

January 1-5, 2026 OUTRIGGER Waikiki Beachcomber Hotel 2300 Kalākaua Ave, Honolulu, HI 96815

DAY 1: THURSDAY, JANUARY 1, 2026

1:00-5:00 PM Registration

DAY 2: FRIDAY, JANUARY 2, 2026

Session 1: Cardiac Development & Vascular Cell Biology

15 min talk + 5 min Q&A

Location: O Ke Kai Ballroom

Moderator: Hong Chen and Ziqing Liu

**8:30-8:50 AM | Guang Li** - University of Pittsburgh Study of heart development at single cell level

**8:50-9:10 AM** | **Hongchao Guo** - University of Utah Elucidating the molecular mechanisms of cardiomyocyte maturation

9:10-9:30 AM | Mingtao Zhao - Nationwide Children's Hospital

Leveraging patient-specific iPSCs for precision medicine in congenital heart disease

9:30-9:50 AM | Break 1

9:50-10:10 AM | Joseph Miano - Augusta University

Evading Visceral Myopathy to Gain Vascular Vicissitude

**10:10-10:30 AM** | **Huabo Su** - Augusta University A posttanslational mechanism regulating cardiac maturation

**10:30-10:50 AM | Yabing Chen** - Oregon Health and Science University *VSMV resilience and aging* 

#### 10:50-11:10 AM | Break 2

# 11:10-11:30 AM | Xiaochun Long - Augusta University

VSMC phenotypic adaptation and resilience

# 11:30-11:50 AM | Jiliang Zhou - Louisiana State University

Master regulators in controlling smooth muscle phenotype

#### 11:50 AM-12:10 PM | Bo Liu - University of Wisconsin-Madison

Histone modification programs during smooth muscle cell phenotypic switch in aortic aneurysm

## 12:10-2:00 PM | Lunch Break

# Session 2: Cardiac Disease Mechanisms & Pathophysiology

#### 15 min talk + 5 min Q&A

Location: O Ke Kai Ballroom

Moderator: Long Sheng Song and Mingtao Zhao

### 2:00-2:20 PM | Lin Chang - University of Michigan

Functions of PRDM16 in cardiovascular system

## 2:20-2:40 PM | Hong Chen - Harvard Medical School

Molecular Mechanisms Regulating Coronary Heart Disease by Epsins

#### 2:40-3:00 PM | Yingfeng Deng - City of Hope

Uridine in metabolism and beyond

3:00-3:20 PM | Break 1

## 3:20-3:40 PM | Mark Ranek - Johns Hopkins University

Proteomic profiling of cardiac amyloidosis

#### 3:40-4:00 PM | Jifeng Zhang - University of Michigan Medical Center

TREM2 dynamic functions in the development of AAA

4:00-4:20 PM | Break 2

#### 4:20-4:40 PM | Rongxue Wu - University of Chicago

Intersecting Pathways: Hypoxia and Inflammation in Sepsis-Driven Heart Failure

#### 4:40-5:00 PM | Jingyan Han - Boston University

Microtopography-guided cell orientation in 3D-printed vessel for enhanced vascular functionality

### 6:30-8:00 PM | Dinner

# DAY 3: SATURDAY, JANUARY 3, 2026

# **Session 3: Protein Regulation & Vascular Disease**

15 min talk + 5 min Q&A

Location: O Ke Kai Ballroom

Moderator: Eugene Chen and Xiaochun Long

**8:30-8:50 AM** | **Jie Li** - Augusta University *Ufm1 modification in ER homeostasis* 

**8:50-9:10 AM | Xuejun Wang** - University of South Dakota The COP9 Signalosome in Neointimal Hyperplasia

**9:10-9:30 AM** | **Shiyou Chen** - University of Missouri *Arterial wall remodeling in vascular diseases* 

9:30-9:50 AM | Break 1

9:50-10:10 AM | Yanhong Guo - University of Michigan

Hypertriglyceridemia as a Key Contributor to Abdominal Aortic Aneurysm Development and
Rupture: Insights from Genetic and Experimental Models

**10:10-10:30 AM** | **Huaizhu Wu** - Baylor College of Medicine Inflammatory role in atherosclerosis with hypertriglyceridemia

**10:30-10:50 AM** | **Ziqing Liu** - Medical College of Wisconsin *RNA-binding proteins in vascular biology* 

10:50-11:10 AM | Break 2

**11:10-11:30 AM** | **Yanbo Fan** - The Ohio State University Coiled coil domain containing protein 92 and vascular diseases

**11:30-11:50 AM** | **Li Lai** - Houston Methodist *Metabolic control of cell fate transition during vascular recovery* 

**11:50-12:10 PM | Pengchun Yu** - Oklahoma Medical Research Foundation *Metabolic mechanisms regulating lymphatic vessel formation* 

12:10-2:00 PM | Lunch Break

# Session 4: RNA Biology & Regenerative Medicine

15 min talk + 5 min Q&A

Location: O Ke Kai Ballroom

Moderator: Liya Yin and Lei Yang

2:00-2:20 PM | Yiqiang Zhang - University of Hawaii at Manoa

Epigenetics of Cardiomyocyte Cell Cycle Control

**2:20-2:40 PM | Yao Wei Lu** - University of Southern California *Post-transcriptional Regulation in Cardiovascular Development* 

2:40-3:00 PM | Jianxiong Chen - Mississippi Medical Center

Endothelial PHD2 Deficiency Impairs Nitric Oxide Signaling and Cardiomyocyte Mitochondrial Ca<sup>2+</sup> Uptake, Leading to Diastolic Dysfunction

3:00-3:20 PM | Break 1

3:20-3:40 PM | Shengyu Li - Houston Methodist

Deep learning-based modeling of cellular state transitions

3:40-4:00 PM | Ting Ting Hong - The University of Utah

T-tubule Microdomain in Heart Failure

4:00-4:20 PM | Break 2

4:20-4:40 PM | Guizhen Zhao - University of Houston

SWI/SNF Chromatin Remodeling Complex in Cardiovascular Diseases

4:40-5:00 PM | Wuqiang Zhu - Mayo Clinic Arizona

Cardiac cell therapy for ischemia heart disease

6:30-8:00 PM | Dinner

# **DAY 4: SUNDAY, JANUARY 4, 2026**

Session 5: Cardiac Remodeling & Repair

15 min talk + 5 min Q&A

Location: O Ke Kai Ballroom

Moderator: Yabing Chen and Shijie Liu

## 8:30-8:50 AM | Liya Yin - The University of Arizona

The regulation of Coronary Vasculature Architecture in ischemic Heart Disease

### 8:50-9:10 AM | Ling Yang - University of Iowa

The lysosomal function in HFpEF

# 9:10-9:30 AM | Lei Yang - Indiana University

LncRNA-mediated lipid droplet transport system in human heart

#### 9:30-9:50 AM | Break 1

## 9:50-10:10 AM | Shijie Liu - Cincinnati Children's Hospital

The Microtubule network is required for YAP-induced sarcomere breakdown

### 10:10-10:30 AM | Na Li - Baylor College of Medicine

Targeting Inflammatory Signaling Pathways in Arrhythmias

## 10:30-10:50 AM | Ann Chiao - Oklahoma Medical Research Foundation

The role of mitochondrial NAD transporter SLC25A51 in cardiac maturation

### 10:50-11:10 AM | Long-Sheng Song - University of Iowa

Multifaceted Functions of Junctophilin-2 in the Heart

11:10-11:30 AM | Break 2

#### 11:30-11:50 AM | Hongyu Qu - The University of Arizona

VSMCs in aging and hypertension

#### 11:50 -12:10 PM | Chi Keung Lam - University of Delaware

Is Hsp90 a friend or a foe in cardioprotection?

#### 12:10-12:30 PM | Chun Liu - Medical College of Wisconsin

Decoding Cardiotoxicity with Human iPSCs and CRISPR Screens

#### 12:30-2:00 PM | Lunch Break

## Session 6: Metabolism, Aging & Future Technologies

15 min talk + 5 min Q&A

Location: O Ke Kai Ballroom

Moderator: Zhao Wang and Bo Liu

#### 2:00-2:20 PM | Yanqiao Zhang - The University of Arizona

The Role of ATF3 in Atherosclerosis

**2:20-2:40 PM | Chi Fung Lee** - Oklahoma Medical Research Foundation *Mitochondrial and NAD metabolism in cardiometabolic disease* 

**2:40-3:00 PM** | **Yingjie Chen** - University of Mississippi Medical Center Impact of cellular PD1 bioavailability on CD8 T cells' multiple functional capacities and cardiac inflammation

3:00-3:20 AM | Break

**3:20-3:40 PM | Xinrui Wang -** SUNY Upstate Medical University *Targeting TIP60 for heart repair* 

**3:40-4:00 PM** | **Xiaolei Liu** - Temple University

Chemokine signaling as a guiding cue regulating lymphatic development

**4:00-4:20 PM | Zhao Wang** - City of Hope Stress response in heart failure

**4:20-4:40 PM** | **Kai Wang -** Peking University, School of Basic Medical Sciences Injectable arterial organoids alleviate ischemic disease

**4:40-5:00 PM | Jinxi Wang** - University of Iowa Junctophilin-2 in Cardiac Fibroblasts is Key for Fibrotic Repair

**5:00-5:20 PM** | **Xi Wang** - Peking University, School of Basic Medical Sciences *Engineered stem cell-derived islets therapy for Type 1 diabetes* 

6:30-8:00 PM | Dinner

# DAY 5: MONDAY, JANUARY 5, 2026

# **Session 7: Panel Discussion and Workshop for Career Development**

Location: O Ke Kai Ballroom

9:00-10:00 AM | Panel Discussion: Future of Cardiovascular Research

Panelists: Xuejun Wang, Zhao Wang

10:00-10:30 AM | Break 1

10:30-11:30 AM | Workshop: Grant Opportunities & Collaboration Planning

Panelists: Eugene Chen, Yanbo Fan

# 11:30-2:00 PM | Lunch Break & Collaborative Planning

2:00-3:00 PM | Workshop: How to Publish in High-Impact Journals

Panelists: Na Li, Long Sheng Song

3:00-3:30 PM | Break 2

3:30-4:30 PM | Workshop: Managing Your Lab and Resources

Panelists: Yabing Chen, Ziqing Liu

4:30-5:00 PM | Closing Remarks & Farewell

**Organizing Committee**: John Shyy, Long-sheng Song, Yiqiang Zhang, Zhiyu Dai, Jingyan Han, Jun Wang, Haobo Li, Ziqing Liu

## If you have any question, please contact:

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