

## Scientific & Organizing committee

Cristina Banfi, Centro Cardiologico Monzino IRCCS

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Roberta Pastorelli, Istituto Mario Negri

Giuseppe Pieraccini, Università degli Studi di Firenze

Barbara Pioselli, Chiesi Farmaceutici

Simone Sidoli, Albert Einstein College of Medicine

**To register and to submit abstracts:**



Please scan the QR code:

The deadline for abstract submission is October 9th, 2023

This event is made possible thanks to the support of:



## How to reach us

### By car

Monzino is located 100 meters from the East Ring Road exit Via Mecenate.

From Milan: take Via Mecenate and turn left at the traffic lights before the East Ring Road, then follow the road signs for Monzino.

From the A1 highway (Bologna): take The East Ring Road (direction Venice) to Via Mecenate exit and follow the road signs for Monzino.

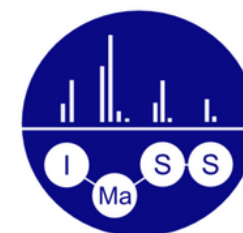
From the A4 highway (Venice): take The East Ring Road (direction Bologna) to Via Mecenate exit and follow the road signs for Monzino.

From highway A4 (Turin), A8 (Varese), A7 (Genoa), A9 (Como): take The Western Ring Road (direction Bologna) and then the East Ring Road (direction Venice) to Via Mecenate exit and follow Monzino directions.

### By public transport

From City Center: take the yellow subway (line 3) towards San Donato to the terminus, then take the bus 45, Via Vittorini stop, which is 50 meters from Monzino. Take streetcar 27 to the Viale Ungheria stop, then take the bus 66 or 45 to Linate, Via Vittorini stop.

From Centrale and Rogoredo stations: take the yellow subway (line 3) and follow the directions in point 1 above.



IMaSS

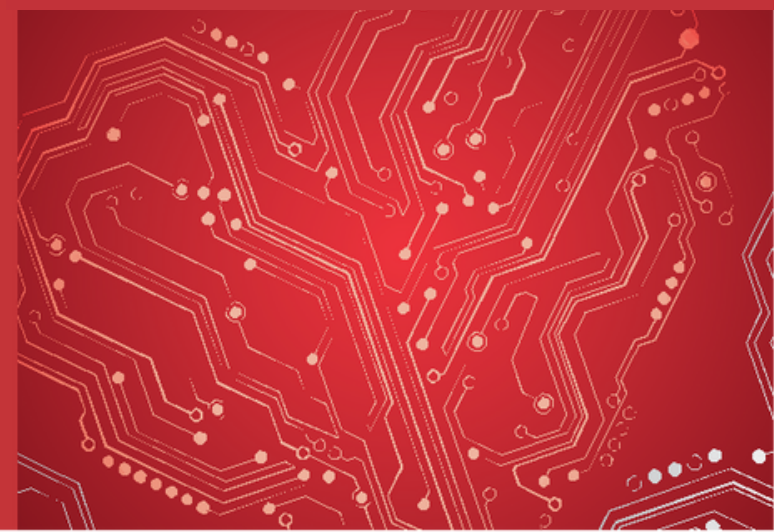
Italian Mass Spectrometry Society

## Proteomics and metabolomics for Biomarker Development in Cardiovascular-related diseases

27 October 2023

Course venue

Aula Magna "Cesare Bartorelli"  
Centro Cardiologico Monzino IRCCS  
Via C. Parea, 4, 20138 Milan - Italy



## Introduction

This workshop will explore the relevance of proteomics and metabolomics in clinical research. The idea behind is to provide the scientific community with insights into the latest trends and tools impacting biomarker research. The meeting will provide an overarching view of state-of-the-art proteomics and metabolomics focusing on omics in health, disease and biology, and it will include sessions on structural proteomics, clinical proteomics, precision medicine, spatial proteomics, computational proteomics and bioinformatics as well as cellular and molecular biology. Our aim is to encourage participants from academia, industry, national research societies and instrument vendors with expertise in biology, healthcare and protein science including proteomics and metabolomics to interact and create new collaborations between multiple disciplines and participating countries.

## Program

9:00-9:40 Registration and coffee

Welcome and introduction to the meeting

9:40-10:00 Giulio Pompilio, CCM Scientific Director and Andrea Armirotti, IMaSS President

### Session 1

**Chairs: Silvia Catinella and Giancarlo Aldini**

10:00-10:20 Pastorelli Roberta, Mario Negri Institute, Italy: “Proteomics and Metabolomics biomarkers: lost in translation?”

10:20-10:40 Nicola Zamboni, Institute of Molecular Systems Biology, ETH Zurich, Switzerland: “Deep structural elucidation of lipids for dummies”

10:40-11:00 Barbara Pioselli, Chiesi Farmaceutici, Italy: “Cardiopulmonary biomarkers”

11:00-11:20 Nico Mitro, University of Milan, Italy: “Metabolomics and obesity-related cardiovascular disease”

11:20-11:40 Giancarlo Aldini, University of Milan, Italy: “Post translational modifications of albumin in cardiovascular disease”

11:40-12:00 Stefanie M Hauck, Helmholtz Zentrum München, Germany: “Multiplatform approach for plasma proteomics: complementary of affinity-based technology to mass spectrometry-based protein profiling”

12:00-12:20 Emmanuelle Claude, Waters, UK: “Benefit of Waters imaging technology in cardiovascular tissues analysis”

12:20-12:40 Samuele Scurati, SCIEX, Italy: “Advancements for proteomics and lipidomics workflow”

12:40-14:00 Lunch & Poster Session

### Session 2

**Chairs: Roberta Pastorelli and Giuseppe Pieraccini**

14:00-14:20 Liam A McDonnell, Fondazione Pisana per la Scienza ONLUS, Italy: “Region-specific lipid markers of plaque vulnerability revealed by mass spectrometry imaging”

14:20-14:40 Sarantis Chlamydas, Olink Proteomics, Sweden: “Precision proteomics broadens MultiOmics repertoire in disease research area”

14:40-15:00 Edwin Yoo, Albert Einstein College of Medicine, USA: “Histone modification in cardiovascular diseases”

15:00-15:40 Coffee break

### Flash talks from the sponsors

15:40-16:10

SCIEX: “Echo MS: open up a new frontier in contactless sampling”

OLINK: Pasquale Cutolo: “Olink Insight: all your proteins connected, in one place”

BRUKER: Giulio Calza: “The Bruker ecosystem: from the sample to the success”

### Session 3

**Chairs: Cristina Banfi and Andrea Armirotti**

16:10-17:10 Flash oral communications, young scientists

17:10-17:30 Award ceremony and conclusions