



21-25 May



WORLDLAB · EUROMEDLAB
ROMA 2023

**25TH INTERNATIONAL CONGRESS OF CLINICAL
CHEMISTRY AND LABORATORY MEDICINE**

**25TH EUROPEAN CONGRESS OF CLINICAL
CHEMISTRY AND LABORATORY MEDICINE**

**55TH CONGRESS OF THE ITALIAN SOCIETY OF CLINICAL
BIOCHEMISTRY AND CLINICAL MOLECULAR BIOLOGY**





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Dates to focus on

January 15th, 2023

Deadline for poster abstract submission

March 31st, 2023

Deadline for reduced registration fees

Welcome letter

It is my great pleasure to formally announce the XXV IFCC-EFLM EuroMedLab Congress, which will be jointly hosted by IFCC, EFLM, and the Italian Society in partnership with MZ Congressi. I invite all of you to participate in the academic sessions, industry exhibits, and other offerings of this premier scientific event, taking place in Rome, Italy from May 21-25, 2023.

Indeed, the biannual EuroMedLab Congresses continue to act as leading forums in the field of laboratory medicine and clinical chemistry, bringing together scientists, laboratory specialists, clinicians, and industry colleagues to enable scientific exchange and advancement. The 2023 EuroMedLab Congress will feature innovative and diverse education opportunities, including lectures, symposia, recent advancements in clinical practice and science, poster presentations, and industry exhibits, as well as an excellent social program. Attendees will thereby have the chance to interact with distinguished experts from around the world.

Rome will provide the perfect setting for this experience, as a truly global city that is rich in history, stunning architecture, and cosmopolitan atmosphere. The organizing and scientific conference committees are now busy planning outstanding scientific and social programs.

As IFCC continues to grow and expand its international reach, we remain committed to the key goal of advancing better healthcare worldwide. International forums such as the 2023 EuroMedLab Congress support us in this effort by ensuring our organization and field remain at the cutting edge. In support of this mission, the conference organizing committee and scientific organization committee are working hard to build a very strong program with a truly international faculty as well as industry workshop and exhibits. Stay tuned for more information over the coming year!

Khosrow Adeli PhD, FCACB, DABCC, FAACC

IFCC President



Khosrow Adeli
PhD, FCACB,
DABCC, FAACC
IFCC President

Welcome letter

Dear Colleagues, and Friends,
On behalf of the European Federation of Clinical Chemistry and Laboratory Medicine (EFLM), it gives me an immense pleasure and a great honor to invite you to attend the joint 25th International Congress of Clinical Chemistry and Laboratory Medicine (WorldLab) and 25th European Congress of Clinical Chemistry and Laboratory Medicine (EuroMedLab) which will be hosted by the Italian Society of Clinical Biochemistry and Clinical Molecular Biology (SIBioC), on the occasion of their 55th Annual congress at the new Rome Convention Center "The Cloud" from May 21st to 25th, 2023.

The congress will employ a blended approach of both physical and virtual interactions. The Scientific Program Committee has put together a fantastic multidisciplinary program covering a broad range of important themes such as basic concepts, advanced diagnostics and techniques used in laboratory medicine. The program will feature lectures, oral presentations, posters and high-level educational workshops. Distinguished international speakers and key opinion leaders will deliver presentations in health care, on recent diagnostic technologies, scientific advances, and challenges.

The In Vitro Diagnostic (IVD) Sector supports the Congress via organizing two important activities, high-level Educational Workshops on important topics with eminent speakers presenting the latest scientific advances in all disciplines pertinent to laboratory medicine. The IVD Sector also organizes a great exhibition providing the attendees a great opportunity to explore the recent novel technological advances and practical solutions fitting to the needs of clinical laboratories.

The objective of this meeting is not only to contribute to the advancement of laboratory medicine and to the dissemination of advanced knowledge, but also to foster the creation of an opportunity to establish professional and scientific links/bridges among the participants.

On behalf of the EFLM, I look forward to meeting you at the Joint 25th WorldLab-EuroMedLab and 55th SIBioC Congress to be held in the excellent conference venue of Rome "The Cloud", enjoying inspirational scientific program, exhibition, networking, and social activities. I am confident that you will find your time rewarding and worthwhile.

Professor Tomris Ozben
EuSpLM, Ph.D., D.Sci., Specialist in Clinical Biochemistry
EFLM, President



Tomris Ozben
EFLM President

Welcome letter

Dear Colleagues and Friends,
It is my great privilege and pleasure to invite you to WorldLab Euromedlab to be held in Rome from May 21st to 25th, 2023 on behalf of the Italian Society of Clinical Biochemistry and Clinical Molecular Biology, Sibioc-Laboratory Medicine.

For our Society, 2023 will be an extraordinary year! We have a unique opportunity to host both the 25th International Congress of Clinical Chemistry and Laboratory Medicine, World Lab and the 25th European Congress of Clinical Chemistry and Laboratory Medicine, EuroMedLab in the occasion of Sibioc's 55th Annual congress, in the most stylish and futuristic Convention Center "The Cloud" in our capital city, Rome.

The Rome Conference Organizing Committee has developed an impressive, remarkable and exciting scientific program, covering the most relevant and strategic areas for the future of Laboratory, Medicine and Patient Care. The scientific programme highlights the value of clinical laboratory testing by presenting the most updated information on the hottest topics in Laboratory Medicine. International speakers and key opinion leaders will review and present important issues regarding the profound changes expected in Laboratory Medicine following the introduction of new analytical technologies, new diagnostic strategies, innovation in digitalization, extensive data processing and the consequent integration and interpretation of clinical laboratory information.

We are looking forward to celebrate time together again following prolonged professional and social isolation due to the pandemic. We hope the 2023 WorldLab, Rome Conference will provide us a chance to learn remarkable, updated scientific skills from outstanding experts and to develop and encourage new and ongoing personal and professional relationships.

"The Cloud" Congress Center is a novel and unique location which offers innovative services, facilitating participants every comfort requirement. The location also offers a great opportunity to visit the fascinating city of Rome; a city which has inspired people for millennia with its incredible history, works of art, collection of monuments and world-renowned cuisine. "Eternal City" and its "dolce vita" lifestyle will help us all relax, appreciating the city's beauty and charm wherever we may go, whether it be basking in the plentiful sunshine with a gelato in hand or walking through elegant piazzas and stumbling over magnificent sights, such as the Trevi Fountain or the Colosseum.

Sibioc is dedicated to making Rome 2023 an unforgettable meeting for all attendees.

I truly hope to welcome you to Rome next year!
With my warmest regards,

Tommaso Trenti
President of Italian Society of Clinical Biochemistry and Clinical Molecular Biology, Sibioc- Laboratory Medicine.



Tommaso Trenti
SIBioC President

Welcome letter

Dear Colleagues, Dear Friends,
it is my great pleasure to invite you to the WorldLab Euromedlab Rome 2023 – 25th INTERNATIONAL CONGRESS OF CLINICAL CHEMISTRY AND LABORATORY MEDICINE and 25th EUROPEAN CONGRESS OF CLINICAL CHEMISTRY AND LABORATORY MEDICINE that will be held in Rome from May 21st to 25th, 2023.

Rome, a city well-known for its Art and Culture, is happy to be the host of the event and will be honored to welcome you at the new Convention Center “The Cloud” placed in the heart of the city. This spectacular location promises to offer you an excellent conference venue with latest technology and functionality combined with the extraordinary history of Rome.

The Covid Pandemic forced us to change our life for years, to get in touch mainly by distance and to limit meetings with colleagues and friends.

During this challenging time we fought together against the spread of the virus and against Covid19 disease contributing to the screening, diagnosis, follow up and prognosis with a decisive impact in the outcome of Covid19 for millions of people all over the world.

From this tragedy we learnt that nobody can be left behind and that this is the main mission of IFCC that always has been the leader in developing evidence on the Value and impact of Laboratory Medicine in patient care and enhancing quality of clinical laboratory testing globally.

The Rome Conference Organizing Committee planned an exciting scientific programme to showcase the future of laboratory diagnostics. The event will be covering cutting edge science and disrupting technologies in laboratory medicine together with IVD Companies that will attend the great LabMed Exhibition in “The Cloud”. We are certain that the IFCC WorldLab EuroMedLab Rome 2023 will be a rewarding and unforgettable experience for all our participants attending from around the world.

Looking forward to meeting you all in Rome at IFCC WorldLab- Euromedlab 2023.

Yours truly,
Sergio Bernardini
Congress President



Sergio Bernardini
Congress President



Welcome letter

On behalf of The European Federation of Clinical Chemistry and Laboratory Medicine and on behalf of the Scientific Programme Committee of the Congress, I warmly invite you to join us at the joint 25th International Congress of Clinical Chemistry and Laboratory Medicine (WorldLab) and 25th European Congress of Clinical Chemistry and Laboratory Medicine (EuroMedLab) which will be hosted by the Italian Society of Clinical Biochemistry and Clinical Molecular Biology, on the occasion of their 55th Annual congress.

The COVID-19 pandemic was and still is a very difficult time for most of us, but it was also the opportunity to demonstrate the extraordinary value and significant contribution of our profession in the global joint battle against Sars-CoV-2 virus. Laboratory medicine was at the core of the defence strategy, providing tools for effective detection of COVID-19 infection, monitoring of the disease progression and measuring the function of the various elements of immunity. The 25th WorldLab-EuroMedLab will be the opportunity for us to further emphasize our value and contribution to the society and to the healthcare, discuss latest exciting developments in all areas of laboratory medicine and broaden our knowledge by learning from the best.

The Scientific Committee, which I have the honour to chair, will strive to put together an outstanding, challenging and inspirational programme. We will make sure to address most, if not all, of the topics suggested by the members of the International Scientific Advisory Board and do our best to deliver the content that fully meets your expectations.

None can guarantee that 25th WorldLab-EuroMedLab will be held in personal attendance, but my hopes are that, at the time of this event, the pandemic restrictions will be long gone and that we will have the opportunity to enjoy fully not only the scientific but also the social part of the conference.

What I am absolutely sure is that the organizers will make their best to ensure the safe environment and pleasant and enjoyable atmosphere for you. The beautiful city of Rome will be ready to welcome you warmly in May 2023.

Come to Rome, join us for the 25th WorldLab-EuroMedLab and enjoy the opportunity to get inspired by some extraordinary colleagues, experts and top scientists in our profession.

Help us make the 25th WorldLab-EuroMedLab a truly memorable meeting. I look forward to meeting you all in Rome!

Professor Ana-Maria Šimundić
Scientific programme committee, chair



Ana-Maria Šimundić
Scientific
Programme
Committee Chair



Timetable

Sunday 21 May

17.00	OPENING CEREMONY
20.00	Welcome reception

LEGEND

PL	Plenary Lecture	SYM	Congress Symposium	EDUW	Educational Workshop
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Monday 22 May

	LA NUVOLA	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5	ROOM 6	
9.00-11.00		EFLM SYM	IFCC SYM	IFCC SYM	EFLM SYM	SIBIOC SYM	SYM 1	10.00-17.30 Exhibition open
11.00	BREAK							
11.30-12.30	PL 1							
12.30-14.30	POSTER SESSION LUNCH							
14.30-15.30	IFCC SYM	EDUW 1	EDUW 2	EDUW 3	EDUW 4	EDUW 5	Meet the expert	
15.45-16.45		EDUW 6	EDUW 7	EDUW 8	EDUW 9	EDUW 10	Debate	
17.00-18.00		EDUW 11	EDUW 12	EDUW 13	EDUW 14	EDUW 15		

Wednesday 24 May

	LA NUVOLA	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5	
9.00-11.00		SYM 6	SYM 7	SYM 8	SYM 9	SIBIOC SYM	10.00-17.30 Exhibition open
11.00	BREAK						
11.30-12.30	PL 3						
12.30-14.30	POSTER SESSION LUNCH						
14.30-15.30	Clinical Cases	EDUW 31	EDUW 32	EDUW 33	EDUW 34	EDUW 35	
15.45-16.45	Clinical Cases	EDUW 36	EDUW 37	EDUW 38	EDUW 39	EDUW 40	
17.00-18.00		EDUW 41	EDUW 42	EDUW 43	EDUW 44	EDUW 45	

Tuesday 23 May

	LA NUVOLA	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5	ROOM 6	
9.00-11.00		SYM 2	IFCC SYM	SYM 3	SYM 4	SIBIOC SYM	SYM 5	10.00-17.30 Exhibition open
11.00	BREAK							
11.30-12.30	PL 2							
12.30-14.30	POSTER SESSION LUNCH							
14.30-15.30	EFLM SYM	EDUW 16	EDUW 17	EDUW 18	EDUW 19	EDUW 20	Preanalytical Cases	
15.45-16.45		EDUW 21	EDUW 22	EDUW 23	EDUW 24	EDUW 25	Clinical Cases	
17.00-18.00		EDUW 26	EDUW 27	EDUW 28	EDUW 29	EDUW 30		

Thursday 25 May

	LA NUVOLA	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5	
9.00-11.00		SYM 10	SYM 11	SYM 12	SYM 13	SIBIOC SYM	
11.00	BREAK						
11.30-12.30	PL 4						
12.30-13.00	Closing Ceremony						

Sunday 21 May

17:00-19:00

OPENING CEREMONY

Welcome addresses
Awards Ceremony

Opening Lecture

Forgiveness for Individual, Family, and Community Well-Being

R. Enright (USA)

R. Enright (USA)

Professor Enright has pioneered the scientific study of forgiveness, which now claims over 1,000 researchers worldwide. He has been honored with the Chancellor's Award for Distinguished Teaching, the campus-wide Hilldale Award in the Social Studies Division for his research on forgiveness, and the WARF Named Professorship, the Aristotelian Professorship in Forgiveness Science. His National Conference on Forgiveness was the first of its kind on any university campus. His various research grants have centered on moral development. One of the most gifted teachers on campus, Dr. Enright is a recipient of the Chancellor's Distinguished Teaching Award and the Wisconsin Student Association Teaching Award. He teaches courses in moral development with an emphasis on the psychology of forgiveness. He is a popular speaker on the moral development of forgiveness, with his work appearing in such outlets as Time magazine, the Los Angeles Times, Chicago Tribune, and ABC's 20/20. He is a former member of the editorial board of Child Development and is currently on the editorial board of the Journal of Early Adolescence.



R. Enright



Monday 22 May

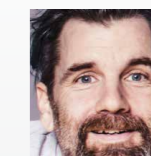
09:00-11:00

EFLM SYMPOSIUM

Inappropriate use of laboratory resources – Demand management tools and how to use them

Session chairs: J. Cadamuro (Austria), M. Salinas (Spain)

- Definition and magnitude of over- and underuse
J. Cadamuro (Austria)
- Tools to overcome inappropriate test ordering
A.M. Simundic (Croatia)
- Examples of successful interventions - M. Salinas (Spain)
- Two oral communications selected among participants' abstracts



J. Cadamuro



M. Salinas



A.M. Simundic

09:00-11:00

IFCC SYMPOSIUM

Artificial intelligence applications in clinical laboratory medicine

Session chair: D. Gruson (Belgium)

- Artificial intelligence: current and future applications in laboratory medicine – D. Gruson (Belgium)
- Artificial intelligence to drive prevention and improve patient outcomes – Speaker to be announced
- The value of AI in the mobile health ecosystem – N. Delvaux (Belgium)
- Two oral communications selected among participants' abstracts



D. Gruson



N. Delvaux

09:00-11:00

IFCC SYMPOSIUM

Precision Medicine will boost Medical Test Standardization of Protein Biomarkers

Session chairs: C. Cobbaert (Netherlands), P. Gillery (France)

- Critical Appraisal of IFCC SD standardization / harmonization efforts: making up the balance - P. Gillery (France)
- Embracing (patho-)physiological diversity at the molecular level: unravelling the human blood proteome - N. Kelleher (USA)
- Promising (glyco-) and proteoform measuring technologies to accurately quantify the measurand of interest: what is in the pipeline? - Y. van der Burgt (Netherlands)
- Bottom-up proteomics enables peptide-based calibration of molecular defined proteins for realizing SI-traceability of test results - C. Cobbaert (Netherlands)



P. Gillery



C. Cobbaert



Y. van der Burgt

Monday 22 May

09:00-11:00

SYMPOSIUM 1

MicroRNA: from detection technologies to applications

Session chair: V. Taly (France)

- Diagnostic potentials of circulating EV/EXO-related biomarker signatures – M. W. Pfaffl (Germany)
- Droplet-based microfluidics for miRNA detection V. Taly (France)
- miRNA profiling in cells and extra-cellular vesicles using high-throughput sequencing in human diseases and disease models – J. Tost (France)
- Two oral communications selected among participants' abstracts

09:00-11:00

EFLM SYMPOSIUM

Precision Medicine

Session chair: T. Ozben (Turkey)

- Multi-omics profiling in the era of cancer Precision Medicine – T. Ozben (Turkey)
- Genetic diagnosis and multi-omics clustering for diabetes precision medicine – P. Froguel (UK)
- Computer-assisted integration of multi-dimensional patient's data for poly-therapies management – M. Simmaco (Italy)
- Two oral communications selected among participants' abstracts

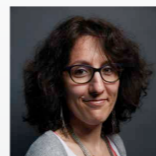
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SIBioC SYMPOSIUM

Opportunities and challenges for digital morphology in Hematology

Session Chairs: S. Buoro (Italy), G. Da Rin (Italy)

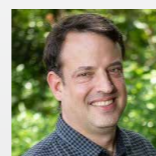
- From the digital microscope to artificial intelligence - G. D'Onofrio (Italy)
- The virtual slide in hematology - G. Zini (Italy)
- Digital morphology analyzers in hematology: a disruptive innovation? The experience of SIBioC hematology study group - M. Seghezzi (Italy)
- Two oral communications selected among participants' abstracts



V. Taly



M.W. Pfaffl



J. Tost



T. Ozben



P. Froguel



M. Simmaco

Monday 22 May

11:30-12:30

PLENARY LECTURE

Digital health, big data and smart technologies for the care of patients with cancer

N. Waddel (Australia)

N. Waddel (Australia)

Dr Nic Waddell obtained her PhD in molecular biology from the University of Leicester in the UK. She is head of the Medical Genomics group at QIMR Berghofer Medical Research Institute. Prior to that she has been a post-doctoral researcher at the University of Queensland and QIMR Berghofer. She is a cancer researcher and collaborative bioinformatician who is an expert in the interpretation of next generation sequence data. She has also played a key role in the Australian International Cancer Genome Consortia (ICGC) projects (PIs Grimmond, Biankin and Bowtell) and the Australian Melanoma Genome Project (AMGP).

Her team focuses on the genomics of several cancers including oesophageal, melanoma, mesothelioma and lung cancer. She has received over 10 million AUD of funding as a CI. With an H-index of over 45, she has consistently published in high impact journals including multiple articles in Nature. She is co-founder of precision analytics company, genomiQa. This company specialises in in whole genome data analysis. Dr Waddell is a member of the Queensland Genomics Community Group where she contributes to a variety of projects in community engagement and the development of guidelines to enable the clinical use of genomics.



N. Waddel



Monday 22 May

14:30-16:30

IFCC SYMPOSIUM

Central Role of the Clinical Laboratory in Public Health & Patient Care Continuum

Session chairs: R. Erasmus (South Africa), A. St John (Australia)

- Critical review of the evidence supporting the value of laboratory medicine in clinical care - K. Adeli (Canada)
- Anatomy of a value proposition for laboratory medicine - A. St John (Australia)
- Demonstrating the value of laboratory medicine from an industry perspective - B. Meyer (UK)
- Strategies for Promoting the Value of Laboratory Medicine in North America - D. Kinniburgh (Canada)

12:30-14:00

POSTER SESSION

14:30-15:30

MEET THE EXPERT

Infrared spectroscopy

S. De Bruyne (Belgium)

15:45-16:45

DEBATE

The use of cardiac biomarkers in risk stratification

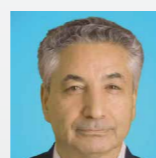
F. Apple (USA), N. Mills (UK)



R. Erasmus



A. St John



K. Adeli



D. Kinniburgh

Tuesday 23 May

09:00-11:00

SYMPOSIUM 2

COVID-19 diagnosis, therapy and outcome

Session chair: M. Ciccozzi (Italy)

- SARS-CoV-2: Epidemiological and genomic analysis – L.B. Snell (UK)
- Challenges in COVID-19 testing strategies – P. M Bossuyt (Netherlands)
- Severe COVID-19: is it a viral or an immunological disease? A. Guillon (France)
- Two oral communications selected among participants' abstracts



L.B. Snell



P.M. Bossuyt



A. Guillon

09:00-11:00

SYMPOSIUM 3

Diagnostic Challenges in Sepsis

Session chair: C. Tsatsanis (Greece)

- Immunology of sepsis: diagnostic and therapeutic opportunities – T. Van der Poll (Netherlands)
- Harmonisation of Procalcitonin as a sepsis biomarker: problems and solutions – V. Delatour (France)
- Functional biomarkers of Sepsis Immunosuppression C. Tsatsanis (Greece)
- Two oral communications selected among participants' abstracts



T. Tsatsanis



T. Van der Poll



V. Delatour

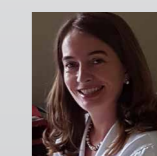
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SYMPOSIUM 4

Towards the next generation of Laboratory Information Systems

Session chair: V. Lukić (Serbia)

- LIS 2.0: what does the future hold? - V. Lukić (Serbia)
- Are laboratory information systems prepared for interconnected health care? – A. Bietenbeck (Germany)
- An evaluation framework for effective and safe laboratory information systems – M. Yusof (Malaysia)
- Two oral communications selected among participants' abstracts



V. Lukić



A. Bietenbeck



M. Yusof

Tuesday 23 May

09:00-11:00

IFCC SYMPOSIUM

Advancing Excellence in Laboratory Medicine Worldwide: An Update from IFCC Taskforces

Session chairs: K. Adeli (Canada), A. Haliassos (Greece)

- Enhancing Laboratory Quality on a Global Level: Results of the IFCC EQA Pilot Study - E. Amann (Germany)
- Closing the Gaps in Newborn Screening: The IFCC Global NBS Program - J. Bonham (UK)
- Impact of the Clinical Laboratory in Clinical Medicine: Developing the Evidence - Z. Zhan (USA)
- Global Database of Adult and Pediatric Reference Intervals - J. Zierk (Germany)

09:00-11:00

SIBIOC SYMPOSIUM

The challenge of harmonization in laboratory medicine

Session chairs: A. Carobene (Italy), F. Ceriotti (Italy)

- Harmonization of the Pre-analytical phase - A-M. Simundic (Croatia)
- Harmonization of the Analytical phase - M. Panteghini (Italy)
- Harmonization of the Post-analytical phase - M. Plebani (Italy)
- Two oral communications selected among participants' abstracts

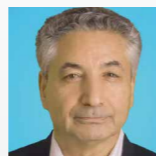
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SYMPOSIUM 5

Autoimmune diseases

Session chairs: D. Barnali (India), J. Sheldon (UK)

- IgG4 related disease - E. Della Torre (Italy)
- The role of complement in autoimmune disease - J. Thurman (USA)
- Harmonisation of Autoimmune Testing - J. Sheldon (UK)
- Two oral communications selected among participants' abstracts



K. Adeli



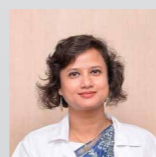
A. Haliassos



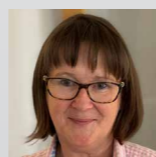
E. Amann



J. Zierk



B. Das



J. Sheldon



E. Della Torre



J. Thurman

Tuesday 23 May

11:30-12:30

PLENARY LECTURE

Viral Evolution and Host Immune Responses

A. Fischer (France)

A. Fischer (France)

Alain Fischer obtained his medical degree (pediatrics) in 1979, he became professor of immunology at Paris Descartes University, then in 1991 director of an INSERM unit "Normal and pathological development of the immune system". He was head of the "Pediatric Immunology and Hematology" unit (UIH) at the Necker Hospital (AP-HP) from 1996 to 2012. In November 2002, he was elected full member of the Academy of Sciences and in 2011 of the Academy of Medicine. He was a member of the National Consultative Ethics Committee from 2003 to 2009. He was the co-founding of the Imagine Institute for Genetic Diseases and its director (2007-2016). Alain Fischer was elected as a foreign member of the U.S. National Academy of Medicine in 2017 and of the U.S. Academy of Sciences in 2019. Alain Fischer is an emeritus professor at the Collège de France, Chair of Experimental Medicine. He is President of the strategic committee on the french vaccination programme against Covid 2020-present)

His work has been recognized by numerous awards, including the Jeantet Prize (2001), the INSERM Grand Prix (2008), the Robert Koch Prize (2014), the Japan Prize (2015). Alain Fischer's work has been devoted to the study of the human immune system through the characterization of numerous genetic defects and the understanding of their physiopathology. He is the pioneer of gene therapy since 1999.



A. Fischer

Tuesday 23 May

14:30-16:30

EFLM SYMPOSIUM

Quality in clinical laboratory: a moving target

- Measurement and monitoring of analytical quality - M. Panteghini (Italy)
- Quality indicators in the total testing process - V. De Guire (Canada)
- Outcome measurement and integration of quality measures in laboratory medicine - M. Plebani (Italy)
- Two oral communications selected among participants' abstracts

12:30-14:00

POSTER SESSION

14:30-15:30

PREANALYTICAL CASES

Preanalytical mysteries

S. Jovičić (Serbia), J. Cadamuro (Austria)

15:45-16:45

CLINICAL CASES

Bone turnover markers + vitamin D

E. Cavallier (Belgium), M. Hermann (Germany)



M. Panteghini



V. De Guire



M. Plebani

Wednesday 24 May

09:00-11:00

SYMPOSIUM 6

Preanalytical phase and patient outcome

Session chair: A.M. Simundic (Croatia)

- How to measure patient related outcomes & cost of preanalytical errors? - G. Lippi (Italy)
- New venous catheter blood draw device and its impact on patient and laboratory related outcomes - K. Doyle (USA)
- Over-estimation of plasma glucose in collection tubes containing citrate stabilizer - C.M. Florkowski (New Zealand)
- Two oral communications selected among participants' abstracts



A.M. Simundic



G. Lippi



K. Doyle



C.M. Florkowski

09:00-11:00

SYMPOSIUM 7

Young Scientist Session

Session chairs: K. Taha Ucar (Turkey), B. Das (India)

- Circulating cancer biomarkers: where are we now? A. Tikhonov (Russia)
- Immature platelet fraction as an early inflammatory biomarker C. Imperiali (Spain)
- Dialogue between lab and clinicians for a win-win collaboration - M. Lenski (France)
- Laboratory Critical Results management - S. Fares Taie (Argentina)



K. Taha Ucar



B. Das



A. Tikhonov



C. Imperiali



M. Lenski



S. Fares Taie

09:00-11:00

SYMPOSIUM 8

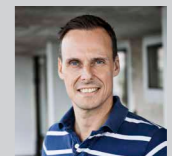
Bone as an endocrine organ

Session chair: E. Cavalier (Belgium)

- Relation between bone and energy metabolisms - C. Confavreux (France)
- Sclerostin: from pathophysiology to laboratory determination - R. N. Jørgensen (Denmark)
- FGF23: clinical and laboratory perspectives - A. Heijboer (Netherlands)
- Two oral communications selected among participants' abstracts



E. Cavalier



R. N. Jørgensen



A. Heijboer

Wednesday 24 May

09:00-11:00

SYMPOSIUM 9

Translating biomarkers from research to clinical use in traumatic brain injury

Session chairs: K. Makris (Greece), J. Montaner (Spain)

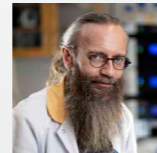
- Pathophysiology and epidemiology of traumatic brain injury
J. Montaner (Spain)
- Biomarkers of traumatic brain injury: current state and unresolved issues – H. Zettenberg (Sweden)
- Current trends in discovery of new TBI biomarkers
J.C. Sanchez (Switzerland)
- Two oral communications selected among participants' abstracts



K. Makris



J. Montaner



H. Zettenberg



J. Sanchez

09:00-11:00

SIBioC SYMPOSIUM

The latest advances in diabetes clinical and laboratory research

Session chairs: A. Mosca (Italy), A. Terreni (Italy)

- Nature of diabetes: time for a rethink? - D. Leslie (UK)
- Diabetic kidney disease: new clinical and therapeutic issues
G. Pugliese (Italy)
- Role of glycated albumin for diagnosis and management of diabetes mellitus - E. Selvin (USA)
- Two oral communications selected among participants' abstracts

12:30-14:00

POSTER SESSION

14:30-15:30

CLINICAL CASES

Challenges in the interpretation of laboratory tests in hemostasis

E. Favaloro (Australia)

15:45-16:45

CLINICAL CASES

Clinical cases in neuroimmunology

A. Vincent (UK)

Wednesday 24 May

11:30-12:30

PLENARY LECTURE

Multi-Omics for Biomarker Discovery: the Value of NMR-Spectroscopy

M. Nauck (Germany)

M. Nauck (Germany)

is chair and professor of the Institute of Clinical Chemistry and Laboratory Medicine at the University Medicine Greifswald, Germany. He obtained his M.D. at the University Hospital Freiburg, Germany in the field of lipid metabolism. Dr Nauck is currently Past President of the German Society of Clinical Chemistry and Laboratory Medicine (DGKL) and chairman of INQUAM e.V. (Institute for Quality Management in Medical Laboratories), a foundation especially involved in quality management according to the business excellent model of the European Foundation of Quality Management (EFQM).

He is chairman of the advisory board of the Quality Assurance in Medical Laboratory Investigations of the German Medical Association (BAEK), responsible for the Guideline of the German Medical Association on Quality Assurance in Medical Laboratory Examinations. He also represents the German Medical Association as a deputy in the German Committee on Genetic Diagnostics (GEKO) and he is member and Assistant EQA-scheme consultant with Instand e.V., one of the two officially appointed external quality control scheme organisations in Germany.

He is Spokesman of Scientific Infrastructure of German Centre for Cardiovascular Research (DZHK) and Member of the Clinical Study Group Steering Committee and Member of the Use and Access Committee of the DZHK.

In addition, he is deeply involved in the biobanking activities of the German National Cohort (GNC) and spokesman of the expert group Biomaterial and Laboratory Analytics and Member of several expert panels within the GNC.

During the Corona Pandemic, he established a German wide biobanking, including all German University hospitals within the Netzwerk Universitätsmedizin (NUM).

He has published over 560 original peer-reviewed articles with a cumulated impact factor above 3,500 and a Hirsch-Index of 73. His areas of scientific interest in the whole field of Laboratory Medicine cover Lipid Metabolism, Biomarker research via Epidemiological and Clinical Studies, Metabolomics with the focus on NMR-spectroscopy, Biobanking, Quality Management & Assurance and measurement uncertainty.



M. Nauck



Thursday 25 May

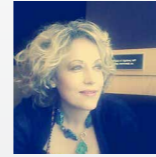
09:00-11:00

SYMPOSIUM 10 Biomarkers of liver diseases

- Do we need separate non-invasive test to assess nonalcoholic steatohepatitis for patients with and without Human Immunodeficiency Virus? – M. Lemoine (UK)
- What combination of non-invasive fibrosis tests should be used for the diagnosis of fibrosis in NAFLD / MAFLD? – J. Boursoer (France)
- Adipocytokines and liver diseases in 2023: where are we? C. Peralta (Spain)
- Two oral communications selected among participants' abstracts



J. Boursoer



C. Peralta

09:00-11:00

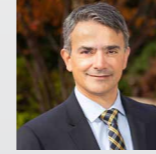
SYMPOSIUM 11 The role of clinical laboratory in kidney transplantation

Session chairs: J.-P. Cristol (France), A. Djamali (USA)

- Non-invasive biomarkers of kidney allograft injury: role of multimodality testing – A. Djamali (USA)
- Immunosuppressive drug Monitoring for a Personalized Therapy – P. Marquet (France)
- Kidney functions after transplantation: more than glomerular filtration rate – J.-P. Cristol (France)
- Two oral communications selected among participants' abstracts



J.-P. Cristol



A. Djamali



P. Masquet

09:00-11:00

SYMPOSIUM 12 Sources of interference in laboratory testing

Session chair: G. Dimeski (Australia)

- Biotin interference in laboratory testing – P.B. Kylee (USA)
- Troponin Interferences with current generation assays – G. Dimeski (Australia)
- Interferences in Immunoassays – K. Ghazal (France)
- Two oral communications selected among participants' abstracts



G. Dimeski



K. Ghazal

Thursday 25 May

09:00-11:00

SYMPOSIUM 13 Prenatal testing

Session chair: K. Spencer (UK)

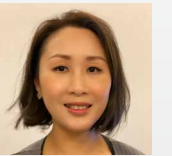
- First trimester Fetal Chromosomal Anomaly Screening K. Spencer (UK)
- EQA in prenatal testing and PAPP-A standardisation C. Sturgeon (UK)
- Risk assessment for pre-eclampsia throughout pregnancy L. Poon (Hong Kong)
- Two oral communications selected among participants' abstracts



K. Spencer



C. Sturgeon



L. Poon

09:00-11:00

SIBioC SYMPOSIUM Diagnostic workup of monoclonal gammopathies

Session chairs: M. Mussap (Italy), G. Palladini (Italy)

- Advances in monitoring and treatment of multiple myeloma F. Gay (Italy)
- Differential diagnosis of MGCS - speaker to be determined
- Circulating tumor cells and minimal residual disease in multiple myeloma - B. Paiva (Spain)
- Two oral communications selected among participants' abstracts

12:30-13:30

CLOSING CEREMONY

Closing remarks
IFCC President - K. Adeli
EFLM President - T. Ozben
SIBioC President - T. Trenti

Farewell Party

Thursday 25 May

11:30-12:30

PLENARY LECTURE

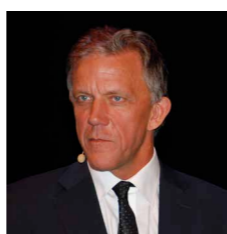
Diagnostic advances in dementia

K. Blennow (Sweden)

K. Blennow (Sweden)

Kaj Blennow is Professor and Academic Chair in Clinical Neurochemistry at University of Gothenburg, and Head of the Clinical Neurochemistry Lab at Sahlgrenska University Hospital, Gothenburg, Sweden. He has published more than 1700 original research papers and review articles in peer-reviewed journals, with more than 110.000 citations, and he has an H-index of 151.

His main research interest in CSF and blood biomarkers for Alzheimer's disease (AD) and other brain disorders, and the application of these to increase the understanding of AD pathophysiology, as well as for screening, diagnostics and in therapy monitoring in trials. He is President of the Society for CSF analysis and Clinical Neurochemistry and head of the Alzheimer's Association QC program for CSF and blood biomarkers.



K. Blennow



Pre Courses

20 May 2023 (Afternoon)
Rome, Italy

- Method verification and validation
- Introduction to Artificial intelligence Methods

21 May 2023 (morning)
Rome, Italy

- Research Methodology for young professionals in laboratory medicine
- Leadership in laboratory medicine

Satellite Meetings

18-19 May 2023
Naples, Italy

POCT: making the point - Second edition

19-20 May 2023
Rome, Italy

ICPLM

20-21 May 2023
Rome, Italy

Clinical mass spectrometry: validation and accreditation of IVD and Laboratory Developed Test (LDT) in the new Regulation EU 2017/746 era

Further information and the scientific programmes will be uploaded on the congress website <https://2023roma.org/>

Abstract Submission

Congress delegates are cordially invited to submit abstracts of their scientific work for presentation as a free communication at Worldlab-Euromedlab Roma 2023. An unlimited number of abstracts may be submitted provided the presenting author applies for "full registration". Abstracts are welcome in all fields of clinical chemistry, haematology, clinical molecular biology and laboratory medicine, in the broader sense. Free communications are primarily presented via poster. A limited number of abstracts will be selected for oral presentation during congress symposia. Authors wishing to compete for these oral communication slots should mark the appropriate field on the on-line abstract-submission form.

Abstract Topics

- Demand management
- Artificial intelligence
- MicroRNA
- Precision Medicine
- COVID-19
- Sepsis
- Laboratory Information Systems
- Autoimmune Diseases
- Preanalytical phase
- Traumatic brain injury
- Gastrointestinal diseases
- Kidney diseases and transplantation, urinalysis
- Sources of interference in laboratory testing
- Prenatal and neonatal testing
- Disorders of the bone metabolism and endocrine function of the bone
- Green laboratories
- Digital health, big data and smart technologies
- Dementia and neurological diseases
- Cardiovascular diseases and cardiac biomarkers
- Hematology and hemostasis
- Diabetes, obesity, metabolic syndrome
- Endocrinology
- Atherosclerosis and lipid metabolism
- Inflammation, vascular biology, endothelium, and oxidative stress
- Laboratory Management
- Accreditation, Quality Assurance
- Molecular diagnostics
- Analytical technologies and applications
- Tumor markers
- Miscellaneous

General Requirements and information

The text must be clear, concise, and written in proper English. The content must not have been previously published in academic journals or subject to peer review. Significant technical information must not be withheld. Abstracts must absolutely contain results. Statements such as "results will be discussed" are not acceptable and will lead to rejection.



Deadline for receipt

Abstracts should be submitted by 15th January 2023, 18:30 CET.



Confirmation of receipt

Receipt of the abstract will be acknowledged by e-mail immediately after submission.



Notification of acceptance or rejection

Authors will be notified of acceptance or rejection before 28th February 2023.



Registration

The presenting author of each abstract must register for the congress with "Full Registration".



How to prepare and submit an abstract

It is important to carefully follow the instructions below. Incorrectly prepared abstracts will be rejected.

- ✓ Abstracts should be prepared off-line in advance;
- ✓ Prepare your abstract on a word processor (such as Microsoft Word);
- ✓ Do not include title, authors' names and affiliations in the abstract file
- ✓ Tables and figures are not allowed;
- ✓ References are not allowed;
- ✓ When abbreviations are used, spell out the full word at first mention in the text followed by the abbreviation in parentheses. Thereafter, use the abbreviation throughout.

When the on-line system requires the abstract to be entered, copy and paste your text.

Abstracts are limited to 2300 characters, spaces included (title, authors' names and affiliations excluded). The system will automatically notify you if the abstract exceeds this number of characters. Title, author(s) and affiliation(s) must be added separately at the appropriate step.

IMPORTANT NOTICE

Abstract authors are asked to indicate the most suitable topic for presentation of their work and will also be asked whether they wish apply for an oral presentation during the scientific symposia.

In that case, authors must also select the symposium in which they would like to give their presentation.

Abstracts should be submitted via the on-line submission system only. Do not send in an abstract more than once!

**Submit your abstract at
<https://2023roma.org>**

Congress Venue

LA NUVOLO
ROMA CONVENTION GROUP
 Viale della Pittura, 50
 00144 Roma - Italy

HOW TO REACH THE CONGRESS VENUE

From Fiumicino Airport

A) Train Leonardo Express (direct to Roma Termini Railway Station) + Metro B line, direction Laurentina, stop "Eur Fermi-La Nuvola, Roma Convention Center".
 Duration: around 50-60 minutes.

B) Local train FL1, direction Orte, stop Ostiense + Metro B line from Piramide station, direction Laurentina, stop "Eur Fermi-La Nuvola, Roma Convention Center".
 Duration: around 50-60 minutes.

From Ciampino Airport

Bus 720 from Ciampino Airport to Laurentina Metro Station + Metro B line, direction Rebibbia or Jonio, stop "Eur Fermi- La Nuvola, Roma Convention Center".
 Duration: around 50-60 minutes.

From Termini Railway Station

Metro B line, direction Laurentina, stop "Eur Fermi- La Nuvola, Roma Convention Center".
 Duration: around 20 minutes.

From Tiburtina Railway Station

Metro B line, direction Laurentina, stop "Eur Fermi- La Nuvola, Roma Convention Center".
 Duration: around 35 minutes.

Schedules

Leonardo Express Train
 Departures every 30 minutes.

The first departure from Roma Termini is at 5:35 a.m. and from Fiumicino at 6:23 a.m.. The last departure from the airport is at 11:23 p.m. and from Roma Termini at 10:35 p.m..

FL1 local train

All information about this train available here.

Bus line 720

5:30 a.m.-11:30 p.m.
 Departures every 20 minutes

Metro line B

Sunday-Thursday: 5:30 a.m.-11:30 p.m.
 Friday-Saturday: 5:30 a.m.- 1:30 a.m.

Taxis

At railway stations and at airports, pay attention to take only the official taxis (white colour)!



General information

REGISTRATION DESK

The registration desk will be open during the congress as follows:

21 May 2023	11:00 - 19:00
22 May 2023	08:00 - 18:00
23 May 2023	08:00 - 18:00
24 May 2023	08:00 - 18:00
25 May 2023	08:30 - 14:00

CONGRESS LANGUAGE

The congress' official language is English.

NAME BADGE

A name badge will be required for access to the congress area. Participants will receive a name badge when they check in at the registration desk. It must be worn at all times.

INDUSTRY EXHIBITION

Participants are encouraged to visit the large industry exhibition, which will be open as follows:

22 May 2023	10:00 - 17:30
23 May 2023	10:00 - 17:30
24 May 2023	10:00 - 17:30

Access to the exhibition area is free of charge for participants registered to the congress.

All the other visitors will be given the possibility to print a free visitor badge in advance or to collect it at a dedicated desk situated at the entrance of the area.

CERTIFICATE OF ATTENDANCE

All properly registered attendees, for the day(s) they actually take part in the congress, will be entitled to receive a certificate of attendance.

VISAS REQUIREMENTS

Depending on the nationality of the delegates it may be necessary to obtain a visa before leaving.

We recommend asking your country's Italian Embassy or visiting the following website

<https://vistoperitalia.esteri.it/home/en>

PERSONAL INVITATION FOR VISA PURPOSES

An official letter of invitation will be sent to you upon request. The invitation letter may be used by visitors to raise travel funds or to obtain a visa, but is not a commitment on the part of the organisers to provide any financial support.

Please contact the Organising Secretariat, registrations@2023roma.org, to request a letter of invitation.

Registration Fees

All delegates must register for the congress. Registration fees are as follows:

	Until 31 March 2023	After 31 March 2023	On-site registration
Full Registration	€540,98 + 22% vat = €660,00	€688,52 + 22% vat = €840,00	€737,70 + 22% vat = €900,00
Young Registration (≤35 years)	€270,49 + 22% vat = €330,00	€368,85 + 22% vat = €450,00	€393,44 + 22% vat = €480,00
Day Registration	€245,90 + 22% vat = €300,00	€295,08 + 22% vat = €360,00	€344,26 + 22% vat = €420,00

The full registration and young registration fees include:

- entrance to plenary lectures, symposia, industry-sponsored workshops, poster sessions and exhibition
- possibility to submit abstracts
- certificate of attendance
- coffee and tea service during intermissions
- Opening Ceremony (Sunday, 21 May 2023)
- Closing Ceremony (Thursday, 25 May 2023)

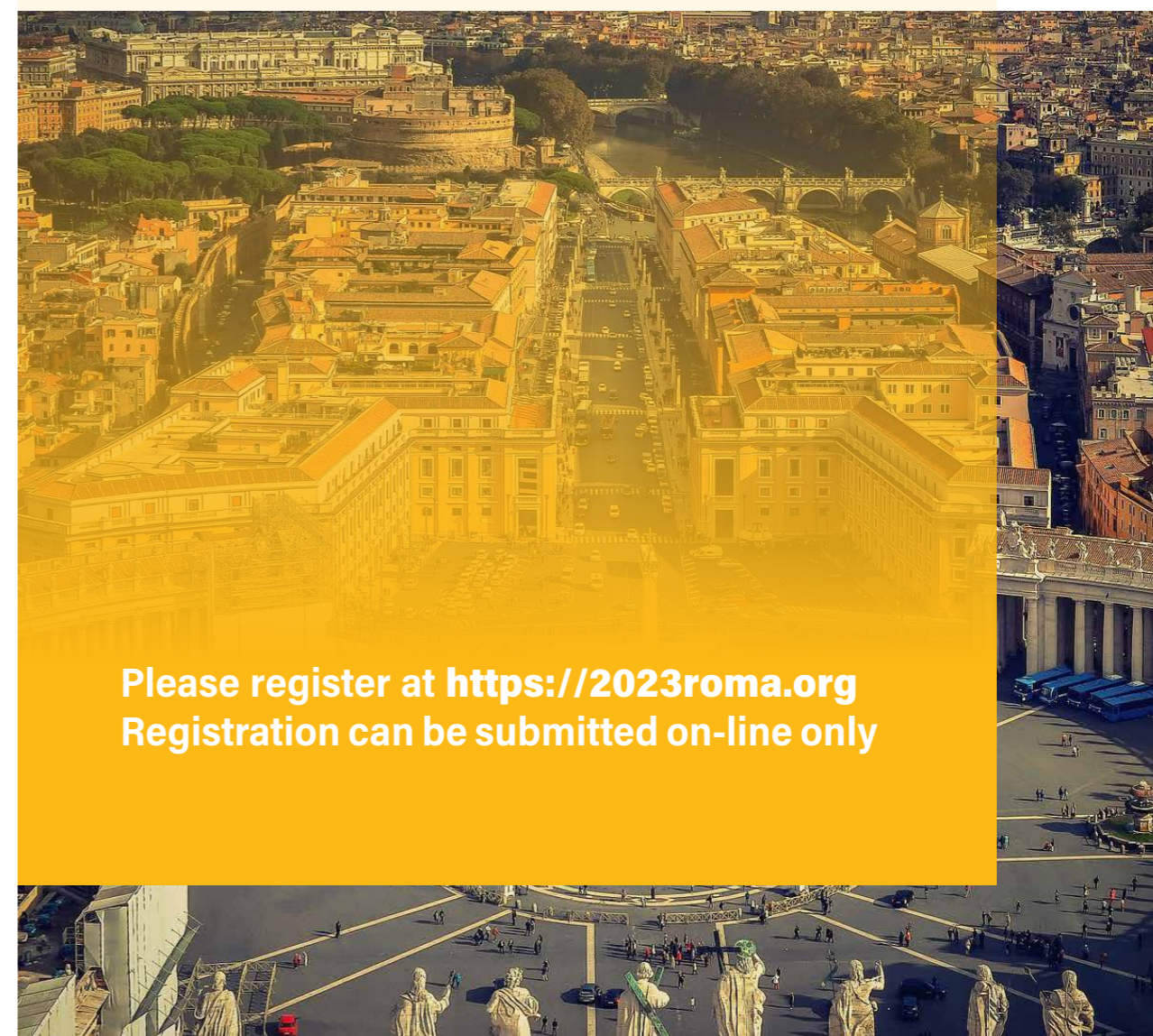
The day registration fee includes, for the day of registration only:

- entrance to plenary lectures, symposia, industry-sponsored workshops, poster sessions and exhibition
- certificate of attendance
- coffee and tea service during intermissions

Hotel Accommodation

KENES GROUP

Rue François-Versonnex 7
1207 Geneva | Switzerland
Phone: +41 22 908 0488 Ext 292
Email: aivanova@kenes.com
Attn: Ms. Anna Ivanova
Website: www.kenes.com



Please register at <https://2023roma.org>
Registration can be submitted on-line only

REMITTANCE

Registration fees shall be paid by credit card or bank transfer through the on-line system available on the congress web site. When paying by bank transfer, a copy of the transfer receipt must be sent to registrations@2023roma.org. Registrations without proof of payment will not be accepted. On-site registrations may be paid only by credit card or cash. Cheques will not be accepted. The organising secretariat will send registration receipt upon receipt of payment, via e-mail. Be sure your e-mail address is filled in correctly.

CANCELLATION AND REFUND

Cancellations must be sent in writing to registrations@2023roma.org. The amount equal to 80% of the fee paid will be refunded for cancellations received by 30 March 2023. Until 30 April, 2023 a refund of 50% of the fee will be granted. After 30 April 2023 no refunds will be issued. All refunds will be paid in euros after the congress.

CANCELLATION OF THE CONGRESS

The congress secretariat reserves the right to cancel the congress, shift venue, or change dates without notice, in case of "force majeure". Neither MZ Congressi nor the Congress Organising Committee shall be liable for any damage claims.

LIABILITY AND INSURANCE

Registration fees do not include the insurance of participants against personal accidents, sickness and cancellations by any party, theft, loss or damage to personal possessions. Participants are advised to take out adequate personal insurance to cover travel, accommodation, cancellation and personal effects.

CURRENCY

Registration fees and charges for all events related to the Worldlab-Euromedlab Roma 2023 Congress as well as hotel cost must be paid in euros.

Commettee

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CONGRESS SECRETARIAT

MZ Events s.r.l.

Via Carlo Farini 81
 20159 Milano (Italy)
 Phone: +39 02 66802323
 Fax: +39 02 6686699
 E-mail: info@2023roma.org

For information on any specific topic, please refer to the following e-mails:

General information:
info@2023roma.org

Abstracts & Posters (information only):
posters@2023roma.org

Companies:
companies@2023roma.org

Registrations:
registrations@2023roma.org

Scientific programme & speakers:
speakers@2023roma.org

Hotel reservation:
aivanova@kenes.com
 Attn: Ms. Anna Ivanova



**IFCC WORLDLAB
DUBAI 2024**
MAY 26-30

25th International Congress
of Clinical Chemistry and
Laboratory Medicine

17th Congress of Arab Federation
of Clinical Biology

10th Saudi Society for Clinical
Chemistry Annual Meeting

Venue
Dubai World
Trade Centre
(WTC)

DEADLINES

15 January 2024
Deadline for poster abstract submission

31 March 2024
Deadline for reduced registration fees



Sit down comfortably...
we will take care of all your events!



Organizing Secretariat
info@dubai2024.org



