



NHSN 24th Annual International Conference

Vulnerability AND Resilience:

The Interplay of Factors that Shape Health in Hispanic/Latino Communities

October 3 – 5, 2024

Thursday, October 3

11:00 AM

Registration begins

12:00 PM – 1:30 PM

Career Development Session - Grant Writing Luncheon: Demystifying the NIH Center for Scientific Review

Chairs: **Angel B. Algarin, PhD, MPH**, Assistant Professor, Arizona State University Edson College of Nursing and Health Innovation

Margarita Monge, Research & Grant Program Coordinator, UC Riverside School of Medicine

Presenter: **Izabella Zandberg, PhD**, Scientific Review Officer, Clinical Care and Health Interventions Review Branch, Division of AIDS, Behavioral, and Population Sciences, Center for Scientific Review, National Institutes of Health

In this luncheon we will hear from Scientific Review Officer, Dr. Izabella Zandberg as she provides information to help to demystify the NIH Center for Scientific Review and answer member questions. During the second portion, members at each table will engage in discussions surrounding early career grant writing and trajectories to support training and networking.

1:45 PM – 3:15 PM

From Vision to Impact: NHSN's Founders' Perspective on the Future of Latino Addiction Research

Chairs: **Alice Cepeda, PhD**, Associate Professor, Suzanne Dworak-Peck School of Social Work, University of Southern California

Avelardo Valdez, PhD, Professor of Practice, Policy, Research and Advocacy for the Latino Population, Suzanne Dworak-Peck School of Social Work, University of California

Presenters: **Ana Anders, PhD**, Independent Peoplesoft Consultant

Mario De La Rosa, PhD, MSSA, Distinguished Professor, Endowed University Professor in Health Equity, Director Center for Research on US Latino HIV/AIDS and Drug Abuse, Stempel College of Public Health and Social Work, Florida International University

J. Bryan Page, PhD, Professor, University of Miami

Daniel Santisteban, PhD, Professor, University of Miami; Director, Dunspaugh-Dalton Community & Educational Well-Being Research Center (CIFFTA)

Jose Szapocznik, PhD, Chair Emeritus, Professor, Director of the Center for Family Studies, University of Miami

The panel will discuss the impact the NHSN has had on addiction research among U.S. Latino populations. Panelists will share their views on the past, present, and future of addiction research. The importance of sustaining the research and career pipeline for those conducting research on health disparities will also be addressed.

3:30 PM – 5:00 PM

Scientific Session: How Sex and Gender Impact Latina Health

Co-Chairs: **Laura O'Dell, PhD**, Professor of Psychology and Associate Vice President for Research, The University of Texas at El Paso



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Xenia Tigno, PhD, MS, Associate Director for Careers, Office NIH Office of Research on Women's Health, National Institutes of Health

Presenters: **Patricia Silveyra, MSc, PhD, ATSF**, Professor and Chair of Environmental and Occupational Health, Indiana University Bloomington School of Public Health

Sex, Hormones, and Women's Health: Lessons Learned from Inhalation Toxicology Studies

Kiara Alvarez, PhD, Assistant Professor of American Health, Johns Hopkins Bloomberg School of Public Health

Mental Health Disparities Affecting Latinas: Social, Developmental, and Environmental Factors

Heather A. Bimonte-Nelson, PhD, President's Professor, Arizona State University

Ending Disparity Cycles by Embracing Reproductive Cycles: The Ovary-Uterus-Brain Connection Impacts Functional Outcomes Across the Lifespan

This transdisciplinary panel brings together a group of women scientists and leaders who are focused on advancing research that will promote women's health and mitigate health disparities. The continued lack of medical research including women and gender diverse individuals has yielded a marked knowledge gap in health factors, including, but not limited to, disease symptomology, diagnosis, and treatments. Indeed, extraordinary health challenges are faced by women not only because of biological sex, but also due to gender-based environmental, emotional and physical distress. Our panelists will discuss how inherent or acquired factors intersect and impact Latina health. Dr. Patricia Silveyra will discuss the role of gonadal hormones in shaping responses to inhaled environmental toxicants that lead to greater disease susceptibility, inflammatory and immune responses, and worsening of pre-existing conditions in women. Then, Dr. Kiara Alvarez will describe the array of factors that impact mental health equity for women, with a particular focus on Latinx and immigrant youth and their families. Lastly, Dr. Heather Bimonte-Nelson will discuss her pre-clinical work that has led to a deeper understanding of biological factors, from gynecological surgery variants and ovarian hormone shifts that can regulate cognitive processing in females across the lifespan. Indeed, the midlife time period in females is especially sensitive to these transitions, and is a time when women experience marked increases in depression, anxiety, and substance abuse. The co-chairs Drs. Laura O'Dell and Xenia Tigno will summarize how various factors disproportionately impact women, and how this information can be integrated into future research focused on reducing health disparities in women.

5:00 PM – 6:00 PM

Career Development: Poster Session 1 – Sponsored by Texas Tech College of Arts & Sciences

Organizers: **Danielle Levitt, PhD**, Assistant Professor, Texas Tech University

Eric Parise, PhD, Instructor, Icahn School of Medicine at Mount Sinai

Gira Ravelo

Cho Hee Shrader, PhD, Postdoctoral Scholar, Arizona State University

7:00 PM – 9:00 PM

Awards Dinner Dance

Location: **Maypop Restaurant**

611 O'Keefe Avenue, New Orleans



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Friday, October 4

8:00 AM

Breakfast

8:30 AM – 10:00 AM

Career Development – New Investigators in Drug Use Research

Chairs: **John Salerno, PhD, MPH**, Postdoctoral Scientist, Columbia University

Alejandro Torres, PhD Candidate, Oklahoma State University Center for Health Sciences

Presenters: **Angel B. Algarin, PhD, MPH**, Assistant Professor, Arizona State University Edson College of Nursing and Health Innovation

Examining Stigma Resistance Among Latino Men Who Have Sex with Men: Psychometric Properties of an Adapted Scale in San Diego, California

Zaidmara Diaz, MD/MPH Candidate, LSU Health Sciences Center, New Orleans

Differential Effect of Chronic Binge Alcohol Administration on Glycolytic Enzymes in Skeletal Muscle, Myoblasts, and Myotubes of SIV-Infect Female Macaques

Zahid Garcia Lopez, PhD Candidate, San Diego State University

Efficacy of a 12-week Family-Bases health Lifestyle Program on Food Practices in Latino Families: The Athletes for Life Program

Lyonna Parise, PhD, Instructor, Icahn School of Medicine at Mount Sinai

Neutrophil Elastase Modulation of Stress-Reactivity and Its Association with Antidepressant Treatment

10:15 AM – 11:15 AM

Plenary Presentation

Presenter: **Adriana Galvan, PhD**, Professor of Psychology, Dean, Division of Undergraduate Education, University of California Los Angeles

11:30 AM – 12:30 PM

Membership Luncheon

12:40 – 2:10PM

Scientific Session: Advancing Our Understanding of Biopsychosocial Factors that Affect the Health of Hispanic Communities

Co-Chairs: **Flavia Barbano, PhD**, Staff Scientist, National Institute on Drug Abuse

Miguel Cano, PhD, MPH, Associate Professor, School of Public Health, University of Texas Southwestern Medical Center

Presenters: **Jeannie B. Concha, PhD, MPH**, Associate Professor, University of Texas at El Paso

Leveraging Indigenous Knowledge and Culture to Engage Hispanic/Latino Communities

Eva Moya, PhD, LMSW Chair and Professor, University of Texas at El Paso

Lessons Learned in Advancing Health Equity on the US-Mexico Border



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Erik J. Rodriguez, PhD, MPH, Health Scientist Administrator, Office of Disease Prevention, National Institutes of Health

Using Allostatic Load to Understand the “Chronic Stress-Health Behavior-Mental Health” Relationship

The biopsychosocial model, conceptualized by George Engel in 1977, suggests that to understand a person’s medical condition other factors than just physiology must be considered. Indeed, psychological factors such as emotions or perceptions and social factors such as the environment or the patient’s relationships, along with biological factors such as genetics or nutrition, are determinants of illness and health. This session will highlight research on biopsychosocial factors that have an impact on health and wellness among Hispanics, and how they can help us achieve health equity by understanding their dynamic interplay. Speakers will cover the importance of incorporating indigenous knowledge to the current Western biopsychosocial models, as well as the interplay between education and community engagement to promote and advance health equity in Hispanic communities

2:20 PM – 3:50 PM

Scientific Session: Advancing Health Equity: The Science of Environmental and Protective Factors

Co-Chairs: **Marvin Diaz, PhD**, Associate Professor, Binghamton University

Eden Robles, PhD, MSW, Assistant Professor, Our Lady of the Lake University

Presenters: **Lissette Saavedra, PhD**, Senior Research Psychologist, RTI International

Lara A. Ray, PhD, Professor of Psychology & Psychiatry, University of California, Los Angeles

Equitable Treatment Development for Addiction via Inclusive Clinical Trials

Mary Kay Lobo, PhD, Professor, University of Maryland

This transdisciplinary session will explore the intersection of strength-based approaches with environmental and protective factors. The presenters will focus on empirical evidence, data-driven insights, and evidence-based practices that emphasize strengths and resilience in Hispanic populations. This session will cover research findings that discuss 1) the efficacy of strength-based interventions; 2) individual and community resilience and the role of social, cultural, and physical environments; 3) protective factors; and 4) implementation strategies in the clinical, educational, and community context.

4:00 PM – 5:30 PM

Scientific Session: Alcohol and Whole-Person Health Throughout the Lifespan

Co-Chairs: **Danielle Levitt, PhD**, Assistant Professor, Texas Tech University

Mariana Sanchez, PhD, Associate Professor, Florida International University

Bridget Williams-Simmons, PhD, Director, Office of Science Policy & Communications/Associate Director for Basic Research, National Institute on Alcohol Abuse and Alcoholism

Presenters: **Leon G. Coleman, Jr, MD, PhD**, Assistant Professor of Pharmacology, University of North Carolina at Chapel Hill

Alcohol and Alzheimer’s Disease: Heavy Use Earlier in Life Promotes Pathology Later in Life

Berenice Castillo, MSW, PhD, Assistant Professor, Florida International University

Seth Schwartz, PhD, Professor, University of Texas at Austin



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Alcohol is the most commonly misused substance worldwide. In addition to adverse effects on whole-body physiological health, alcohol misuse imparts adverse effects across multiple domains including interpersonal stress on the families and communities of affected individuals. Moreover, health impacts of alcohol misuse can indirectly or directly affect individuals of any age and may present differently throughout the lifespan. Hispanic/Latinos are also disproportionately impacted by the adverse effects of alcohol misuse. This session will take a lifespan approach to examine whole-person health impacts of alcohol (individual, family, community, population) relevant to Hispanic/Latino communities, and will identify strategies for resiliency from therapeutic, behavioral, and policy perspectives.

7:00 PM – 9:00 PM

ECLC Mixer Sponsored by Dr. Taylor Joo and Enhanced Interdisciplinary Research Training Institute (eIRTI)

Location: **Brewery Saint X**
734 Loyola Avenue, New Orleans

Saturday, October 5

8:00AM

Breakfast

8:30 AM – 9:30 AM

Career Development: Poster Session 2 - Sponsored by Texas Tech College of Arts & Sciences

Organizers: **Danielle Levitt, PhD**, Assistant Professor, Texas Tech University
Eric Parise, PhD, Instructor, Icahn School of Medicine at Mount Sinai
Gira Ravelo
Cho Hee Shrader, PhD, Postdoctoral Scholar, Arizona State University

9:45AM – 10:45AM

Plenary Presentation

Presenter: **Patricia Arean, PhD**, Director, Division of Services and Intervention Research, National Institute of Mental Health

Career Development Breakout Sessions

10:55AM – 11:55AM

Session 1 – Neuroscience Datablitz

Chairs: **Sergio Iñiguez, PhD**, Professor of Psychology, The University of Texas at El Paso
Arturo Zavala, PhD, Professor of Psychology, California State University, Long Beach

Presenters: **Daniel Calvo**, Graduate Student, University of Texas at El Paso
The Role of Aggression in the Acquisition of a 5-Choice Serial Reaction Time (5-CSRT) Task in Retired CD-1 Male Mice
Xavier Chapa-Dubocq, PhD, Postdoctoral Fellow, LSU Health Sciences Center New Orleans
Post Traumatic Brain Injury Alcohol Accentuates Neurobehavioral Outcomes; Potential Role of Altered Bioenergetics in the Prefrontal Cortex



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Liliana Maynez-Anchondo, Graduate Student, The University of Texas at El Paso

Effects of Adolescent Nicotine Vapor Exposure on Nicotine Intake and Withdrawal in Adulthood

Ana Miranda Tapia, PhD, Postdoctoral Fellow, National Institute on Drug Abuse

Bariatric Surgery Restores Changes on LHVGLUT2 Neurons Induced by High Fat Diet

Nathan Vardeleon, BA, PhD Candidate, Texas A&M University

Alprazolam Withdrawal Induces Behavioral Despair and Addiction Related Gene Signaling in the Anti-Reward Pathway of Adult Mice

This breakout session will offer basic scientists the opportunity to share their exciting discoveries in the field of neuroscience that expand our understanding of the brain, and of drug abuse and addiction. The goals of this breakout session are to highlight the latest work of basic scientists with the NHSN community; to provide an opportunity for discussion with other scientists with similar interests; and to facilitate the development of collaborations among NHSN members.

Session 2 – Social and Behavioral Science Datablitz

Chairs: **Tara Bautista, PhD**, Assistant Professor, Department of Psychological Sciences, Northern Arizona University

Nalini Negi, PhD, MSW, Associate Professor, School of Social Work, University of Maryland, Baltimore

Presenters: **Aldo Barrita, PhD**, Dean's Research Associate, Michigan State University

Internalizing the Hate: Experiences of LatinX College Students Subjected to Immigration Related Oppression

Melissa Ertl, PhD, Assistant Professor of Psychology, University of Minnesota – Twin Cities

Intersectional Discrimination, Resistance-Coping, and Drug use Frequency Among Latiné Sexual Minority Adults

Alyssa Lozano, PhD, Research Assistant Professor, University of Miami

Intersecting Identities Among Hispanic Sexual Minority Youth and Their Relationship with Drug Use and Depressive Symptoms

Emily Lemon, PhD, MPH, Assistant Professor, UT Health Houston School of Public Health

Who is LatinX? The Impact of Misclassification of Racial/Ethnic Identity Among US-Born Youth on Suicidal Ideation Disparity Estimates in a National Sample

Pablo Montero-Zamora, PhD, Assistant Professor, The University of Texas at Austin

Pathways to Prevention: Exploring the Cascade Effects of Cultural Stress on Latino Parents' Willingness to Participate in Alcohol-Focused Prevention

John Salerno, PhD, MPH, Postdoctoral Scientist, Columbia University

Alcohol Use and Adverse Childhood Experiences: Effects on PTSD Symptoms Among First-Generation LatinX Immigrant Youth from the Northern Triangle

This breakout session will offer social and behavioral scientists the opportunity to share their exciting and most recent discoveries in social and behavioral science that expand our understanding of Hispanic health disparities.

The goals of this breakout session are:

- To highlight the latest work of social and behavioral scientists with the NHSN community.
- To provide an opportunity for discussion with other scientists with similar interests.



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- To facilitate the development of collaborations among NHSN members.

12:00PM – 1:00PM

Community Engagement Session: Community Based Approaches and Engagement Strategies for Neuroscience and Social Sciences

Chairs: **Tara Bautista, PhD**, Assistant Professor, Department of Psychological Sciences, Northern Arizona University

Luis Natividad, PhD, Assistant Professor, The University of Texas at Austin

Presenters: **Ian Mendez, PhD**, Assistant Professor, University of Texas at El Paso

Teresa Ramirez, PhD, Program Manager, ecoLatinos

Emma Torres, MSW, Chief Executive Officer and Founder, Campesinos Sin Fronteras

This one-hour session will have experts from neuroscience, social science, and STEAM academic and non-profit organizations present their community engagement strategies for ensuring Hispanic/Latino representation in health sciences and overall in STEAM. They will discuss recruiting, engaging, training, and retaining diverse students (K-college and graduate school), faculty, scientists, and participants in a variety of settings and across scientific disciplines and research foci.

1:00PM

Closing

**Schedule subject to change*



NATIONAL HISPANIC SCIENCE NETWORK

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National Institute
on Drug Abuse



National Institutes of Health
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Interdisciplinary Research Training
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