



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** Moderators: TBN
8 Talks, 5 minutes each with 3 minutes for questions
- 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 Punihaole, 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 Punahaole, PhD; Mary Cushman, MD, MSc