



June 3rd and 4th 2021

Registration: <https://uvmcom.zoom.us/meeting/register/tJmKcempqj8qH9OHmHePzVbHQ4KBREba9JNO>

June 3, 11:00 am- 3:00 pm EST

- 11:00-11:20 Welcoming Ceremonies: Co-Directors Mary Cushman, MD MSc and Mark Nelson, PhD
Opening Remarks from Vermont State Representative **Peter Welch**, University of Vermont President **Suresh Garimella, PhD** and Dean of the Larner College of Medicine, **Richard Page, MD**.
- 11:20-12:20 VCCBH COBRE Project Director Presentations. Moderator: Mary Cushman, MD MSc
Osama Harraz, PhD, Dept. of Pharmacology, "Brain Capillary Mechanosensation by Piezo1 Channels in Health and Disease."
Masayo Koide, PhD, Dept. Of Pharmacology, "Crippled Cerebral Blood Flow Regulation in Chronic Hypertension."
Denise Peters, DPT PhD, Dept. of Rehabilitation and Movement Science, "Neuromechanisms Associated with Response to Gait Training in Chronic Stroke."
- 12:25-1:15 General Audience Lunch Break and Internal Meetings: EAB and PDs (12:25-12:50 PM); EAB and MPIs (12:50-1:15 PM); PDs and Keynote Speaker (12:50-1:15); Participant Break (1:15-1:25 PM)
- 1:25-2:25 Keynote Speech. Introduction and Moderator: Marilyn Cipolla, PhD
Edith Hamel, PhD FRSC Professor of Neurology and Neurosurgery, McGill University, Director of the Laboratory of Cerebrovascular Research, Montreal Neurological Institute. "**Vascular Cognitive Impairment and Dementia: White Matter Pathology and Cardiovascular Therapy.**" <https://www.mcgill.ca/neuro/edith-hamel-phd>
- 2:25-2:30 Closing Remarks: Mary Cushman, MD MSc

June 4, 11:00am-3:00pm EST

- 11:00-11:10 Welcoming Introductions: Mary Cushman, M.D., M.Sc.
- 11:10-11:40 Diversity and Inclusion Keynote. Introduction: Mark Nelson, PhD
Warren Lockette, MD, Endocrinology Division Chief, Wayne State University/Detroit Medical Center. "Heed Their Rising Voices—a Cognitive Approach." <https://endocrinology.med.wayne.edu/profile/ab1289>
- 11:40-12:55 Pipeline Scientists: Session 1; Moderator, Denise Peters, DPT PhD
Emmett Whitaker, MD, Dept. of Anesthesiology, Neurological Sciences & Pediatrics, "Impact of Preeclampsia on Cerebrovascular Function and Perinatal Stroke Outcomes in Offspring."
Nicholas Klug, PhD, Dept. of Pharmacology, "Mechanisms of pericyte constriction at the transition zone between arterioles and capillaries: implications in health and hemorrhagic small vessel disease."
Insu Koh, PhD, Dept. of Pathology and Laboratory Medicine, "Enhanced Immune function as a Central Pathway Linking Greenspace and Cardiovascular Diseases."
Abbie Johnson PhD, Dept. of Neurological Sciences, "The Role of the Hippocampal Vasculature in Vascular Cognitive Impairment and Dementia."
Arash Moshkforoush, PhD, Dept. of Pharmacology, "Regulation of Blood Flow in the Brain: Insight from Mathematical Models."
- 12:55-1:15 Lunch Break
- 1:15-2:05 Pipeline Scientists: Session 2; Moderator, Masayo Koide, PhD
Timothy Plante, MD, Dept. of Medicine, "The Inflammatory Basis of Hypertension."
Maria Noterman, PhD, Dept. of Pharmacology, "Energetic Control over On-demand Cerebral Blood Flow in Small Vessel Disease."
Amreen Mughal, PhD, Dept. of Pharmacology, "PIP2 Improves Cerebral Blood Flow in a Mouse Model of Alzheimer's Disease."
Debora Kamin Mukaz, PhD, Dept. of Medicine, "Biomarkers of COVID-19 Coagulopathy and D-dimer in a Biracial Cohort Study."
- 2:05-2:55 Round Table Panel Discussion led by Marilyn Cipolla, PhD: "A Balancing Act: How to Maintain a Work-life Balance in Science."
- 2:55-3:00 Closing Remarks: Mary Cushman, MD MSc, Mark Nelson PhD

VCCBH External Advisory Board

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