

Historical ECAC Clinical, Translational, and Basic Science Research Awards

Year	Awardee	Title of Project	Mentor & Department
FY24	Nicole Habel, MD, PhD	Improving outcomes in atrial fibrillation patients aided by implantable cardiac monitors: Evaluation of chronic beta-blocker use versus as-needed pharmacological rate control	Daniel Lustgarten, MD Medicine – Cardiology
FY24	Maria Noterman-Soulinthavong, PhD	Metabolic mechanisms of deficient on-demand cerebral blood flow in small vessel disease	Mark Nelson, PhD Pharmacology
FY24	Ajit Singh, PhD	PfBDP1: A master regulator of red blood cell invasion genes	Karen Glass, PhD Pharmacology
FY24	Luc Willemse, BS	Role of brain capillary endothelial Piezo1 in Alzheimer's Disease	Osama Harraz, PhD Pharmacology
FY23	David Coggin-Carr, MD, PhD	Effects of low-frequency electroacupuncture on uterine arterial function in a high fat, high sucrose diet-induced rat model of maternal obesity	Ira Bernstein, MD Obstetrics, Gynecology & Repro Sci
FY23	Margaret Infeld, MD	Efficacy of Atrial Anti-Tachycardia Pacing Based on Atrial Lead Position	Daniel Lustgarten, MD Medicine – Cardiology
FY23	Shanmugasundaram Nallasamy, DVM, PhD	The role of uterine type V collagen in the establishment of uterine-placentalvascular interface in mice	Ira Bernstein, MD Obstetrics, Gynecology & Repro Sci
FY23	Margaret Phillips, PhD	Functional impact of histone post-translational modifications in endothelial damage	Karen Glass, PhD Pharmacology
FY23	Lucy Pilcher, BS	Uncovering the role of Snord116 lncRNA in cardiac ischemic response and metabolism using living myocardial slices	Jeffrey Spees, PhD Medicine - Cardiology
FY22	Maria Cristina Bravo, PhD	Characterization of the Procoagulant Potential of Circulating Microvesicles in Pregnancy	Ira Bernstein, MD Obstetrics, Gynecology & Repro Sci
FY22	Nicole Habel, MD	Exercise capacity in patients with heart failure with preserved ejection fraction before and after ablation of atrial fibrillation	Sherrie Khadanga, MD; Daniel Lustgarten, MD Medicine – Cardiology
FY22	Margaret Infeld, MD	Electrically Guided Bachmann's Bundle Pacing: A Novel Lead Placement Strategy with Potential Antiarrhythmic Benefits	Daniel Lustgarten, MD Medicine – Cardiology
FY22	Debora Kamin Mukaz, PhD	Vascular endothelial dysfunction and risk of COVID-19 in a biracial US cohort	Mary Cushman, MD, MSc Department of Medicine

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FY22	Nga- Ling Theresa Ko, PhD	Effects of shear stress and the mechanosensory signaling on the manifestation of COVID-19 in pregnancy	Ira Bernstein, MD Obstetrics, Gynecology & Repro Sci
FY22	Maria Noterman, PhD	Energetic control over on-demand cerebral vasodilation in small vessel disease	Mark Nelson, PhD Pharmacology
FY21	Elizabeth Barker, BS	Endogenous clot formation potential in the late pregnant and postpartum women	Maria Cristina Bravo, PhD Biochemistry
FY21	Andrea Foote, BA	Defining the Genome-Wide Transcriptional Regulatory Profile of Pur β in Cardiovascular Disease	Robert Kelm, PhD Medicine & Biochemisry
FY21	Abbie Johnson, PhD	Hippocampal Vascular Mechanisms of Post-Stroke Dementia	Marilyn Cipolla, PhD Neurological Sciences
FY21	Sherrie Khadanga, MD	Use of Activity Monitoring to Assess and Guide Physical Activity Recommendations in Women during Phase 2 Cardiac Rehabilitation: A Randomized Control Trial	Philip Ades, MD Medicine – Cardiac Rehabilitation
FY21	Amreen Mughal, PhD	Brain capillary endothelial Ca ²⁺ signals in regulation of cerebral blood flow during Alzheimer’s disease	Mark Nelson, PhD Pharmacology
FY21	Lucy Pilcher, BS	Interrogating the role of Snord116 in epicardial cell response to myocardial infarction through alternative splicing	Jeffrey Spees, PhD Medicine - Cardiology
FY20	Sulamunn Coleman, PhD	Extending Contingency Management for Smoking Cessation to Patients with Established Cardiovascular Disease: A Pilot Study Using Ecological Momentary Assessment	Diann Gaalema, PhD Psychiatry
FY20	Abbie Johnson, PhD	Preliminary Data on Hippocampal Vascular Function in Chronic Hypertension and Post-Stroke Dementia	Marilyn Cipolla, PhD Neurological Sciences
FY20	Nicholas Klug, PhD	Dysfunctional blood flow patterning in the diabetic retina: hyperglycemia disruption of arteriole, capillary and venule function	Mark Nelson, PhD Pharmacology
FY20	Andrew Mead, PhD	Functional Characterization of Muscle Myosin Binding Protein C Mutations by Acquiring and Applying the Zebrafish Genetic Toolkit	David Warshaw, PhD Molecular Physiology & Biophysics
FY19	Nga- Ling Theresa Ko, PhD	Venous Remodeling and Venoarterial Signaling (VAS) in the Gestational Uterine Circulation	George Osol, PhD Obstetrics, Gynecology & Repro Sci

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FY19	Insu Koh, PhD	Impacts of Trends in Neighborhood Income and Greenness on Regional Variations of Cardiovascular Disease Risk	Neil Zakai, MD Medicine - Hematology & Oncology
FY19	Carole McBride, PhD	Pilot Studies to Determine the Feasibility of Studying Soluble Amyloid Precursor Protein Proteolysis Products and Pregnancy Complications in Relation to Stroke and Cardiovascular Risk the REGARDS Cohort	Ira Bernstein, MD Obstetrics, Gynecology & Repro Sci
FY19	John McInnis, BS	Elucidating the Role of a ETBR-CD109 Signaling Axis in Astroglial Regulation and Stroke Recovery	Jeffrey Spees, PhD Medicine - Cardiology
FY19	Erin Morris, MD	Cardiovascular Effects of Extra Virgin Olive Oil (EVOO) in Healthy Reproductive-aged Women: A Randomized Controlled Trial	Ira Bernstein, MD Obstetrics, Gynecology & Repro Sci