



18th-20th October 2023
Palazzo Sersanti, Imola



XXIV CONGRESS OF THE ITALIAN SOCIETY OF CARDIOVASCULAR RESEARCH



PALAZZO SERSANTI

Piazza Giacomo Matteotti, 8, 40026 Imola BO



SCIENTIFIC COMMITTEE

Vincenzo Lionetti

(President of the Congress)

Teresa Pasqua

(Secretary of the Congress)

Andrea Gerbino

Alessandra Ghigo

Annunziatina Laurino

Francesco Lodola

Rosalinda Madonna

Michele Miragoli

Astrid Parenti

Claudia Penna

Carmine Rocca

Michele Samaja

Daniela Sorriento

Pietro Ameri

Tommaso Angelone

Lucio Barile

Sveva Bollini

Francesco Moccia

Pasquale Pagliaro

Stefano Tarantini

Carlo Gabriele Tocchetti

Serena Zacchigna

SIRC BOARD OF DIRECTORS

Vincenzo Lionetti - President

Claudia Penna – Vice-President

Andrea Gerbino – Secretary

Annunziatina Laurino - Treasurer

Tommaso Angelone – Past-President

Alessandra Ghigo - Councillor

Francesco Lodola - Councillor

Rosalinda Madonna - Councillor

Michele Miragoli - Councillor

Carmine Rocca - Councillor

Michele Samaja – Delegate for Relations with Patients Associations

Daniela Sorriento – Councillor

SIRC HONORARY PRESIDENT

Germano Di Sciascio

BOARD OF ARBITRATORS

Maria Carmela Cerra

Francesco Moccia

Astrid Parenti

BOARD OF AUDITORS

Monica Carmosino

Elena Guzzolino

Teresa Pasqua

FACULTY

- Pietro Ameri
Tommaso Angelone
Franca Barbic
Lucio Barile
Antonio Paolo Beltrami
Sveva Bollini
Vincenzo Calderone
Giovanni Camici
Roberto Caminiti
Monica Carmosino
Barbara Casadei
Valeria Chiono
Raffaele De Caterina
Sanjiv Dhingra
Francesco Fedele
Andrea Gerbino
Alessandra Ghigo
Giuliano Grignaschi
Elena Guzzolino
Annunziatina Laurino
Vincenzo Lionetti
Giovanni Li Volti
Francesco Lodola
Rosalinda Madonna
Michele Masetti
Massimo Menetti
Michele Miragoli
Francesco Moccia
Lucia Mordinielli
Paolo Ortolani
Elena Osto
Pasquale Pagliaro
Astrid Parenti
Teresa Pasqua
Giovanna Maria Pelà
Claudia Penna
Maurizio Pesce
Grant Pierce
Fabio A. Recchia
Giuseppe Ristagno
Carmine Rocca
Michele Samaja
Daniela Sorriento
Stefano Tarantini
Gaetano Thiene
Carlo Gabriele Tocchetti
Balwant S Tuana
Zoltan Ungvari
Christian Vergara
Serena Zacchigna

Messaggio di benvenuto del Presidente

Care/i Colleghe/i,

Il Congresso della Società Italiana di Ricerche Cardiovascolari (SIRC) rappresenta l'evento biennale di riferimento per tutte le cardioscienze del nostro Paese.

Questa edizione riveste un'importanza particolare poiché la SIRC festeggia il suo trentesimo anniversario. Nel lontano 1993, il prof. Claudio Marcello Caldarera, già docente di biochimica dell'Università di Bologna, ebbe l'intuizione di fondare la SIRC come luogo d'incontro e confronto per le eccellenze scientifiche italiane operanti in tutto il mondo nel campo delle ricerche cardiovascolari. Non a caso volle che Imola, la città natale di Antonio Maria Valsalva, insigne medico, anatomico e chirurgo noto per il suo rigoroso metodo scientifico, di cui ricorre quest'anno il trecentesimo anniversario della morte, ospitasse il Congresso. Imola, città Medaglia d'Oro al Valore Militare, alla cui popolazione, duramente colpita dall'alluvione, la SIRC resta vicino sin dalla prima ora.

Oggi, la SIRC è cresciuta e si è rinnovata grazie all'eccellente lavoro di chi ci ha preceduto, continuando ad attrarre le menti più brillanti provenienti da diverse discipline scientifiche. Nonostante l'instabilità del presente e l'incertezza del futuro, i cardioscienziati italiani si dedicano instancabilmente con grande passione ed entusiasmo alle attività sperimentali, senza distogliere lo sguardo da chi soffre a causa delle malattie cardiovascolari, acute e croniche, e merita risposte tanto efficaci quanto adeguate.

Pertanto, insieme al Consiglio Direttivo e ai membri del Comitato Scientifico, è stato ideato un Congresso ispirato all'obiettivo di sviluppo sostenibile n.3 dell'Agenda 2030 delle Nazioni Unite, ovvero "Buona Salute e Benessere". L'obiettivo è di voler mettere la SIRC nelle condizioni di rispondere alle nuove sfide bio-mediche di un mondo profondamente cambiato dopo la pandemia.

In questa edizione, proponiamo un programma di alto valore scientifico, articolato in otto macroaree, per discutere di come l'invecchiamento, le differenze di genere, l'intelligenza artificiale, gli stili di vita, i cambiamenti climatici, i fattori ambientali e il COVID19 stanno definendo nuovi obiettivi della ricerca di base e applicata cardiovascolare e le loro prospettive cliniche, sempre più personalizzate e di precisione. Parleremo anche di integrità ed etica della ricerca animale.

A chi spesso guarda con sufficienza al nostro lavoro, mettendo in discussione i metodi utilizzati dai ricercatori, sebbene nel rispetto dell'etica e della legge, ricordo che dietro la porta di ogni laboratorio si trovano le lacrime, le speranze e le preghiere di file interminabili di persone sofferenti che, insieme ai loro familiari, aspettano una soluzione con trepidazione. È a queste persone che dobbiamo rendere conto, ricordandoci che non esiste la distinzione tra grandi e piccole scoperte. Ogni passo avanti nella conoscenza è sempre un traguardo importante per la salute e il benessere dell'umanità.

Continuiamo a spalancare le porte della SIRC al dialogo con le scuole, le università e i centri di ricerca che formano le generazioni del futuro, con le altre Società Scientifiche così da essere più efficaci, con il Sistema Sanitario e le Associazioni dei pazienti, e con il mondo dell'industria biomedica, che implementa l'innovazione tecnologica producendo soluzioni utili a migliorare la pratica sperimentale in modo sostenibile.

In un mondo sempre più interconnesso, il Congresso del trentennale della SIRC avrà al suo fianco sei partner di eccezione: il Comune della Città di Imola, la Fondazione Cassa di Risparmio di Imola, che da sempre sostiene e valorizza il talento dei giovani cardioscienziati italiani, anche attraverso l'ambito Premio "Antonio Maria Valsalva", l'Istituto Nazionale per le Ricerche Cardiovascolari, che dal 1996 favorisce collaborazioni tra università ed enti di ricerca ed industrie, nelle attività scientifiche nel campo cardiovascolare, la Fondazione Italiana per il Cuore, membro attivo della World Heart Federation e dello European Heart Network, che dal 1990 promuove la prevenzione cardiovascolare, la International Academy of Cardiovascular Sciences che dal 1996 promuove la formazione e la ricerca cardiovascolare in tutto il mondo, e la prestigiosa rivista scientifica internazionale Vascular Pharmacology (IF 4), che si impegna da anni nella divulgazione degli abstract presentati in anteprima al Congresso.

I risultati delle discussioni scientifiche e tecniche offriranno alla SIRC importanti spunti di riflessione per continuare a individuare nuovi orizzonti delle scienze cardiovascolari da condividere con le Istituzioni, al fine di migliorare la salute e il benessere di ognuno di noi attraverso una ricerca cardiovascolare responsabile e al passo con i tempi.

Porgo a tutti i partecipanti ed ai relatori il mio saluto e che il Congresso sia profittevole di prospici risultati.

E di nuovo, buon compleanno SIRC, e benvenuti a Imola!

Vincenzo Lionetti, Presidente



President's Welcome Message

Dear Colleague(s),

The Congress of the Italian Society of Cardiovascular Research (SIRC) represents the biennial reference event for all cardiovascular sciences in our country. This edition holds special importance as SIRC celebrates its thirtieth anniversary. Back in 1993, Professor Claudio Marcello Calderara, already a professor of biochemistry at the University of Bologna, had the intuition to establish SIRC as a meeting and discussion platform for Italian scientific excellences operating worldwide in the field of cardiovascular research. To host the Congress, he chose Imola, the hometown of Antonio Maria Valsalva, a distinguished physician, anatomist and surgeon known for his rigorous scientific method, whose 300th death anniversary falls this year. Imola, a city with a Gold Medal for Military Valor, to whose people, hard hit by the flood, SIRC remains close from the first hour. Today, SIRC has grown and revitalized thanks to the excellent work of those who came before us, continually attracting the brightest minds from different scientific fields. Despite the instability of the present and the uncertainty of the future, Italian cardioscientists tirelessly devote themselves with great passion and enthusiasm to experimental activities, never losing sight of those who suffer from acute and chronic cardiovascular diseases and deserve responses as effective as they are adequate.

Therefore, together with the Board of Directors and the members of the Scientific Committee, we have designed a Congress inspired by United Nations Sustainable Development Goal 3, "Good Health and Well-being" of the 2030 Agenda. The aim is to position SIRC to meet the new biomedical challenges of a world profoundly changed after the pandemic.

In this edition, we propose a program of high scientific value, structured into eight macro-areas, to discuss how aging, gender differences, artificial intelligence, lifestyles, climate change, environmental factors, and COVID19 are defining new objectives of basic and applied cardiovascular research and their increasingly personalized and precise clinical perspectives. We will also address the integrity and ethics of animal research. To those who often look down on our work, questioning the methods used by researchers, while respecting ethics and the law, I recall that behind the doors of every laboratory lie the tears, hopes and prayers of endless lines of suffering people who, along with their families, anxiously await a solution.

It is to these individuals that we must be accountable, remembering that there is no distinction between great and small discoveries. Each step forward in knowledge is always an important milestone for the health and well-being of humanity.

Let us continue to open the doors of SIRC to dialogue with schools, universities, and research centers shaping the generations of the future, with other Scientific Societies to enhance effectiveness, with the Healthcare System and patient associations, and with the world of biomedical industry, which implements technological innovations to improve experimental practices sustainably.

In an increasingly interconnected world, the 30th Congress of SIRC will have six exceptional partners by its side: the Municipality of the City of Imola, the Cassa di Risparmio Foundation of Imola, which has always supported and promoted the talent of young Italian cardiovascular scientists, including through the prestigious "Antonio Maria Valsalva" Prize, the National Institute for Cardiovascular Research, which since 1996 has been fostering collaborations between universities, research institutions, and industries in cardiovascular scientific activities, the Italian Foundation for the Heart, an active member of the World Heart Federation and the European Heart Network, which has been promoting cardiovascular prevention since 1990, the International Academy of Cardiovascular Sciences, which has been advancing cardiovascular education and research worldwide since 1996, and the prestigious international scientific journal *Vascular Pharmacology* (IF 4), which has been dedicated for years to the dissemination of abstracts presented in advance at the Congress.

The outcomes of the scientific and technical discussions will provide SIRC with significant insights to continue identifying new horizons in cardiovascular sciences to be shared with institutions, with the ultimate goal of improving the health and well-being of each of us through responsible and up-to-date cardiovascular research.

I extend my greetings to all participants and speakers, and I hope that the congress will be fruitful in yielding prosperous results.

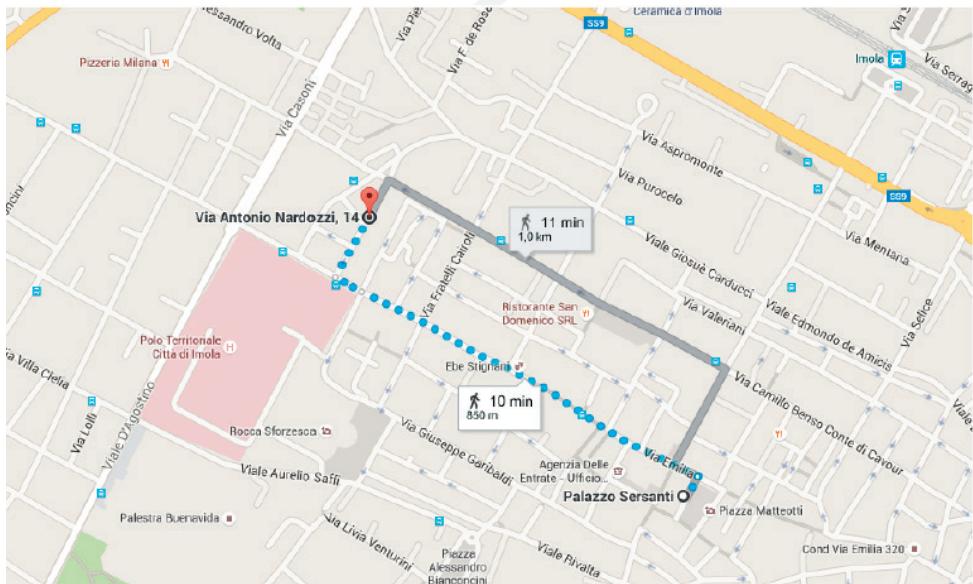
Once again, happy birthday SIRC, and welcome to Imola!

Vincenzo Lionetti, President

IMOLA



Facilities and Local information



SIRC Congress 2023

Palazzo Sersanti, 1st floor, Piazza Giacomo Matteotti 8, Imola (BO)
located 800 meters (10 minutes walking distance) from the Imola railway
station (Piazzale Anselmo Marabini).

Parcheggio

Piazza Giacomo Matteotti is located in a pedestrian and limited traffic area.

Parking area:

- Parcheggio Ragazzi del '99, Piazzale Ragazzi del '99
(6 min walking distance)
- Parcheggio Guerrazzi, Viale Francesco Domenico Guerrazzi
(7 min walking distance)
- Parcheggio Palestra Cavina, Via G. B. Zappi, 116
(9 min walking distance)
- Parcheggio Ortomercato, Via G. B. Zappi
(10 min walking distance)



Organizational Secretariat

The Organizational Secretariat (Summeet) is available to participants at Palazzo Sersanti starting from 12.00 on Wednesday 18 October and for the entire duration of the Congress.

The following services are provided:

- New registrations
- Pre-registered registration
- Speakers and Moderators
- Transportation and hotel information
- Lost & Found items
- Wi-Fi network information

Scientific Secretariat

The SIRC Scientific Secretariat will be present at the conference venue for the entire duration of the Congress.

SIRC Members Secretariat

The SIRC Members' Secretariat will be present at the conference venue for the entire duration of the Congress to give SIRC Members the opportunity to regularize their social position and collect the coupon for participation in the Plenary Assembly of SIRC Members and Social Dinner.

Registration fees (excluding VAT)

The registration fee includes:

- participation in the scientific works of the Congress;
- the conference folder;
- scientific program
- buffet business breakfasts;

Participation in the Social Dinner is not included in the registration fee and requires the payment of an additional fee of 55 euros by 10 October 2023.

Before/After October 1st

Regular member registration 100/180 euro

Regular non-member registration 300/350 euro

Member PhD student 40/50 euro

Non-member PhD student 120/150 euro

One day registration

Regular member/non-member 150 euro

PhD student 60 euro

* A Certificate must be send together to the Bank transfer receipt at segreteriasirc@sirc-cardio.it.

SIRC Members: provided that they are up to date with the payment of membership fees starting from 2022 or starting from the membership fee of their registration date if subsequent to 2022.

Free participation (Graduating university students only*).

* The certificate certifying the status of student is required.

At least one of the authors of the accepted communications (such as oral or poster presentations) must be registered at the Congress.

If all the Authors benefit in various ways from free registration, at least one of them is required to sign up for the Congress.

Terms of payment

Payment in euros made out to the Italian Society of Cardiovascular Research can be made via:

- bank transfer - IBAN: IT79Z0306909606100000174834

For transfers from non-EU countries, the BIC/SWIFT code 'BCITITMM' must be added.

The payment receipt must be sent to the Secretary of the SIRC, Dr. Andrea Gerbino, at the following address: andrea.gerbino@uniba.it

Registration for the Congress can also be paid in cash at the Desk. A receipt will be issued for each registration; it is therefore necessary to indicate the Tax Code.

Cancellation and Refund

To cancel a registration you need to send an e-mail, justifying it, to the following e-mail address: andrea.gerbino@uniba.it

- Cancellation requests received by October 8, 2023 will be refunded 50%.
- Cancellation requests received after October 8, 2023 will not be refunded.

Official language

The official language is English. Simultaneous translations into other languages will not be performed. All selected abstracts will be published in Vascular Pharmacology (<https://www.sciencedirect.com/journal/vascular-pharmacology>)

Safety Procedure

Access to the main conference room and access to view the posters will only be possible for those who show a valid identification badge following regular registration.

Wardrobe

Left luggage and cloakroom facilities are located in congress entrance. Access is only during conference hours. The cloakroom is not guarded.

THE EIGHT MACRO-AREAS OF THE CONGRESS





18 October 2023

13.30-14.00 OPENING CEREMONY & WELCOME MESSAGES

Vincenzo Lionetti, SIRC President

Stefano Bonaccini, President of Emilia-Romagna

Marco Panieri, Mayor of Imola

Rodolfo Ortolani, CRIMOLA Foundation President

Rossi Andrea, Direttore Generale della AUSL di Imola

30TH ANNIVERSARY LECTIO

Chair: Vincenzo Lionetti, Scuola Superiore Sant'Anna, Pisa, Italy

Claudia Penna, University of Turin, Orbassano, Italy

14.05-14.35 Barbara Casadei, University of Oxford, UK

“Fortune Sides with Those Who Dare”

14.40-16.00 COVID-19

Chairs: Paolo Ortolani, UO Cardiology, S.Maria della Scaletta Hospital, Italy, Daniela Sorriento, University of Naples Federico II, Italy



14.40-15.05 Maurizio Pesce, IRCCS - Centro Cardiologico Monzino, Milan, Italy

“SARS-CoV-2, Spike and coagulation. Expected and unexpected threats to cardiac health at the time of COVID-19”

15.05-15.20 Jessica Gambardella, University of Naples Federico II, Italy and Albert Einstein College of Medicine, New York City, USA

“COVID-19 Causes the Opening of the Mitochondrial Permeability Transition Pore in Human Endothelial Cells”

15.20-15.35 Domenico Tuttolomondo, University Hospital of Parma, Italy

“Coronary inflammation on chest computed tomography and COVID-19 mortality”

MEET THE EXPERT

Chair: Pasquale Pagliaro, University of Turin, Orbassano, Italy

15.40-16.15 Fabio A. Recchia, Scuola Superiore Sant'Anna and Institute of Clinical Physiology-National Council of Research, Pisa, Italy

“MicroRNAs Delivery to Repair the Infarcted Heart”

16.15-16.30 Coffee break

SIRC-INRC JOINT LECTURE

Chair: Annunziatina Laurino, University of Siena, Italy

- 16.30-16.55** Francesco Fedele, President of the National Institute of Cardiovascular Researches (INRC)

“Heart failure with preserved EF: a challenge and opportunity for Cardiovascular Research”

17.00-18.20 INTEGRITY AND ETHIC IN ANIMAL RESEARCH

Chair: Francesco Lodola, University of Milano-Bicocca, Italy
Michele Samaja, University of Milan, Italy



- 17.00-17.25** Giuliano Grignaschi, University of Milan, Italy

“EU Directive 63/2010: the best compromise between ethics and research needs”

- 17.25-17.50** Roberto Caminiti, Sapienza University, Rome, Italy

“Transparency in (animal) research and its costs”

- 17.50-18.05** Martina Rabino, Centro Cardiologico Monzino IRCCS, Milan, Italy

“Impaired Endothelial Function in Duchenne Muscular Dystrophy-associated Cardiomyopathy: Insights from hiPSC-derived Endothelial Cells”

- 18.05-18.20** Margherita Burattini, University of Verona, Italy

“MELAS Syndrome: Insights into Cardiac Mechanics”

SIRC-IACS JOINT LECTURE

Chair: Vincenzo Lionetti, Scuola Superiore Sant’Anna, Pisa, Italy

- 18.25-18.55** Grant Pierce, President of the International Academy of Cardiovascular Sciences (IACS)

“Using dietary flaxseed to treat cardiovascular disease in humans and animal models”

19.00-21.00 WELCOME COCKTAIL AND POSTER SESSION

Chair: Lucio Barile, Università della Svizzera Italiana, Bellinzona, Switzerland
and Elena Guzzolino, Meyer Children’s Hospital, Florence, Italy

19 October 2023

08.30-09.50 FROM NUTRACEUTICS TO RISTOCEUTICS

*Chair: Carmine Rocca, University of Calabria, Arcavacata, Italy
Astrid Parenti, University of Florence, Italy*



08.30-08.45 Antonella Fiordelisi, Federico II University of Naples, Italy

“L-Arginine supplementation as mitochondrial therapy in diabetic cardiomyopathy”

08.45-09.00 Maria Concetta Granieri, University of Calabria, Arcavacata, Italy

“Palmitate-induced cardiac lipotoxicity is relieved by Quercetin and its novel acetylated derivative Q2 through inhibition of oxidative stress and inflammation”

09.00-09.25 Lucia Morbidelli, University of Siena, Italy

“Vascular endothelium as target of protective activities by nutraceuticals”

09.25-09.50 Vincenzo Calderone, University of Pisa, Italy

“Sulfaceuticals: emerging modulators of cardiovascular health”

STATE OF THE ART LECTURE

Chair: Francesco Moccia, University of Pavia, Italy

9.50-10.20 Gaetano Thiene, University of Padua, Italy

“Sudden death in the athletes with concealed arrhythmogenic cardiomyopathy: how to prevent?”

10.20-10.35 Coffee break

10.35-11.55 GENDER DIFFERENCES

*Chair: Pietro Ameri, University of Genoa, Italy
Rosalinda Madonna, University of Pisa, Italy*



10.35-11.00 Elena Osto, Medical University of Graz, Austria

“Impact of sex and gender on endothelial metabolism and function in cardiometabolic disease”

11.00-11.25 Giovanna Maria Pelà, University of Parma, Italy

“The female side of the heart: sex differences in cardiovascular diseases”

- 11.25-11.40** *Maria Angela Guzzardi, Institute of Clinical Physiology, National Research Council, Pisa, Italy*
"The transfer of gut microbiota/metabolites from children to mice affects cardiometabolic development and induces sex-dimorphism in recipients"
- 11.40-11.55** *Claudia Maniezz, University of Milano-Bicocca, Milan, Italy*
"Electrophysiological effects of estrogen on hiPSC-derived cardiomyocytes of a patient affected by estrogen-sensitive Long-QT Syndrome Type 2"

INDUSTRY SESSION

- 11.55-12.10** *Michele Di Palo, Foreseebiosystems srl*
"In Vitro Assessment of acute and chronic cardiotoxicity on microelectrode arrays with laser cell optoporation"

SIRC TRASLATIONAL REASERCH LECTURE

Chair: Sveva Bollini, University of Genoa, Italy

- 12.10-12.40** *Giovanni Camici, University of Zurich, Switzerland*
"Cardiovascular aging: a translational perspective"

12.40-14.15 Lunch and Poster Session

Chair: Balwant S. Tuana, Ottawa University, Canada and Rosalinda Madonna, University of Pisa, Italy)

14:15-16.00 BIOTECHNOLOGY, BIOENGINEERING AND ARTIFICIAL INTELLIGENCE



*Chair: Michele Masetti, UOC General Surgery, S.Maria della Scaletta Hospital, Imola, Italy
Michele Miragoli, University of Parma, Italy*

- 14.15-14.40** *Valeria Chiono, Polytechnic University of Turin, Italy*
"Design of biomimetic substrates for cardiac regeneration through direct reprogramming"

- 14.40-15.05** *Christian Vergara, Polytechnic University of Milan, Italy*
"Computational analyses of cardiovascular problems: a quantitative/non-invasive method for electrophysiology, hemodynamics, cardiac perfusion"

15.05-15.20 Marco Mergiotti, University of Turin, Italy

"Interrogating Early Molecular Events of Doxorubicin-induced Cardiotoxicity at Single-cell Level to Identify New Therapeutic Approaches"

15.20-15.35 Luca Sala, University of Milano-Bicocca, Milan, Italy and Istituto Auxologico Italiano IRCCS, Milan, Italy

"Use of hiPSC-derived cardiomyocytes to study LQTS-variant specific proarrhythmic effects of drugs"

15.40-17.00 CLIMATE CHANGES AND ENVIRONMENTAL POLLUTION

Chair: Francesco Moccia, University of Pavia, Italy

Teresa Pasqua, University of Catanzaro, Italy



15.40-16.05 Franca Barbic, Humanitas University, Rozzano, Italy

"Environmental temperature and cardiac autonomic control: from experimental observations to preventive interventions and save energy"

16.05-16.30 Giovanni Li Volti, University of Catania, Italy

"The impact of cigarette smoke and reduced risk products aerosol on endothelial function: the REPLICA project"

16.30-16.45 Mirko Hu, University of Parma, Italy

"Assessing the Impact of Air Pollution on Human Embryonic Cardioids Using Innovative Longitudinal Monitoring and Machine Learning"

16.45-17.00 Mariacristina Filice, University of Calabria, Arcavacata, Italy

"The influence of environmental hypoxia on the goldfish (*Carassius auratus*) heart: from functional responses to mitochondrial molecular mechanisms"

17.00-17.15 Coffee break

INDUSTRY SESSION

17.20-17.35 Caroline O'Riordan, FUJIFILM VisualSonics, Inc

"Enhancing cardiology research: unraveling early dysfunction and molecular targets non-invasively through ultrasound and photoacoustic technology"

VALSALVA PRIZE LECTURE

*introduced by the SIRC President Vincenzo Lionetti and CRIMOLA Foundation
President Rodolfo Ortolani*

17.45-18.10

Chair: Teresa Pasqua, University of Catanzaro, Italy

Gaetano Santulli, University of Naples Federico II, Italy and Albert Einstein College of Medicine, New York, USA

“The (uneasy) road from basic research to clinical trials: Lessons from COVID-19 and endothelial (dys)function”

18.10-19.00 Meeting of the SIRC Assembly

SOCIAL DINNER

20 October 2023

08.30-09.50 CARDIOVASCULAR MISCELLANEA

Chair: Claudia Penna, University of Turin, Orbassano, Italy
Astrid Parenti, University of Florence, Italy



- 08.30-08.55** Carlo Gabriele Tocchetti, University of Naples Federico II, Italy
“Cancer and Heart: dangerous liaisons”

- 08.55-09.20** Antonio Paolo Beltrami, University of Udine, Italy
“Protective role of BPIFB4 in ischemic heart disease”

- 09.20-09.35** Sophie Cnudde, University of Turin, Turin, Italy
“Phosphoinositide 3-kinase C2α (PI3KC2α) controls cardiac contractility through regulation of β2-adrenergic receptor recycling”

- 09.35-09.50** Niketa Sareen, University of Manitoba, Winnipeg, Canada
“Reduced cyclooxygenase 2 levels after hypoxia exposure result in the loss of immunoprivilege of allogeneic mesenchymal stem cells”

GUIDO TARONE LECTURE

Chair: Alessandra Ghigo, University of Turin, Turin, Italy

- 09.55-10.25** Sanjiv Dhingra, University of Manitoba, Winnipeg, Canada
“Immunomodulation of allogeneic stem cells for cardiac regenerative medicine”

10.25-10.40 Coffee Break

10.40-12.00 AGING

Chair: Massimo Menetti, UO Geriatrics, S.Maria della Scaletta Hospital, Imola, Italy - Stefano Tarantini, University of Oklahoma Health Sciences Center, USA;



- 10:40-11.05** Balwant S. Tuana, University of Ottawa, Canada
“The centrosome in cardiac development, disease and aging”

- 11.05-11.30** Zoltan Ungvari, University of Oklahoma Health Sciences Center, USA
“Endothelial senescence: mechanisms and functional consequences”

- 11.30-11.45** Yulia Goshovska, Università della Svizzera Italiana, Lugano, Switzerland and Cardiocentro Ticino Institute, Bellinzona, Switzerland
“Reduction of doxorubicine-induced senescence does not provide cardioprotective effect in mice”

- 11.45-12.00** Giulio Agnetti, University of Bologna, Italy and Johns Hopkins School of Medicine, Baltimore, USA
“Understanding the Pathobiology of Intermediate Filaments to Curb Acute and Chronic Cardiac Dysfunction”

VALSALVA PRIZE LECTURE

introduced by the SIRC President Vincenzo Lionetti and CRIMOLA Foundation President Rodolfo Ortolani
Chair: Andrea Gerbino, University of Bari, Italy

- 12.05-12.30** Giuseppe Ristagno, Mario Negri Institute and University of Milan, Milan, Italy
“Cardioprotection by noble gas Argon”

12.35-13.30 CEREMONY RESEARCHER AWARDS

Chair: Vincenzo Lionetti, SIRC President
Claudia Penna, SIRC Vice-President

13.30 FINAL REMARKS & TAKE-HOME MESSAGES

Chair: Vincenzo Lionetti, SIRC President
Andrea Gerbino, SIRC Secretary

18TH-20TH OCTOBER 2023 PALAZZO SERSANTI, IMOLA



SIRC



XXIV CONGRESS
OF THE ITALIAN SOCIETY
OF CARDIOVASCULAR RESEARCH

18th-20th October 2023

Palazzo Sersanti

Piazza Giacomo Matteotti, 8 - 40026 Imola BO

CON IL PATROCINIO



FONDAZIONE
Cassa di Risparmio di **IMOLA**



Fondazione italiana per il cuore

Associazione senza scopo di lucro
Riconoscimento giuridico n. 14.12.649



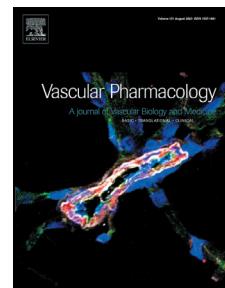
SEGRETERIA ORGANIZZATIVA

SUMMEET

SUMMEET Srl

Via P. Maspero, 5 - 21100 Varese
Tel. 0332 231416 - Fax 0332 317748
info@summeet.it - www.summeet.it
Provider ECM n° 604

CON IL CONTRIBUTO
NON CONDIZIONANTE DI



FUJIFILM | VISUAL SONICS

M
mucedola

C SOPHION
BIOSCIENCE

SAGO MEDICA
MEDICAL EQUIPMENT

Sial SIAL.it

Official SIRC 2023 Journal

Il congresso del trentennale della SIRC ha al suo fianco la prestigiosa rivista scientifica **Vascular Pharmacology (IF 4)**, che si impegna da anni nella divulgazione degli abstract presentati in anteprima al Congresso

