

Alcohol Abuse Co-morbidities & Triggers for Addiction

June 25, 2016

8:00 a.m. – 4:00 p.m.

LSU University Medical Center Auditorium

2000 Canal Street, New Orleans, LA 70112

This Satellite Symposium will be an offsite scientific event preceding the 2016 RSA meeting in downtown New Orleans. This Satellite Symposium will showcase New Orleans' brand new Medical Center and Veterans Administration Hospital and Research facilities and their impact on alcohol research conducted at Louisiana State University Health Sciences Center (LSUHSC). The event will be divided into two sessions. The morning session (8:00 a.m. to 12:30 p.m.) will focus on the interaction of alcohol abuse and HIV/AIDS featuring national scientists and local investigators from the LSUHSC Comprehensive Alcohol-HIV Research Center (CARC). Lunch will be served from 12:30 to 1:30 p.m., and will be accompanied by a short panel discussion by NIAAA and V.A. research leadership on shared research agendas relating to alcohol abuse and its co-morbidities. The afternoon session (1:30 p.m. to 4:00 p.m.) will showcase local and national researchers presenting the results of work focused on the neurobiology of stimuli and life events that are co-morbid with AUD, and that may trigger the development of AUD, including stress disorders, pain disorders, and adolescent alcohol exposure.

There is no registration fee for attending this event, but participants must RSVP by email to Betsy Giaimo at MGiaim@lsuhsc.edu.

Program

- 8:00-8:10 *Welcoming remarks*
Steve Nelson, M.D., Dean, School of Medicine, LSUHSC
- 8:10-8:30 *Overview LSUHSC-NO Alcohol/HIV-AIDS Research Center*
Patricia E. Molina, M.D., Ph.D., Professor & Chair of Physiology, CARC Director, LSUHSC
- SESSION 1: Alcohol & HIV: Transmission, Pathogenesis, Comorbidities, and Complications**
Co-chairs: Christopher H. Parsons, M.D., Assoc. Professor of Medicine and Microbiology, LSUHSC & Robert W. Siggins, Ph.D., Assistant Professor of Physiology, LSUHSC
- 8:30-9:00 *Interaction of Alcohol & Other Drugs of Abuse in PLWHA*
Richard Saitz, M.D., M.P.H., Professor and Chair of Community Health Sciences, Boston University School of Public Health.
- 9:00-9:30 *Relationship Between HIV infection and Micronutrient Status*
Marianna K. Baum, M.S., Ph.D., R.D., Professor, Robert Stempel College of Public Health & Social Work, Florida International University.
- 9:30-9:50 *Metabolic Comorbidities of Alcohol & SIV/HIV; Focus on Skeletal Muscle*
Liz Simon, Ph.D., Assistant Professor-Research, Department of Physiology, Louisiana State University Health Sciences Center.
- 9:50-10:10 Coffee Break
- 10:10-10:30 *miRNAs as Markers of Cognitive Decline in PLWHA*
Francesca Peruzzi, Ph.D., Associate Professor of Medicine, Department of Internal Medicine, Section of Hematology/Oncology, Louisiana State University Health Sciences Center.
- 10:30-10:50 *Intersection of Alcohol with neuroAIDS in Aging*
Sulie Chang, Ph.D., Professor & Director, Institute of NeuroImmune Pharmacology (INIP), Department of Biology, Seton Hall University
- SESSION 2: Alcohol & HIV. Transmission, Pathogenesis, Comorbidities, and Complications**
Chairs: Angela M. Amedee, Ph.D., Associate Professor of Microbiology, Immunology, & Parasitology, LSUHSC & Karina Villalba, Ph.D., Post-doc Fellow of Physiology, LSUHSC

- 10:50-11:10 *Alcohol, Nutrition & Gut-barrier Dysfunction: Potential Impact on HIV*
Craig McClain, M.D., Professor of Medicine, University of Louisville
- 11:10-11:30 *Relevance of Gut and Mucosal Immunity in SIV/HIV Pathogenesis*
Ronald S. Veazey, D.V.M., Ph.D., Professor of Pathology and Laboratory Medicine, Tulane University School of Medicine
- 11:30-11:50 *Chronic Inflammation & Immune Aging in PLWHA*
David A. Welsh, M.D., Howard A. Buechner Professor of Medicine, LSUHSC
- 11:50-12:10 *Stress, Adversity & AUDs in HIV/AIDS*
Katherine Theall, Ph.D., Associate Professor, Tulane University School of Public Health and Tropical Medicine
- 12:10 -12:30 *Concluding Remarks and Discussion*
Kendall J. Bryant, Ph.D., Director, HIV/AIDS and Alcohol Research, NIH/NIAAA
- 12:30-1:30 Working Lunch (Free for registered participants)
NIAAA & V.A. Research Priorities
George Koob, Ph.D., NIAAA Director & Joseph Constans, Ph.D., ACOS/Research, Southeast Louisiana Veterans Health Care System

SESSION 3: Stress & Pain as Triggers for Alcohol Use Disorder

Chair: Nicholas W. Gilpin, Ph.D., Assistant Professor of Physiology, Associate Director of Alcohol & Drug Abuse Center of Excellence, LSUHSC

- 1:30-1:50 *The CRH:Cre Rat as a Pre-Clinical Tool for studying Alcohol Use Disorder*
Robert Messing, M.D., Ph.D., Henry M. Burlage Centennial Professor of Pharmacy, University of Texas & Vice Provost of University of Texas Medical School
- 1:50-2:10 *Adolescent Social Isolation as a Model of Alcohol Addiction Vulnerability*
Jeffrey Weiner, Ph.D., Professor of Physiology & Pharmacology
Wake Forest School of Medicine
- 2:10-2:30 *Pain in the Context of Drug and Alcohol Addiction*
Scott Edwards, Ph.D., Assistant Professor of Physiology, LSUHSC
- 2:30-2:40 Coffee Break/Transition

SESSION 4: Adolescent Alcohol Exposure as a Vulnerability Factor for Alcohol Use Disorder

Chair: Tiffany Wills, Ph.D., Assistant Professor of Cell Biology & Anatomy, LSUHSC

- 2:40-3:00 *Regulation of GluN2B-NMDA Receptors by Adolescent Alcohol Exposure*
Tiffany Wills, Ph.D., Assistant Professor of Cell Biology & Anatomy, LSUHSC
- 3:00-3:20 *Adolescent Binge Alcohol Exposure and Prefrontal Function in Adulthood*
Judson Chandler, Ph.D., Professor of Neuroscience & Psychiatry, Medical University of South Carolina
- 3:20-3:40 *Adolescent Alcohol Use: Vulnerabilities and Consequences*
Lindsay Squeglia, Ph.D., Assistant Professor of Psychiatry, Medical Univ. of South Carolina
- 3:40-3:45 Closing remarks
Patricia E. Molina, M.D., Ph.D., Professor & Chair of Physiology, CARC Director, LSUHSC