



ALCOHOL, GUT-DYSBIOSIS, INFLAMMATION, AND NON-AIDS DISEASES AMONG PEOPLE WITH HIV

9:00 AM - 3:00 PM, Saturday, June 25, Orlando, Florida, USA

Organizers:

Matthew Freiberg M.Sc., M.D.

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Shirish Barve Ph.D.

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This satellite will address the following: The role of the gut microbiome among people with HIV who consume alcohol.

Participants will learn about the relationship between alcohol intake and gut dysbiosis among people with HIV. We will examine how alcohol impacts the gut microbiome and how gut dysbiosis in this population is associated with biomarkers of inflammation and gut derived metabolite profiles including trimethylamine N oxide (TMAO) from the peripheral circulation. Additional studies will examine gut dysbiosis as it relates to the alcohol associated syndemic (i.e., heavy drinking, smoking, and depression), neurocognitive changes, and liver disease among people living with HIV.

Participation in this symposium is free of charge but will be limited to the first 50 registrants. The detailed program schedule is provided below. If you would like additional information or have questions regarding the symposium, please contact **Emily Smith** at: emily.k.smith@vumc.org.

Please register to attend by May 1, 2022: <https://redcap.link/METAHIVCVDRSA>

9:00 – NIAAA Welcome

Kendall Bryant, PhD

Director, Alcohol and AIDS Research, National Institute on Alcohol Abuse and Alcoholism

9:15 – Alcohol and the Gut Microbiome in People with HIV: An Overview

Matthew Freiberg, MD MSc

Professor of Medicine, Dorothy and Laurence Grossman Chair in Cardiology, Division of Cardiovascular Medicine, Vanderbilt University Medical Center

9:30 – Salient Pathogenic Features of Gut Microbial Dysbiosis in People Living with HIV (PLWH) with Hazardous Drinking

Shirish Barve, PhD

Professor of Medicine, Distinguished Scholar, Division of Gastroenterology, Hepatology, and Nutrition, University of Louisville

10:00 – Gut-Dysbiosis and Gut-Derived Metabolites in People Living with HIV (PLWH) with Hazardous Drinking

Smita Ghare, PhD

Assistant Professor of Medicine, Division of Gastroenterology, Hepatology, and Nutrition, University of Louisville

10:30 - Coffee break

10:45 - The association between heavy alcohol consumption and trimethylamine-n-oxide in people living with HIV in St Petersburg Russia

Kaku So-Armah, PhD

Research Assistant Professor, Clinical Addiction Research and Education (CARE) Unit, Boston University School of Medicine

11:15 - Does Trimethylamine-n-oxide contribute to echocardiographic features of alcohol-related heart failure in people with HIV?

Samuel Mensah, MD

Research Coordinator, Clinical Addiction Research and Education (CARE) Unit, Boston University School of Medicine

11:45 – Behavioral Health Syndemics and the Gut Microbiome Among People Living with HIV

Natalie Chichetto, PhD, MSW

Assistant Professor, Department of Epidemiology, University of Florida

12:00 – Lunch Break

12:45 – HIV and Alcohol Associated Reductions in Butyrate are Associated With Reduced Neural Metabolites and Poorer Cognition

Vaughn Bryant, PhD, ScM

Department of Pharmacology C-236, University of Colorado Health Sciences Center, Denver, CO, USA

1:15 – Defining the Pathogenesis of HIV-Associated NAFLD

Curtis Gabriel, MD PhD

Instructor, Division of Gastroenterology, Hepatology, and Nutrition, Vanderbilt University Medical Center

1:45 – Panel Discussion

Moderated by Shirish Barve

2:45 – Closing