

12th Annual Meeting
North American Section

International Academy of Cardiovascular Sciences



September 18–20, 2025
LAS VEGAS, NEVADA

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Conference Website:

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KIRK KERKORIAN
SCHOOL OF MEDICINE

UNLV

PROGRAM AGENDA

AGENDA – Day 1: Thursday, September 18, 2025

1:00 – 7:00 pm	Registration
3:30 – 3:45 pm	Welcome Remarks <i>Sequence TBD</i>
3:45 – 3:55 pm	President's Address <i>Michael Czubryt, PhD, University of Manitoba, Canada</i>
4:00 – 4:30 pm	IACS Medal of Merit Lecture Changing Perspectives: Transport Regulation at the Nuclear Membrane <i>Grant Pierce, PhD, University of Manitoba, Canada</i>
4:30 – 5:00 pm	Martin Morad Distinguished Lecture Targeting Calcium Leak to Treat Disorders of Heart, Muscle and Brain <i>Andrew Marks, MD, Columbia University</i>
5:00 – 5:30 pm	State-of-the-Art Lecture Cell Therapy for Heart Failure <i>Roberto Bolli, MD, University of Louisville</i>
5:30 – 6:00 pm	Plenary Lecture Cardiovascular Disease and Cancer: A Dangerous Liaison <i>Kathryn Moore, PhD, New York University</i>
6:15 – 9:00 pm	Welcome Dinner

PROGRAM AGENDA

AGENDA – Day 2: Friday, September 19, 2025

7:00 – 8:00 am Registration & Breakfast

Session 1

IACS PRESIDENTIAL SYMPOSIUM: ADVANCES IN CARDIOVASCULAR SCIENCES

- 8:00 – 8:20 am **The Cellular Cardiac Electrophysiological Effect of Long Term Amiodarone Treatment in Heart Failure Patients**
Andras Varro, MD, PhD, University of Szeged, Hungary
- 8:20 – 8:40 am **Scleraxis: A Stress-Responsive Regulator of Wound Healing and Fibrosis**
Michael Czubryt, PhD, University of Manitoba, Canada
- 8:40 – 9:00 am **Myeloid-Specific Regulation of RhoA in Response to Cardiac Injury and Cardiac Fibrosis**
Maria Kontaridis, PhD, Harvard Medical School
- 9:00 – 9:20 am **modRNA Therapeutics vs. hiPSC-derived Cell and Cell-products for Myocardial Repair in Large Mammals: Remuscularization of Injured Ventricle**
Jianyi (Jay) Zhang, MD, PhD, University of Alabama
- 9:20 – 9:40 am **Regulation of Cellular Quality Control Mechanisms in the Heart**
Lorrie Kirshenbaum, PhD, University of Manitoba, Canada
- 9:40 – 10:00 am **Coffee Break**

Session 2

VASCULAR BIOLOGY

- 8:00 – 8:20 am **Role of Resident Macrophages in Fibrosis and Angiogenesis**
Jop van Berlo, MD, PhD, University of Minnesota
- 8:20 – 8:40 am **Direct Reprogramming for Vascular Regeneration**
Young-sup Yoon, MD, PhD, Emory University
- 8:40 – 9:00 am **Small Vessels with Big Problems: Understanding Coronary Microvascular Dysfunction**
Puja Mehta, MD, Emory University

PROGRAM AGENDA

AGENDA – Day 2: Friday, September 19, 2025

- 9:00 – 9:20 am** **Macrophage immunometabolic regulation in atherosclerosis**
Carlos Fernández-Hernando, PhD, Yale University
- 9:20 – 9:40 am** **Receptor-Based Approaches to Reducing Cardiovascular Risk**
Daisy Sahoo, PhD, Medical College of Wisconsin
- 9:40 – 10:00 am** **Coffee Break**

Session 3

CELL AND GENE THERAPY FOR CARDIOVASCULAR REPAIR AND REGENERATION

- 10:00 – 10:20 am** **Interaction Between MSC Therapeutics and Genetics in Dilated Cardiomyopathy**
Joshua Hare, MD, University of Miami
- 10:20 – 10:40 am** **Stem Cell-Derived Extracellular Vesicles as a Next Generation Tool for Tissue Repair**
Ewa Zuba-Surma, PhD, Jagiellonian University, Poland
- 10:40 – 11:00 am** **Phase I Randomized Study of Cardiac Stem Cells in Patients with Hypoplastic Left Heart Syndrome: CHILD Trial**
Sunjay Kaushal, MD, PhD, University of Nevada Las Vegas
- 11:00 – 11:20 am** **Developmental Pathways for Human Heart Repair**
Hina Chaudhry, MD, Icahn School of Medicine at Mount Sinai
- 11:20 – 11:40 am** **Gene Therapy for Nonischemic Heart Failure**
Timothy Henry, MD, The Christ Hospital, Cincinnati

Session 4

GENETICS, EPIGENETICS, AND OMICS

- 10:00 – 10:20 am** **Chromatin as Mechanosensor in Cardiac Fibrosis**
Thomas Vondriska, PhD, University of California, Los Angeles
- 10:20 – 10:40 am** **Targeting Cellular Plasticity in Cardiometabolic Disease via an Atypical HDAC**
Rushita Bagchi, PhD, University of Arkansas

PROGRAM AGENDA

AGENDA – Day 2: Friday, September 19, 2025

- 10:40 – 11:00 am** **Understanding Actin Acetylation in Muscle Function**
Bradley Ferguson, PhD, University of Nevada, Reno
- 11:00 – 11:20 am** **Role of KDM5 in Epigenetic Regulation of Heart Failure**
Priyatansh Gurha, PhD, McGovern Medical School at UT Health
- 11:20 – 11:40 am** **Human -Omics Data to Advance Novel Discovery in Heart Failure**
Jacob Joseph, MD, Brown University
- 11:40 am – 1:00 pm** **Lunch & Exhibit Hall**
- 12 noon – 1:00 pm** **Funding Opportunities at the NIH: Mechanisms, Applications, FAQs**

Session 5

REGULATION OF CARDIAC SARCOMERES IN HEART FAILURE

- 1:00 – 1:20 pm** **Defining Myosin S2 Variants in Hypertrophic Cardiomyopathy**
Sakthivel Sadayappan, PhD, University of Arizona
- 1:20 – 1:40 pm** **Is Pre-Phenotype Treatment of HCM a Reasonable Goal?**
J. Carter Ralphe, MD, University of Wisconsin
- 1:40 – 2:00 pm** **Contractility and Relaxation in Pediatric Dilated Cardiomyopathy**
Carmen Sucharov, PhD, University of Colorado
- 2:00 – 2:20 pm** **Determinants of Cardiac Recovery in Inherited Dilated Cardiomyopathy**
Jennifer Davis, PhD, University of Washington
- 2:20 – 2:40 pm** **The Sarcomere in Atrial Fibrillation**
Jonathan Kirk, PhD, Loyola University
- 2:40 – 3:00 pm** **Coffee Break**

PROGRAM AGENDA

AGENDA – Day 2: Friday, September 19, 2025

Session 6

CIRCADIAN RHYTHM, EXERCISE, DIET, AND AGING

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|----------------|---|
| 1:00 – 1:20 pm | Timing Is Therapy: Eating, Exercise, and Aging in Circadian Cardiovascular Medicine
<i>Tami Martino, PhD, University of Guelph, Canada</i> |
| 1:20 – 1:40 pm | Aerobic Training and Cardiac Protection in Experimental Hyperhomocysteinemia: Analysis of Cardiometabolic Biomarkers, Oxidative Stress and Histological Changes
<i>Dragan Djuric, MD, PhD, University of Belgrade, Serbia</i> |
| 1:40 – 2:00 pm | Electrophysiological and Biochemical Alterations in Metabolic Heart Mitochondria of Elderly Mammals
<i>Belma Turan, PhD, Lokman Hekim University, Turkey</i> |
| 2:00 – 2:20 pm | Temporal Regulation of Exercise and Training Induced Responses in the Heart
<i>Graham McGinnis, PhD, University of Nevada Las Vegas</i> |
| 2:20 – 2:40 pm | Epigenetics of Ablation of Sleep Time Dipping in Blood Pressure and Heart Failure
<i>Suresh Tyagi, PhD, University of Louisville</i> |
| 2:40 – 3:00 pm | Coffee Break |

Session 7

ROBERTO BOLLI EARLY CAREER AWARD COMPETITION

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|----------------|---|
| 3:00 – 3:15 pm | DIAPH1 Regulates Stress-Induced Senescence in Human Cardiomyocytes
<i>Gautham Yepuri, PhD, New York University</i> |
| 3:15 – 3:30 pm | Cardiac Myocyte Cytosolic Self-DNA Contributes to the Pathogenesis of Desmoplakin-Cardiomyopathy
<i>Weiyue Wang, MD, UTHealth Houston</i> |
| 3:30 – 3:45 pm | Stress Granule-Driven Regenerative Signaling in Myocardial Infarction and Metabolic Comorbidities |

PROGRAM AGENDA

AGENDA – Day 2: Friday, September 19, 2025

Resmi Rajalekshmi, PhD, Western University

- 3:45 – 4:00 pm** **FABP5 Induces Cardiomyocyte Cell Cycle to Regenerate the Adult Heart, a Lesson from the Neonatal Heart**
Abou Bakr Salama, MBBCh, Baylor College of Medicine
- 4:00 – 4:15 pm** **Development of iPSC-Based Clinical Trial Selection Platform for Patients with Inherited Metabolic and Cardiovascular Disorders**
Abhay Srivastava, PhD, University of Manitoba, Canada

Session 8

INTERORGAN AND INTERORGANELLE TALKS IN CARDIOVASCULAR DISEASES

- 3:00 – 3:20 pm** **Stem Cell Reservoir Able to Support Cardiac Repair via Crosstalk Between Heart and Bone Marrow**
Ren-Ke Li, MD, PhD, University of Toronto, Canada
- 3:20 – 3:40 pm** **Inter-Organ Communication Management (IOCoM): A New Mechanistic Insight for Effective Anti-Aging Intervention**
Shin-ichiro Imai, MD, PhD, Washington University
- 3:40 – 4:00 pm** **Diabetes-Driven Impairment of Heart-Adipose Crosstalk**
Yajing Wang, MD, PhD, University of Alabama
- 4:00 – 4:20 pm** **Interorganelle Communications in Cardiac Diseases**
Ravichandran Ramasamy, PhD, New York University

Session 9

BUDDHADEB DAWN YOUNG INVESTIGATOR AWARD COMPETITION

- 4:20 – 4:35 pm** **Engineering Lipid Nanoparticles for Selective and Enhanced Delivery of mRNA to Cardiomyocytes**
Chandra Bhattacharya, PhD, University of Nevada Las Vegas
- 4:35 – 4:50 pm** **Natriuretic Peptide Signaling Prevents Cardiac Remodeling in HFpEF via Interruption of Wnt5a-Mediated Adipocyte-Cardiomyocyte Crosstalk**
Vineet Agrawal, MD, PhD, Vanderbilt University

PROGRAM AGENDA

AGENDA – Day 2: Friday, September 19, 2025

- 4:50 – 5:05 pm** **CDX2 cells in Cardiovascular Regeneration and Pregnancy Disorders: From Mouse Models to Human Insights**
Sangeetha Vadakke-Madathil, PhD, Icahn School of Medicine at Mount Sinai
- 5:05 – 5:20 pm** **FLNC Deficiency Disrupts Nuclear and Intercalated Disc Integrity to Activate STING–IRF3 Signaling in Cardiomyopathy**
Suet Chen, PhD, University of Colorado-Denver Anschutz Medical Campus

Session 10

GARY LOPASCHUK GRADUATE STUDENT AWARD

- 4:25 – 4:40 pm** **Lecture 1:**
Speaker: Graduate student to be chosen from the abstracts submitted
- 4:40 – 4:55 pm** **Lecture 2:**
Speaker: Graduate student to be chosen from the abstracts submitted
- 4:55 – 5:10 pm** **Lecture 3:**
Speaker: Graduate student to be chosen from the abstracts submitted
- 5:10 – 5:25 pm** **Lecture 4:**
Speaker: Graduate student to be chosen from the abstracts submitted

POSTER SESSION

- 5:15 – 6:45 pm** **Poster Viewing/ Competition**

Morris Karmazyn Poster Awards (4) & Margaret Moffat Poster Awards (4)
- 6:45 pm** **End of Day 2/ Dinner on your own**

PROGRAM AGENDA

AGENDA – Day 3: Saturday, September 20, 2025

7:00 – 8:00 am Registration & Breakfast

Session 11

ADVANCES IN CARDIOVASCULAR MEDICINE

8:00 – 8:25 am **Is PCSK9 Inhibition a Stand-Alone Therapy for Reducing Atherosclerotic Burden and Stabilizing Plaque?**
Devendra Agrawal, PhD, Western University of Health Sciences

8:25 – 8:50 am **Precision Management of Coronary Heart Disease: Role of Biomarkers**
Arshed Quyyumi, MD, Emory University

8:50 – 9:15 am **The Unbearable Lightness of Primary Endpoints in Clinical Trials**
Ali J. Marian, MD, PhD, McGovern Medical School

9:15 – 9:40 am **Eliminating CAD in Our Lifetime: Presumptive, Precision, Personalized to Population Medicine**
Jagat Narula, MD, PhD, UT Health Houston

9:40 – 10:00 am Coffee Break

Session 12

EVERYTHING ARTIFICIAL: INTELLIGENCE, MATERIALS, CELLS

8:00 – 8:20 am **Augmented Reality Displays as a Conduit to Bring Artificial Intelligence to the Cardiac Catheterization Laboratory**
Jonathan Silva, PhD, Washington University

8:20 – 8:40 am **MXene Nanomaterials for Allogeneic Stem Cell Therapy for Cardiac Repair and Regeneration**
Sanjiv Dhingra, PhD, University of Manitoba, Canada

8:40 – 9:00 am **Injectable Hydrogels for the Intra-Pericardial Delivery of Stem Cells**
Finosh Thankam, PhD, Western University of Health Sciences

9:00 – 9:20 am **Calcium Signaling Consequences of Arrhythmogenic CPVT1 Mutations in hiPSC.CMs**
Martin Morad, PhD, Medical University of South Carolina

PROGRAM AGENDA

AGENDA – Day 3: Saturday, September 20, 2025

9:20 – 9:40 am **TBD**
Charles Taylor, PhD, University of Texas at Austin

9:40 – 10:00 am **Coffee Break**

Session 13

HEART RHYTHM: BENCH AND BEDSIDE

10:00 – 10:20 am **Updates in Pacing, Defibrillation, Resynchronization, and Heart Failure Therapies**
Dhanunjaya DJ Lakkireddy, MD, University of Missouri-Columbia

10:20 – 10:40 am **Insights From Atrial Fibrillation Genetics and Genomics: From Bedside to Bench and Back Again**
Mina Chung, MD, Cleveland Clinic Lerner College of Medicine

10:40 – 11:00 am **Arrhythmogenic Right Ventricular Cardiomyopathy: Molecular Mechanisms and the Promise of Gene Therapy**
Mario Delmar, MD, PhD, New York University

11:00 – 11:20 am **TBD**
Jennifer Silva, MD, Washington University SOM

11:20 – 11:40 am **State of the Art in Pulse Field Ablation - Present and Future**
Andrea Natale, MD, Texas Cardiac Arrhythmia Institute

Session 14

DIABETES, INFLAMMATION, AND HEART DISEASE

10:00 – 10:20 am **Inflammation and Atherogenesis in the Context of Diabetes**
Chiara Giannarelli, MD, PhD, New York University

10:20 – 10:40 am **PCSK9-Induced Inflammation in Diabetes**
Dinender Singla, PhD, University of Central Florida

10:40 – 11:00 am **GLP-1 Agonists and Their Role in Oxidative Stress and Inflammation: Results from Clinical and Experimental Studies**

PROGRAM AGENDA

AGENDA – Day 3: Saturday, September 20, 2025

Ranko Skrbic, MD, PhD, University of Banja Luka, The Republic of Srpska, Bosnia & Herzegovina

- 11:00 – 11:20 am** **Cardiac Inflammation and Cell Death in Diabetic Cardiomyopathy: Metallomic Impact**
Lu Cai, MD, PhD, University of Louisville
- 11:20 – 11:40 am** **Diabetic Myocardial Infarction and Strategies to Protect the Heart**
Srinivas Tipparaju, PhD, University of South Florida
- 11:40 am – 1:00 pm** **Lunch and Exhibit Hall**

Session 15

ADVANCES IN INTERVENTIONAL AND STRUCTURAL CARDIOVASCULAR MEDICINE AND SURGERY

- 1:00 – 1:20 pm** **Surgical Management of Functional Mitral Regurgitation**
Paul C. Tang, MD, PhD, Mayo Clinic
- 1:20 – 1:40 pm** **Updates and Advances in Coronary and Valve Interventions**
Chowdhury Ahsan, MD, PhD, University of Nevada Las Vegas
- 1:40 – 2:00 pm** **Treatment of Left Main Coronary Artery Lesions: Current Status and How I Select the Patient**
Henrique B. Furtado, MD, Tocantins Federal University, Brazil
- 2:00 – 2:20 pm** **ECMO in Cardiogenic Shock**
Petr Ostadal, MD, PhD, Charles University, Czech Republic
- 2:20 – 2:40 pm** **Advances in Structural Heart Disease Management**
Saibal Kar, MD, University of California, Los Angeles
- 2:40 – 3:00 pm** **Coffee Break**

PROGRAM AGENDA

AGENDA – Day 3: Saturday, September 20, 2025

Session 16

WOMEN'S HEART HEALTH AND CARDIO-OBSTETRICS

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|----------------|--|
| 1:00 – 1:25 pm | Arrhythmias in Pregnancy
<i>Andera Russo, MD, Cooper Medical School of Rowan University</i> |
| 1:25 – 1:50 pm | The Cardiac Pathophysiological Outcomes of Shift Work During Pregnancy
<i>Inna Rabinovich-Nikitin, PhD, University of Manitoba, Canada</i> |
| 1:50 – 2:15 pm | TBD
<i>Stella Gouloupoulou, PhD, Loma Linda University</i> |
| 2:15 – 2:40 pm | Important Themes for Heart Disease in Women
<i>Karol Watson, MD, PhD, University of California, Los Angeles</i> |
| 2:40 – 3:00 pm | Coffee Break |

Session 17

CARDIOMYOPATHIES AND HEART FAILURE: NOVEL CONCEPTS, TREATMENTS, DEVICES

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|----------------|--|
| 3:00 – 3:20 pm | Metabolic Inflammation in HFpEF: Moving Targets
<i>Matthew Feinstein, MD, Northwestern University</i> |
| 3:20 – 3:40 pm | Remodeled Metabolic Trafficking of Fatty Acids in the Cardiomyocyte in Heart Failure
<i>Douglas Lewandowski, PhD, Ohio State University</i> |
| 3:40 – 4:00 pm | Implantable Devices and Wearables in Heart Failure and Arrhythmia Monitoring
<i>Javier Banchs, MD, Baylor Scott & White Health</i> |
| 4:00 – 4:20 pm | Hypertrophic Cardiomyopathy – Navigating Through Novel Treatments
<i>Srikanth Seethala, MD, Saint Alphonsus Heart Institute</i> |
| 4:20 – 4:40 pm | Is Iron Therapy Indicated for Heart Failure with Reduced Ejection Fraction Patients?
<i>Marc Kahn, MD, MBA, University of Nevada Las Vegas</i> |

PROGRAM AGENDA

AGENDA – Day 3: Saturday, September 20, 2025

Session 18

OBESITY, METABOLIC SYNDROME, NEW RISK FACTORS, AND NEW TREATMENTS

3:00 – 3:20 pm	Heart Failure and Psychosocial Stress: Implications of the Microbiome <i>Loren Wold, PhD, Ohio State University</i>
3:20 – 3:40 pm	A Translational Journey: Targeting PDE5 and mTOR to Enhance Cancer Killing While Preventing Cardiotoxicity <i>Rakesh Kukreja, PhD, Virginia Commonwealth University</i>
3:40 – 4:00 pm	Understanding Cardiovascular Risk Factors: Enhanced Vesicular Trafficking of Neuropeptide Y (NPY) in Sympathoexcitation <i>Elizabeth Akin, PhD, University of Nevada, Reno</i>
4:00 – 4:20 pm	Effect of GLP-1 Receptor Agonist on Ischemia Reperfusion Injury in Rats and Metabolic Syndrome <i>Vladimir Jakovljevic, MD, PhD, University of Kragujevac, Serbia</i>
4:20 – 4:40 pm	TBD <i>TBD</i>
6:00 pm	Awards Ceremony and Gala Dinner

Confirmed Speakers and Moderators

Devendra K. Agrawal, MSc (Chem), PhD (Biochem), PhD (Med Sciences), MBA, MS (ITM) FAAAAI, FAHA, FAPS, FIACS

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Jennifer Davis, PhD

Associate Professor | Eva & Arra Woods
Professorship
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Saibal Kar, MD, FACC, FSCAI

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Thousand Oaks, California, USA

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Beth Israel Deaconess Medical Center
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Rakesh C. Kukreja, PhD

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The Ohio State University College of Medicine
Columbus, OH, USA

Ren-Ke Li, MD, PhD, FCAHS, FRSC

Canadian Research Chair of Cardiac Regeneration
Professor of Cardiovascular Surgery, University of Toronto
Senior Scientist, Toronto General Hospital Research Institute
University Health Network
Toronto, Ontario, Canada

Ali J. Marian, MD, PhD

Professor of Molecular Medicine and Internal Medicine
Director, IMM-Center for Cardiovascular Genetics, Institute of Molecular Medicine
James T. Willerson Distinguished Chair in Cardiovascular Research
McGovern Medical School
Houston, TX, USA

Confirmed Speakers and Moderators

Andrew R. Marks, MD

Clyde and Helen Wu Professor of Molecular Cardiology
Chairman, Department of Physiology and Cellular Biophysics
Founding Director, Wu Center for Molecular Cardiology
Professor of Physiology & Cellular Biophysics
Member, National Academy of Sciences
Columbia University Vagelos College of Physicians and Surgeons
New York, NY, USA

Tami A. Martino, PhD

Distinguished Chair in Molecular Cardiovascular Research
Director, Centre for Cardiovascular Investigations
Career Investigator Heart & Stroke Foundation: Circadian Medicine & Heart Health
President, Canadian Society for Chronobiology
Professor, Biomedical Sciences
University of Guelph
Guelph, Ontario, Canada

Nilanjana Maulik, PhD, FAHA

Professor, Department of Surgery
Molecular Cardiology and Angiogenesis Laboratory
Program Director/ General Surgery Research Pathway
University of Connecticut School of Medicine
Farmington, Connecticut, USA

Graham McGinnis, PhD

Assistant Professor
Department of Kinesiology and Nutrition Sciences
School of Integrated Health Sciences
University of Nevada Las Vegas
Las Vegas, Nevada, USA

Puja K. Mehta, MD, FACC, FAHA

Associate Professor of Medicine (Cardiology)

Director, Women's Translational Cardiovascular Research
Emory Women's Heart Center
Associate Program Director, Clinical Investigator Cardiology Fellowship Program
Emory Clinical Cardiovascular Research Institute
Emory Heart Disease Center for Prevention
Emory University School of Medicine
Atlanta, Georgia, USA

Kathryn J Moore, PhD

Jean and David Blechman Professor of Cardiology
Professor, Departments of Medicine and Cell Biology
Director, NYU Cardiovascular Research Center
New York University Langone Health
New York, New York, USA

Martin Morad, PhD, FISHR, FIACS

Director of Cardiac Signaling Center
Smart State Chair in Regenerative Medicine
BlueCross BlueShield of South Carolina Endowed Chair in Cardiovascular Health
Professor, Regenerative Medicine and Cell Biology
Medical University of South Carolina
Charleston, South Carolina, USA

Jagat Narula, MD, PhD

Executive Vice President and Chief Academic Officer
University of Texas Health Houston
Houston, TX, USA

Andrea Natale, MD, FACC, FHRS, FESC

Executive Medical Director, Texas Cardiac Arrhythmia Institute
St. David's Medical Center
Austin, Texas, USA

Petr Ostadal, MD, PhD

President, Czech Society of Cardiology

Confirmed Speakers and Moderators

Professor of Cardiology
Second Faculty of Medicine, Charles University
Prague, Czech Republic

Michelle S. Parvatiyar, PhD

Associate Professor
College of Education, Health, and Human
Sciences
Florida State University
Tallahassee, Florida, USA

**Grant N. Pierce, CM, OM, PhD, FACC, FAHA,
FISHR, FIACS, FCAHS, FRSC**

World President, International Academy of
Cardiovascular Sciences
Assistant Executive Director, Manitoba Medical
Service Foundation
Distinguished Emeritus Professor
Department of Physiology and Pathophysiology
Rady College of Medicine, Rady Faculty of
Health Sciences
University of Manitoba
Winnipeg, Canada

Arshed Quyyumi, MD

Professor of Medicine
Director, Emory Clinical Cardiovascular
Research Institute
Division of Cardiology, Department of Medicine
Emory University School of Medicine
Atlanta, Georgia, USA

Inna Rabinovich-Nikitin, PhD

Assistant Professor
Evelyn Wyrzykowski Family Professorship in
Cardiovascular Sciences
Institute of Cardiovascular Sciences
St. Boniface Hospital Albrechtsen Research
Centre
University of Manitoba
Department of Physiology and Pathophysiology
Winnipeg, Manitoba, Canada

J. Carter Ralphe, MD

Professor of Medicine

Chief, Division of Cardiology
Co-Director, Congenital Heart Program at UW
Health Kids
Department of Pediatrics
University of Wisconsin School of Medicine
Madison, Wisconsin, USA

Ravichandran Ramasamy, PhD

Professor, Department of Medicine
Professor, Department of Biochemistry and
Molecular Pharmacology
NYU Grossman School of Medicine
New York, New York, USA

Andrea M. Russo, MD, FACC, FHRS, FAHA

Professor of Medicine
Cooper Medical School of Rowan University
Academic Chief, Division of Cardiology
Director, Cardiac Electrophysiology and
Arrhythmia Services
Director, CCEP Fellowship
Cooper University Hospital
Director of Research, Cooper Heart Institute
Camden, NJ, USA

Sakthivel Sadayappan, PhD, MBA, FAHA

Professor and Head
Department of Cellular & Molecular Medicine
Czarina M. & Humberto S. Lopez Endowed Chair
Associate Director, Sarver Heart Center
University of Arizona College of Medicine-
Tucson
Tucson, Arizona, USA

Daisy Sahoo, PhD, FAHA

Dean, School of Graduate Studies
Women in Science Endowed Professor
Department of Medicine
Medical College of Wisconsin
Milwaukee, Wisconsin, USA

Srikanth Seethala, MD

Advanced Heart Failure and Transplant
Cardiology
Saint Alphonsus Heart Institute

Confirmed Speakers and Moderators

Boise, Idaho, USA

Jonathan Silva, PhD, FAHA, SMNAI

Professor of Biomedical Engineering and
Computer Science and Engineering
McKelvey School of Engineering
Washington University
St Louis, Missouri, USA

Jennifer N. Avari Silva, MD, FHRS

James G. Berges and Elizabeth Mannen Berges
Professorship in Pediatric Cardiology
Director, Pediatric Electrophysiology
Professor, Pediatrics and Biomedical
Engineering
Faculty Fellow in Entrepreneurship
Washington University SOM
Saint Louis, Missouri, USA

Dinender K Singla, PhD, FAHA, FIACS

Professor and Head, Division of Metabolic and
Cardiovascular Sciences
Endowed Chair-Advent Health
President, International Society for Adaptive
Medicine
Associate Editor, Canadian Journal of
Physiology and Pharmacology
Burnett School of Biomedical Sciences
College of Medicine
University of Central Florida
Orlando, Florida, USA

Ranko Škrbić, MD, MSc, PhD, FIACS

Dean
Professor of Pharmacology and Clinical
Pharmacology
Department of Pharmacology, Toxicology and
Clinical Pharmacology
Center for Biomedical Research
Faculty of Medicine
University of Banja Luka
The Republic of Srpska, Bosnia & Herzegovina

Carmen Sucharov, PhD, FAHA

Professor

Director, Pediatric Cardiovascular Research
Laboratories

Division of Cardiology, Department of Medicine
University of Colorado Anschutz Medical
Campus
Denver, Colorado, USA

Paul C. Tang, MD, PhD

Associate Professor and Vice Chair
Division of Thoracic and Cardiovascular
Surgery
Department of Surgery
Mayo Clinic
Rochester, Minnesota, USA

Charles A. Taylor, PhD

W.A. "Tex" Moncrief, Jr., Chair in Computational
Medicine
Professor, Department of Internal Medicine and
the Oden Institute for Computational
Engineering and Sciences
Director of the Center for Computational
Medicine
University of Texas at Austin
Austin, Texas, USA

Finosh G Thankam, PhD

Assistant Professor
Tissue Engineering and Regenerative Medicine
Department of Translational Research
Western University of Health Sciences
Council Member and Assistant Treasurer
International Academy of Cardiovascular
Sciences, North American Section
Pomona, California, USA

Srinivas M. Tipparaju, PhD

Professor and Chair
William Saunders Endowed Chair in Geriatric
Pharmacotherapy
Interim Associate Dean for Faculty Affairs
Department of Pharmaceutical Sciences
USF Health Taneja College of Pharmacy
Tampa, Florida, USA

Confirmed Speakers and Moderators

Belma Turan, PhD

Professor
Head of Department of Biophysics – Basic
Medical Sciences
Lokman Hekim University
Ankara, Turkey

Suresh C. Tyagi, MPhil, PhD, DSc, FAHA, FAPS, FIACS

Endowed Chair Professor
Department of Physiology
University of Louisville
Louisville, Kentucky, USA

Jop van Berlo, MD, PhD

Associate Professor of Medicine
Director of Graduate Studies
Cardiovascular Division, Department of
Medicine
University of Minnesota School of Medicine
Minneapolis, Minnesota, USA

Andras Varro, MD, PhD, DSc

Professor
SZTE-HUN REN
Department of Pharmacology
Faculty of Medicine, University of Szeged
Szeged, Hungary

Thomas Vondriska, PhD

Professor of Anesthesiology, Medicine,
Physiology
UCLA David Geffen School of Medicine
Los Angeles, California, USA

Yajing Wang, MD, PhD

Professor
Director of Basic and Translational Research
Department of Biomedical Engineering
University of Alabama at Birmingham, Heersink
School of Medicine
Birmingham, Alabama, USA

Karol Watson, MD, PhD

Professor of Medicine/Cardiology

Co-director, UCLA Program in Preventive
Cardiology
Director, UCLA Barbara Streisand Women's
Heart Health Program
David Geffen School of Medicine at UCLA
John Mazziotta, M.D., Ph.D. Endowed Chair in
Medicine
Los Angeles, California, USA

Loren E. Wold, PhD, FAHA, FAPS

Senior Associate Vice President for Research
The Enterprise for Research, Innovation and
Knowledge (ERIK)
The John G. and Jeanne Bonnet McCoy Chair in
Cardiovascular Medicine
Professor, Department of Surgery (Cardiac)
Editor-in-Chief, *The FASEB Journal* and *FASEB
BioAdvances*
The Ohio State University
College of Medicine
Columbus, Ohio, USA

Harlokes Narayan Yadav, PhD, MAMS, FIACS, FPAS

Additional Professor, Pharmacology
All India Institute of Medical Sciences
President, Society of Pharmaceutical
Education & Research (SPER) Delhi
Chairman, Pharm. Federation (Scientific Wing)
Vice President, International Academy of
Cardiovascular Sciences (India)
Member, National Academy of
Sciences INDIA (NASI)
Member, National Academy of Medical
Sciences INDIA (NAMS)
Ansari Nagar, New Delhi, India

Young-sup Yoon, MD, PhD

Director of Stem Cell Biology
Bruce R. Logue Professor
Professor of Medicine and Biomedical
Engineering
Division of Cardiology
Department of Medicine
Emory University School of Medicine

Confirmed Speakers and Moderators

Allanta, Georgia, USA

Jianyi (Jay) Zhang, MD, PhD

Chair, Department of Biomedical Engineering
T. Michael and Gillian Goodrich Endowed Chair
of Engineering Leadership
Professor of Medicine, Professor of Engineering
School of Medicine, School of Engineering
The University of Alabama at Birmingham
Birmingham, AB, USA

Ewa Zuba-Surma, PhD, DSc

Professor in Medical Sciences
Department of Cell Biology
Faculty of Biochemistry, Biophysics and
Biotechnology
Jagiellonian University
Krakow, Poland

Finalists for the Roberto Bolli Young Investigator Award:

Resmi Rajalekshmi, PhD

Postdoctoral Fellow
Department of Translational Research
Western University of Health Sciences

Abhay Srivastava, PhD

Postdoctoral Fellow
Institute of Cardiovascular Sciences
University of Manitoba, Canada

Gautham Yepuri, PhD

Research Scientist
NYU Langone School of Medicine

Weiyue Wang, MD

Postdoctoral Fellow
Department of Cardiovascular Genetics
The University of Texas Health Science
Center at Houston (UTHealth Houston)

Abou Bakr Salama, MBBCh

Postdoctoral Research Associate
Baylor College of Medicine

Finalists for the Buddhadeb Dawn Young Investigator Award:

Vineet Agrawal, MD, PhD

Assistant Professor of Medicine
Director of Invasive CPET Program
Vanderbilt University Medical Center

Sangeetha Vadakke-Madathil, PhD

Assistant Professor
Department of Medicine
Icahn School of Medicine at Mount Sinai

Chandra Bhattacharya, PhD

Assistant Professor, Medicinal Chemistry
Department of Chemistry and Biochemistry
University of Nevada-Las Vegas

Suet Chen, PhD

Assistant Professor
Division of Cardiology, School of Medicine
University of Colorado-Denver Anschutz
Medical Campus

For more information, please visit www.iacs-nas-meeting.org

Or Email: iacsVegas@medicine.unlv.edu