Wednesday, September 8, 2021

Welcome Reception
Marriott Lexington City Center
2nd Floor Pre-Function Space
6:00 pm - 8:00 pm

Thursday, September 9

FLRC Day 1 Marriott Lexington City Center Ballrooms

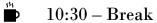
🗶 8:00 - Check-in and Continental Breakfast

Welcome

8:30 Scott Gordon, PhD | University of Kentucky
 Opening Comments 8:45 Virgil Brown, MD | Founder of SELRC, now FLRC
 Honoring Don Fredrickson

Session I: Hepatic, Intestinal, and Peripheral Lipid Metabolism Chair: Mahmood Hussain | New York University

9:00 John Rawls, PhD | Duke University
 Microbial Regulation of Intestinal Epithelial Lipid Metabolism
 9:20 Saskia Neher, PhD | University of North Carolina
 A New Twist on Lipoprotein Lipase Trafficking
 9:40 John Stafford, MD, PhD | Vanderbilt University
 Liver Estrogen Signaling and Prevention of Fatty Liver, Dyslipidemia, and Atherosclerosis
 10:00 Selected Abstract
 10:15 Selected Abstract





Session II: Bioinformatics in Metabolic and CVD Research Chair: Jake Lusis | UCLA

- 11:00 Casey Romanoski, PhD | University of Arizona

 How Do Genetic Differences Influence the Properties of Endothelial Cells?
- 11:20 Johan Bjorkegren, MD, PhD | Icahn School of Medicine
 A Systems Network Approach Reveals Major Adipose-to-liver Endocrine Signaling in
 Cardiometabolic Disease
- 11:40 Marcus Seldin, PhD | UC Irvine
 Systems Genetics Approaches to Investigate Inter-tissue Communication Uncovers Adipose Tissue
 Remodeling as a Driver of Cardiac Metabolism through ITIH5

12:00: Lunch

Faculty and Staff - Lunch on Your Own (Downtown Lexington Restaurants)

Trainees – Career Development Session (Kentucky Room; Prior Registration Required)

Session III: Lipids and Lipoproteins in Inflammation

Chair: Alison Kohan | University of Pittsburgh

- 1:30 Ali Javaheri, MD, PhD | Washington University
 Sodium Glucose Co-Transporter Inhibition Preserves Endothelial Integrity via an Apolipoprotein
 M-Dependent Pathway
- 1:50 Hanrui Zhang, PhD | Columbia University Irving Medical Center
 Elucidating the Variant-to-function Relationship for LIPA, a Coronary Artery Disease Risk
 Locus
- 2:10 Kanakadurga Singer, MD | University of Michigan
 Diet-induced Obesity Drives Myelopoiesis and Macrophage Polarization
- 2:30 Selected Abstract

Thursday, September 9

FLRC Day 1 Continued

2:45 – Break

Rudel Trainee Lectures

3:15 Trainee lectures selected from submitted abstracts

Keynote Speaker

4:15 Mahmood Hussain, PhD | New York University

Microsomal Triglyceride Transfer Protein: Control of Plasma and Tissue Lipids, Structure Function Analysis and Adipose-Specific Role

- 5:30 Depart Hotel Lobby for Kentucky Castle
- 6:00 Dinner and Bourbon Experience at The Kentucky Castle

DONFREDRICKSON LIPID RESEARCH CONFERENCE SEPTEMBER 9-11, 2021 | UNIVERSITY OF KENTUCKY

Friday, September 10, 2021

FLRC Day 2

University of Kentucky Cardiovascular Research Day Bill Gatton Student Center Grand Ballrooms





8:00 to 8:40 - Busses Depart Outside Marriott Lobby to Gatton Student Center



8:15 - Continental Breakfast Outside Worsham Theater

Session I | Worsham Theater

9:00 - Alan Daugherty, PhD, DSc | Director, Saha Cardiovascular Research Center Opening Comments

9:05 - Trainee Presentations

 $Selected\ from\ submitted\ abstracts$

9:30 - Faculty Presentation | Emma Burks, MD

The Genetic Landscape of Heart Failure

10:00 - 90 Second Poster Pitch



10:15 - Break

Poster Session A | Grand Ballrooms

10:30- Poster Session A

Odd numbered posters presented and judged



Session II | Worsham Theater

11:30 - Gill Heart and Vascular Institute Outstanding Contributions to Cardiovascular Research Award

Elizabeth McNally, MD, PhD
Director, Center for Genetic Medicine
Northwestern University Feinberg School of Medicine
The Genetic Landscape of Heart Failure



Lunch Session | Grand Ballrooms

12:15 - Buffet Lunch

12:45 - Professional Development Lecture

Amy Herman Author of "Visual Intelligence" 2016 New York Times Bestseller Seeing What Matters

SEPTEMBER 9-11, 2021 | UNIVERSITY OF KENTUCKY

Friday, September 10, 2021

FLRC Day 2

Continued





1:45 – Break

Session III | Worsham Theater

2:00 - Trainee Presentations

Selected from abstracts submitted by August 31

2:30 - Distinguished Alumni Speaker

Steven Steinhubl, MD

Director, Digital Medicine

Associate Professor of Genomic Research

Scripps Research Translational Institute

Healthcare Transformation and the Need for More Unreasonable Clinician-Researchers

3:00 - 90 Second Poster Pitches



3:15 – Break

Poster Session B | Grand Ballrooms

3:30 - Poster Session B

Even numbered posters presented and judged



Session IV | Worsham Theater

4:30 - Gill Heart and Vascular Institute Early Career Award

Katherine Gallagher, MD

John R. Pfeifer Professor of Surgery

Associate Professor of Surgery, Section of Vascular Surgery

Associate Professor of Microbiology and Immunology

University of Michigan

Epigenetics in Vascular Disease



X Evening Session | Grand Ballrooms

5:15 - Networking Session

6:00 - Dinner & Awards Presentations



6:45 to 7:45 - Busses Depart Gatton Student Center to Marriott City Center

Saturday, September 11

FLRC Day 3 Marriott Lexington City Center Ballrooms



8:30 - Continental Breakfast



Virgil Brown Lecture

9:00 Ruth McPherson, MD, PhD | University of Ottawa Heart Institute GWAS for CAD: From Locus to Function

Session I: Genetics of Cardiovascular and Metabolic Disease Chair: Ruth McPherson | University of Ottawa Heart Institute

- 9:45 Robert Bauer, PhD | Columbia University
 Trouble with Tribbles: Functional Validation of Lipid GWAS Loci
- 10:05 Ron Do, PhD | Icahn School of Medicine Genotype-first Approaches for Diagnosis of Cardiovascular Disease
- 10:25 William Lagor, PhD | Baylor College of Medicine Correction of Lipid Disorders with Liver-directed Genome Editing
- 10:45 Liam Brunham, MD, PhD | University of British Columbia Role of HDL in Sepsis and Infection
- 11:05 Selected Abstract

11:20 - Closing remarks and meeting adjourned