice Chancellor for Marine Science and Director of the Microbiome and Metagenomics Center. Dr. Gilbert uses molecular analysis to test fundamental hypotheses in microbial ecology. He cofounded the Earth Microbiome Project and American Gut Project and has authored more than 450 peer reviewed publications and book chapters on microbial ecology, including “Dirt is Good”, a popular science guide to the microbiome and children’s health.



Dr. Yu Ni is an epidemiologist who has dedicated herself to understanding how key environmental exposures impact maternal and child health. Most of her current research is based on the NIH ECHO (Environmental Influences on Child Health Outcomes) program. Dr. Ni has a strong commitment in her work to 1) quantify the impacts of air pollution exposures and endocrine disrupting chemicals on pregnancy outcomes, child cardiometabolic health and neurodevelopment; and 2) determine modified effects of environmental exposures by social and built environmental factors, seeking to identify vulnerable subgroups.



Dr. Jose Ricardo Suarez is the Division Lead of the Climate and Environmental Sciences Teaching Division and the Director of the Climate and Environmental Health Research Program at the Herbert Wertheim School of Public Health at UC San Diego. His main research interests involve understanding the environmental determinants of child and adult health in vulnerable populations. He is the Principal Investigator of the NIH-funded Study of Secondary Exposures to Pesticides among Children and Adolescents (ESPINA) study and a Scientific Guidance Panel member for the California Environmental Contaminant Biomonitoring Program, appointed by Governor Gavin Newsom.

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Dr. Miguel Zavala is an Associate Professor in the School of Public Health at San Diego State University, Imperial Valley. Dr. Zavala has extensive research experience in environmental and public health relevant to underrepresented communities at the US-Mexico border region. His expertise includes the application of air quality models for the physical and chemical processes that drive air pollution, climate change impacts, evaluation of criteria, air toxics, and greenhouse gasses emissions inventories, air quality management programs, and meteorology.



Hannah Thomas, MPH is a CSTE Applied Epidemiology Fellow assigned to the County of San Diego's Epidemiology Unit and CDC's Southern Border Health and Migration Branch. She has contributed to infectious disease surveillance, public health response, and social epidemiological research at the local, state, and federal levels of public health. Her interests include surveillance of emerging infectious diseases, such as Mpox, Ebola, Chagas disease, and coccidioidomycosis; characterization of infectious disease threats to migrant farmworkers health; development of language access strategies for inclusion of individuals with limited English proficiency in public health data collection; and generation of practice-based evidence by public health agencies.