



Heart Failure: Crossing the Translational Divide

January 14–18, 2018 | Keystone Resort | Keystone, Colorado | USA

Scientific Organizers:

Yibin Wang, University of California, Los Angeles, USA

Joseph A. Hill, University of Texas Southwestern Medical Center, USA

Carolyn Lam, Duke-NUS Medical School, Singapore

Heart failure is a major human disease that afflicts millions of people worldwide. Intensive research in the past decade has yielded many exciting new mechanistic insights into the pathogenesis of heart failure, but progress toward successful therapies to prevent, halt and reverse heart failure has been painfully slow. The overall goal of this Keystone Symposia conference is to focus on heart failure and highlight the scientific advances in basic discovery and early-phase therapeutic development in this fast-moving field. The symposium will provide the field with an opportunity for robust discussion about the major issues crossing the translational divide from basic discovery to therapies.

Session Topics:

- HFrEF: Ischemic Heart Disease (I/R Injury and Cell Death)
- Inflammation (Non-Ischemic) HFrEF
- HFrEF: Hypertensive Heart Disease (Hypertrophy, Fibrosis)
- Workshop 1: Big Data and Precision Medicine for Heart Failure
- PH and RV Failure
- HFrEF and Metabolism
- Workshop 2: Pharma for HF, How NOT to Get Lost in Translation
- HFrEF: Genetics and Epigenetics
- HFpEF (Mechanisms and Therapy)
- HFrEF (Cellular and Molecular Therapy)

Scholarship Application & Discounted Abstract Deadline: September 21, 2017

Abstract Deadline: October 19, 2017

Discounted Registration Deadline: November 20, 2017



Note: Scholarships are available for graduate students and postdoctoral fellows and are awarded based on the abstract submitted. Submitting an abstract is an excellent opportunity to gain exposure for your work. Abstracts submitted by the abstract deadline will also be considered for short talks on the program.

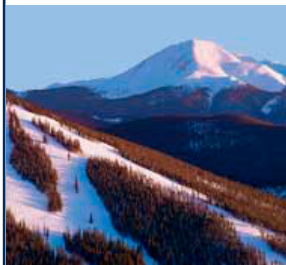
Meeting Hashtag: #KShf

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SUNDAY, JANUARY 14

Arrival and Registration

MONDAY, JANUARY 15

Welcome and Keynote Address

David C. Page, Whitehead Institute for Biomedical Research, USA
Sex and Disease: Do Males and Females Read their Genomes Differently?

HFrEF: Ischemic Heart Disease (I/R Injury and Cell Death)

Laura Mauri, Brigham and Women's Hospital, USA
What Ischemic HFrEF Looks like Clinically and What I Wish I Had in My Toolbox

Richard N. Kitsis, Albert Einstein College of Medicine, USA
Novel Mechanisms of Cell Death

Junichi Sadoshima, Rutgers New Jersey Medical School, USA
Hippo Pathway and Myocyte Death

Short Talk(s) Chosen from Abstracts

Workshop 1: Does an X or Y Make a Difference for the Heart?

***Joseph A. Hill**, University of Texas Southwestern Medical Center, USA

David C. Page, Whitehead Institute for Biomedical Research, USA
Translate Mechanism to Practice: for Sex Differences in HF

Mansoureh Eghbali, University of California, Los Angeles, USA
Sex Hormone or Sex Chromosome: The Real Culprit in Cardiac Injury and Dysfunction

***Vera Regitz-Zagrosek**, Charité - University Medicine Berlin, Germany
Translational Aspects of Sex Differences in Myocardial Ischemia and Hypertrophy

Carolyn Lam, Duke-NUS Medical School, Singapore
Sex Differences in HF-Clinical Trial

Inflammation (Non-Ischemic) HFrEF

Douglas L. Mann, Washington University School of Medicine, USA
What Inflammatory HFrEF Looks like Clinically and What I Wish I Had in My Toolbox

Speaker to be Announced

Hongliang Li, Wuhan University, China
Novel Role of Innate Inflammatory Genes in Heart Disease

Short Talk Chosen from Abstracts

Poster Session 1

TUESDAY, JANUARY 16

HFrEF: Hypertensive Heart Disease (Hypertrophy, Fibrosis)

Joseph A. Hill, University of Texas Southwestern Medical Center, USA
What Hypertensive HFrEF Looks like Clinically and What I Wish I had in my Toolbox

Jeffery D. Molkentin, Cincinnati Children's Hospital Medical Center, USA

Mechanism of Cardiac Hypertrophy

Mark E. Anderson, Johns Hopkins University School of Medicine, USA

CaMKII as a Therapeutic Target in Heart Failure and Arrhythmias

Timothy A. McKinsey, University of Colorado Denver, USA
Epigenetic Regulation of Heart Failure

Short Talk(s) Chosen from Abstracts

Workshop 2: Big Data and Precision Medicine for Heart Failure

Peipei Ping, University of California, Los Angeles, USA
NHLBI Big Data to Knowledge

Elizabeth M. McNally, Northwestern University, USA
Genomic Solutions to Precision Medicine

Daniel P. Kelly, Sanford Burnham Prebys Medical Discovery Institute, USA
Integrated Profiling Approaches to Delineating the Metabolic Origins of Heart Failure

PH and RV Failure

Marlene Rabinovitch, Stanford University, USA
What PH and RV Failure Look like Clinically, and What I Wish I Had in My Toolbox

Stephan Rosenkranz, Klinik III für Innere Medizin, Germany
Novel Targets in Pulmonary Vascular Disease and RV Dysfunction

Mansoureh Eghbali, University of California, Los Angeles, USA
Role of Oxidized Lipids in PH and RV Failure

Short Talk Chosen from Abstracts

Poster Session 2

WEDNESDAY, JANUARY 17

HFrEF and Metabolism

Dale Abel, University of Iowa, Carver College of Medicine, USA
Mitochondrial Metabolism, Heart Failure and Cardiac Recovery

Peipei Ping, University of California, Los Angeles, USA
Mitochondrial Proteome in Heart Failure

Daniel P. Kelly, Sanford Burnham Prebys Medical Discovery Institute, USA
Mitochondrial Remodeling in Heart Failure

Rong Tian, University of Washington, USA
Mitochondrial Metabolism in Heart Failure

Short Talk(s) Chosen from Abstracts

Workshop 3: Pharma for HF, How NOT to Get Lost in Translation

Short Talks Chosen from Abstracts

HFrEF: Genetics and Epigenetics

Elizabeth M. McNally, Northwestern University, USA
How Genetics Informs the Care of HF

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Christine E. Seidman, Harvard Medical School, USA

Genetic Contribution to HF

Lucie Carrier, University Medical Center Hamburg-Eppendorf,
Germany

Gene Therapy for Inherited Heart Failure

Short Talk Chosen from Abstracts

Poster Session 3

THURSDAY, JANUARY 18

Keynote Address

Daria Mochly-Rosen, Stanford University, USA

Cardiac Disease: Crossing the Translational Divide

HFpEF (Mechanisms and Therapy)

David A. Kass, Johns Hopkins Hospital, USA

Dissecting Mechanisms of HFpEF - A Multiscale Approach

Carolyn Lam, Duke-NUS Medical School, Singapore

HFpEF Exists -- We Just Don't Know What to Call It

Wolfgang A. Linke, University of Munster, Germany

Targeting Cardiomyocyte Structure and Function in HFpEF

Short Talk(s) Chosen from Abstracts

HFrEF (Cellular and Molecular Therapy)

Roger J. Hajjar, Mount Sinai School of Medicine, USA

Gene-Based Therapy

Hesham A. Sadek, University of Texas Southwestern Medical Center,
USA

Rethinking the Effect of Hypoxia on Cardiomyocytes

Joseph C. Wu, Stanford University School of Medicine, USA

iPSCs for Precision Cardiovascular Medicine

Meeting Wrap-Up: Outcomes and Future Directions (Organizers)

FRIDAY, JANUARY 19

Departure