



September 20, 2024
Central Bank Center Ballrooms

8:30 am Guest Check-In | Breakfast

9:00 am Morning Session

9:00 am

Welcome

Alan Daugherty, PhD, DSc

Director, Saha Cardiovascular Research Center

9:05 am

Rapid Fire Presentations

Moderators: *Lindsay Czuba, PhD*

Assistant Professor, College of Pharmacy

Scott Gordon, PhD

Associate Professor, College of Medicine

Liz Driehaus

Graduate Student

Wally Whiteheart, Mentor

“VAMP8 Deletion Mitigates Atherosclerosis by Modulating Platelet Inflammatory Cargo Release”

Nikitha Dharanipragada

Undergraduate

Nate Helsley, Mentor

“Deletion of Carnitine Palmitoyltransferase 1a from Adipocytes Leads to Insulin Resistance in Female Mice”

Vivek Pandey, PhD

Postdoctoral Fellow

Sanda Despa, Mentor

“O-GlcNAcylation Underlies the Activation of Sodium-Glucose Cotransporter 1 in Diabetic Hearts”



Morning Session - continued

9:25 am

The Gill Heart and Vascular Institute Early Career Awards

Moderator: *Cheavar Blair, PhD*

Assistant Professor, College of Medicine

Satoshi Koyama, MD, PhD

Postdoctoral Fellow

Broad Institute at MIT and Harvard

“Diagnosing Millions of Hearts: Harnessing Genetic Data for Cardiovascular Insights”

Jessica Caldwell, PhD

Postdoctoral Fellow

University of California, Davis

“Sex-dependent Cardiac Cyclic-AMP Signaling and Arrhythmias in the Failing Heart”

Joshua Travers, PhD

Postdoctoral Fellow

University of Colorado

“Cell Painting and Machine Learning Distinguish Healthy from Failing Human Cardiac Fibroblasts”

10:25 am

Break



Morning Session - continued

10:45 am

Rapid Fire Presentations

Moderators: *Ila Mishra, PhD*

Assistant Professor, College of Medicine

A. Phillip Owens III, Ph.D.

Associate Professor, University of Cincinnati

Nicole Marker

Medical Student

Sibu Saha, Mentor

“Surgical Treatment of Cardiac Tumors: A Single Center Experience”

Abhilash Prabhat, PhD

Postdoctoral Scholar

Brian Delisle, Mentor

“Feeding Behavior Underlies the Circadian Rhythm in the Autonomic Input to the Heart and Heart Rate”

Maggie Murphy, PhD, RD, LD

Assistant Professor

Pediatrics

“Obesity Predicts Left Ventricular Mass in Youth Undergoing Ambulatory Blood Pressure Monitoring”

11:05

Poster Pitches

11:15 am

Poster Judging and Poster Session

Odd-numbered posters are judged during the first 10 minutes. Presenters remain at their poster throughout the session.



12:15 pm Lunch

12:30 pm

Nancy Brown

Chief Executive Officer

American Heart Association

“Advancing Health and Hope for Everyone, Everywhere”

Introduction: ***Alan Daugherty, PhD, DSc***

Director, Saha Cardiovascular Research Center

1:15 pm

Break

1:30 pm Afternoon Session

1:30 pm

Trainee Presentations

Moderator: ***Ming Gong PhD***

Professor, College of Medicine

Gregory Milburn

MD, PhD Student

Ken Campbell, Mentor

“Mechanical Unloading Restores PKA-Mediated Phosphorylation of Sarcomeric Proteins in Patient with Heart Failure”

Garrett Elmore

Graduate Student

Jon Satin, Mentor

“Interventional Cardiomyocyte-Restricted RAD Knockout Improves Cardiac Dysfunction in a Murine Model of Dilated Cardiomyopathy”



Afternoon Session - continued

2:00 pm

Poster Pitches

2:10 pm

Poster Judging and Poster Session

Even-numbered posters are judged during the first 10 minutes. Presenters remain at their poster throughout the session.

3:05 pm

Alumni Presentation

Brandon Fornwalt, MD, PhD

Vice President of Cardiology

Tempus Labs

“What I Would Tell My Younger 25-Year-Old Self”

Introduction: ***Brian Delisle, PhD***

Professor, College of Medicine

3:30 pm

Gill Heart and Vascular Institute Award for Outstanding Contributions to Cardiovascular Research

Svati Shah, MD

Associate Dean for Translational Research

Director, Duke Center for Precision Health

Duke University

"Heart Failure Omics: Metabolism and Beyond"

Introduction: ***Gregory Graf, PhD***

Associate Director, Saha Cardiovascular Research Center

4:15 pm Awards Presentation

4:30 pm Networking Reception

