



Addressing Health Disparities in Central Nervous System Disorders

A Workshop Series

Virtual Workshop #1 – Structural and Social Determinants of Risk

Thursday, April 13 – 11:00am–1:00pm (ET)

WORKSHOP SERIES OBJECTIVES

This public workshop series will bring together experts and key stakeholders from academia, industry, government, philanthropic foundations, and disease-focused non-profit organizations to examine health disparities in central nervous system (CNS) disorders; further understand the underlying causal factors when race and ethnicity are used as proxy measures; and discuss open research questions, policy implications, and opportunities to move the field forward in an ethical manner.

Invited presentations and discussions may:

- Review the current state of knowledge regarding health disparities in CNS disorders and the evidence needed to address gaps in understanding, including in areas that are undervalued/neglected as a reflection of the current makeup of the neuroscience research workforce.
- Explore available evidence on the impact of psychosocial and environmental factors (e.g., exposure to environmental toxins, racism, and discrimination) on CNS disorders and how they contribute to health disparities.
- Consider models of research approaches and other models designed to enable better inclusion of underrepresented and excluded populations throughout the entire research and development trajectory for CNS disorders to generate more robust, generalizable, and equitable findings; highlight case studies and available evidence of their effectiveness.
- Explore potential multidisciplinary collaborations—for example among basic mechanistic science, cognitive neuropsychology, epidemiology, and technology development—to further elucidate these topics and rigorously combine methods in their respective fields.

THURSDAY, APRIL 13, 2023 (All times listed in ET)

11:00-11:05am

Welcome and Workshop Series Overview

YASMIN HURD, Icahn School of Medicine at Mount Sinai; *Workshop Co-chair*

JOHN KRYSTAL, Yale School of Medicine; *Workshop Co-chair*

Co-chair, Forum on Neuroscience and Nervous System Disorders

11:05-11:20am

Keynote Talk: Health Disparities in Central Nervous System Disorders: Understanding the Role of Weathering, Biological Aging, and Intersectionality

DAVID WILLIAMS, Harvard University

11:20-12:05pm Session 1: Neighborhood and Built Environment

- Examine the available evidence of the mechanisms and impact of structural and environmental factors on risk and outcomes of CNS disorders and biological aging.
- Explore evidence-based resources, opportunities, and interventions to reduce health and safety risks associated with the natural and built environment.

11:20-11:25am Session Overview

JENNIFER MANLY, Columbia University, *Planning Committee Member, Session Moderator*

11:25-11:45am Speakers

DANIEL HACKMAN, University of Southern California; *Planning Committee Member*

BERNADETTE BODEN-ALBALA, University of California Irvine

DAYNA JOHNSON, Emory University

MICHAELA MARTINEZ, WE ACT for Environmental Justice

11:45-12:05pm Moderated Panel Discussion and Audience Q&A

12:05-12:10pm BREAK

12:10-12:55pm Session 2: Social and Community Context

- Discuss available evidence on the impact of psychosocial mechanisms and community engagement on CNS disorders and how they contribute to health disparities.
- Explore evidence-based resources, opportunities, and interventions to reduce health and safety risks associated with social and community support.

12:10-12:15pm Session Overview

LILYANA AMEZCUA, University of Southern California; *Planning Committee Member; Session Moderator*

12:15-12:35pm Speakers

SPERO MANSON, University of Colorado; *Planning Committee Member*

KATE MC LAUGHLIN, Harvard University

MONICA RIVERA MINDT, Fordham University

JASON MENDOZA, Biogen

JON STRUM, RealTalk MS

12:35-12:55pm Moderated Panel Discussion and Audience Q&A

12:55-1:00pm Workshop Recap and Closing Remarks

YASMIN HURD, Icahn School of Medicine at Mount Sinai; *Workshop Co-Chair*

JOHN KRISTAL, Yale University; *Workshop Co-Chair, Co-chair, Forum on Neuroscience and Nervous System Disorders*