Preliminary Program
June 6-7, 2024
University of Vermont Davis Center

June 6, 9:00 am- 3:25 PM EDT

9:00 -9:10 **Welcoming Ceremonies**
Co-Directors: Mary Cushman, MD MSc and Mark Nelson, PhD
Opening Remarks from Drs Cushman and Nelson

9:10-10:30 **Population Cardiovascular and Brain Health**
Moderator: TBN
*Donald M Lloyd-Jones, MD, ScM,* Chair, Department of Preventive Medicine, Eileen M Foell Professor of Medicine (Cardiology), and Pediatrics, Northwestern University
*Defining the Life Course of Cardiovascular and Brain Health: Mechanisms and Outcomes*
*Debora Kamin Mukaz, PhD,* Assistant Professor of Medicine
*Cardiovascular Health and Inflammation: Intersectional Impact of Structural Racism, Sexism and Classism*
*Timothy Plante, MD, MHS* Assistant Professor of Medicine
*Proteomic Signatures of Inflammation-based Hypertension*

10:30-10:45 **Coffee Break**

10:45-12:01 **Pipeline Investigator Flash Talks**
8 Talks, 5 minutes each with 3 minutes for questions
Moderators: TBN

12:01-12:45 **Lunch Break**

12:45-2:00 **Poster Session**

2:00-3:20 **Fundamental Science to Improve Brain Health**
Moderator: TBN
*Elizabeth M. C. Hillman, PhD,* Professor of Biomedical Engineering & Radiology (Physics), Department of Biomedical Engineering, Columbia University.
*Nicholas Klug, PhD,* Assistant Professor of Pharmacology
*Role of Brain Pericyte KATP Channels in Physiological Hypoxia Sensing and Deficient Blood Flow Regulation in Ischemic Small Vessel Disease*
*David Punihalo, PhD,* Assistant Professor of Chemistry
*Determining How Amyloid-β Fibril Polymorphs Influence Cellular Toxicity*

3:20-3:30 **Concluding Remarks / Announcements and Break**
Mary Cushman, MD, MSc

5:00-7:00 **Reception**
Echo, Leahy Center for Lake Champlain, 1 College Street, Burlington, VT 05401

June 7, 9:00am-2:40 PM EDT

9:00-9:10 **Welcome**
Mary Cushman, MD, MSc and Mark Nelson, PhD

9:10-10:30 **Pilot Grant Awardee Presentations**
Moderator: TBN
*Adam Sprouse-Blum, MD,* Assistant Professor of Neurological Sciences
*Dura Mater Pericytes as a Target for Vascular Dysfunction during Migraine*
*Mansour Gergi, MD,* Assistant Professor of Medicine
*Cardiovascular Care Delivery and Bleeding in Individuals with Cancer*
Matthew Caporizzo, PhD, Assistant Professor of Molecular Physiology and Biophysics
The Molecular Underpinnings of Diastolic Dysfunction

TBN

10:30-11:30  Moderated Poster Session / Coffee Break  Moderator: TBN
11:30-12:10  Diversity and Inclusion Keynote  Moderator: TBN
    Nanette K. Wenger, MD, Professor of Medicine (Cardiology) Emeritus, Emory University
    Cardiovascular Disease in Woman: Epidemiology, Awareness, Access and Delivery of Equitable Healthcare

12:10-1:10  Lunch Break

1:10-1:50  Early/ Mid-Career and COBRE Partner Investigator Flash Talks  Moderators: TBN
    5 Talks, 5 minutes each with 3 minutes of questions

1:50-2:00  Closing Remarks  Mary Cushman, MD, MSc and Mark Nelson, PhD

Thank you to the VCCBH External Advisory Board!
Manuel F. Navedo, PhD, Professor of Pharmacology, University of California, Davis
Suzanne Judd, PhD MPH, Professor of Biostatistics, Director: Lister Hill Center for Health Policy, University of Alabama, Birmingham
Scott Earley, PhD, Professor of Pharmacology, University of Nevada, Reno
Sharon Rounds, MD, Professor of Medicine, Professor of Pathology and Laboratory Medicine, Brown University

Thank you to the Organizing Committee!
Ira Bernstein, MD; Julie Dumas, PhD; Peter Durda, PhD; Kate Fitzsimmons; Debora Kamin Mukaz, PhD; Nicholas Klug, PhD; Owen Nadeau, PhD; David Puniahole, PhD; Mary Cushman, MD, MSc