SUNDAY, JUNE 25
Arrival and Registration

MONDAY, JUNE 26
Welcome and Keynote Address (Joint)
Elizabeth M. McNally, Northwestern University, USA
Genetic Determinants of Heart Failure

The Metabolic Basis of Pulmonary Arterial Hypertension Beyond Glycolysis (Z8)
Marlene Rabinovitch, Stanford University, USA
Integrating Pathways in Pulmonary Hypertension

Douglas C. Wallace, Children's Hospital of Philadelphia, USA
Mitochondrial DNA and Phenotypic Modulation in Disease

Stephen L. Archer, Queen's University, Canada
The Role of Altered Mitochondrial Dynamics and Metabolism in Pulmonary Hypertension

Mohan Raizada, University of Florida, USA
The Symbiosis Between Metabolism and the Microbiome

Short Talks Chosen from Abstracts

Cell-Cell Cross-Talk (Z7)
Gillian A. Gray, Queens Medical Research Institute, UK
Intracellular Glucocorticoid Regeneration as a Novel Target to Regulate Infarct Repair and Progression to Heart Failure

Karin Sipido, KU Leuven, Belgium
Myofibroblast Modulation of Cardiac Myocyte Physiology

Crystal Ripplinger, University of California, Davis, USA
The Nervous Heart: Autonomic Remodeling Post-MI

Short Talks Chosen from Abstracts

Workshop 1: Imaging and Biomarkers of Disease Altering Therapies (Z8)

Short Talks Chosen from Abstracts

Workshop 1 (Z7)
Short Talks Chosen from Abstracts

How Epigenetic Changes and RNA Translation Govern Disease Susceptibility (Z8)
Juan Carlos Izipisua-Belmonte, Altos Labs, USA
The Aging Epigenome and Its Rejuvenation

Harry Karmouty-Quintana, University of Texas Health Science Center, USA
RNA Translation and the Proteome of Pulmonary Hypertension

Soni Savai Pullamsetti, Max-Planck-Institute for Heart and Lung Research, Germany
The Suppressor Function of Inc RNAs in Pulmonary Hypertension

Short Talks Chosen from Abstracts

Cell Heterogeneity in Heart Failure (Z7)
Amy D. Bradshaw, Medical University of South Carolina, USA
Fibroblast Activation Profiles in Pressure Overload

Jennifer Davis, University of Washington, USA
Mechanical Signaling Networks that Program Fibroblasts

Taben Hale, University of Arizona, USA
Sub-Populations of Resident Cardiac Fibroblasts in Hypertension: Taking a Census

Short Talk(s) Chosen from Abstracts

Poster Session 1

TUESDAY, JUNE 27
Cardiopulmonary Crossroads (Joint)
Tim Lahm, National Jewish Health, USA
Sex as a Determinant of Right Ventricular Dysfunction in Pulmonary Hypertension

Tami Martino, University of Guelph, Canada
Circadian Rhythms and HF Chronotherapy

Mark Gladwin, University of Maryland, USA
HFpEF, the Aging Heart and Pulmonary Hypertension

Rachel J. Roth Flach, Pfizer Inc., USA
New Therapeutics to Treat Heart Failure

Short Talks Chosen from Abstracts

Using Big Data to Understand Complex Disease (Z8)
Christopher Rhodes, Imperial College London, UK
The Significance of Noncoding Variants in Pulmonary Hypertension

Wendy K. Chung, Columbia University, USA
Penetrance of Mutations in Pediatric Pulmonary Hypertension

Tuuli Lappalainen†, New York Genome Center & Columbia University, USA
Talk Title to be Announced

Short Talks Chosen from Abstracts

Cell Responses to Myocardial Injury and Growth (Z7)
Leslie A. Leinwand, University of Colorado Boulder, USA
Diet and Exercise Effects on Cardiac Growth

Kristine Deleon-Pennell, Medical University of South Carolina, USA
T Cell Regulation of MI Remodeling

Heddwen L. Brooks, University of Arizona, USA
Cardiorenal Interactions in Menopausal Hypertension

Short Talk Chosen from Abstracts

Poster Session 2

WEDNESDAY, JUNE 28
Using Biology to Guide Vascular Regeneration (Z8)
Celeste M. Nelson, Princeton University, USA
Building Pulmonary Trees: Insights from the Embryo

Vinicio de Jesus Perez, Stanford University, USA
Restoring Normal Microvessels in Pulmonary Hypertension

Stella Kourembanas, Children's Hospital Boston, Harvard Medical School, USA
Vascular and Lung Regeneration and Exosomes

Rubin M. Tuder, University of Colorado Hospital - Anschutz, USA
Disease Heterogeneity and the Challenges in Evaluating Therapies for a Complex Disease

**Short Talks Chosen from Abstracts**

**Cardiometabolic Aspects of HF (Z7)**

Rebecca Ritchie, Monash Institute of Pharmaceutical Sciences, Australia
Diabetic Effects on Cardiac Remodeling

Susan E. Howlett, Dalhousie University, Canada
The Many Effects of Aging and Frailty on the Heart

Henry M. Colecraft, Columbia University, USA
Novel Genetically Encoded Calcium Channel Blockers

Helen E. Collins, University of Louisville, USA
Mechanisms Contributing to Pregnancy-Induced Cardiac Growth

**Short Talk(s) Chosen from Abstracts**

**Workshop 2: Narrowing the Gap Between Discovery and Therapy in Pulmonary Hypertension (Z8)**

**Short Talks Chosen from Abstracts**

**Workshop 2 (Z7)**

**Short Talks Chosen from Abstracts**

**The Inflammatory Basis of Pulmonary Hypertension (Z8)**

Sebastien Bonnet, Université Laval, Canada
Pulmonary Hypertension as a Systemic Disease

Kurt R. Stenmark, University of Colorado Denver, USA
The Interplay Between Fibroblasts and Monocytes in Pulmonary Hypertension

**Short Talks Chosen from Abstracts**

**Pharma Targets for Heart Failure (Z7)**

Zamaneh Kassiri, University of Alberta, Canada
Metalloproteases Make It or Break It

Jennifer E. Van Eyk, Cedars-Sinai, USA
Harnessing Proteomics for Novel HF Diagnostics and Therapies

Speaker to be Announced

**Short Talk Chosen from Abstracts**

* Session Chair † Invited but not yet accepted

**Program current as of November 17, 2022**

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KEYSTONE SYMPOSIA
on Molecular and Cellular Biology

Pulmonary Hypertension: State of the Art and Therapeutic Opportunities (Z8)
Scientific Organizers: Marlene Rabinovitch and Kurt R. Stenmark
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Heart Failure: All Cells Considered (Z7)
Scientific Organizers: Merry L. Lindsey, Crystal Ripplinger and Zamankeh Kassiri
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Meeting Wrap-Up: Outcomes and Future Directions
(Organizers) (Z8)

Meeting Wrap-Up: Outcomes and Future Directions
(organizers) (Z7)