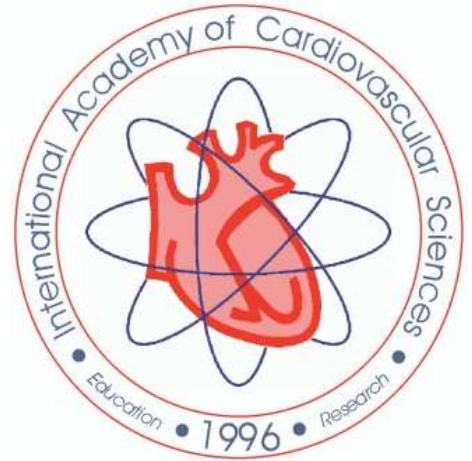


Promoting Cardiovascular Education, Research and Prevention

CV Network

THE OFFICIAL BULLETIN OF THE INTERNATIONAL ACADEMY OF CARDIOVASCULAR SCIENCES

PUBLISHED WITH THE ASSISTANCE OF THE ST. BONIFACE
HOSPITAL ALBRECHTSEN RESEARCH CENTRE



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Our Mission

To promote cardiovascular education of professionals and lay people and to recognize cardiovascular research achievements through-out the world.

International Academy of Cardiovascular Sciences

The International Academy of Cardiovascular Sciences was founded in 1996 and is headquartered in Winnipeg, Manitoba, Canada. Established by renowned Cardiovascular Scientists, Surgeons, and Cardiologists, the Academy provides the organizational structure for the world-wide sharing of research and education information in the field of heart health. Although great strides have been made in improving the death rate from heart disease, heart attacks and related problems are still the number one killer. The Academy believes that a fundamental problem is the lack of transmission of knowledge to the public. Research has found answers but the facts are too slow in moving beyond the labs. The Academy, through world-wide representation, builds connectivity and encourages networking through traditional means of conferences, workshops, journals, text and symposia, as well as consensus panels made up of advisory board members and other experts. The Academy continually pursues new information technologies which will result in more rapid and wider availability of the latest discoveries to help save lives.

Officers, Advisory Board and Executive Council of International Academy of Cardiovascular Sciences

(Honorary Life President: Naranjan S. Dhalla)

President:	Grant N. Pierce, Winnipeg, Canada
President-Elect:	Andras Varro, Szeged, Hungary
Past President:	Roberto Bolli, Louisville, USA
Executive Director:	Naranjan S. Dhalla, Winnipeg, Canada

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Dragan Djuric, Belgrade, Serbia	Gary Lopaschuk, Edmonton, Canada
Ricardo J. Gelpi, Buenos Aires, Argentina	Jawahar L. Mehta, Little Rock, USA
Ramesh K. Goyal, New Delhi, India	Tatiana Ravingerova, Bratislava, Slovak Republic
Rhian M. Touyz, Montreal, Canada	

Announcements by the Academy

The International Academy of Cardiovascular Sciences is pleased to announce the results of the following elections held recently. The ballots for the President-Elect of the International Academy of Cardiovascular Sciences were sent to all Fellows of the Academy all over the world whereas the ballots for the President-Elect for the IACS North American Section were sent to the Academy Fellows in the North America as well as the members of the IACS-North American Section. Both these positions, for a three-year term, will become effective September 21, 2025 after the Awards Ceremony at the North American Section meeting in Las Vegas.

1. President-Elect of the International Academy of Cardiovascular Sciences:

Dr. Jawahar L. Mehta, MD, PhD

Stebbins Chair in Cardiology

Distinguished Professor of Medicine, Physiology/Cell Biology, and Pharmacology/Toxicology

University of Arkansas for Medical Sciences

Little Rock, USA

2. President-Elect of the IACS-North American Section:

Ali J. Marian, M.D.

Professor of Molecular Medicine and Internal Medicine (Cardiology)

James T. Willerson, M.D. Distinguished Chair in Cardiovascular Research

Director, Center for Cardiovascular Genetics

Institute of Molecular Medicine, University of Texas Health Sciences Center

Texas Heart Institute, Houston, USA

The Achievements and Vision Statements of each of the elected individuals are as follows:

President-Elect of the International Academy of Cardiovascular Sciences



Dr. Jawahar (Jay) Mehta

Early Life and Education

When I look back on my journey from a young medical student in India to a cardiologist and scientist in the United States, I feel deeply grateful and humbled. I earned my medical degree from Panjab University in Chandigarh, India, and

later a Ph.D. in cardiovascular physiology from the University of Uppsala in Sweden. In the early 1970s. I moved to the US for further training – completing a residency at the Mount Sinai School of Medicine in New York, followed by advanced research training at the University of Minnesota. My academic career began at the University of Florida, where I rose to the rank of professor

and co-directed a hypertension research program. In 2000, a new opportunity brought me to Little Rock, Arkansas, as I was appointed the first Stebbins Chair in Cardiology at the University of Arkansas for Medical Sciences (UAMS). In this role, I took on leadership of the Cardiovascular Medicine at UAMS (and the affiliated VA hospital), where I had the privilege of guiding a team of over 100 physicians, trainees, and staff. Stepping into this leadership position was both challenging and rewarding – it allowed me to foster a mentor the next generation of cardiologists and researchers.

Research and Career Achievements

Over the course of my career, I have been driven by a passion to understand and combat heart disease through research. Early on, I was among the first investigators to identify the critical role of platelet activation in acute coronary syndromes – work that helped pave the way for the use of aspirin and other anti-platelet drugs in heart attack patients. I can still remember the excitement of those early findings, knowing they could change how we prevent

heart attacks. In subsequent years, my research turned to the molecular underpinnings of atherosclerosis. For the past decade and a half, I have focused on a receptor LOX-1, which binds oxidized LDL cholesterol. My colleagues and I opened a promising new target for cardiovascular therapy, one that has potential to prevent heart disease at its root. It has been incredibly fulfilling to see this research inspire new approaches in the treatment of atherosclerosis and related disorders.

Research is only meaningful when shared, and I have been fortunate to publish extensively and contribute to the scientific dialogue in cardiology. I have authored or co-authored over 1,300 scientific publications. I received several patents on my research innovations. I serve or have served on the editorial boards of several leading journals in our field – including *Circulation*, *Hypertension*, the *European Heart Journal*, and the *Journal of the American College of Cardiology*. I am also an active member of many esteemed professional societies such as the Association of American Physicians and the American Society for Clinical Investigation, which has given me a wonderful network of colleagues in science. My *h-index* currently is 125 (among the top 0.05% of all clinicians and scientists).

Throughout my career, I have been humbled to receive a number of honors and awards. One highlight was receiving the International Academy of Cardiovascular Sciences (IACS) Lifetime Achievement Award in 2019 – an honor that was especially meaningful to me, coming from an academy devoted to the field I love. Then, I received the Medal of Merit from IACS in 2019. I have also been recognized with international awards such as the Pericle d'Oro Prize in Italy.

I was particularly pleased to be named among the top 27 cardiologists in the United States by *Forbes* magazine, and among the top 10 senior clinician-scientists by the US Department of Veterans Affairs. While such accolades are gratifying, I view them not as personal trophies but as a testament to the collaborative effort of the teams I've worked with and the trainees I've mentored. In fact, one of the most touching honors I've received came not as a trophy, but in the form of trust and appreciation: grateful patients contributed to endow a *Mehta Chair in Cardiovascular Research* at UAMS in my name, and a visiting *Mehta lectureship* to honor me and my wife. Seeing my name attached to these initiatives moved me deeply.

Mentorship and Personal Values

If there is one thing in my professional life that equals my passion for research, it is my commitment to mentorship. Guiding young physicians and scientists has been one of the great joys of my career. I've had the opportunity to mentor numerous medical residents, cardiology fellows,

graduate students and post-doctoral researchers. Watching these bright individuals grow into skilled professionals – and often become mentors themselves – has been more rewarding than any publication or award. On a personal level, I am guided by a set of core values that have remained constant through every challenge and success: **friendship, family, learning, and education**. These values are the foundation of who I am. I owe so much to the friendships I've built over the years – from the mentors who took a chance on me, to the colleagues who collaborated with me, to the students who kept me inspired. My family has been my rock through long nights in the hospital and long days in the research lab, reminding me what truly matters at the end of the day. I've also always believed in learning – that no matter how experienced one becomes, there is always something new to discover or a new perspective to understand. These values of friendship, family, learning, and education have been my compass.

Vision for the International Academy of Cardiovascular Sciences

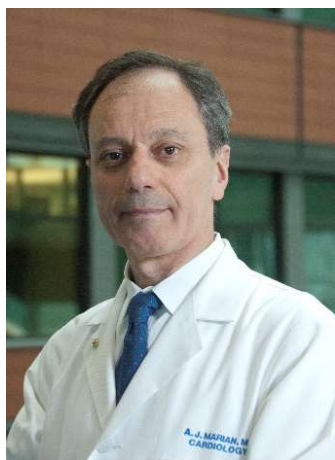
As I look forward to the future and my role in the International Academy of Cardiovascular Sciences, I am excited by the possibilities of what we can achieve together. IACS has been an important part of my professional community for years, and now I may have the opportunity to help guide its mission on a larger scale. One of my key aspirations is to **strengthen the ties between our scientific academy and clinical medicine**. We must bridge the gap between the laboratory bench and the hospital bedside. In practical terms, this means fostering closer collaboration between researchers and clinicians – encouraging more clinicians to participate in IACS and more scientists to focus on translational work. By strengthening these clinical ties, we ensure that our discoveries in cardiovascular science quickly translate into new treatments and better care for patients. I have seen throughout my career how crucial this bridge is: when scientists and physicians speak the same language and work hand-in-hand, patients benefit and lives are saved. I am committed to making IACS a platform where such collaboration thrives.

Another passion of mine is **engaging the youth and early-career professionals** in cardiovascular science. The future of the IACS – and of cardiovascular medicine as a whole – lies in the hands of the next generation. I want to ensure that we are doing everything we can to inspire and support young people who are interested in this field. To that end, I plan to expand mentorship programs, scholarships, and youth outreach through IACS. Whether it's creating opportunities for medical students and PhD candidates to present their research at our conferences, or establishing internships and training workshops, I want the Academy to nurture young talent. We need to show students and young scientists that they have a home in our community, and that

their ideas and energy are valued. By empowering youth, we invest in the longevity and dynamism of IACS. Engaging young minds isn't just about recruiting future

clinical cardiologists and basic scientists – it's about igniting a lifelong curiosity and a commitment to health that will ripple through families and communities.

President-Elect of the IACS- North America Section



Dr. Ali J. Marian

I am most honored and grateful to be nominated for the Presidency of the International Academy of Cardiovascular Sciences (IACS). First and foremost, I wish to recognize and acknowledge the past and current leaders of the IACS who have invested enormous time and effort since the inception of the Academy to successfully position it to succeed and embark on higher grounds. The

success of the current leadership of the Academy is well-depicted in the recent annual scientific meetings of the Academy, which are second to none.

As a physician-scientist, I deeply value the mission of the academy to enhance the care of patients with cardiovascular disease through advancing and disseminating scientific discoveries. As the President of the IACS, I will advance the IACS mission through several initiatives that I will implement following close discussion and guidance from the leadership of the organization. In addition to the regular functions of the President, such as organizing regular meetings of the Council and planning the annual scientific meetings, I will start and advance the following initiatives:

Financial security and independence of the Academy. I will initiate several fundraising programs to secure funding that will be used toward:

- Operational cost of the organization
- Supporting the annual scientific meetings
- Sponsoring training and fostering the career of the young investigators, including inviting the promising young investigators, identified by the chair of the departments at institutions throughout North America, to the annual scientific meetings of the ACS.

- Supporting the IACS webinar series (bimonthly webinars by distinguished scientists)
- Enhancing the webpage and communications platforms of the IACS

Raising the academic prestige of the institution further:

- In consultation with the leadership, I will identify and invite prestigious scientists to join the Academy as lifetime members.
- For selected distinguished physicians and scientists, I will raise funds to pay for their lifetime membership in the Academy.
- In consultation with the program director of the annual scientific meeting, I will identify and nominate world-renowned authorities to speak at the annual scientific meeting (all costs covered).

Increasing the paid membership:

- I will closely work with the leadership of the Academy to identify and invite clinical investigators, basic science investigators, and trainees at all levels at various institutions to join the Academy.
- I will expose the academic activities of the Academy, such as the webinar series and the annual scientific meeting, to a broader range of the cardiovascular community to recruit new paid members.
- I will set up career development plan workshops during the annual scientific meetings of the IACS to attract the young investigators to become paid members of the IACS.

Enhancing the scientific impact of the Academy:

- In collaboration with the leadership of the Academy, I will establish platforms through the webpage of the Academy and invite leaders in cardiovascular science and medicine to discuss their vision and perspective on hot scientific topics.
- In collaboration with the scientific leaders at the IACS, including the secretary of the Academy, I will organize and operate a first-class scientific webinar series.

Enhance collaboration with other branches of the IACS

- Organize joint academic activities, including an annual joint webinar series.
- Organize a leadership retreat during the annual scientific meetings of the Academy.

In summary, my vision during my tenure as President would be to transform the IACS into a financially healthy, standalone international organization that spearheads the dissemination of cardiovascular sciences and advances the findings toward the care of patients with cardiovascular diseases.

CV Network Editorial Board

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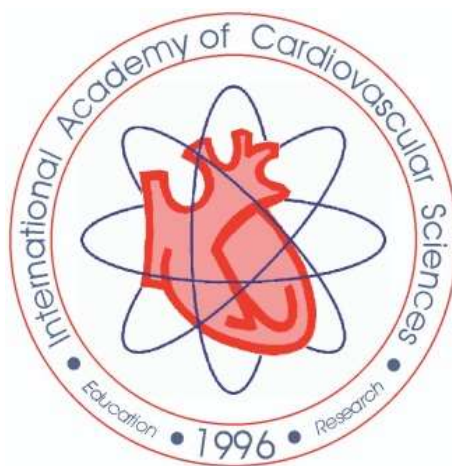
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12TH ANNUAL MEETING
NORTH AMERICAN SECTION

INTERNATIONAL ACADEMY OF
CARDIOVASCULAR SCIENCES

MENTORING SESSION: CHOOSING A CAREER IN RESEARCH

 **FRIDAY, SEPTEMBER 19TH**

 **6:30 - 7:30 PM**

Join Dr. Bolli as he shares insights for students, trainees, and early-career scientists!

Topics include:

- Pros and cons of a research career
- Choosing the right mentor and project
- Common pitfalls to avoid
- Key traits of a successful investigator

**** Signing up is Mandatory, please sign up by
September 8th ****



SCAN HERE



**ROBERTO BOLLI
M.D., D.SC. (HON)**

*Professor of Medicine and
Physiology
Distinguished University
Scholar
Legacy Foundation of
Kentuckiana Distinguished
Chair in Cardiology
Director, Institute of
Molecular Cardiology
Editor-in-Chief, Molecular
and Cellular Biochemistry*

12th Annual Meeting
North American Section

International Academy of Cardiovascular Sciences



September 18–20, 2025
LAS VEGAS, NEVADA

Conference Chair

Buddhadeb Dawn, MD

Kirk Kerkorian School of Medicine,
University of Nevada, Las Vegas
Email: buddha.dawn@unlv.edu

Organizing Committee

Devendra K. Agrawal, PhD (Pomona, CA)
Jacqueline Clark (Las Vegas, NV)
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Conference Website:

Visit <https://iacs-nas-meeting.org/>

Scan the QR code



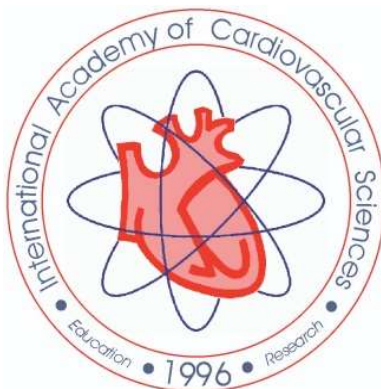
KIRK KERKORIAN
SCHOOL OF MEDICINE

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
<i>Bradley Ferguson, PhD, University of Nevada, Reno</i> |
| 11:00 - 11:20 am | Role of KDM5 in Epigenetic Regulation of Heart Failure
<i>Priyatansh Gurha, PhD, McGovern Medical School at UT Health</i> |
| 11:20 - 11:40 am | Human -Omics Data to Advance Novel Discovery in Heart Failure
<i>Jacob Joseph, MD, Brown University</i> |
| 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
<i>Sakthivel Sadayappan, PhD, University of Arizona</i> |
| 1:20 - 1:40 pm | Is Pre-Phenotype Treatment of HCM a Reasonable Goal?
<i>J. Carter Ralphe, MD, University of Wisconsin</i> |
| 1:40 - 2:00 pm | Contractility and Relaxation in Pediatric Dilated Cardiomyopathy
<i>Carmen Sucharov, PhD, University of Colorado</i> |
| 2:00 - 2:20 pm | Determinants of Cardiac Recovery in Inherited Dilated Cardiomyopathy
<i>Jennifer Davis, PhD, University of Washington</i> |
| 2:20 - 2:40 pm | The Sarcomere in Atrial Fibrillation
<i>Jonathan Kirk, PhD, Loyola University</i> |
| 2:40 - 3:00 pm | Coffee Break |

PROGRAM AGENDA

AGENDA – Day 2: Friday, September 19, 2025

Session 6

CIRCADIAN RHYTHM, EXERCISE, DIET, AND AGING

- | | |
|----------------|---|
| 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

- | | |
|----------------|---|
| 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**
About 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

- | | |
|----------------|--|
| 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 Goulopoulou, 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

- | | |
|----------------|--|
| 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> |

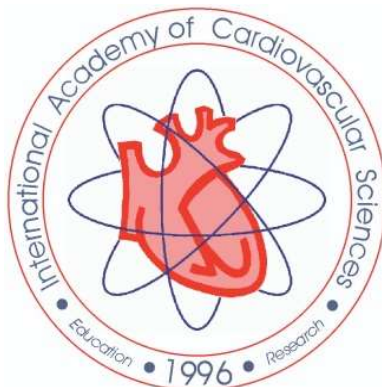
PROGRAM AGENDA

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
TBD |
| 6:00 pm | Awards Ceremony and Gala Dinner |





31ST SCIENTIFIC FORUM – INTERNATIONAL CONGRESS OF
CARDIOVASCULAR SCIENCES
23RD ANNUAL MEETING OF THE SOUTH AMERICAN SECTION OF THE
INTERNATIONAL ACADEMY OF CARDIOVASCULAR SCIENCES 17TH
TOCANTINENSE CONGRESS OF CARDIOLOGY - SOCETO



16a 18 / outubro / 2025 /

Auditório CUICA - UFT,
Palmas, Tocantins

October 16-18, 2025



Realization:



Av. NS 15, 109 - 16a Plano Diretor Norte, Palmas TO, 77001-090



01 – Meeting Organizers

- IACS South American Section – IACS-SAS Event
- President of the IACS-SAS: Prof. Dr. Melchior Lima
- President of International Congress: Prof. Dr. Henrique Furtado
- Scientific Director of International Congress: Dr. Tercio Campos Leão Neto
- SOCETO - Cardiology Society of the State of Tocantins
- President of SOCETO: Dr. Daniel Janczuk
- President of Tocantinense Congress: Dra. Adalgele Rodrigues Blois
- Scientific Director of Tocantinense Congress: Prof. Dra. Alinne Macambira

02 – Meeting Contact Information

- @sbctocantins
- iacspmw25@gmail.com
- soceto.com.br/congresso

03 – Venue

- Centro Integrado de Ciência, Cultura e Arte / Art, Culture and Science Integrated Centre / CUICA UFT
- Palmas, Tocantins – Brazil

04 – Accommodation

- Girassol Plaza Hotel - www.hotelgirassolplaza.com.br
- Código Promocional: IACS
- eventos@grupogirassois.com.br
- Hotel 10 - www.hotel10.com.br
- Código Promocional: SOCETO25
- reservaspalmas@hotel10.com.br

05 – Registration Dates

- From August 1st to October 16th, 2025

06 – Costs

- See website for details



Organized by:

The meeting is organized under the auspices of the South American Section of the International Academy of Cardiovascular Sciences (IACS-SAS) and the Cardiology Society of the State of Tocantins (SOCETO).

The following scientific topics will be covered:

- Acute and Chronic Coronary Syndrome
- Atherosclerosis
- Arrhythmia and Electrophysiology
- Basic Research
- Cardiac Arrest
- Cardiometabolic Disease
- Cardiovascular Imaging
- Cardiovascular Prevention
- Congenital Heart Disease
- Coronary and Structural Heart
- Intervention
- Heart Failure
- Hypertension
- Myocardial and Pericardial Disease
- Myocardial Ischemia
- Peripheral Vascular and Aortic Disease
- Pulmonary Circulation
- Rehabilitation
- Valvular Heart Disease
- Advances in Cardiovascular Medicine
- Advances in Cardiovascular Sciences
- Device Therapy



There will be several scientific sessions in the field of Clinical, Cellular and Molecular Cardiology, which are being organized by the Program Committee chaired by Dr. Henrique B. Furtado, and Dra. Adalgele Rodrigues Blois. In addition, the following scientific sessions will be held at the Palmas meeting:

- Advances in Cardiovascular Science
- Advances in Cardiovascular Medicine
- Otoni Gomes Young Investigator Awards Competition
- Ricardo Gelpi Graduate Student Awards Competition
- Melchior Lima Early Career Investigators Awards Competition
- Henrique Furtado Heart Health Awards Competition

In addition, there will be the following 8 Awards for Established Investigators at this conference

- Otoni Gomes Award - One
- Daniel Janczuk Award - One
- Ricardo Gelpi Award - Two
- Melchior Lima Awards - Two
- Henrique Furtado Awards - Two

Poster Awards

- Melchior Lima Poster Awards (two)
- Antoinette Blackman Awards (two)
- Naranjan S. Dhalla Awards (one)

For further information please contact:

Dr. Henrique B. Furtado, MD
Professor and Chairman Cardiology Department
Medical College of the University of Tocantins -
Palmas Av. LO 03, No 111- 103 Sul, Palmas- TO
CEP 77015-036 Brazil
iacspmw25@gmail.com
www.soceto.com.br/congresso



31ST SCIENTIFIC FORUM – INTERNATIONAL CONGRESS OF
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TOCANTINENSE CONGRESS OF CARDIOLOGY - SOCETO



VENUE:



Support:



Organizing Agency:



11th meeting of the European Section of the Academy Prague, Czech Republic, November 2-4, 2025

Dear Researchers and Colleagues,

We are pleased to invite you to participate in the *Czech Cardiovascular Research and Innovation Days 2025* and the *11th European Section Meeting of the International Academy of Cardiovascular Sciences* held in Prague, Czech Republic, on November 2–4, 2025, at the Vienna House by Wyndham Diplomat Prague Hotel.

This international conference is organized by the Czech Society of Cardiology and the European Section of the International Academy of Cardiovascular Sciences. The official language of the event will be English. Our primary objective is to bring together leading scientists, clinical and experimental cardiologists, research fellows, and trainees to participate in this prestigious scientific forum. We believe this conference will serve as a valuable opportunity to discuss the latest advances in clinical and experimental cardiovascular research.

We look forward to welcoming you to Prague!

Petr Ostadal,
President, Czech Society of Cardiology
On behalf of the Organizing and Programme Committees



This scientific meeting will focus on the following scientific topics:

- Acute and Chronic Coronary Syndrome
- Atherosclerosis
- Arrhythmia and Electrophysiology
- Basic Research
- Cardiac Arrest
- Cardiometabolic Disease
- Cardiovascular Imaging
- Cardiovascular Prevention
- Congenital Heart Disease
- Coronary and Structural Heart Intervention
- Device Therapy
- Heart Failure
- Hypertension
- Myocardial and Pericardial Disease
- Myocardial Ischemia
- Peripheral Vascular and Aortic Disease
- Pulmonary Circulation
- Rehabilitation
- Valvular Heart Disease

Registration Fees:

	Early (until 10.06.2025)	Standard (until 02.10.2025)	Late / On-site
Regular Registration	130 €	160 €	200 €
PhD Student	30 €	60 €	100 €
Accepted Abstract - 1st Author	0 €	0 €	0 €

The Registration fee includes:

- *access to all sessions,*
- *access to the industry exhibition,*
- *program booklet,*
- *all conference meals (coffee breaks and lunches).*

Call for Abstracts:

All participants are invited to submit their abstract for ORAL or POSTER presentations.

Abstract submission deadline: June 30, 2025.

Abstract can be submitted on-line after registering for **ACTIVE** participation.

First author of an accepted abstract will have their registration fees waived.

Young Investigators Award:

The Organizing and Programme Committee invites investigators under the age of 35 to submit their original paper for the **Roberto Bolli Young Investigators Symposium**.

The posters will be displayed primarily in PRINTED form (the poster stand dimensions are w=100 cm, h=200 cm).

ABSTRACTS SUBMISSION GUIDELINES:

Please use the submission form to upload your abstract.

Text

- maximum of 2500 characters (including spaces)
- abstract text structured into Introduction, Methodology, Results and Conclusion

Authors

- name and surname without titles (*e.g. John Doe*)
- list author's affiliation(s) (*e.g. Dept. of Cardiology, Great University*)
- secondary affiliation can be added after saving
- co-authors can be added after saving
- repeating affiliation can be selected from the list
- if submitted by a co-author the presenting author shall be marked with an asterisk (*e.g. *John Doe*)

Accepted abstracts will be published in **Cor et Vasa**, the journal of the Czech Society of Cardiology and Czech Society for Cardiovascular Surgery.

Meeting Venue & Accommodation:

Vienna House by Wyndham Diplomat Prague Evropská 15 | Prague | Czech Republic
A special accommodation price has been arranged for the Conference participants directly at the Conference Venue. To book the accommodation at this price please use the exclusive **CCvRI Days and IACS-ES reservation link**.

The link will remain open until **September 30, 2025**.

Alternative Accommodation Possibilities:

Hotel DAP
[website](#) (7 min. walk)

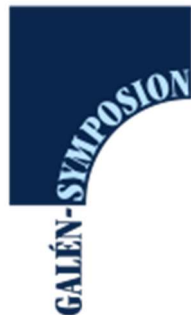
Hotel International
[website](#) (10 min. public transport+walk)

Awards:

There will be 10 awards for Established Investigators, in addition to the Naranjan Dhalla Honorary Lecture Medal. Roberto Bolli Young Investigator Symposium is also being organized for Cardiovascular Investigators. There will be 6 poster awards in the name of:

1. Attila Ziegelhoffer (2 awards)
2. Keld Kjeldsen (2 awards)
3. Milosav Kostic (2 awards)

Organizing Agency:



GALÉN - SYMPOSION s.r.o.

Břežanská 10
100 00 Praha 10
Czech Republic
tel: +420 222 518 535

Jan Krušina
j.krusina@gsymposion.cz

For further information please contact,

Conference Secretariat:

Prof. Petr Ostadal, MD, PhD, FESC, FIACS

President, Czech Society of Cardiology

Head, Department of Cardiology

Second Faculty of Medicine, Charles University

Motol University Hospital

V Uvalu 84, 15000, Prague, Czech Republic

Phone: +420224434901

E-mail: ostadal.petr@gmail.com

Conference website: www.CzCVRIdays.com



JOINT INTERNATIONAL CONFERENCE– 2026
OF
INTERNATIONAL ACADEMY OF CARDIOVASCULAR SCIENCES (India Section)
&
SOCIETY FOR NITRIC OXIDE AND ALLIED RADICALS

Theme :
Application and Integration of Advancements
in Basic and Clinical Sciences (AI-ABCs)

5th – 7th FEBRUARY, 2026

Organized By

Department Of Physiology
Hamdard Institute of Medical Sciences & Research

Venue :

Hamdard Institute of Medical Sciences & Research (HIMSR), New Delhi – 110062

Organising Secretary

Dr. Md. Iqbal Alam

Professor & Head, Department of Physiology,
Hamdard Institute of Medical Sciences & Research, Jamia Hamdard, New Delhi-110062.
Email : iacs.snoar26@gmail.com | Phone: +91- 9953971178

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Supported by
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Society for Nitric Oxide and Allied Radicals, New Delhi





JOINT INTERNATIONAL CONFERENCE-2026
of
International Academy of Cardiovascular Sciences (India Section)
&
Society For Nitric Oxide And Allied Radicals

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 Dr. Dhandapany P (Member, IACS)
 Dr. Yadav HN (Member, IACS)
 Dr. SK Maulik (Advisor, IACS)
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 Dr. Renuka Sharma (VMMC, New Delhi)
 Dr. Madhushudhan Pal (DIPAS, New Delhi)
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JOINT INTERNATIONAL CONFERENCE-2026

of
International Academy of Cardiovascular Sciences (India Section)
&
Society For Nitric Oxide And Allied Radicals

Theme

**Applications and Integration of Advancements in Basic
and Clinical Sciences (AI-ABCs)**

Organized By

**HAMDARD INSTITUTE OF MEDICAL SCIENCES & RESEARCH,
HAMDARD NAGAR, NEW DELHI – 110062**

Orations and Symposia of IACS

Riya and Paul Ganguly Symposium

Suresh K. Gupta Oration

Rakesh Kukreja Oration

C. R. Soman Symposium

Ramesh K. Goyal Oration

Suresh Tyagi Oration

N. Radhakrishnan Symposium

Harpal Buttar Oration

Devendra Agrawal Oration

K K Nair Oration

K.K. Talwar Oration

Awards to Young Investigators

**N. S. Dhallia Awards
in Basic Sciences
&
Genomics Research**

**C.C. Kartha Awards
in
Cardiovascular
Research**

**N. K. Ganguly Awards
in
Clinical Research**

For more information visit our website : <https://bit.ly/A1-ABCS-HIMSR-26>

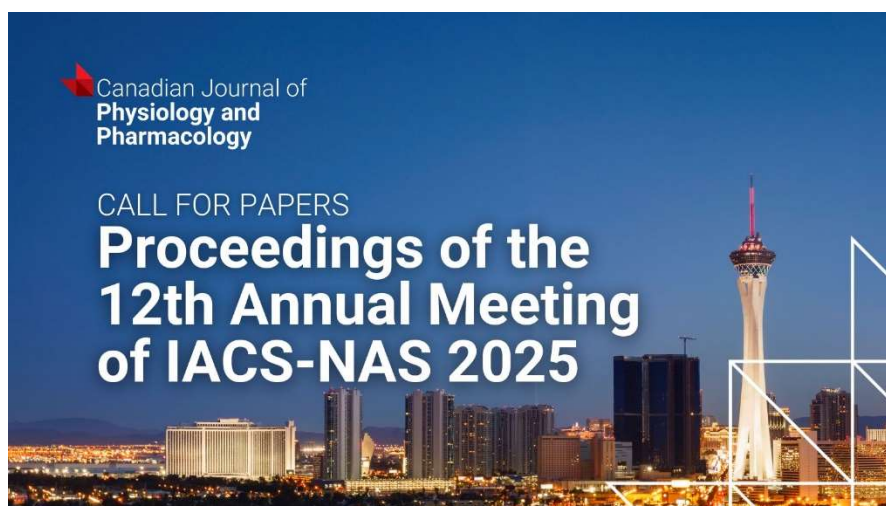
What's New in the Canadian Journal of Physiology and Pharmacology

Call for Papers – Proceedings of the 12th Annual Meeting of IACS-NAS 2025

The proceedings from the conference will be published in the [Canadian Journal of Physiology and Pharmacology](#) (CJPP).

Submission start date is September 18, 2025.

Final deadline is January 15, 2026.



CJPP is looking for clinician–researchers to join its Editorial Board!

The journal is growing to include more clinical content, and we are excited to invite **clinician–researchers** to join us in this endeavor.

If you are a clinician–researcher who works in cardiovascular, muscular, respiratory, hepatic, or renal health, oncology, neurology, metabolism, immunology, or psychopharmacology and pharmacokinetics, and you are interested in contributing as an Associate Editor or peer reviewer for the journal, we would be thrilled to hear from you!

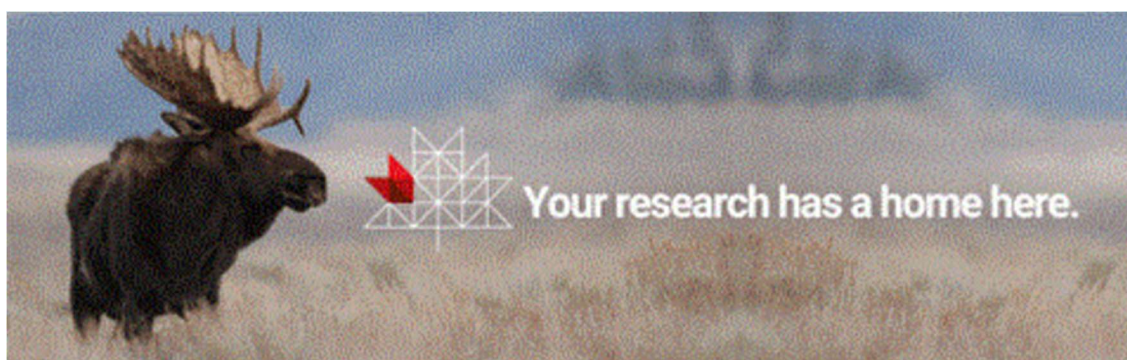
Associate Editors manage peer review and make decision recommendations to Section Editors based on reviewer reports and their own assessment of assigned manuscripts (<12 per year). Associate Editors also collaborate with the journal team to develop and promote the journal.

Please send expressions of interest—including your CV and a brief description of your qualifications, area(s) of expertise, and any relevant peer review or editorial experience—to engagement@cdnsiencepub.com.

Canadian Journal of Physiology and Pharmacology - Editor's Choice

The following are recent selections from each journal month by the Editor-in-Chief, Dr Lorrie Kirshenbaum. Congratulations to everyone whose paper was selected!

- July: Nampt: a new therapeutic target for modulating NAD⁺ levels in metabolic, cardiovascular, and neurodegenerative diseases
<https://doi.org/10.1139/cjpp-2024-0400>
- August: Myotubularin related protein 7, a novel STIM1 binding protein
<https://doi.org/10.1139/cjpp-2025-0039>
- September: Celebrating the life and legacy of Dr. Gary D. Lopaschuk (1955–2025)
<https://doi.org/10.1139/cjpp-2025-0166>



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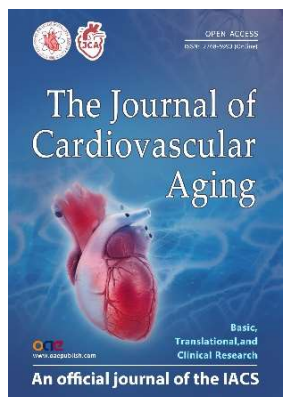
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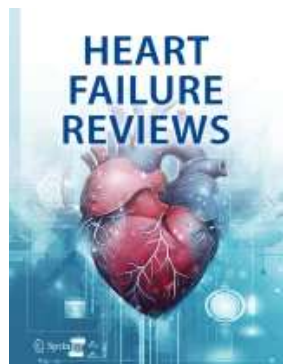
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