

Resources for Collaboration and Mentoring Opportunities in Cardiovascular Research

The investigators listed below are open to collaboration with and/or mentoring trainees. Please contact them directly with your questions.

Cardiac Muscle

Robert J. Kelm, Jr., PhD

Research interests: Protein-nucleic acid interactions regulating smooth muscle cell and myofibroblast differentiation in health and disease

Biographical information: <http://contentmanager.med.uvm.edu/medicine/cardiovascular/bio?BioID=22459>

E-mail address: Robert.Kelm@uvm.edu

Martin M. LeWinter, MD

Research interests: Heart failure, heart muscle diseases, cardiac hypertrophy, myocardial function and mechanics

Biographical information: <http://contentmanager.med.uvm.edu/medicine/cardiovascular/bio?BioID=22472>

E-mail address: Martin.LeWinter@uvmhealth.org

Markus Meyer, MD

Research interests: A better understanding of heart failure to improve patients' lives

Biographical information: [Click here for CV](#)

E-mail address: Markus.Meyer@uvmhealth.org

Jeffrey Spees, PhD

Research interests: Adult stem/progenitor cell biology and regenerative medicine; development of therapeutics (biologics) for treatment of ischemic tissue injury (stroke and myocardial infarction)

Biographical information: <http://contentmanager.med.uvm.edu/medicine/cardiovascular/bio?BioID=22477>

E-mail address: Jeffrey.Spees@med.uvm.edu

Michael J. Toth, PhD

Research interests: The effect of aging and acute/chronic disease on skeletal muscle structure, function, and metabolism, with the goal of identifying interventions to mitigate the development of physical disability

Biographical information: <http://www.uvm.edu/medicine/tothlab/>

E-mail address: Michael.Toth@med.uvm.edu

David M. Warshaw, PhD

Research interests: Cardiac muscle contractile protein function in normal and disease states studied at the molecular level using biophysical techniques

Biographical information: http://physioweb.uvm.edu/faculty-profile/?user=David_Warshaw

E-mail address: David.Warshaw@uvm.edu

Matthew Watkins, MD

Research interests: Research interests have centered around 1) the clinical development of novel regenerative therapies including intracoronary gene therapy and intracoronary cell therapy for the treatment of patients with coronary artery disease and ischemic cardiomyopathy and 2) regional strategies to improve outcomes for patients with coronary artery disease

Biographical information: <http://contentmanager.med.uvm.edu/medicine/cardiovascular/bio?BioID=22482>

E-mail address: Matthew.Watkins@uvmhealth.org

Vascular Biology/Thrombosis**Marilyn J. Cipolla, PhD**

Research interests: The cerebral circulation under physiological and pathological conditions. In particular, how changes in cerebrovascular structure and function affect cerebral blood flow regulation and hemodynamics in several diseases including acute ischemic stroke, cerebral small vessel disease and preeclampsia/eclampsia.

Biographical information: http://www.med.uvm.edu/neuro/cipolla_lab

E-mail address: Marilyn.Cipolla@med.uvm.edu

Mary Cushman, MD, MSc

Research interests: I study the etiology of cardiovascular and other chronic diseases of aging by studying circulating biomarkers and genetic variants in coagulation, inflammation, and other domains in relation to risk and clinical course of myocardial infarction, stroke, cognitive impairment, venous thrombosis and related disorders in large population studies. Particular interests include study of reasons for race/ethnic disparities.

Biographical information: <http://contentmanager.med.uvm.edu/lcbr/bio?BioID=22609>

E-mail address: Mary.Cushman@med.uvm.edu

Harold Dauerman, MD

Research interests: Clinical trials and registry research in coronary and structural heart interventions.

Biographical information: <http://contentmanager.med.uvm.edu/medicine/cardiovascular/bio?BioID=22456>

E-mail address: Harold.Dauerman@uvmhealth.org

Chris E. Holmes, MD, PhD

Research interests: Use of antiplatelet and anticoagulant therapy in the control of malignancy progression and reducing vascular complications of malignancy, including venous thromboembolism and stroke.

Biographical information: <http://contentmanager.med.uvm.edu/medicine/hemonc/bio?BioID=22615>

E-mail address: Chris.Holmes@uvm.edu

Robert J. Kelm, Jr., PhD

Research interests: Protein-nucleic acid interactions regulating smooth muscle cell and myofibroblast differentiation in health and disease

Biographical information: <http://contentmanager.med.uvm.edu/medicine/cardiovascular/bio?BioID=22459>

E-mail address: Robert.Kelm@uvm.edu

George Osol, PhD

Research interests: Effects of hypertension on maternal uterine vascular remodeling during pregnancy; preeclampsia; endothelial-vascular smooth muscle interactions; effect of physical forces (intravascular pressure, shear stress) on the arterial and venous wall

Biographical information: <http://contentmanager.med.uvm.edu/obgyn/bio?BioID=23068>

E-mail address: George.Osol@uvm.edu

Jeffrey Spees, PhD

Research interests: Adult stem/progenitor cell biology and regenerative medicine; development of therapeutics (biologics) for treatment of ischemic tissue injury (stroke and myocardial infarction)

Biographical information: <http://contentmanager.med.uvm.edu/medicine/cardiovascular/bio?BioID=22477>

E-mail address: Jeffrey.Spees@med.uvm.edu

Kathleen M. Trybus, PhD

Research interests: To determine the molecular defects caused by point mutations in smooth muscle actin that are implicated in inherited vascular diseases; the approach is to characterize expressed actins at the molecular level using a variety of *in vitro* biochemical and biophysical techniques

Biographical information: http://physioweb.uvm.edu/faculty-profile/?user=Kathleen_Trybus

E-mail address: Kathleen.Trybus@uvm.edu

Matthew Watkins, MD

Research interests: Research interests have centered around 1) the clinical development of novel regenerative therapies including intracoronary gene therapy and intracoronary cell therapy for the treatment of patients with coronary artery disease and ischemic cardiomyopathy and 2) regional strategies to improve outcomes for patients with coronary artery disease

Biographical information: <http://contentmanager.med.uvm.edu/medicine/cardiovascular/bio?BioID=22482>

E-mail address: Matthew.Watkins@uvmhealth.org