



## IMPROVING CHRONIC DISEASE OUTCOMES THROUGH APPROACHES THAT ADDRESS SOCIAL DETERMINANTS OF HEALTH

Wednesday, July 22, 2020, 2:00 p.m. – 3:00 p.m. Eastern Time

### FEATURING:



**Marie Lynn Miranda,  
Ph.D.**

*Professor of Applied and  
Computational Mathematics  
and Statistics*  
University of Notre Dame

Dr. Miranda is a leader in the rapidly evolving field of geospatial health informatics, and she has applied

spatial analytic approaches to a wide range of scientific issues, with an emphasis on how social and environmental exposures jointly drive health disparities. She will discuss racial residential segregation (RSS), which has been linked to a series of health and educational disparities in the United States. Using a local spatial measure of racial isolation (RI), one dimension of RSS, she will show how patterns of segregation have changed over space and time across the continental United States. Her presentation will attempt to shift the debate around health disparities from using race, a non-modifiable factor, as an explanatory variable to the experience of racial minorities, which is modifiable, as a key driver of disparities. These sorts of indices are critical to addressing the variety of racial injustices, which have long been present but have been more recently starkly revealed to the American public.



**Leah H. Rubin, Ph.D.,  
M.P.H.**

*Associate Professor of Neurology,  
Psychiatry and Behavioral Sciences,  
and Epidemiology*  
Johns Hopkins University

Dr. Rubin's work is dedicated to improving the cognitive and mental health of a number of vulnerable

populations, including women and men living with HIV—both nationally and, more recently, internationally—individuals with serious mental illness, people with dementia, and those with traumatic brain injury. She will discuss how key social determinants are important contributors to central nervous system (CNS) function in people with HIV. Her presentation will include a discussion of these social determinants and the neurobiological mechanisms that may contribute to social determinant-related CNS dysfunction. Additionally, data and discussion will be included to show how we are capitalizing on technology in the context of routine clinical HIV care to assess mental and cognitive health, which may prove useful for practicing clinicians to improve the overall health of people with HIV.

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### ORWH's UNDERSTUDIED, UNDER-REPRESENTED, AND UNDERREPORTED (U3) WOMEN'S HEALTH LECTURE SERIES

ORWH's U3 Administrative Supplement Program funds interdisciplinary research to address the influences of sex and gender on health at the intersection of social determinants. The program focuses on critical research gaps and opportunities in populations of women that are understudied, underrepresented, and underreported in biomedical research. Through its U3 Women's Health Lecture Series, ORWH hosts

events that are designed to stimulate interest in the complex issues affecting the health of women, such as influences of community attributes on health. Visit the [U3 Interdisciplinary Research](#) webpage for more information.

**To participate in this webinar, please register [here](#).**

Sign language interpreting services are available upon request. Individuals who need interpreting services and/or other reasonable accommodations to participate in this event should contact Leika Inniss at [ORWHComms@od.nih.gov](mailto:ORWHComms@od.nih.gov) or 240-541-4764 or through the Federal Relay (800-877-8339). Requests should be made at least 5 days in advance of the event.





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### AGENDA

- 2:00 – 2:03 p.m.** **Welcome**  
Janine A. Clayton, M.D.  
Associate Director for Research on Women's Health, NIH  
Director, NIH Office of Research on Women's Health (ORWH)
- 2:03 – 2:06 p.m.** **U3 Program Overview and Meeting Topic Introduction**  
Damiya Whitaker, Psy.D., M.A.  
Health Scientist Administrator, ORWH
- 2:07 – 2:10 p.m.** **Speaker Introduction: Dr. Leah Rubin**  
Rajasri Roy, Ph.D., M.P.H.  
Health Scientist Administrator, ORWH
- 2:11 – 2:23 p.m.** ***Social determinants of central nervous system (CNS) dysfunction in research and clinical practice: a lesson from HIV***  
Leah H. Rubin, Ph.D., M.P.H.  
Associate Professor of Neurology, Psychiatry and Behavioral Sciences, and Epidemiology  
Johns Hopkins University
- 2:24 – 2:27 p.m.** **Speaker Introduction: Dr. Marie Lynn Miranda**  
Rajasri Roy, Ph.D., M.P.H.  
Health Scientist Administrator, ORWH
- 2:28 – 2:40 p.m.** ***Assessing Residential Segregation's Role in Shaping Health and Well-Being***  
Marie Lynn Miranda, Ph.D.  
Professor of Applied and Computational Mathematics and Statistics  
University of Notre Dame
- 2:40 – 2:57 p.m.** **Question-and-Answer Session**  
Damiya Whitaker, Psy.D., M.A.  
Health Scientist Administrator, ORWH
- 2:58 – 3:00 p.m.** **Closing Remarks**  
Damiya Whitaker, Psy.D., M.A.  
Health Scientist Administrator, ORWH  
  
Rajasri Roy, Ph.D., M.P.H.  
Health Scientist Administrator, ORWH

