THE 8TH

Asian Cardiovascular Symposium

2026

BOSTON, MA
UNITED STATES

COLLABORATE. | DISCOVER. | ADVANCE.

DATE
JULY 12, 2026

LOCATION
Sheraton Boston
39 Dalton St,
Boston, MA 02199, United States

INNOVATE TOGETHER
IMPACT TOMORROW

The 8th Asian Cardiovascular Symposium

A pre-meeting symposium of
American Heart Association
BCVS Scientific Sessions 2026

A Celebration of Science, Culture & Community
Featuring Music, Talent Show & an Unforgettable Evening

Sunday, July 12, 2026
12 pm - 10 pm ET
Sheraton Boston Hotel
39 Dalton St, Boston, MA

Register here:
https://bit.ly/3Mqu6y6

Purchase **Dinner Tickets** here:
https://www.southasianheart.org/acs2026dinnerticket

KEYNOTE SPEAKER

John Elrod, Ph.D.

William Wikoff Smith Chair in Cardiovascular Medicine
Director and Professor
Lewis Katz School of Medicine
Temple University, Philadelphia, PA

For queries contact:
Dr. Danish Sayed
sayeddh@njms.rutgers.edu

The Academy of Cardiovascular Research Excellence (ACRE) https://my-acre.org/
Japanese Cardiovascular Research Association (JCRA)
Korean International Cardiovascular Society (KICS)
The Society for South Asian Heart Research (SAHR) https://www.southasianheart.org/

The 8th Asian Cardiovascular Symposium
A pre-meeting symposium of BCVS-2026

Sunday, July 12, 2026, 12 pm - 10 pm EDT
Sheraton Boston Hotel
39 Dalton St, Boston, MA

Jointly organized by:

Academy of Cardiovascular Research Excellence (**ACRE**)
Japanese Cardiovascular Research Association (**JCRA**)
Korean International Cardiovascular Society (**KICS**)
Society for South Asian Heart Research (**SAHR**)

Program at a glance:

12-1 PM – Registration
1-5 PM – Society Programs
5-6 PM – Poster Session
7-10 PM – Dinner & Keynote
Talent Show, Awards, and more…….

Online Registration Link: ***https://professional.heart.org/en/meetings/basic-cardiovascular-sciences***

Online Dinner Ticket Purchase Link: ***https://www.southasianheart.org/acs2026dinnerticket***

On-site registration: $99 **Location: Second Level**

See the **Floor Map** at the end of the program booklet

Final Program QR code

For questions, please contact
Dr. Danish Sayed, sayeddh@njms.rutgers.edu

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Overview of 8th ACS Program

12:00 - 1:00 PM	**Registration**				
1:00 - 5:00 PM	**Society Program**				
		ACRE (Commonwealth)	**JCRA (Hampton)**	**KICS (Gardner)**	**SAHR (Fairfax)**
	1:00 - 2:45	**Opening Session I** Featured Presentations	**Opening Session I** Featured presentations **Session II**	**Opening Session I** Featured presentation **Session II** Featured presentation	**Opening Session I** Mid-career /Established Faculty Presentations
		Exchange Speaker Seminar (From KICS)	**Exchange Speaker Seminar (From SAHR)**	**Exchange Speaker Seminar (From ACRE)**	**Exchange Speaker Seminar (From JACR)**
	2:45 - 3:00	**Coffee Break**			
	3:00 - 5:00	**Session II** ACRE-Cardiology Discovery Young Investigator Award Presentation **Session III** ACRE Junior Faculty Award Presentations	**Session III** Selected Oral Presentations	**Session III** Oral Abstract Presentations	**Session II** Pre-doctoral and Post-doctoral Trainee Presentations **Session III** Early career and Invited Speaker Presentations
5:00 - 5:15 PM	**ACS Group Photo (All Societies)**				
5:15 - 6:45PM	**Poster Session** Location: Back Bay Ballroom, Level 2				
6:45 - 10:00 PM	**ACS Joint Assembly and Dinner** Location: Grand Ballroom, Level 2				
	6:30 PM	Ticketed Bar			
	7:00 PM	Dinner and Entertainment			
	7:45 PM	BCVS Leadership Remarks			
	8:15 PM	Keynote Address: **John Elrod PhD**, Temple University			
	9:15 PM	Awards Announcement			
	9:45 PM	Closing Remarks			

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Special Acknowledgements

American Heart Association.
Basic Cardiovascular Sciences

Individual Donations

Dr. Raj Kishore, PhD	Dr. Satyamangla Prasad, PhD	Dr. Charles Thodeti, PhD
Dr. Yang Kevin Xiang, PhD	Dr. Viswanathan Rajagopalan, PhD	
Dr. Mahmood Khan, PhD	Dr. Hind Lal, PhD	Dr. Vishu Puri, PhD

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The Academy of Cardiovascular Research Excellence (ACRE) Oral Session

Commonwealth Ballroom (Level 3), 1:00 PM – 5:00 PM

Opening

1:00-1:05 PM **Opening Remarks**

Zhao Wang, PhD — President of ACRE
Huabo Su, PhD — Chair, Cardiac Council of ACRE
Yang (Kevin) Xiang, PhD — Chair, Program & Science Committee of ACRE

Session I Featured Presentation

Moderators: Guang Li, PhD, University of Pittsburgh
Lili Zhang, PhD, Boston Children's Hospital

1:05-1:25 PM Lu Han, PhD, Medical College of Wisconsin
Centrosome Dynamics in Cardiomyocyte Proliferation and Maturation

1:25-1:45 PM Xun Ai, MD, The Ohio State University
Inflammation-Induced Cardiac Remodeling and Arrhythmogenesis

1:45-2:05 PM Ying Mei, PhD, Clemson University
Engineered human cardiac organoids for heart repair

2:05-2:25 PM Exchanged Speaker
Bum-Rak Choi, PhD, Brown University
Targeting inflammation and oxidative stress to alleviate cardiac arrhythmia in sickle cell disease

Sponsor's Presentation

Moderators: Mingfu Wu, PhD, University of Houston

2:25 -2:29 PM Ming Chen, PhD, Shibeikang LLC
Shibeikang's Current R&D Pipeline: Key Candidates and Development Status

2:29-2:33 PM Gavin Zhang, PhD, Novoprotein Scientific Inc
5 Tips for Successfully Using Cytokines & Growth Factors for 3D Tissue & Organoid Culturing

2:33-2:37 PM Jiaxing Liu PhD, OBiO Tech,
Tailored Viral Vectors for Cardiovascular Research: Superior Specificity & Efficiency

2:37-2:41 PM Yajing Wang, MD, PhD, Associate Editor, Cardiology Discovery
Welcome to submit to the journal

2:41- 2:45 PM Group Photo (Commonwealth Hall, Level 3)

2:45- 2:55 PM ☕ Coffee Break: 10 min ☕

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Session II ACRE-Cardiology Discovery Young Investigator Award Presentation

Moderators: Wei Zhang, PhD, Temple University
Guoping Li, PhD, Harvard University

2:55 -3:10 PM Hui Wang, University of Washington
Patient-Derived Plakophilin 2 Mutation Induces Cardiac Metabolic Remodeling in a Mouse Model of Arrhythmogenic Cardiomyopathy

3:10 -3:25 PM Xuezhu Wang, Boston Children's Hospital
Single-Cell Spatiotemporal Mapping Defines Perivascular Immune Niches in Pressure Overload-Induced Cardiac Remodeling

3:25 -3:40 PM Sohom Mookherjee, University of Utah
Ceramide generation by cerebral endothelial cells during acute ischemic stroke worsens outcomes

3:40 -3:55 PM Feiya Li, Gladstone Institute
Deciphering the Contribution of HMGN1 to the Cardiac Defects of Trisomy 21 (Down Syndrome)

Session III ACRE Junior Faculty Award Presentation

Moderators: Han Zhu, MD, Stanford University
Chun Liu, PhD, Medical College of Wisconsin

3:55-4:10 PM Shah Ali, MD, Columbia University Medical Center
Cardiomyocyte Polyploidy Is Necessary for Mammalian Cardiac Homeostasis

4:10-4:25 PM Chang-Ru Tsai, PhD, Baylor College of Medicine
YAP Activation in Cardiomyocytes Induces a Regenerative Niche by Limiting Fibrosis and Expanding the Lymphatic Vasculature

4:25-4:40 PM Ziqing Liu, PhD, Medical College of Wisconsin
The splicing factor SF3B1 is essential for safeguarding splicing integrity and suppressing ferroptosis in endothelial cells to support angiogenesis

ACRE Annual Business Reports

4:45-4:50 PM ACRE Membership report from Dr. Yajing Wang (Co-Chair, Membership Committee of ACRE)
4:50-4:55 PM ACRE Financial report from Dr. Wei Guo (Treasurer of ACRE)

Closing Remarks

4:55-5:00 PM Hong Chen, PhD (President Elect of ACRE), Boston Children's Hospital, Harvard Medical School

Group Photo

5:00-5:10 PM ACS Official Whole Group Photo

Poster Session (joint)

5:10-6:45 PM Poster viewing
Back Bay Ballroom, Level 2

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2026 ACRE Travel Award Winners

Name	Institution
Wei-Ting Chang	Chi Mei Medical Center
Xiao-Yu Tian	The Chinese University Hong Kong
Tian Hao	Massachusetts General Hospital
Dao-Fu Dai	Johns Hopkins Medicine
Wen Pan	University of California, Los Angeles
Sriram Ravindran	UNC at Chapel Hill
Carl Tong	University of Arizona
Yunqiu Jiang	City of Hope
Edilamar Oliveira	School of Physical Education and Sport, USP
Yanhan Dong	UNC at Chaple Hill
Yanli Xu	UT Southwestern Medical Center
Yilang Li	Augusta University
Omar Rababh	University of Iowa
Genaro Ramirez Correa	UTRGV, COS, Human Genetics
Yanghai Zhang	University of Wisconsin-Madison

The Japanese Cardiovascular Research Association (JCRA) Oral Session

Hampton Ballroom (Level 3), 1:00 PM – 5:00 PM

Opening

1:00 PM-1:05 PM **Opening Remarks**
Masataka Nishiga, MD, PhD, The Ohio State University, JCRA Chair

Session I **Featured Presentations**

Moderators: Masataka Nishiga, MD, PhD, The Ohio State University
Daisuke Yoshinaga, MD, PhD, Boston Children's Hospital

1:05 PM- **Arata Sano**, MD, PhD, Boston Children's Hospital
Investigating endothelial S1PR1 signaling in HFpEF

1:20 PM- **Hiroko Wakimoto**, MD, PhD, Harvard Medical School
Development of Therapeutic Strategies for Cardiomyopathy

1:35 PM- **Tadashi Yamamuro**, MD, PhD, Beth Israel Deaconess Medical Center
How Do Mitochondria Make Fat?

1:50 PM- **Junya Aoyama**, MD, PhD, The University of Osaka/ Cuorips Inc.
Minimally Invasive Transplantation of Regenerative Cardiac Organoids Improves Regional Myocardial Function in Ischemic Cardiomyopathy

Session II **Special Guest Lecture from SAHR (Exchange Program)**

Moderator: Satoru Kobayashi, PhD, New York Institute of Technology

2:05 PM- **Harpreet Singh**, PhD, The Ohio State University
Hidden Currents: Unraveling the Molecular Identity and Roles of Mitochondrial Chloride Channels

Sponsor Presentation

2:30 PM- **Tomoaki Masuda**, PhD, MIFI Bioceuticals/PeptiGrowth
2:35 PM- **Shintaro Kira**, PhD, The Japan Wool Textile (Nikke)

2:40 PM- **JCRA Group Photo** (Hampton Ballroom)

2:50 PM **Coffee Break (10min)**

Session III **Selected Oral Presentation**

Moderators: Seitaro Nomura, MD, PhD, The University of Tokyo
Jin O-Uchi, MD, PhD, University of South Florida
Kohta Ikegami, PhD, Cincinnati Children's Hospital Medical Center

3:00 PM **Laura BEN DRISS**, PhD, Harvard University
Proteolytic Activation of GDF11 Defines a Regulatory Checkpoint Governing Atrial Fibrosis.

3:10 PM **Genki Ichihara**, MD, PhD, University of Pennsylvania
In situ focused microwave fixation provides an instantaneous snapshot of the heart metabolome.

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3:20 PM **Susan Kim**, BS, Johns Hopkins University School of Medicine
A Minor Pacemaker Cell Population Dominates Tissue-Level Electrophysiology in hiPSC-derived Atrial Cardiomyocyte Cultures.

3:30 PM **Misato Koakutsu**, PhD, Johns Hopkins University School of Medicine
Epicardial-Integrated Human Sinoatrial Node Organoids Recapitulate Pacemaker Function and Overcome Source-Sink Mismatch.

3:40 PM **Kohta Ikegami**, PhD, Cincinnati Children's Hospital Medical Center
Nuclear Envelope Rupture Causes RNA Polymerase Loss in LMNA cardiomyopathy.

3:50 PM **Break (10min)**

4:00 PM **Lily Slotabec**, BS, University of South Florida
Phosphorylation of mitofusin 2 promotes right ventricular fibrosis in pulmonary arterial hypertension.

4:10 PM **Genaro Antonio Ramirez-Correa**, MD, PhD, Department of Human Genetics, College of Sciences, UTRGV
Kinase and O-GlcNAc Signaling Cooperatively Drive Hypertrophic Remodeling in MYBPC3-Mutant Human iPSC-Derived Cardiomyocytes.

4:20 PM **Sachie Kasukabe**, MD, PhD, Tohoku University, Osaki Citizen Hospital
TRAK2 Regulates Endothelial LDL Transcytosis via Microtubule-Associated Vesicular Trafficking

4:30 PM **Julia Kar**, PhD, University of South Alabama
Subclinical Cancer Therapy-related Cardiac Dysfunction (CTRCD) Detected with Cardiac Magnetic Resonance (CMR) Global Longitudinal Strain (GLS) is a Prognosticator of Long-term Major Adverse Cardiac Events (MACE) and Mortality.

Closing Remarks/ Group Photo

4:45 PM-5:00 PM **Closing Remarks**
Satoru Kobayashi, PhD, New York Institute of Technology

Poster Session (joint)

5:00 PM-6:45 PM Poster viewing – (Sponsor Poster)
Back Bay Ballroom, Level 2

Korean International Cardiovascular Society (KICS) Oral Session

Room: GARDNER (Level 3), 1:00 PM – 5:00 PM

Opening

1:00 PM-1:05 PM **Opening Remarks**
Youngkeun Ahn, MD. & PhD. Chonnam National University, Korea
Young-sup Yoon, MD. & PhD. Emory University School of Medicine, USA

Session I **Featured Presentation**
Moderator: Kyoung Han Kim, PhD. University of Ottawa Heart Institute, Canada

1:05 PM-1:25 PM Il-man Kim, PhD. Indiana University School of Medicine, USA
Linking β-Adrenergic Receptor Signaling to the Biogenesis of Noncoding RNAs in Heart Failure

1:25 PM-1:45 PM Chul-Hwan Lee, PhD. Seoul National University, Korea
EZH1 Safeguards Cardiomyocyte Identity by Organizing H3K27me3 Chromatin Architecture and Prevents Fibrotic Activation

1:45 PM-2:05 PM Bong Sook Jhun, PhD. University of South Florida, USA
Mitochondrial PKD as a Therapeutic Target for Right Ventricular Fibrosis in PAH

2:05 PM-2:10 PM **Break (5 min)**

Session II **Featured Presentation, *Exchange talk with JCRA***
Moderator: Sang-Ho Lee, PhD. Emory University, USA

2:10 PM-2:30 PM Youngkeun Ahn, MD. & PhD. Chonnam National University, Korea
ANGPTL4 Prevents Atherosclerosis by Preserving KLF2 to Suppress EndMT and Mitigates Endothelial Dysfunction

2:30 PM-2:50 PM Yi Hong, PhD. University of Texas, Arlington, USA (ACRE guest speaker)
Engineering Biological Materials for Cardiomyocyte Culture

2:50 PM-3:00 PM **Coffee Break (10 min)**

Session III **Oral Abstract Presentation**
Moderator: Bong Sook Jhun, PhD. University of South Florida, USA
Jihyun Jang, PhD. Nationwide Children's Hospital, USA
Panels: Youngkeun Ahn, MD. & PhD. Chonnam National University, Korea
Il-man Kim, PhD. Indiana University School of Medicine, USA
Chul-Hwan Lee, PhD. Seoul National University, Korea
Sang-Ho Lee, PhD. Emory University, USA
Kyoung Han Kim, PhD. University of Ottawa Heart Institute, Canada
Hee Cheol Cho, PhD. Johns Hopkins University, USA
Changwon Park, PhD. Louisiana State University Health, USA

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3:00 PM-3:09 PM Sooji Yoo. Cell Regeneration Research Institute, Chonnam National University, Korea
Developmentally Guided Human Cardiac Organoids Reproducibly Form Epicardial–Myocardial Organization and Myocardial Compaction–Like Remodeling.

3:10 PM-3:19 PM Seonggeon Cho. Emory University, USA
Direct conversion of human somatic cells into a vascular tissue-like structure.

3:20 PM-3:29 PM Joo Young Kweon. Pohang University of Science and Technology, Korea
Membrane-Assisted Cerebral Organoid Transplantation for Neural Reconstruction after Stroke.

3:30 PM-3:39 PM Yongjun Jang. Harvard University, USA
Genetic Background and Flecainide Responsiveness in RYR2-G3946S Catecholaminergic Polymorphic Ventricular Tachycardia.

3:40 PM-3:49 PM Younghwan Choi. Johns Hopkins University, USA
Sinoatrial Node-like Extracellular Matrix Enhances Entrainment of TBX18-Induced Pacemaker Cells.

3:50 PM-4:59 PM Tae Eun Kwon. NYU Grossman School of Medicine, USA
Proximity to Superfund Sites and Prevalence of Stroke and Hypertension in California.

4:00 PM-4:09 PM Jin Hyuk Kim. Korea University Guro Hospital, Korea
Imaging-Guided Photoactivatable Rapamycin Delivery Drives Potent Plaque Regression and Inflammation Ablation Assessed by Serial Intravital Imaging.

4:10 PM-4:19 PM Hyeryeong Lee. Konkuk University, Korea
Large arteries exist in an intrinsically oxidized redox state that limits H2O2-Endothelium-derived hyperpolarizing factor signaling.

4:20 PM-4:29 PM Hyun Ji An. Harvard University, USA
Molecular Mechanisms of Protein Homeostasis during Neonatal Heart Regeneration.

4:30 PM-4:39 PM Julie Pan. University of Ottawa Heart Institute, Canada
Transcriptomic Profiling of Transmural Gradients and Their Dependence on Irx5 in the Normal and Diseased Ventricular Myocardium.

4:40 PM-4:49 PM Hyekyoung Sung. York University, Canada
ALY688 Protects Against Myocardial Ischemia-Reperfusion Injury via Direct Effects and Rab8a-dependent Extracellular Vesicles.

Closing

4:50 PM-5:00 PM **Closing Remarks**
Young-sup Yoon, MD. & PhD. Emory University School of Medicine, USA
Youngkeun Ahn, MD. & PhD. Chonnam National University, Korea

Group Photo

5:05 PM-5:10 PM

Poster Session (joint)

5:10 PM-6:45 PM Poster viewing
Back Bay Ballroom, Level 2

Society for South Asian Heart Research (SAHR) Oral Session

Fairfax Ballroom (Level 3), 1:00 PM – 5:00 PM

Opening	
1:00 to 1:07 PM President's Note:	**Welcome note, History and Vision** Sathyamangla Prasad, PhD, Cleveland Clinic, Ohio
1:07 to 1:10 PM Programming Chair's Note:	**Programming Committee (Introduction, Commitment, and Effort)** Shyam S. Bansal, PhD, Pennsylvania State University
Session I	**Invited Faculty and Exchange Speaker Seminar Presentations (15 min Presentation + 3 min Q & A)**
1:10 PM - 1:12 pm	**Introduction - Moderators:** • Latha P. Ganesan, PhD, The Ohio State University • Vishwajeet Puri, PhD, Ohio University
1:12 PM - 1:30 PM	Swetansu K Hota, PhD, Assistant Professor, Indiana University Title: *Chromatin Remodeler Regulation of Cell Fate in Cardiogenesis*
1:30 PM - 1:48 PM	Sangita Choudhury, PhD, Assistant Professor, Harvard Medical School Title: *Mapping Genomic and Transcriptomic Remodeling in Ischemic Heart Disease at Single-Cell Resolution*
1:48 PM - 2:06 PM	Vinod Kumar, MD, DM, Associate Professor, Department of Cardiology, SRIHER Title: *The Redox Paradox in Heart Failure: When Biology Outpaces Therapeutics*
2:06 PM - 2:24 PM	Partha Dutta, DVM, PhD, Professor, University of Pittsburgh Title: *Macrophage Metabolism and Cardiovascular Disease*
2:24 PM - 2:44 PM	Asuka Eguchi, PhD, Assistant Professor, University of California, Irvine Title: *Considerations for Gene Therapy for Duchenne Muscular Dystrophy*
2:45 PM - 3:00 PM	**Coffee Break (15 min)**
Session II	**Data Blitz: Pre- and Post-doctoral Trainees, Early-Career Faculty and Invited Guest Presentations (Selected Talks from BCVS Best Abstracts; 5 slides; 5 min+1 min Q&A)**
3:00 PM - 3:02 pm	**Introduction - Moderators:** • Michelle Parvatiyar, PhD, Florida State University • Rajika Roy, PhD, Duke University
3.02 PM - 3:08 PM	Anusua Sarkar, BS, The Ohio State University Title: *Optogenetic Repolarization of Mitochondrial Membrane Potential Protects Cardiomyocytes from Ischemia-Reperfusion and Mitochondrial Stress*

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3:08 PM - 3:14 PM — Maddy Cohen, BS, Temple University
Title: *Estrogen-Independent Epigenetic Modulation of Macrophage Polarization and Cardiac Remodeling After Myocardial Infarction*

3:14 PM - 3:20 PM — Gallage HDN Ariyaratne, BS, Florida State University
Title: *Role of Osteopontin in Late-Stage Myocardial Remodeling and Electrical Instability in Arrhythmogenic Cardiomyopathy*

3:20 PM - 3:26 PM — Shanshan Gao, PhD, University of Colorado
Title: *STAT5A Activation Drives Pathogenic Lipid Remodeling in FLNC-Deficient Cardiomyocytes*

3:26 PM - 3:32 PM — Kalyani Ananthamohan, PhD, University of Arizona
Title: *Tissue-Specific Inflammation, Immune Response, and Ventricular Remodeling in Hypertrophic Cardiomyopathy*

3:32 PM - 3:38 PM — Kartiga Natarajan, PhD, Houston Methodist Hospital
Title: *Reversible Alternative Polyadenylation Remodeling During Cardiac Recovery After Left Ventricular Assist Device Support*

3:38 PM - 3:44 PM — Shivani Arora, PhD, Assistant Professor, Clemson University
Title: Early Vascular Enescence and Inflammasome-Associated Inflammation Precede Medial Arterial Calcification in Chronic Kidney Disease.

3:44 PM - 3:50 PM — Ravi Balijepalli, PhD, Program Director, NHLBI
Title: *Demystifying NIH/NHLBI Research Program, Priorities and Initiatives.*

Session III — SAHR Townhall: Directions, Suggestions and Future

4:00 PM - 4:40 PM — **Facilitators :** Danish Sayed, PhD, and Suresh Verma, PhD (Secretaries)

President	: Sathyamangala Prasad, PhD, Cleveland Clinic
President Elect	: Charles Todeti, PhD, University of Toledo
Programming Chair	: Shyam S. Bansal, PhD, Pennsylvania State University
Mentorship Chair	: Hind Lal, PhD, University of Alabama at Birmingham
Early Career Committee Chair	: Dhanendra Tomar, PhD, Wake Forest University
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Membership Comm. Chair	: Venkatesh Sundararajan, PhD, West Virginia University
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International Liaison	: Rajasekaran Namakkal-Soorappan, PhD, Univ of Alabama at Birmingham
Awards Committee	: Sakthivel Sadayappan, PhD, University of Arizona

Topics to be covered

1) Executive committee selection and tenure
2) Selection of Committee Members
3) SAHR Memberships
4) Mentoring and Early Career Involvement in SAHR
5) Fund raising
6) SAHR Promotion, SAHR Awards, and international SAHR Chapters

Closing Remarks/ Photo Session

4:40 PM-4:45 PM — Early Career Vice-Chair: Srikanth Garikipati, PhD, Temple University
4:45 PM-4:50 PM — Programming Vice-Chair: Padmini Sirish, PhD, University of California, Davis

4:50 PM-5:00 PM — SAHR Members Group Photo session (Fairfax Ballroom)

5:15 PM-6:45 PM — **Poster viewing (Back Bay Ballroom, Level 2)**

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2025 ACS Joint Assembly Session and Dinner

Room: Grand Ballroom, 6:30 PM – 10:00 PM

7:00 - 7:05 Opening Remarks

Welcome Note: Satyamangla Prasad, PhD, Cleveland Clinic

7:05 - 7:45 Dinner and Entertainment

Solo performances: Srikanth, Rongxue (Rosie), and Danish
Saxophone: Jianli (Jimmy)
Group Performances: Lead: Rongxue (Rosie)
Grand Finale:

Beyond Science: Celebrating Asian Cultural Heritage Through a Fashion Walk

7:45 - 8:00 ACS Program Introduction

ACRE Zhao Wang, PhD, City of Hope
JCRA Masataka Nishiga, MD, PhD, Stanford University School of Medicine
KICS Young-sup Yoon, MD, PhD, Emory University School of Medicine
SAHR: Sathyamangla Prasad, PhD, Cleveland Clinic

8:00 - 8:15 BCVS Leadership Remarks

Drs. Joe Wu**,** Maria Kontaridis**,** Jiang Chang**,** Justin Denison, Konstantinos Drosatos, Joseph Hill, Raj Kishore, Xinliang Ma, Bradley Maron, Alcaide Pilar, Sakti Sadayappan, Junichi Sadoshima, Hesham Sadek, Farah Sheikh, Yibin Wang, Sean Wu, Jianyi (Jay) Zhang**.**

8:15 - 9:15 Keynote Speech

Moderator: Charles Thodeti, PhD, University of Toledo

Mitochondria, Metabolism, and the Long Road to Calcium-Organized Biology

John Elrod, PhD, FISHR
Temple University
W.W. Smith Chair in Cardiovascular Medicine
Director, Aging + Cardiovascular Discovery Center
Lewis Katz School of Medicine

9:15 - 9:45 Award Announcement

ACRE **Drs. Qian Li & Hong Lu,** Ph.D, UNC School of Medicine & University of Kentucky
JCRA **Dr. Koichiro Kuwahara,** MD, PhD**,** Shinshu University School of Medicine
KICS **Dr. Youngkeun Ahn,** MD,PhD**.** Chonnam National University, Korea
SAHR **Drs. Shyam Bansal, Padmini Sirish, Charles Thodeti**, PhD

9:45 Closing Remarks

Danish Sayed, MD, PhD, SAHR Secretary, ACS Coordinator, Rutgers NJMS.

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2025 ACS Poster Session

The Academy of Cardiovascular Research Excellence (ACRE)

Room: Back Bay ballroom (Level 2), 5:00 PM – 6:45 PM

All poster presenters are requested to set up their posters at the Board numbers specified on the board.

Board#	Ctr#	First	Last	Title
A1	4518866	Wei-Ting	Chang	ALDH2 Deficiency Exacerbates Mitochondrial Oxidative Stress and Impairs Limb Tissue Integrity
A2	4525667	Hui	Wang	Patient-Derived Plakophilin 2 Mutation Induces Cardiac Metabolic Remodeling in a Mouse Model of Arrhythmogenic Cardiomyopathy
A3	4523864	Shah	Ali	Cardiomyocyte Polyploidy Is Necessary for Mammalian Cardiac Homeostasis
A4	4534304	Chang-Ru	Tsai	YAP Activation in Cardiomyocytes Induces a Regenerative Niche by Limiting Fibrosis and Expanding the Lymphatic Vasculature
A5	4525664	Jianqiu	Zou	A Novel Ubiquitin Ligase Complex Orchestrates Cardiomyocyte Maturation and Mitochondrial Homeostasis
A6	4530897	Zachery	Gregorich	Cytoplasmic RBM20 granules are sufficient to drive severe dilated cardiomyopathy
A7	4516175	Xuezhu	Wang	Single-Cell Spatiotemporal Mapping Defines Perivascular Immune Niches in Pressure Overload-Induced Cardiac Remodeling
A8	4526880	Sohom	Mookherjee	Ceramide generation by cerebral endothelial cells during acute ischemic stroke worsens outcomes
A9	4531111	Feiya	Li	Deciphering the Contribution of HMGN1 to the Cardiac Defects of Trisomy 21 (Down Syndrome)
A10	4527265	Xiao-Yu	Tian	Endothelial BMAL1 Protects Cardiac Microvascular Homeostasis by Maintaining Ribosomal Function and Limiting EndMT in HFpEF
A11	4530864	Tian	Hao	Modulation of RNA Pseudouridylation Activates Autophagy and Mitigates Adverse Cardiac Remodeling
A12	4530223	Dao-Fu	Dai	Integrated Stress Response ATF4 and Caveolins Mediate Stress-Induced Ventricular Tachycardia in Cystic Fibrosis (CF)
A13	4526003	Wen	Pan	SAP97 Orchestrates a Complex Coupling of β1-Adrenergic Receptor to SERCA2a in the Heart
A14	4531195	Sriram	Ravindran	Loss of Mospd3 Aggravates Hypertrophic Remodeling in Stress Induced Mouse Heart
A15	4524476	Yunqiu	Jiang	Lipid Peroxidation Promotes Ventricular Arrhythmogenesis Through Disrupted Calcium Handling
A16	4531189	Edilamar	Oliveira	Breast Cancer–Induced Cardiac Atrophy Is Mediated by Apoptotic Signaling Pathways.
A17	4518877	Wei-Ting	Chang	ALDH2 Deficiency Exacerbates Alcohol-Associated Post-Infarction Cardiac Remodeling Through Mitochondrial ATP Synthase Dysfunction
A18	4524760	Yanhan	Dong	YBX1 Condensates Mediated Post-transcriptional RNA Programs Essential for Early Cardiac Repair
A19	4526222	Yanli	Xu	Nuclear Factor IB (NFIB) promotes cardiomyocyte proliferation and reduces scar formation during neonatal heart generation
A20	4524155	Yilang	Li	OTUD6B Is Essential for Heart Development and Adult Cardiac Function
A21	4531294	Genaro	Ramirez Correa	Divergent Myofilament and Metabolic Phosphorylation Programs Define Impaired Contractile Adaptation in Heart Failure With Preserved Ejection Fraction
A22	4525197	Han	Xiao	PAX4 Drives Cardiac Fibrosis in Heart Failure and Represents a Target for Fibrosis Reversal

A23	4524465	Xinyi	Zhou	Inhibition of CaMKIIδ Rescues RBM20 Mutation-Associated Dilated Cardiomyopathy
A24	4526005	Yanping	Xu	A Non-Pyroptotic Nuclear Role of Gasdermin D in Skeletal Muscle Regeneration
A25	4529755	Ziqing	Liu	The splicing factor SF3B1 is essential for safeguarding splicing integrity and suppressing ferroptosis in endothelial cells to support angiogenesis
A26	4516940	Josue	Zambrano-Carrasco	Nuclear RBX1 Maintains Cardiomyocyte Chromatin Architecture by Repressing KDM3A
A27	4526658	Aaron	Argall	Trisomy 21 Alters Cardiac Differentiation Trajectories and 3D Cardioid Morphogenesis in a DS+AVSD iPSC Model
A28	4527519	Mengmeng	Huang	Dosage-sensitive RBFOX2 autoregulation promotes cardiomyocyte differentiation by maturing the transcriptome
A29	4527034	Yao Wei	Lu	PCBP1 Safeguards AARS2 Alternative Splicing to Prevent Mitochondrial Cardiomyopathy
A30	4530892	Vineet	Sharma	Effects of isochoric supercooling on intracellular sarcoplasmic reticulum calcium cycling in ex vivo murine hearts.
A31	4530250	Nam	Truong	A Human Pacemaker Cell Aging Model Reveals Conserved Molecular and Functional Remodeling of the Sinoatrial Node
A32	4524448	Xin	Wang	Decoding Chamber-Specific Cardiac Microenvironments and Macrophage Heterogeneity
A33	4524088	Miao	ZHANG	The Potassium Selectivity of KCa2.2 Channels is Redox-sensitive
A34	4524400	Zhentao	Zhang	Age-Dependent Gata4 Decline in Cardiac Fibroblasts Drives Cellular Senescence and Cardiac Fibrosis
A35	4527219	Yang	Yu	Elucidating cardiac lineage specification defects in hypoplastic right heart syndrome using patient-specific iPSC-derived cardioids
A36	4530937	Kohta	Ikegami	Nuclear Envelope Rupture Causes RNA Polymerase Loss in LMNA cardiomyopathy
A37	4523248	Guang	Li	Vascularization of heart organoid enhanced cardiomyocyte maturation
A38	4529778	Lihua	Pan	Loss of RNA helicase DDX21 Disrupts Ventricular Morphogenesis and Causes Perinatal Lethality
A39	4526964	Jing	Wang	A Continuum of Atrial Peristalsis Initiates the Bicuspid to Quadricuspid Valve Transition
A40	4529463	Yijun	Yang	Lactation drives divergent postpartum cardiac remodeling
A41	4526713	Wa	Du	Endothelial IREB2 Promotes Vascular Recovery in Cadmium-Associated Peripheral Artery Disease
A42	4525145	Coneria	Nansubuga	Vascularized Cardiac Organoids as a Model to Understand Endothelial-Cardiomyocyte Communication in Doxorubicin-Induced Cardiotoxicity
A43	4526380	Katherine	Hamm	Novel Cardiomyocyte-Specific Rbm20 Knockout leads to Arrythmias and Heart Failure in Mice
A44	4530774	Zhe	Han	A Neuroendocrine Cardiac Neuron Pathway Mediates Metabolic Stress Induced Arrhythmia In Drosophila
A45	4529669	Chi Fung	Lee	The roles of aging and NAD metabolism in regulating immune remodeling in heart failure with preserved ejection fraction (HFpEF)
A46	4526042	Wing Tak Jack	Wong	PD-L1: A Multifaceted Player in Metabolic Syndromes
A47	4527284	Anza	Ali	SPEG Dysregulation as a Molecular Driver of Diabetes Induced HFpEF
A48	4528337	Laura	BEN DRISS	Proteolytic Activation of GDF11 Defines a Regulatory Checkpoint Governing Atrial Fibrosis

Japanese Cardiovascular Research Association (JCRA)

Back Bay ballroom (Level 2), 5:00 PM – 6:45 PM

All poster presenters are requested to set up their posters at the Board numbers specified on the board.

Board#	Ctr#	First	Last	Title
J1	4518454	Hidenori	Kojima	MicroRNA-33 inhibition ameliorates muscular dystrophy by enhancing skeletal muscle regeneration
J2	4520563	Takayuki	Fujiwara	A Subepicardial Macrophage–Angiogenin Axis Drives Adaptive Angiogenesis in Pressure Overload
J3	4521363	Junya	Aoyama	Minimally Invasive Transplantation of Regenerative Cardiac Organoids Improves Regional Myocardial Function in Ischemic Cardiomyopathy
J4	4521746	Takahiro	Ohmori	Effects of empagliflozin on aortic valve fibrosis and calcification in mice after wire injury
J5	4522021	Masatsugu	Oishi	TAOK1 Modulates Stress-Activated MAPK Signaling in Cardiomyocytes and Improves Post-Infarction Cardiac Remodeling and Survival
J6	4525209	Kazuhiro	Kuroda	The complement C3-complement factor D-C3a receptor signaling axis regulation for right heart failure.
J7	4525376	Naoto	Muraoka	In vivo Mosaic Screening Identifies Novel Therapeutic Targets for Heart Failure with Preserved Ejection Fraction
J8	4526632	Sachie	Kasukabe	TRAK2 Regulates Endothelial LDL Transcytosis via Microtubule-Associated Vesicular Trafficking
J9	4526995	Aleksandra	Babicheva	Sex-Dependent Stress Signaling and Right Ventricular Contractile Adaptation to Pressure Overload in Pulmonary Hypertension
J10	4527017	Susan	Kim	A Minor Pacemaker Cell Population Dominates Tissue-Level Electrophysiology in hiPSC-derived Atrial Cardiomyocyte Cultures
J11	4527364	Misato	Koakutsu	Epicardial-Integrated Human Sinoatrial Node Organoids Recapitulate Pacemaker Function and Overcome Source-Sink Mismatch
J12	4527483	Lily	Slotabec	Phosphorylation of mitofusin 2 promotes right ventricular fibrosis in pulmonary arterial hypertension.
J13	4528346	Laura	BEN DRISS	GDF11 Modulates Inflammatory Timing to Restrain Cardiac Fibrosis Through Macrophage–Fibroblast Reprogramming
J14	4529112	Bruno	Pelozin	Aerobic Exercise Training Restores lncRNA Expression in Ischemic Heart Failure in Both Sexes
J15	4529459	Tetsuro	Wakatsuki	Gelatin Microfiber Mesh Promotes Cardiac Organoid Formation and Adult-Like Contractile Maturation
J16	4529944	Genki	Ichihara	In situ focused microwave fixation provides an instantaneous snapshot of heart metabolome
J17	4530599	Yuta	Yamamoto	Multidimensional Functional Mapping of MYBPC3 Variants in Cardiomyocytes
J18		Seitaro	Nomura	Chromatin DNA Pathology in Heart Failure
J19		Ryoko	Hirohata	In Vitro Screening Identifies a Novel Agent Regulating Cardiac Homeostasis in Doxorubicin-Induced and Genetic DCM Mouse Models

Korean International Cardiovascular Society (KICS)

Back Bay ballroom (Level 2), 5:00 PM – 6:45 PM

All poster presenters are requested to set up their posters at the Board numbers specified on the board.

Board#	Ctr#	First	Last	Title
K01	4523696	Namsik	Yoon	Antiarrhythmic effect of Shensong yangxin in an Ex – vivo canine model of Brugada syndrome
K02	4525712	Chul-Hwan	Lee	EZH1 Safeguards Cardiomyocyte Identity by Organizing H3K27me3 Chromatin Architecture and Prevents Fibrotic Activation
K03	4526056	James	Jahng	SIRT3 Activator Honokiol Prevents Cardiac Dysfunction After Thoracic Irradiation via Mitochondrial Homeostasis
K04	4526391	Jin Hyuk	Chang	Standardized Ipsc-Cardiomyocyte Manufacturing and Long Read Rna Sequencing Enables Mechanistic Dissection of LMNA-Associated Cardiomyopathy Pathogenesis
K05	4526486	Soah	Lee	Developmental Bioprinting of Undifferentiated iPSCs Enables Self-Organized Cardiac Tissue Formation
K06	4526514	Goo Taeg	Oh	PCSK7 deficiency promotes IL-4+ T cell–mediated cardiac repair after myocardial infarction
K07	4526560	Dong-Im	Cho	ANGPTL4 Preserves Endothelial Identity and Suppresses EndMT: Extending Findings to Human iPSC-Derived Atheroid Models
K08	4526677	Joo Young	Kweon	Membrane-Assisted Cerebral Organoid Transplantation for Neural Reconstruction after Stroke
K09	4526862	Hyekyoung	Sung	ALY688 Protects Against Myocardial Ischemia-Reperfusion Injury via Direct Effects and Rab8a-dependent Extracellular Vesicles
K10	4526863	Younghwan	Choi	Sinoatrial Node-like Extracellular Matrix Enhances Entrainment of TBX18-Induced Pacemaker Cells
K11	4527079	Hyeryeong	Lee	Large arteries exist in an intrinsically oxidized redox state that limits H2O2-Endothelium-derived hyperpolarizing factor signaling
K12	4527296	Seonggeon	Cho	Direct conversion of human somatic cells into vascular tissue-like structure
K13	4527526	Sooji	Yoo	Developmentally Guided Human Cardiac Organoids Reproducibly Form Epicardial–Myocardial Organization and Myocardial Compaction–Like Remodeling
K14	4529853	Tae Eun	Kwon	Proximity to Superfund Sites and Prevalence of Stroke and Hypertension in California
K15	4530537	Julie	Pan	Transcriptomic Profiling of Transmural Gradients and Their Dependence on Irx5 in the Normal and Diseased Ventricular Myocardium
K16	4530579	Jin Hyuk	Kim	Imaging-Guided Photoactivatable Rapamycin Delivery Drives Potent Plaque Regression and Inflammation Ablation Assessed by Serial Intravital Imaging

K17	4530756	Bum-rak	Choi	Excitation Wave Dynamics and Mechanosensitive Control of Atrial Fibrillation in the Aged Rabbit Heart
K18	4531026	Thomas	Leahy	Human 3D Engineered Heart Tissues Reveal Hypercontractility, Calcium Sensitivity, and Fibrotic Remodeling in MYBPC3-Driven HCM
K19	4531086	Yongjun	Jang	Benchmarking Calcium Wave Propagation in 2D and 3D hiPSC-Derived Cardiomyocytes
K20	4531212	Yongjun	Jang	Genetic Background and Flecainide Responsiveness in RYR2-G3946S Catecholaminergic Polymorphic Ventricular Tachycardia
K21	4531622	Hyun Ji	An	Molecular Mechanisms of Protein Homeostasis during Neonatal Heart Regeneration

The Society of South Asian Heart Research (SAHR)

Back Bay ballroom (Level 2), 5:00 PM – 6:45 PM

All poster presenters are requested to set up their posters at the Board numbers specified on the board.

SAHR Poster#	BCVS CONTROL ID	PRESENTER (FIRST NAME)	PRESENTER (LAST NAME)	TITLE
SH001	4526949	Shivani	Arora	Early Vascular Senescence and Inflammasome-Associated Inflammation Precede Medial Arterial Calcification in Chronic Kidney Disease
SH002	4526965	Bojjibabu	Chidipi	Calcium Signaling Remodeling Drives Contractile Dysfunction and Arrhythmogenesis in Friedreich's Ataxia Cardiomyopathy.
SH003	4526167	Maria	Cimini	Podoplanin-positive cell-derived extracellular vesicles in post-injury cardiac remodeling
SH004	4531330	Satyabrata	Das	Blastocyst complementation generates an exogenic heart in NKX2-5 null cloned porcine embryos
SH005	4530446	Praveen	Dubey	Cardiac-specific NRF2 expression improve cardiac function and survival following cecal slurry-induced sepsis.
SH006	4527447	Ankit	Garg	Variants in skeletal muscle actin as potent disruptors of cardiac contractility
SH007	4526304	Charan	Gurrala	DNMT3B-Mediated Epigenetic Reprogramming Induces Cardiomyocyte Dedifferentiation and Proliferation Post-Myocardial Infarction
SH008	4531178	Terri	Harford	Mitochondria Involvement in Cardiomyocyte-Fibroblast Crosstalk in Cardiac Remodeling
SH009	4531250	Terri	Harford	Hyperglycemia alters beta2-adrenergic receptor
SH010	4530861	Venkatesh	Katari	Cardiomyocyte-specific TRPV4 Deletion Attenuates Isoproterenol-Induced Hypertrophy via PKG1 Signaling without affecting cardiac fibrosis
SH011	4525799	Vinay	Kumar	ERβ Agonist, OSU-ERβ-012 Inhibits Activation and Proliferation of Circulating T-Cells Isolated from Heart Failure Patients
SH012	4531052	Maradumane	Mohan	Immuno-allosteric modulation of human β1-adrenergic receptor by autoantibodies regulate insulin receptor substrate 4 mediated glucose uptake
SH013	4530431	Maradumane	Mohan	Kinase-independent function of PI3Kγ regulates CaMKII-Phospholamban axis and cardiomyocyte calcium cycling
SH014	4530470	Maradumane	Mohan	Cardiac myocytes-fibroblast signaling and myofibroblast differentiation is regulated by PI3Kγ

SH015	4530802	Tapas	Nayak	Deletion of the β2-adrenergic receptor in myeloid cells preserve cardiac function through miR-374b-5P-Anxa1 axis after injury
SH016	4531295	Indulekha	Pillai	Macrophage Reprogramming into Osteoclast-Like Cells Enables Resorption of Established Cardiac Calcification
SH017	4522617	Amit	Rai	A novel role of a Myocardial Infraction-Small Cajal-body specific RNA (MI-scarna) in regulation of endothelial cell function post-Myocardial infarction
SH018	4531317	Sana	Ahmed	Clinical Outcomes of Elective vs Urgent Leadless Pacemaker Implantation: Evidence from National Inpatient Samples.
SH019	4526226	Kalyani	Ananthamohan	Tissue-Specific Inflammation, Immune Response, and Ventricular Remodeling in Hypertrophic Cardiomyopathy
SH020	4524912	Kalyani	Ananthamohan	Molecular Regulation of Myosin S2 in Cardiac Health and Disease
SH021	4526270	Austin	Angelotti	Upregulation of Kruppel-Like Factor 6 in CD4+ T-cells Contributes to Heart Failure Pathogenesis
SH022	4531264	Upendra	Chalise	Inhibiting NETosis protects heart from adverse cardiac remodeling and heart failure progression in cardiac pressure overload.
SH023	4528005	Dipanjan	Chattopadhyay	Cigarette smoke aggravates atherosclerosis by promoting the infiltration of inflammasome-primed neutrophils and disrupting macrophage function in lesions.
SH024	4530503	Pratiti	Dasgupta	Myocyte Growth Requires Recruitment of Histone H1.0 onto Chromatin and Reorganization of Targeted Genomic Loci
SH025	4525759	Kaneez	Fatima	Role of Extracellular Vesicles in Regulating Cardio-Splenic Axis During Myocardial Infarction
SH026	4530987	Shanshan	Gao	mTOR Inhibition Reverses Progerin-Driven Gap Junction Dysfunction in Human HGPS Cardiomyocytes
SH027	4522127	Shanshan	Gao	STAT5A Activation Drives Pathogenic Lipid Remodeling in FLNC-Deficient Cardiomyocytes
SH028	4530355	Nazia	Hilal	DNA Repair Dysfunction Drives Cardiomyocyte Injury During Myocardial Ischemia
SH029	4527194	Saugat	Khanal	Circulating JNK2 as a Potential Biomarker for Cardiac Stress and Atrial Fibrillation Risk
SH030	4530840	Narendra	Kondapalli	TRPV4 mechanotransduction promotes TGF β2 induced endothelial to mesenchymal transition (EndMT) via the Smad2/Rho/Snail pathway

SH031	4527216	Abuzar	Mahmood	Impact of NP-6A4 on the Pathology of the Heart-Lung Continuum in a Female Model for Metabolic Syndrome and Heart Failure with Preserved Ejection Fraction
SH032	4527462	Satvik	Mareedu	NF2 regulates estrogen related receptors and coordinates cardiac metabolic adaptation during pressure overload stress
SH033	4514027	Abhishek	Mishra	Protein Tyrosine Phosphatase 1B Inhibition Mitigates Metabolic Dysfunction-Induced Cardiomyopathy and HFpEF.
SH034	4531220	Saba	Munawar	Structural Mapping of Kir2.1 PIP2 Coordination and Its Alteration by Arrhythmia Causing ATS Variant
SH035	4526778	Kartiga	Natarajan	Reversible Alternative Polyadenylation Remodeling During Cardiac Recovery After Left Ventricular Assist Device Support
SH036	4524789	Boomathi	Pandi	Alternative Splicing of Opa1 Regulates Mitochondrial Remodeling During Cardiac Aging
SH037	4513493	RAHUL	PATIL	Phosphorylation Dependent Histone Deacetylase 7 - Protein Phosphatase 2A Signaling act as a Central Regulator of Endothelial Junctional Integrity in Acute Lung Injury
SH038	4528370	Mohd	Rihan	DPYSL3 modRNA Therapy Drives Cardiomyocyte Proliferation and Promotes Cardiac Repair After Myocardial Infarction
SH039	4526341	Jay	Sah	von Willebrand Factor Degradation Is a Critical Mediator of Nonsurgical Bleeding in Continuous-Flow Left Ventricular Assist Device (CF-LVAD) Patients
SH040	4530830	Karanvir	Saini	Dynamic balance of cardiac tissue contractility against collagen-matrix rigidity via strain-suppressed turnover also applies to filamentous Lamin-A
SH041	4524842	Thirupura S	Shankar	Adipocyte enhancer binding protein 1 as a crucial regulator of cardiac fibroblast activation in heart failure
SH042	4530356	Pravesh	Sharma	6-PPDq Induces Mitochondrial Dysfunction and Reduces Contractility in Human Cardiopulmonary Cells
SH043	4530143	Baldeep	Singh	Mechanisms of Streptococcus pneumoniae mediated chronic unresolved inflammation and cardiac dysfunction during convalescence
SH044	4526811	Md Hasif	Sinha	Enhancing Sigmar1 Activity Protects Against Post-Ischemic Cardiac Remodeling and Dysfunction

SH045	4528092	Allen	Titus	NFkB-driven Piezo-1 expression in cardiac fibroblasts is a critical determinant for inflammation and fibrosis post-myocardial infarction
SH046	4528746	Aishwarya	Yannamani	Sex-Specific Incident Cardiovascular Outcomes With Glucagon-Like Peptide-1 Receptor Agonists Added to Statins in Patients With Obesity, Without Diabetes, and With Coronary Artery Disease: A Propensity-Matched Cohort Study
SH047	4529005	Aishwarya	Yannamani	Cardiometabolic Outcomes in Polycystic Ovary Syndrome With GLP-1 Receptor Agonists Versus Metformin: A Propensity-Matched Analysis
SH048	4527061	Sher	Ali	Heart Failure Prediction & Prognosis Support Using Point-of-Care Wearable Device
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SH051	4526887	Maddy	Cohen	Estrogen-Independent Epigenetic Modulation of Macrophage Polarization and Cardiac Remodeling After Myocardial Infarction
SH052	4530608	Aarush	Dutta	Machine Learning Approach Can Accurately Predict Ten-Year Risk of Coronary Heart Disease
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SH055	4530786	Aaryan	Kohli	IL-17 Signaling Triggers JNK2-Driven Arrhythmogenic Ca2+ Dysregulation via TAK1-MKK7-Mediated JNK2 Activation
SH056	4530234	Tanmay	Mukherjee	Directional Stiffening of the Pulmonary Artery in a Rodent Model of Pulmonary Hypertension
SH057	4529721	Tanmay	Mukherjee	Mechanistic Insights into Right Ventricular Remodeling in Pulmonary Hypertension via Combined Stress and Contractility Measurements
SH058	4525783	Kazi Sabbir Ahmad	Nahin	Deconstructing Sex Disparities in Ideal Cardiovascular Health Among Adults in the United States
SH059	4527357	Suriya Muthukumaran	Natarajaseenivasan	Elucidating the Role of Non-coding RNAs in Ventricular Pacing-Induced Heart Failure of Canines
SH060	4531125	Subhankhi	Pal	Cardiac Lonp1 Plays a Context-Dependent Role in Diet-Induced Metabolic Stress

SH061	4523642	Gianna	Passarelli	Fibrotic Milieu Determines Phenotypic Differences in Cardiac CD4+ T-cells During Dilated Cardiomyopathy in Patients
SH062	4529734	Anusua	Sarkar	Optogenetic Repolarization of Mitochondrial Membrane Potential Protects Cardiomyocytes from Ischemia–Reperfusion and Mitochondrial Stress
SH063	4530892	Vineet	Sharma	Effects of isochoric supercooling on intracellular sarcoplasmic reticulum calcium cycling in ex vivo murine hearts.
SH064	4531043	Pratikshya	Shrestha	ATF5 Mediates the Mitochondrial Unfolded Protein Response (UPRmt), Leading to Attenuation of Doxorubicin-Induced Cardiotoxicity
SH065	4525325	Hiranya	Sundar	Single-Cell Multi-Omics Analysis Identifies a Th17.1–Fibroblast TGF-β Signaling Axis in Cardiac Sarcoidosis
SH066	4530731	Giuseppe	Trimarchi	Adipose ANGPTL4 deficiency protects against HFpEF
SH067	4530276	Vasisht	Yegneshwaran	Microtubule Organization Regulates NADPH Oxidase–Dependent ROS Signaling in Cardiomyocytes

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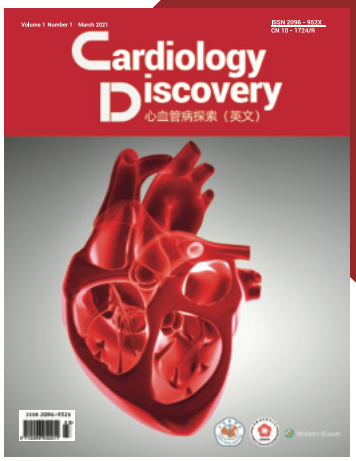

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The ACRE Award Committee:
Li Qian, Hong Lu, Weijia Luo, Xiao Li

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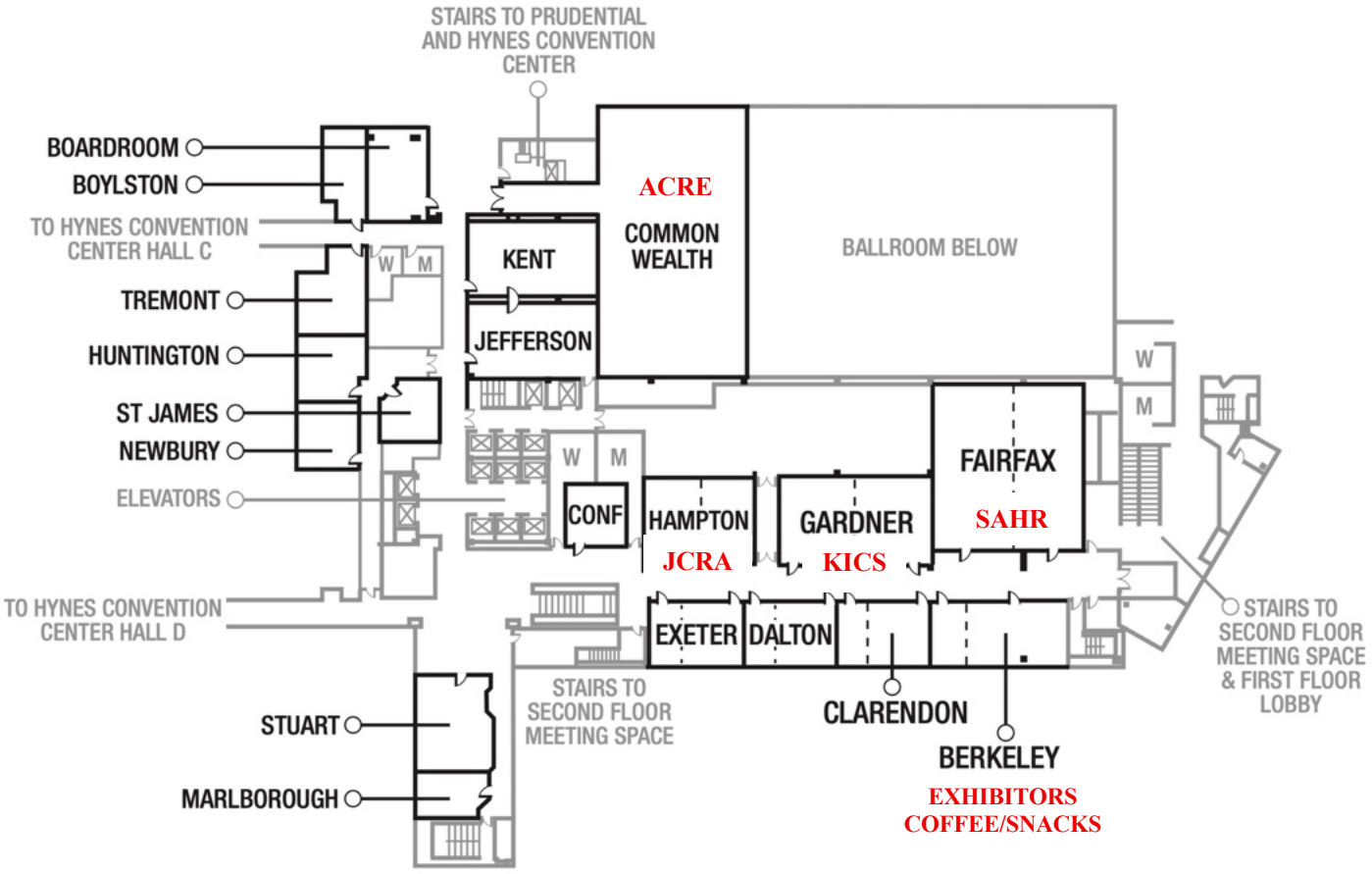
THIRD FLOOR
8th Asian Cardiovascular Symposium
July 12, 2026

ACRE: COMMONWEALTH
JCRA: HAMPTON
KICS: GARDNER
SAHR: FAIRFAX

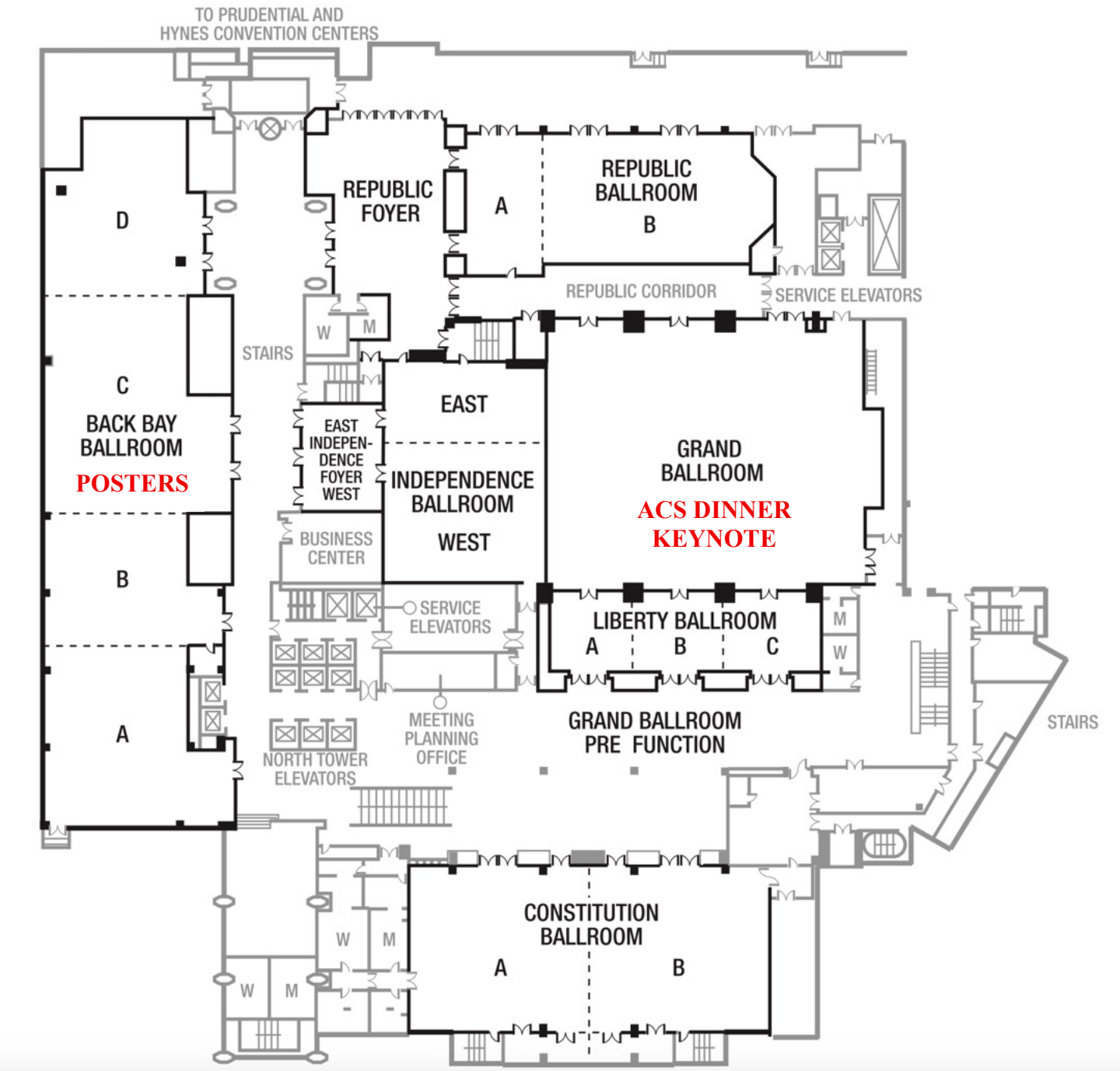
EXHIBITOR TABLES and COFFEE BREAKS: BERKELEY



The Academy of Cardiovascular Research Excellence (ACRE) https://my-acre.org/
Japanese Cardiovascular Research Association (JCRA)
Korean International Cardiovascular Society (KICS)
The Society for South Asian Heart Research (SAHR) https://www.southasianheart.org/

SECOND FLOOR

ACS POSTER SESSION: BACK BAY BALLROOM (5:00 pm - 6:45 pm)
ACS DINNER EVENT: GRAND BALLROOM (6:30 pm- 10:00 pm)



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