

Historical CVRI Medical Student Summer Research Fellowships

Year	Applicant	Title of Project	Mentor & Department
2015	Christina Cahill, MPH	C-Reactive Protein and Stroke Risk in Blacks and Whites: the REGARDS Cohort	Mary Cushman, MD, MSc Department of Medicine
2015	Patrick Cruden	The effect of ischemia and reperfusion with tissue plasminogen activator on brain intravascular polymorphonuclear neutrophils in ovariectomized female rats	Marilyn Cipolla, PhD Neurological Sciences
2015	Brittany Rocque, MSc**	Determining Early Predictors of Acute Kidney Injury in Patients Undergoing Cardiopulmonary Bypass	Richard Solomon, MD Medicine - Nephrology
2016	Aaron Gelinne	Epigenetic Basis for Aortic Vascular Smooth Muscle Adaptation to Pregnancy	George Osol, PhD Obstetrics, Gynecology & Repro Sci
2016	Anita Li**	Prediction of Exercise Capacity from Left Ventricular Dimensions	Markus Meyer, MD Medicine - Cardiology
2016	Chantal Mendes	Investigating the Impact of Interactive Patient Portal Use in Heart Failure Management	Peter VanBuren, MD Medicine - Cardiology
2017	Charles Cubberley	Piloting a Social Determinants of Health Survey in a Population of Heart Failure Patients at UVM Medical Center	Johannes Steiner, MD Medicine - Cardiology
2017	Allison Reeder**	Single dose crystalloid Custodial@HTK cardioplegia vs. multi-dose blood cardioplegia in minimally invasive aortic valve replacement	Joseph Schmoker, MD Surgery - Cardiothoracic Surgery
2018	Juan Conde**	Smoking, Stroke Biomarkers and Risk of Stroke in a National Cohort	Mary Cushman, MD, MSc Department of Medicine
2018	Jennifer Holland	Epicardial Mapping in Atrial Fibrillation	Peter Spector, MD Medicine - Cardiology
2018	Kristen Keene	Re-defining Chronic Hypertension in Pregnancy	Erin Morris, MD Obstetrics, Gynecology & Repro Sci
2018	Kathryn Kurchena	Biomarkers of Bleeding and Thrombosis in Transcatheter Aortic Valve Replacement (TAVR)	Harold Dauerman, MD Medicine - Cardiology

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2018	Matthew E. Lebow	Outcomes of Emergency Department Patients with Delayed Diagnosis and Treatment of Venous Thromboembolism	Neil Zakai, MD Medicine - Hematology & Oncology
2018	Sean Meagher	Vaso-protective treatment for ischemic/reperfusion injury after acute myocardial infarction	Jeffrey Spees, PhD Medicine - Cardiology
2018	Hannah Woodruff	Examining Arterial Stiffness in Women with a History of Preeclampsia	Ira Bernstein, MD Obstetrics, Gynecology & Repro Sci
2019	Maggie Carey	Localization of Piezo channels in the vascular wall of the uterine circulation, and effects of gestation on their expression	George Osol, PhD Obstetrics, Gynecology & Repro Sci
2019	Taylor Marquis**	Vascular protection by HGF/IgG protein complexes that activate RYK	Jeffrey Spees, PhD Medicine - Cardiology
2019	Kaitlyn Peper	The Impact of Inflammation on Racial Disparities in Incident Diabetes: The REGARDS Cohort Study	Timothy Plante, MD Department of Medicine
2020	Dana Allison	The Role of Large Artery Stiffness in Brain Injury during Preeclampsia	Marilyn Cipolla, PhD Neurological Sciences
2020	Elizabeth Barker	Hemostatic and vascular changes in the pregnant women	Maria Cristina Bravo, PhD Biochemistry
2020	Kaileen Cruden	Soluble CD14 and Racial Disparity in Incident Type 2 Diabetes: The REGARDS Study	Nels Olson PhD Pathology and Laboratory Medicine
2020	Samuel Short**	Plasma Proenkephalin Concentration and Stroke Incidence in the REGARDS Cohort	Mary Cushman, MD, MSc Department of Medicine
2020	Aneesh Singal	Racial Variability in the effect of Fasting Serum Insulin and Risk of Incident Hypertension	Timothy Plante, MD Department of Medicine
2021	Robert Adamian / Paul McCleary	Correlation Between FcGammaRIIa and Procoagulant Function of Platelets	David Schneider, MD Medicine - Cardiology
2021	Sydney Cardoza	Microvesicle Contribution to Hemostatic Balance in the Peripartum Period	Maria Cristina Bravo, PhD Biochemistry
2021	Aria Elahi	Improving the Training Response in Cardiac Rehabilitation through use of High Intensity Interval Training	Sherrie Khadanga, MD Department of Medicine
2021	Tyler Harkness	E-Selectin and ICAM-1 and Incident Hypertension in Black and White Americans	Timothy Plante, MD Department of Medicine

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2021	Ying Loo**	Hypertension Severity as Quantified by Hypertension Daily Dose and Risk of Stroke in REGARDS	Timothy Plante, MD Department of Medicine
2021	Molly Mepyans	The effect of pregnancy and preeclampsia on brain oxidative stress and endothelial activation after stroke: Relationship to infarct	Marilyn Cipolla, PhD Neurological Sciences
2021	Maxwell Tulimieri	Utilization of Vascular Quality Initiative Risk Calculators in Practice	Daniel Bertges, MD Vascular Surgery
2021	Sean Wang	Prevalence of Acquired Heart Diseases in the Adult Down Syndrome Population	William Hopkins, MD Department of Medicine
2021	Alayna Westcom	Pre-hospitalization information can be used to identify patients with pulmonary embolism vs. other patients assessed by emergency medical service staff	Mark Fung, MD, PhD Pathology and Laboratory Medicine
2022	Bradley Anair	Neuromuscular Electrical Stimulation in Heart Failure Patients to Improve Functional Recovery Following Hospitalization	Sherrie Khadanga, MD Department of Medicine
2022	Christine Horn	Evaluation of the relationship between preeclampsia and hemostatic balance prior to, and during, pregnancy	Ira Bernstein, MD Obstetrics, Gynecology & Repro Sci
2022	Isabel Martinez Daniel	Promoting Shared Decision Making for Claudication: 3 Things Every Patient Should Know	Daniel Bertges, MD Vascular Surgery
2022	Kadi Nguyen	Sex differences in treatment and outcomes of patients with atrial fibrillation: a community clinic analysis	Ira Dauber, MD South Denver Cardiology Associates
2022	Matthew Rzemien	VasaPlex-based biologics for treatment of reperfusion injury after myocardial infarction – Immunohistochemical evaluation of effects in a large animal model	Jeffrey Spees, PhD Medicine - Cardiology
2022	Eric Stoutenburg	The Role of Factor VIII on Incident Hypertension in Black and White Adults: The Reasons for Geographic and Racial Differences in Stroke (REGARDS) Cohort	Timothy Plante, MD Department of Medicine

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2022	George Zhang	Pharmacokinetic studies of VasaPlex-based biologics and their efficacy in large animal model of MI with reperfusion	Jeffrey Spees, PhD Medicine - Cardiology
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