

**2025 Epidemiology Research Exchange
San Diego, California
Friday, April 25th, 2025
9:00am to 3:30pm**

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

Conference Co-Chairs:

Gretchen Bandoli, PhD, MPH, MBA
Shira Goldenberg, PhD, MSc
Humberto Parada Jr., PhD, MPH

Coordinators:

Shan Ming Gao, MS
Eric Peng, MEd
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

8:30

CHECK-IN & REGISTRATION



2025 EPI EXCHANGE AGENDA

9:00 **WELCOME REMARKS**

MODERATOR: Humberto Parada Jr, PhD, MPH

9:10 **KEYNOTE ADDRESS**

9:10 The Changing Epidemiology of Colorectal Cancer

Samir Gupta, MD, MSCS, AGAF

Professor, Department of Internal Medicine, Division of Gastroenterology
University of California, San Diego

MODERATOR: Shira Goldenberg, PhD, MSc

9:50 **DEVELOPMENTS IN CANCER EPIDEMIOLOGY RESEARCH – INVITED PANEL**

9:50 Prospects for Cancer Research in the Border Region

Maria Josse Navarro Ibarra, PhD, MS

Research Professor, Department of Nutrition
Facultad de Medicina Mexicali, Universidad Autónoma de Baja California

10:10 The Hispanic Community Health Study/Study of Latinos: The Onco-SOL Ancillary Study

Humberto Parada Jr., PhD, MPH

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

10:30 Precision Nutrition in Cancer Survivors

Tianying Wu, PhD, MD

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

BREAK **5 minutes**

10:55 **INVITED COUNTY ADDRESS**

10:55 Tijuana River Valley Sewage Emergency: Community Assessment for Public Health Emergency Response (CASPER) Results

Mark Beatty, MD, MPH

2025 EPI EXCHANGE AGENDA

Assistant Medical Director, Epidemiology and Immunization Services
Branch, Public Health Services
County of San Diego Health and Human Services Agency

11:15 ORAL PRESENTATIONS

11:15 *Structural Racism and Low-Risk Cesarean Delivery Among Black, White, and Biracial (Black/White) Individuals*

Ella Batterson

11:30 *The Association Between Cannabis Use and Suicidal Ideation Among San Diego High School Students, 2021-2022 California Healthy Kids Survey*

Jasmine Almeria

11:45 *Barriers to PSA Testing Among Black or African American Men: Sociodemographic, Healthcare Discrimination, and Disability-Related Factors*

Suraj Rajan

12:00 LUNCH

12:30 POSTER SESSION

Deep long-read sequencing of VAD-colonizing Pseudomonas aeruginosa isolate reveals low-frequency structural variants implicating phage movement and fimbrial function

Abigail Bosco

Language Concordant and Culturally Sensitive Interventions may address HPV vaccine Misperceptions among MAs and LVNs

Ana Mentado

Unintended Consequences? The Impact Of California Senate Bill 1152 On Trauma Centers Caring For Persons Experiencing Homelessness

Andrea Krzyzaniak

What it Takes to Pay the Bills: The Impacts of Student Employment on Academic Performance and Well-Being

**Catalina Jones, Fiona Fisher, Jessica Jatiram, Michelle Lupian
Raigan Johnson**

2025 EPI EXCHANGE AGENDA

The Impact of Problematic Anger on Relationship and Family Functioning in Military Couples: Findings from the Millennium Cohort Program

Cynthia LeardMann

The Effects of Extreme Temperatures on Mental Health in California

David Du

Making Ends Meet: How UC San Diego Students Pay for their Education and Overcome Financial Gaps

Derrick Cha, Jackie Aviles, Lindsey Ruiz, Maddie Alford, & McKayla Dasha Sarmiento

Financial Literacy Among Undergraduates at UCSD

Elsa Schmidt, Jiawei Yao, Mason Schaerer, Sarah Plummer, & Shiv Puliady

Risk Factors for Extended Spectrum Beta Lactamase Producing E. coli UTIs Among Infants Within the First Ninety Days of Age

Evan Senti

Sex Differences in Cannabis Use: Exploring the Role of Sexual and Gender Minority Identity

Gino Acevedo

Optimizing Random Forest Hyperparameters for Disease Prediction: A Theoretical and Empirical Analysis of Variance Scaling in Disease Prediction Datasets

Imani Beckett

Posttraumatic Stress Disorder and Depression Trends among Post-9/11 Veterans, 2001-2021: Findings from the Millennium Cohort Study

Judith Harbertson

Osteochondral Allograft Transplantation of the Knee: Effect of Donor and Recipient Blood Type and Rh Factor Matching on Graft Survivorship

Julie McCauley

Precipitation Shifts and the Seasonality of Coccidioidomycosis in San Diego Regions from 2004-2023

Kara Howard

2025 EPI EXCHANGE AGENDA

Bridging the Gap: The Impacts of Financial Insecurity on Student Wellbeing at UC San Diego

Karla Garcia, Leanne Liaw, Mark Lee, Melanie Gallegos Martin, & Melissa Lupian

En Busca de Provecho: Exploring the Relationship Between Food Deserts and Gestational Diabetes Mellitus Among Latinas

Leticia Camacho

The Role of Lung Ultrasound and CAD in the Emergency Department in patients with ARD: a Retrospective Chart Review of Patient Outcomes

Nolan Premack

Prevalence and Risk Factors of Injuries Among Hobbyist Woodworkers at the San Diego Fine Woodworkers Association

Samvel Gaboyan & Natalie Kaplanyan

Ego-Network Characteristics of Individuals Diagnosed with Gonorrhea and Chlamydia in Southern Nevada

Vanessa Davila-Conn

Disparities in Emergency Department Discharge Rate due to COVID-19 by Social Vulnerability at the Community Level in San Diego County

Vidya Purushothaman

MODERATOR: Happy Araneta, PhD, MPH

1:30 SDSU/UCSD JOINT DOCTORAL PROGRAM EPIDEMIOLOGY PRESENTATIONS

1:30 Types of Social Support and Mental Health among Sex Workers in Vancouver, Canada: An Analysis of a Community-Based Cohort
Hannah Barca

1:45 Severe Maternal Morbidity and Hypertensive Disorders of Pregnancy Among Women with Intellectual Disabilities: A Population-Based Study
Rita Ryu

2025 EPI EXCHANGE AGENDA

2:00	<i>Unraveling Academic Collaborations: Leveraging Multiple Social Network Analysis Approaches to Examine Individual and Organizational Partner Dynamics</i> Jaskaran Singh Cheema
2:15	<i>Physical Activity Response to Wildfire Smoke</i> Lizzy Mikita
BREAK	5 minutes
MODERATOR:	Gretchen Bandoli, PhD, MPH, MBA
2:35	ORAL PRESENTATIONS
2:35	<i>Maternal Prepregnancy Smoking and Low Birth Weight in Low-Income Mothers</i> Malia Pandes & Chris Xu
2:50	<i>Food and Housing Insecurity: Impacts of HIV/STI Risk and Variations By Working Conditions and Police Harassment in a Cohort of Sex Workers in Vancouver, Canada (2010-2024)</i> Kayla Saadeh
3:05	CLOSING REMARKS

2025 EPI EXCHANGE AGENDA

MEET THE INVITED SPEAKERS



Dr. Samir Gupta (*Keynote Speaker*) is a Professor of Medicine at the University of California San Diego, and Staff Physician at the Jennifer Moreno Department of Veterans Affairs San Diego Healthcare System. His research focuses on the screening and prevention of colorectal cancer. This work has included multiple randomized trials of strategies to boost colorectal cancer screening participation in underserved communities, as well as large scale epidemiologic studies of strategies to prevent cancer after baseline colonoscopy with polypectomy, funded by the National Cancer Institute, Department of Veterans Affairs, and others. He serves as chair of the National Comprehensive Cancer Network's annually issued Genetic/Familial High-Risk Assessment: Colorectal, Endometrial, Gastric cancer guidelines, and led the 2020 US Multisociety Task Force on Colorectal Cancer recommendations for follow up after colonoscopy and polypectomy. Dr. Gupta is an active teacher and mentor, and his medical practice includes performing routine GI procedures, and evaluation and management of individuals at increased risk for GI cancer based on family history and genetic diagnoses.



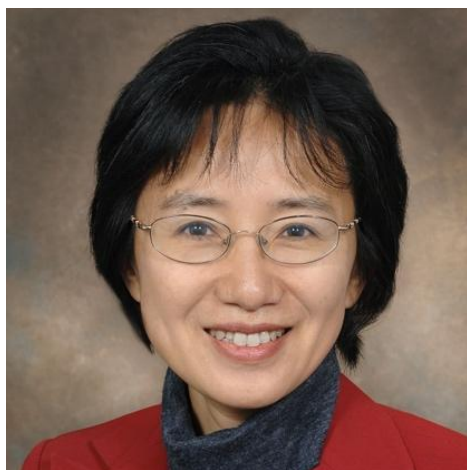
Dr. Maria Josse Navarro-Ibarra (*Invited Panel*) is a Research Professor at the Mexicali Faculty of Medicine, Universidad Autónoma de Baja California where she oversees the master's program in Nutritional Sciences. Additionally, Dr. Navarro-Ibarra serves as an Adjunct Assistant Professor in the Division of Epidemiology at the San Diego State University School of Public Health. Her research primarily investigates nutritional risk factors, lifestyle behaviors, and environmental exposure biomarkers related to non-communicable diseases. In addition to leading a research group dedicated to translational nutrition, Dr. Navarro-Ibarra also co-leads the Crossborder Translational Cancer Research Alliance (CANTRAC).

2025 EPI EXCHANGE AGENDA



understanding these associations within the context of health disparities, particularly among US Hispanics/Latinos.

Dr. Humberto Parada Jr (*Invited Panel*) is an Associate Professor at the San Diego State University School of Public Health, and Head of the Division of Epidemiology and Biostatistics. Dr. Parada obtained his PhD in Epidemiology from the University of North Carolina at Chapel Hill in 2016 and joined SDSU as Assistant Professor in 2017 after completing a postdoctoral fellowship in the UNC Lineberger Comprehensive Cancer Center and the UNC Department of Epidemiology. His research focuses on identifying environmental, behavioral, and genetic factors that influence the development and progression of cancer, and



Dr. Tianying Wu (*Invited Panel*) is an Associate Professor at the San Diego State University School of Public Health. Dr. Wu is a molecular and nutritional epidemiologist with a strong passion for precision nutrition and medicine. Her research is dedicated to uncovering how dietary and lifestyle factors differentially impact aging-related outcomes across diverse population subgroups. She investigates these variations by integrating underlying physiological and subclinical conditions, as well as demographic differences among individuals, including cancer survivors, who experience accelerated aging compared to the general population.



Diagnostics after his time at the Institute.

Dr. Mark Beatty (*Invited County Address*) is the Assistant Medical Director of Epidemiology and Immunization Services at the County of San Diego Health and Human Services Agency. Prior to his work at the County, Dr. Beatty was a US Public Health Service Officer, serving two years with the Navajo Nation in Crownpoint, New Mexico and six years with the Centers for Disease Control and Prevention as an Epidemic Intelligence Service (EIS) officer. During his time at the International Vaccine Institute in Seoul, South Korea, Dr. Beatty focused his research on global health and vaccines and continued to lead global clinical influenza vaccine trials at Novartis Vaccines and