

THE NEWS BULLETIN OF THE INTERNATIONAL SOCIETY FOR HEART RESEARCH



MENDOZA
CITY,
ARGENTINA
JUNE, 2023

1



TOKYO,
JAPAN
DECEMBER
2022

12



SAVE THE DATE
- NARA, JAPAN
MAY 11-14, 2025

5

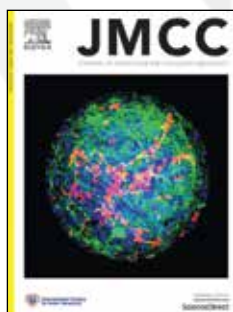
IN THIS ISSUE:

- *Report on the Chinese Section Meeting* 1
- *President's Letter* 4
- *2025 World Congress: Nara Japan* 5
- *2019 Peter Harris Distinguished Scientist Award* 6
- *Report on the Latin American Section Meeting* 7
- *JMCC Editors' Update* 8
- *2018 Distinguished Leader Award* 10
- *Report on the Japanese Section Meeting* 11
- *MCI Intl Update* 13
- *Meetings Calendar* 15

REPORT ON THE XVI MEETING OF THE CHINESE SECTION



The opening plenary lecture was given by Prof. DONG Erdan, ISHR-CHI Vice-President.



<http://ees.elsevier.com/jmcc/default.asp>
for online submission
of manuscripts

The 16th Annual Meeting of the International Society for Heart Research (ISHR) - Chinese Section (ISHR-CHI) was organized jointly with the Cardiovascular Society of Chinese Association of Pathophysiology (CAP) with the support of the Institute of Cardiovascular Sciences of Soochow University on Dec 10-11, 2022. Due to COVID-19 concerns, the conference was held online and began with a Welcome and Opening Ceremony. The online meeting was hosted by the executive chairman of the 16th Annual Meeting of ISHR-CHI, Prof HU Shijun. Over one hundred representatives from ISHR-CHI and the Cardiovascular Society of CAP were invited to the Opening Ceremony online. The President of CAP, Prof. ZHANG Youyi, the President of ISHR-CHI, Prof. ZHU Yi, and the chair of the Cardiovascular committee of CAP, Prof. XU Ming, delivered short welcome



Plenary lecture from Prof. TIAN Rong.

speeches. The Congress had 56 invited keynote speeches, covering the themes of cardiac pathophysiology, vascular pathophysiology, stem cell and regeneration, and translational medicine. Although this conference was held online, the latest national and international achievements in basic and translational cardiovascular research were presented at the Congress, which laid a solid foundation for scientists in China to join in the 2025 ISHR XXV World Congress in Nara, Japan.

The conference program included six plenary lectures along with four sessions of special reports on cardiac pathophysiology, vascular pathophysiology, stem cell and regeneration, and translational medicine. There were also two sessions for young scientists.

Plenary lectures

Six plenary lectures were given after the opening ceremony. Academician DONG Erdan (ISHR-CHI Vice President) gave the first talk on traction force and driving force of medical science research. Prof. TIAN Rong, Editor in Chief of *Journal of Molecular and Cellular Cardiology* (JMCC), gave a wonderful talk on “Mitochondria meet inflammation in cardiac injury and repair”. The next speaker was Prof. CHEN Qi (Nanjing Medical University), whose study focused on macrophages in cardiovascular disease. Prof. YANG Huangtian (ISHR-CHI Vice President) introduced her excellent work on hiPSC-based therapy for infarcted hearts. Prof. HUANG Yu (City University of Hong Kong) gave an excellent talk on hemodynamic forces and endothelial function regulation. Finally, Prof. ZHOU Bin shared his recent work about the origin and function of cardiac fibroblasts.

Parallel Sessions

In the afternoon of Dec 10th, 2 parallel discussion forums were held addressing cardiac pathophysiology and translational medicine. In the cardiac pathophysiology forum, 10 researchers (Prof. SHEN Zhenya, Prof. REN Jun, Prof. YU Ying, Prof.

ZHU Zhiming, Prof. PAN Zhenwei, Prof. JI Yong, Prof. XU Ming, Prof. ZHANG Chunxiang, Prof. WANG Kun and Prof. GUO Yuxuan) shared their findings and views on heart disease involving problems in heart failure treatment, cardio-oncology, prostaglandin roles, metabolic hypertension, ASPP1-involved mechanism of myocardial ischemia-reperfusion injury, protein sulfhydryl modification, drug innovation based on myocardial remodeling markers, non-coding RNA, HAAPIR-involved cardiac injury and calcium regulation of cardiomyocyte maturation.

In the translational medicine forum, 10 researchers (Prof. HUI Rutai, Prof. WANG Dangwen, Prof. KONG Xiangqing, Prof. Yuan Zuyi, Prof. TANG Yida, Prof. ZENG Chunyu, Prof. CHEN Shaoliang, Prof. ZHOU Jiaguo, Prof. XIAO Junjie and Prof. PU Jun) presented their work about cardiovascular translational medicine related to genetic diagnosis, sST2-targeted treatment for myocarditis, perirenal fat, regulation of intestinal flora, interdisciplinary convergence of medical engineering, irisin-involved cardiac and pulmonary repair, PADN for patients with pulmonary arterial hypertension, relationship between calcium signal and atherosclerosis, exercise-based protection against angiocardiopathy, as well as circadian nuclear receptor.

On Dec 11th, 2 parallel discussion forums addressing stem cell and regeneration and vascular pathophysiology and two Young Scientist Research forums were held. In the stem cell and regeneration forum, 10 researchers (Prof. YU Xiyong, Prof. SUN Ning, Prof. LIANG Ping, Prof. CAO Nan, Prof. WANG Li, Prof. XIN Hongbo, Prof. CAO Feng, Prof. HU Shijun, Prof. ZHANG Li, Prof. HU Xinyang) shared their findings and views on phenotypic transformation of cardiomyocytes via epigenetic reprogramming, the role of MESP1-RING1A complex in cardiac differentiation, the iPSC model of arrhythmia, proteostasis, postnatal state transition of cardiomyocyte, characteristics and functions of human amniotic epithelial stem cells, multimodal tracing, cardiovascular organoids, endothelial repair and regeneration via stem cells, and stem cells and their derivatives for cardiac repair.



Plenary lecture from Prof. HUANG Yu.

In the vascular pathophysiology forum, 10 speakers (Prof. ZHU Yi, Prof. GAO Pingjin, Prof. DAI Xiaoyan, Prof. HUANG Hui, Prof. LI Huihua, Prof. KONG Wei, Prof. ZHONG Jiuchang, Prof. GONG Hui, Prof. CHEN Jingzhou, Prof. GUO Junli) presented their work about vascular diseases related to SARS-CoV-2, endothelialitis and thrombosis, alexin, pristane, vascular aging, integrin and hypertension, smooth muscle cell metabolism, iron metabolism and ferroptosis in hypertension, Wnt signaling in acute myocardial infarction, hypertensive cerebral hemorrhage, as well as eosinophilic granulocytes.

In the two Young Scientist Research forums, 10 researchers (Prof. JIANG Changtao, Prof. AI Ding, Prof. ZHANG Yingmei, Prof. WU Yue, Prof. LI Yulin, Prof. WANG Xiujie, Prof. WANG Jing, Prof. GONG Kaizheng, Prof. XIAO Han, Prof. ZHANG

Xu) shared their latest cardiovascular research. Their topics covered a broad spectrum of research interests for finding a cure for heart disease. There was a robust exchange of views between the speakers and the audiences online.

Highlights of the Congress

There was a high level of invited talks and special reports, all of which were shared with the most distinguished scientists in China focusing on current cardiovascular and receptor research. One major highlight of this event was the theme of “Translational Medicine”, which was inherited from a previous ISHR-CHI meeting. Comprised of two sessions with 10 invited talks, this forum served as a communication platform between basic and clinical researchers, leading to several noteworthy achievements in translational medicine research. The lectures



First line from left to right, group photo, Prof. LI Huihua (Beijing Chao-yang Hospital, Capital Medical University), Prof. TAN Hongmei (Sun Yat-Sen University); Second line from left to right, Prof. CHEN Chen (Tongji Hospital, Huazhong University of Science and Technology), Prof. ZHU Yi (Tianjin Medical University), Prof. TANG Chaoshu (Peking University); Third line from left to right, Prof. ZHENG Wen (Zhengzhou University), Prof. DAI Xiaoyan (Guangzhou Medical University).

(continued on page 15)

PRESIDENT'S LETTER



In this letter to the members of the ISHR, I would like to introduce the XXV ISHR World Congress and Nara as the host city in 2025. As you can see on the ISHR home pages (<https://ishrworld.org>), the 2025 World Congress (WC2025) will be held at the Nara Prefectural Convention Centre in Nara, Japan for four days from 11 (Sun) to 14 (Wed) May 2025. The Congress Chair and the Chairman of Local Organizing Committee (LOC) is Issei Komuro (Vice President and Professor, International University of Health and Welfare, Tokyo).

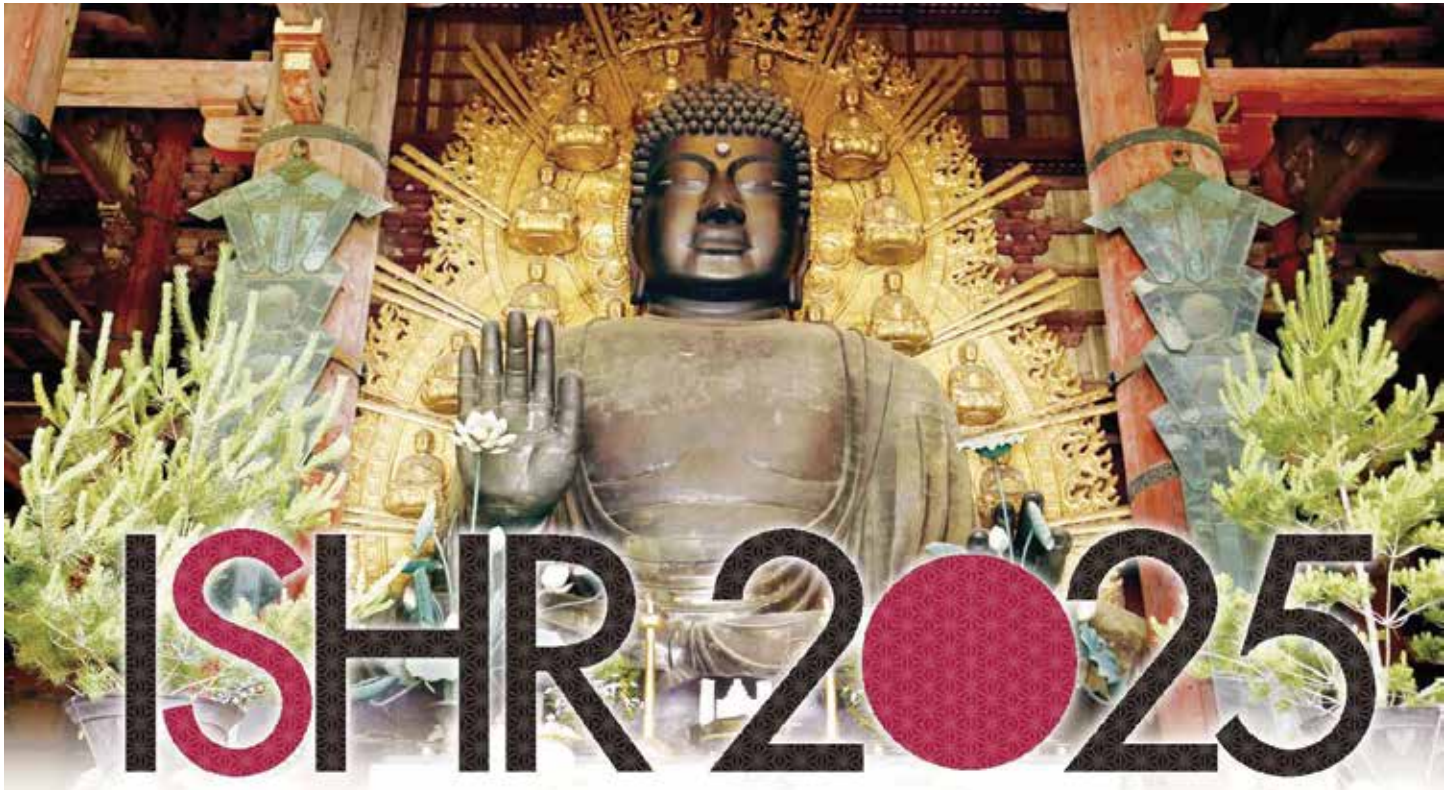
ISHR-International (ISHR-Intl) has now formed a Scientific Program Committee (chaired by Secretary-General, Jolanda van der Velden) and discussions have started on the selection of themes and speakers for the 20 symposia sponsored by ISHR-Intl. As they have done in past Congresses, ISHR-Intl is also sponsoring 6 plenary Award Lectures, and the LOC, in cooperation with the ISHR-Japanese Section, is planning a locally-sponsored symposium. A larger than usual travel award budget has been allocated for WC2025, so we will be able to welcome many young researchers to Nara.

It has been 15 years since the last ISHR WC in Japan was held in Kyoto in 2010. Kyoto, as you know, was the ancient capital of Japan for over 1000 years from 792 to 1868 and is one of the most beautiful cities in Japan. Nara is also one of the most beautiful and important cultural cities of Japan and was the capital of Japan for about 100 years before the capital was moved to Kyoto. The Heijokyo Capital, which was the capital in Nara, has been reconstructed in the immediate vicinity of the Nara Convention Centre. Also, about 2 km east of the Congress venue are the very famous Nara Park (deer park), Todaiji Temple, the Great Buddha and Kasuga Taisha Shrine. To the west of the venue are Yakushiji Temple, which has two beautiful three-story pagodas, and Horyuji Temple, the oldest wooden building in the world. All of these are World Heritage sites and Nara is a cultural city surrounded by World Heritage sites. Please visit YouTube to see a short video introducing you to Nara (<https://www.youtube.com/watch?v=i8kjpDT-2CM&t=31s>).

The day after the conference ends, Kyoto will host the Aoi Matsuri Festival, one of the three major festivals in Kyoto (those who attended in 2010 will remember this festival). Nara and Kyoto are only one hour apart by train. Beginning in April 2025, EXPO 2025 will be held in Osaka, also only an hour away from Nara by train. Along with superb science, you can also enjoy Japanese history, culture and food in Nara and Kyoto and the EXPO in Osaka.

We look forward to welcoming you to Nara in May 2025!

Yoshihiko Saito, MD
President, ISHR-International



NARA



XXV World Congress



International Society for Heart Research

Date ——— May 11(Sun.) -14(Wed.), 2025

Venue ——— Nara Prefectural Convention Center, Japan

Congress Chair ——— **Issei Komuro, M.D., Ph.D.**

Vice president and professor
International University of Health and Welfare
Tokyo, Japan



SIAN HARDING, PH.D.

BROKEN HEART SYNDROME – WHAT DOESN'T KILL YOU MAKES YOU STRONGER?

WINNER OF THE 2019 PETER HARRIS
DISTINGUISHED SCIENTIST AWARD

(JUNE, 2019; BEIJING, CHINA)

Prof Harding's interests have centred on the function of the cardiac myocyte from the failing human heart since 1987, when she developed a method for the reliable isolation of intact myocytes from human atria and ventricles and established the suitability of the myocyte preparation (both human and animal) for constructing concentration-response curves to pharmacological agents. She started work on beta-adrenoceptor mechanisms during her first post-doctoral position, which was supervised by Professor Peter Harris.

Since that time, she has defined the main contractile deficits in myocytes from failing human heart, showing that the frequency response is lost and that stimulation through the beta-adrenergic receptor (β AR) is depressed. Prof Harding was among those providing evidence for a role of SERCA2a loss and G_i upregulation in these phenomena. Studies on animal models of β AR desensitisation or overexpression, hypertrophy and heart failure, as well as adenoviral/AAV transfection of animal myocytes in vitro and in vivo, have unravelled processes underlying the alterations seen in human cardiomyocytes in heart failure. She was part of the first wave of a clinical trials attempting to find a gene therapy for heart failure using these data.

More recently, she led the British Heart Foundation Centre for Cardiac Regeneration at Imperial College London, with partners in Glasgow, Westminster, Hamburg, and Nottingham. The Centre aims to generate new cardiac muscle in damaged hearts, with strategies including engineered heart tissue from human pluripotent stem cells. These cells and constructs are also being used for disease modelling, with CRISPR/Cas9 gene editing to produce isogenic lines.

A continuing interest in the β AR system in failing human heart led to studies on subcellular compartmentation of the β_1 AR and β_2 AR and its alteration in disease. With Slava Nikolaev (Hamburg) and Julia Gorelik (Imperial) the spatial confinement of the β_2 AR -cAMP signal through phosphodiesterase localisation has been defined. The difference between apical and basal cardiomyocytes in the degree of compartmentation has recently been described. The ability of both beta-agonists such as adrenaline and some beta-blockers to drive the β_2 AR from G_s to G_i signalling was also discovered.

These findings gave Prof Harding insight into the mechanisms of Takotsubo syndrome or Stress Cardiomyopathy, in which acute severe heart failure follows a natural or iatrogenic catecholamine stimulus. In the Award lecture she described



the current understanding of this syndrome clinically and showed that the characteristic apical ballooning can be reproduced by a model where high adrenaline gives a switch from G_s to G_i coupling. She discussed recent findings for a sensitising role of two microRNAs for this syndrome, linking the effect to previous anxiety and stress disorders. Data from these experiments demonstrates how the microRNA changes interact with the compartmentation and differential expression of β_2 AR signalling pathway components to produce regional effects on the heart.

Dr. Harding is currently Emeritus Professor of Cardiac Pharmacology at the National Heart and Lung Institute, Imperial College, London, and Past-President of the European Section of the ISHR. She has been elected Fellow of the ISHR, the American Heart Association, European Society of Cardiology, British Society of Pharmacology and Society of Biology. She was on the Board of the British Society of Gene and Cell Therapy.

REPORT ON THE XXIX MEETING OF THE LATIN AMERICAN SECTION

(JUNE 1-3, 2023)

The 2023 ISHR-Latin American (ISHR-LAT) Section meeting was held at the Hotel Condor de los Andes, Mendoza City, Mendoza, Argentina, June 1-3, 2023, together with the XL National Congress of Cardiology of the Argentinian Federation of Cardiology (FAC). A total of 150 attendees (both local and international) participated in the meeting (Fig 1). The main scientific themes of the ISHR-LAT meeting were: Cardiac metabolism and bioenergetics, Heart Failure with reduced or preserved ejection fraction, Cardiac excitation-coupling, Membrane and tubule signaling, Stem cell-based therapies, Vascular dysfunction, and Cardiovascular precision medicine.

The scientific program included 3 plenary lectures. The opening lecture was given by Dr. Zoltan Arany (“Human Cardiac Metabolism in health and disease”), winner of the 2023 ISHR Research Achievement Award (Fig 2). The closing lecture was given by Dr. Antonio Campos de Carvalho (“Modeling cardiac disease using isogenic hiPSC-derived cardiomyocytes”). In addition, a mini lecture was delivered by Dr. Luciana Venturini Rossoni (“Vascular dysfunction in Heart Failure”). The program also included 4 symposia. One symposium was organized by the Early Career Investigator Committee (ECI) and the four talks were given by young researchers. This symposium was sponsored by an ECI initiative of ISHR-International (ISHR-Intl). One of the other three symposia was also sponsored by ISHR-Intl through the JMCC

Symposium program. At the beginning of this Symposium, Dr. Corrado Poggesi, Senior Editor of JMCC, presented a 3 min introduction on recent JMCC initiatives. In this Symposium (“Cardiac excitation-contraction (E-C) coupling in health and disease”), Dr. Héctor Valdivia, Dr. Rosana Bassani, Dr. Luis Gonano and Dr. Corrado Poggesi participated as speakers, and Dr. Corrado Poggesi and Dr. Alicia Mattiazzi as coordinators. The other two symposia were “Update to better understand the etiopathogenesis of heart failure with preserved ejection fraction (HFpEF) (Speakers: Dr. Mario Chiong, Dr. Gerardo García Rivas, Dr. Verónica De Giusti and Dr. Marilen Federico; Coordinators: Dr. Gustavo Pérez and Dr. Gerardo García Rivas) and “Cardiac membrane structure and signaling” (Speakers: Dr. Zully Pedrozo, Dr. Cecilia Zazueta, Dr. Celeste



Figure 2. Dr. Zoltan Arany receiving the 2023 Research Achievement Award of the International Society for Heart Research (ISHR) from Dr. Alejandro Aiello.

Villa-Abrille and Dr. Diego Varela; Coordinators: Dr. Martín Vila Petroff and Dr. Zully Pedrozo). Thus, this wonderful program included excellent scientists from USA, Italy, Mexico, Chile, Brazil and Argentina.

The program also included the presentation of approximately 50 posters in which students, fellows and young researchers presented and discussed their work. An evaluating committee selected the best 6 submitted abstracts, which were orally

(continued on page 14)



Figure 1. Meeting attendees

JMCC UPDATE

Don't miss our JMCC Featured Special Issues

SHR's Journal of Molecular and Cellular Cardiology publishes a series of special issues that showcase forefront research and state-of-the-art reviews, representing the best of cardiovascular science.

Read them all at <https://www.sciencedirect.com/journal/journal-of-molecular-and-cellular-cardiology/special-issues>

[Stem cells and their products for cardiac repair and regeneration](#)

Edited by Huang-Tian Yang, Bin Zhou, Li Qian

[Mechanisms of Heart Failure: Insights by the Next Generation of Cardiovascular Researchers](#)

Edited by Erik Blackwood, Evangelia (Litsa) Kranias, and Carmen (Kika) Sucharov-

[Cardiomyocyte proliferation and reprogramming for cardiac regeneration](#)

Edited by Huang-Tian Yang, Bin Zhou, Li Qian

[Cardio-Oncology: Novel Molecular Mechanisms and Innovative Approaches](#)

Edited by Aarti Asnani and Javid Moslehi

[Cell Death Programs in the Heart](#)

Edited by Richard N. Kitsis

[Computational Models of Cardiovascular Regulatory Mechanisms](#)

Edited by Andrew McCulloch, Ele Grandi, Jeffrey Saucerman

[An Engineers Guide To Unlocking The Secrets Of The Cardiac Microenvironment](#)

Edited by Jennifer Davis, Kristyn Masters

[Bioengineering for Cardiac Repair](#)

Edited by Jianyi Zhang, Wolfram-Hubertus Zimmermann

[Frontier in Vascular Research - the View from Chinese Scientists](#)

Edited by Yi Zhu, Yu Huang, Qingbo Xu

[Cutting Edge Technologies in Cardiovascular Research](#)

Edited by Rebekah Gundry and Kenneth Boheler



CALL FOR PAPERS FOR *JMCC PLUS*



SHR's new fully open access journal, JMCC Plus, welcomes contributions to the following special issues. Learn more and submit at <https://www.sciencedirect.com/journal/journal-of-molecular-and-cellular-cardiology-plus>.

All publication fees are waived through March 2024.

Structural and Electrical Remodelling in HFpEF: What is actually preserved?

Guest editor: Daniel Johnson

Structural and electrical remodelling is a hallmark of myocytes from patients and animal models with HF with reduced ejection fraction (HFpEF). However, amongst patients who are diagnosed with heart failure (HF), it is reported that up to 40 to 50% may actually have heart failure with preserved ejection fraction (HFpEF) with sudden death being the most common cause of mortality in this population. Up until now little is known about structural and electrical remodelling as a result of HFpEF and an increased knowledge in this area should lead to improved treatment and potentially novel targets for drugs used in these patients. Articles related to these topics will be welcome for this special edition.

Electrical and optical mapping technologies for cardiovascular research

*Guest editors: Martin Bishop and
Christopher O'Shea*

Mapping of cardiac electrophysiology has proved pivotal in advancing our understanding and clinical treatment of cardiac diseases. Clinically used mapping systems continue to advance in spatial resolution and overall capabilities, while pre-clinical techniques such as optical mapping have benefited from advances in camera technology, 3D printing and other areas. Despite this progress, there are several unmet challenges both in our understanding of cardiac diseases such as arrhythmia and the application of these mapping techniques. Articles that look to address these challenges will be welcome for this special issue.

RICHARD L MOSS, PH.D.

2018 RECIPIENT OF THE ISHR DISTINGUISHED LEADER AWARD

(2018: HALIFAX, NOVA SCOTIA)

Dr. Richard Moss is emeritus professor in the Department of Cell and Regenerative Biology and until 2021 served as Senior Associate Dean for Research in the School of Medicine and Public Health at the University of Wisconsin. He received his Ph.D. in Physiology and Biophysics from the University of Vermont in 1975, followed by postdoctoral studies with Dr. Fred Julian at the Boston Biomedical Research Institute. In 1979, Dr. Moss was appointed Assistant Professor of Physiology at the University of Wisconsin, where he then served as Chair of Department from 1988 to 2009. During this time, he led the founding of the UW Cardiovascular Research Center and the MS in Biotechnology degree program. Dr. Moss was recipient of an AHA Established Investigator Award, an NHLBI Merit Award, and an honorary Doctor of Medicine degree from Uppsala University.

Dr. Moss is a Fellow of both the ISHR and the AHA and is presently a member of the editorial board of the *Journal of Molecular and Cellular Cardiology* and the *Journal of General Physiology*. He has served as a member of the NIH Physiology Study Section, special emphasis panels at NIH, and several AHA review committees. Dr. Moss was previously a member of the AHA Research Program and Evaluation Committee, the AHA Peer Review Committee, and the Executive Council of the Biophysical Society. He organized the 2002 Annual Meeting of the ISHR North American Section held in Madison, WI and subsequently served as President of the North American Section

(2006-2009). Dr. Moss served on the ISHR-International Council from 2003 to 2016 and was Secretary General from 2010 to 2016. He is currently a member of the ISHR Nominating Committee.

As President of the North American Section, Dr. Moss led the introduction of “Interest Areas” as a means for identifying and organizing the principal themes of the section and its meetings. This has continued at the international level as “Theme Topics” for the planning of World Congress programs. During his tenure, the NAS Council decided to hold the North American Section meeting in Congress years in conjunction with and at the site of the World Congress, in support of the ISHR International. The first of these meetings was held during the World Congress in Bologna.

As Secretary General, Dr. Moss was an advocate for holding the triannual World Congress in Buenos Aires (2016) and in Beijing (2019), thereby expanding the reach and impact of the society internationally and energizing those ISHR sections. He also initiated the practice of the Secretary General being more deeply involved in organizing the scientific program as chair of the Scientific Organizing Committee and assisting in developing the business plans for World Congresses in San Diego (2010) and Buenos Aires, and in early stages of planning for the Beijing meeting. These initiatives were undertaken in the interest of scientific continuity from one world congress to the next and to promote the success of each



congress both scientifically and fiscally.

Dr. Moss's research focuses on the roles of myofibrillar accessory and regulatory proteins as modulators of myocardial contraction in health and in acquired and heritable diseases such as heart failure and hypertrophic cardiomyopathies. He has co-authored more than 190 papers and has supervised over 20 graduate students and post-doctoral fellows who now hold positions in academic medical centers and research institutions around the world. By chemically extracting proteins from permeabilized myocardium, Dr. Moss and his collaborators showed that thick filament proteins such as regulatory light chain and myosin binding protein C modulate the extent and rate of force development. Using knock-out, knock-in and transgenic approaches, they further showed that PKA phosphorylation of MyBP-C is principally responsible for the acceleration of myofibrillar contraction kinetics due to β -adrenergic stimulation. A current theme is that regulation of contraction via Ca^{2+} binding to troponin or the phosphorylation of accessory proteins such as MyBP-C involves modulation of positive cooperativity in the binding of cross-bridges to actin. Dr. Moss's ongoing work focuses on mechanisms of contractile dysfunction in hypertrophic cardiomyopathies due to mutations in MyBP-C.

REPORT ON THE XXXIX MEETING OF THE ISHR-JAPANESE SECTION

(DECEMBER 16-17, 2022)

The 39th annual meeting of the ISHR-Japanese Section (ISHR-JPN) was held jointly with The 6th JCS Council Forum on Basic Cardiovascular Research (BCVR) and The 30th Japanese Vascular Biology and Medicine Organization (JVBMO). These three conferences are collectively called the Cardiovascular Metabolic Week (CVMW). The CVMW was held for two days from December 16th (Friday) to 17th (Saturday), 2022. The venue was Station Conference Tokyo.

The President of the 39th ISHR-Japanese Section meeting was Michihiro Yoshimura (Jikei Univ.). He was joined in hosting the CVMW conference by BCVR President, Ichiro Shiojima (Kansai Med. Univ.), and JVBMO President, Masayuki Yoshida (TMDU).

The theme of CVMW was “Enjoy Your Science and Empower Cardiovascular Medicine” with the intention that researchers will enjoy their research even during the COVID-19 crisis. Although the CVMW was held during the COVID-19 epidemic, the event was mainly attended in-person by local participants. Some presenters participated virtually. After the end of the conference, the recorded conference content was available on-demand.

Two special plenary lectures were presented at CVMW. Special Lecture 1 by Thomas N. Sato (The Thomas N. Sato BioMEC-X Laboratories, ATR) on “Precision Human Digital-Twins System” and Special Lecture 2 by David A. Kass (Division of Cardiology, Johns Hopkins University School of Medicine) on: “Redefining the Pathobiology of Heart Failure with Preserved Ejection Fraction”.

The theme of CVMW joint symposium 1 was “Pulmonary hypertension and its underlying pathology”. The session was chaired by Yoshikazu Nakaoka (NCVC) and Norihiko Takeda (Jichi Univ.). Speakers included Norihiko Takeda (Jichi Univ.), Koji Ikeda (Kyoto Pref. Univ.), Takayuki Fujiwara (Tokyo Univ.), and Tomohiko Ishibashi (NCVC).



Presidents of CVMW 2022: (from left) Prof. Michihiro Yoshimura (ISHR), Prof. Ichiro Shiojima (BCVR), and Prof. Masayuki Yoshida (JVBMO).

The theme of the second CVMW joint symposium was “Energy Metabolism in Cardiovascular Diseases”, chaired by Satoaki Matoba (Kyoto Pref. Univ.) and Tomohisa Nagoshi (Jikei Univ.). The Keynote Lecture was given by Satoaki Matoba (Kyoto Pref. Univ.). Other Speakers included Motoaki Sano (Keio Univ.), Yasuhiro Izumiya (Osaka Metro. Univ.), Tomomi Ide (Kyushu Univ.), and Rei Shibata (Nagoya Univ.). The theme of the third joint symposium was “Next Generation Cardiovascular Research Using AI, Simulation, and Imaging.” This symposium was chaired by Hiroki Kurihara (Tokyo Univ.) and Masayuki Yoshida (TMDU); Speakers included Dai Kusumoto (Keio Univ.), Keita Saku (NCVC), Koichi Nishiyama (Miyazaki Univ.), and Yosuke Hasegawa (Tokyo Univ.).



Members of the Jikei University School of Medicine

The ISHR-Japanese Section hosted two symposia at the conference. The first ISHR symposium, “Translational Cardiology—from Bench to Bedside—” was chaired by Seitaro Nomura (Tokyo Univ.) and Hidetaka Kioka (Osaka Univ.) (on behalf of Shugo Toyama



ISHR-JPN President: Michihiro Yoshimura (Left), BCVR President: Ichiro Shiojima (Center), JVBMO President: Masayuki Yoshida (Right)

[Keio Univ.). Kenji Onoue (Nara Med. Univ.), Tomohisa Nagoshi (Jikei Univ.), Shouji Matsushima (Kyushu Univ.), and Hidetaka Kioka (Osaka Univ.) were Speakers. The theme of the second ISHR symposium was “ISHR U45 Rising Star Session”. This session was chaired by Wataru Kimura (RIKEN) and Jin Endo (Keio Univ.), with Speakers Norika Liu (Jikei Univ.), Hiroya Hayashi (Osaka Metropolitan Univ.), Yukihiro Saito (Okayama Univ.), Tomoya Kitani (Kyoto Pref. Univ.), Yoshiro Tanaka (Jikei Univ.), and Atsuko Okazaki (Juntendo Univ.).

Three CVMW joint luncheon seminars were held. The first Lunch Seminar was chaired by Michihiro Yoshimura (Jikei Univ.) and Yoshihiko Saito (Nara Pref. West. Med. Center) spoke on on “ARNI Update – New Normal for Heart Failure Treatment”. The second was chaired by

Toru Minamino (Juntendo Univ.) with Kei Fukamizu (Kurume Univ) speaking on “Transition and Future of Treatment for CKD with Type 2 Diabetes”. The third Lunch Seminar was chaired by Kenichi Hongo (Jikei Univ.). Natsuko Inagaki (Tokyo Med. Univ.) spoke on “Fabry disease as seen by cardiologists”.

To end the day there were three CVMW joint evening seminars (ES). The first, chaired by Tomohisa Nagoshi (Jikei Univ.), featured Speaker Minako Tojyo (Kitasato Univ.) speaking on “Expected effects of FXa inhibitors”. ES2 was chaired by Ichiro Shiojima (Kansai Med. Univ.) with Tsuyoshi Shiga (Jikei Univ.) discussing the “Role of SGLT2 inhibitors in chronic heart failure treatment”. The third ES was chaired by Koichiro Kuwahara (Shinshu Univ.). Tappei Takada (Tokyo Univ.) presented his talk

titled “Uric acid transporter and drug treatment of hyperuricemia and gout”.

Congratulations to the winners of the Young Investigators Award: Ko Abe (Kyushu Univ.) [First-place], Yusuke Tomita (Fukushima Med. Univ.), and Hiroyasu Inui (Osaka Univ.)

Although the conference was held in the midst of the ongoing spread of COVID-19, we were able to attract a large number of participants. We would like to thank the staff of the three academic societies for their help in holding this successful conference.

Tomohisa Nagoshi
Secretary General of the 39th Annual Meeting of the ISHR-Japanese Section

Michihiro Yoshimura
President of the 39th Annual Meeting of the ISHR-Japanese Section
Division of Cardiology, Department of Internal Medicine, The Jikei University School of Medicine



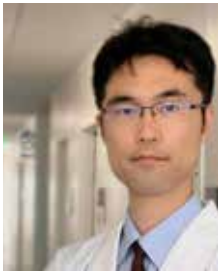
Prof. Yoshihiko Saito (President of ISHR-International) announced the upcoming ISHR World Congress 2025 which will be held in Nara, Japan (May 11-14, 2025).

ISHR MID-CAREER INVESTIGATOR UPDATE

Introduction of Mid-Career Investigator (MCI) Committee members.

Two representatives were selected from each of 7 ISHR Sections to form the Mid-Career Investigator (MCI) Committee. With the voting of MCI members, 2 Chairs and 2 Co-Chairs were selected. We would like to contribute to enhancing our mutual understanding and collaboration among the sections and get together at ISHR 2025 NARA XXV World Congress (<https://www.ishr2025nara.jp>).

Chairs of MCI



Ippei Shimizu (JPN)



Nicole H. Purcell (NAS)

Co-Chairs of MCI



Susmita Sahoo (NAS)



Delphine Mika (ES)

Representatives of each section



Doan Ngo (AUS)



Jeff Erickson (AUS)



Han Xiao (CHI)



Xue-yan Jiang (CHI)



Luis Alberto Gonano (LAT)



Marcela Sorelli (LAT)



Seitaro Nomura (JPN)



Diederik Kuster (EUR)



**Ramakrishnan
Sivasubramanianarah (IND)**



Nahar Saikia Uma (IND)

Latin American (continued from page 6)



ISHR-LAT Officers: From left to right Verónica De Giusti (Treasurer), Alejandro Aiello (President), Carolina Jaquenod De Giusti (ECI) and María Celeste Villa Abrille (Secretary).



ECI symposium From left to right: Maite Zavala (University of La Plata), Ayelén Emilse López (Favaloro University), Rayen De Fazio (University of La Plata), Felipe de Jesús Salazar Ramírez (The Institute for Obesity Research. Tecnológico de Monterrey).

presented and defended in “The Basic-Translational FAC-ISHR Lat Award” session. The winner was Aimee Obolari Durço (“D-Limonene / hydroxypropyl- β -cyclodextrin inclusion complex prevents arrhythmia, apoptosis, and oxidative stress in doxorubicin-induced cardiotoxicity in mice”) from Brazil.

The annual ISHR-LAT meeting also included two social activities. The ECI members shared a casual dinner in “La

fuerza Mendoza”, with the participation of 28 ECIs from Chile, Brazil, Argentina, Mexico and USA. Similarly, the symposium speakers and chairs shared a spectacular and warm dinner at “El Faro Bistro, Mendoza” located in the terrace of Premium-Tower-suites (<http://premium-tower-suites.mendoza-hotels.com/es/>), where they enjoyed a beautiful view of the Mendoza City skyline at night and tasted typical Argentinean food and enjoyed the fantastic local wines.

Overall, the 2023 ISHR-LAT Meeting was once again a friendly occasion to share good science and nice moments, reinforcing the conclusion that we belong to a big ISHR family.

Maria Celeste Villa Abrille
Centro de Investigaciones
Cardiovasculares - CONICET
La Plata, Argentina



ECI Social event

Chinese Section *(continued from page 3)*

encompassed a wide range of topics, including monogenic diagnosis, and interdisciplinary convergence of medical engineering, to exercise-based protection against cardiovascular disease.

Another highlight of this congress was the emphasis on promoting the participation of young scientists. Ten speakers were selected to present in two sessions dedicated to assistant professors, associate professors and full professors under the age of 45, who are poised to become the driving force of scientific research in China in the coming decades.

Closing Ceremony

The closing ceremony of the joint conference, hosted by Vice President of ISHR-CHI, Prof. XU Ming, was held after the research sessions. Hundreds of online attendees, keynote and specialized report participants, young investigators and students benefited from this conference. Prof. XU Ming successfully concluded our meeting in Suzhou, encouraged more participation and contributions from Chinese cardiovascular researchers and invited us to look forward to the next ISHR World Congress in Nara in 2025.

**CHEN Xuerui and XIAO Junjie, Shanghai University,
ISHR Chinese Section**



Meeting delegates online.

CALENDAR

- **December 9-10, 2023.** XL Annual Meeting of the Japanese Section. Kobe, Japan.
Inquiries: Koichi Node, node@cc.saga-u.ac.jp
- **February 16-18, 2024.** Annual Meeting of the ISHR-Indian Section. Jodhpur, India.
Inquiries: Surender Deora, ishrjodhpur2024@gmail.com
- **June 11-14, 2024.** XXXVIII Annual Meeting of the European Section. Toulouse, France.
Inquiries: Frank Lezoual'ch, frank.lezoualch@inserm.fr
- **August 1-4, 2024.** XLVIII Annual Meeting of the Australasian Section (held jointly with the Cardiac Society of Australia and New Zealand). Perth, Western Australia.
Inquiries: Fadi Charchar, f.charchar@federation.edu.au
- **August 18-23, 2024.** XLIII Annual Meeting of the ISHR-North American Section. Long Beach, CA.
Inquiries: Peipei Ping, ppingucla@gmail.com
- **December 7-8, 2024.** XLI Annual Meeting of the Japanese Section. Tokyo, Japan.
Inquiries: Japanese Secretariat, e_ohno@m-qol.co.jp



JMCC Plus

Fully open access
companion journal to JMCC

Publishing:

- mechanistic research
- rigorously tested negative results
- replication studies
- datasets from functional or multi-omics studies.

Current Calls for Papers on:

- Reproducibility and Reporting of Negative Results in Cardiovascular Research
- Electrical and optical mapping technologies for cardiovascular research
- Structural and Electrical Remodelling in HFpEF : What is actually preserved?

HEART NEWS AND VIEWS

is the official News Bulletin of the International Society for Heart Research and is published every fourth month.

Editor

L. Anderson Lobaugh
Durham, NC, USA
E-mail llobaugh@nc.rr.com

Founding Editor

T.J.C. Ruigrok
Wijk bij Duurstede, The Netherlands
E-mail t.j.c.ruigrok@xs4all.nl

Editorial Board

R.A. Altschuld
Columbus, OH, USA

M. Avkiran
London, UK
Past-President

R. Bolli
Louisville, KY, USA

T. Izumi
Kanagawa, Japan
Japanese Section

B. Bernardo
Melbourne, Australia
Australasian Section

X.Y. Li
Beijing, China
Chinese Section

A. Mattiazzi
La Plata, Argentina
Latin American Section

B. McDermott
Belfast, UK
European Section

E. Murphy
Bethesda, MD, USA
President

T. Ravingerova
Bratislava, Slovak Republic

A.-M.L. Seymour
Hull, UK

N. Takeda
Tokyo, Japan

K.K. Talwar
Chandigarh, India
Indian Section

D. Eisner
Manchester, UK

B.J. Ward
London, UK

K.T. Weber
Memphis, TN, USA

Editorial Office

3711 Lochn'ora Parkway
Durham, NC 27705
USA.
Phone/Fax: +1 919 493 4418