

25<sup>TH</sup> INTERNATIONAL CONGRESS OF CLINICAL CHEMISTRY AND LABORATORY MEDICINE

25<sup>TH</sup> 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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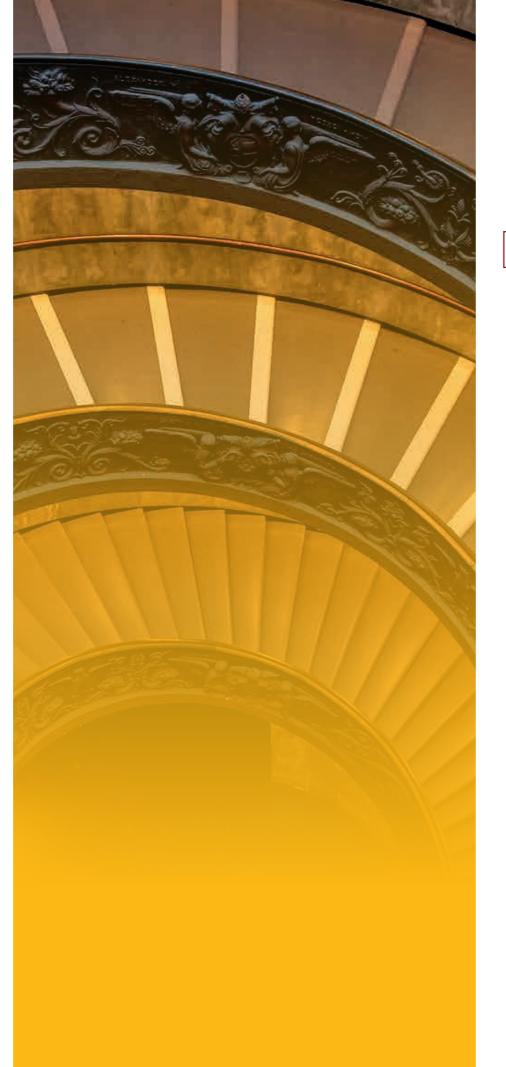
# **Dates** to focus on

January 15th, 2023

Deadline for poster abstract submission

March 31st, 2023

Deadline for reduced registration fees



## Welcome letter

t 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



## 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



## Welcome letter

ear Colleagues and Friends,
is 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

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.





## Welcome letter

ear 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.

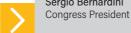
From this tragedy we learnt that nobody can be leave behind and that this is the main mission of IFCC that always has been the leader in developing evidence on the Value and impact of Laboratory Medicine in patient care and enhancing quality of clinical laboratory testing globally.

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





## Welcome letter

n 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

OPENING CEREMONY

# Monday 22 May

	LA NUVOLA	ROOM	ROOM <b>2</b>	ROOM 3	ROOM <b>4</b>	ROOM 5	ROOM <b>6</b>	
9.00 11.00		EFLM SYM	IFCC SYM	IFCC SYM	EFLM SYM	SIBIOC SYM	SYM 1	
11.00				BREAK				
11.30 12.30	PL1	PL1						
	POSTER SESSION - LUNCH 1							10.00-17.30
13.00 14.00		LUNCH WS 1	LUNCH WS 2	LUNCH WS 3	LUNCH WS 4	LUNCH WS 5		Exhibition open
14.30 15.30	14.30-16.30	EDUW 1	EDUW 2	EDUW 3	EDUW 4	EDUW 5	Meet the expert	
16.00 17.00	IFCC SYM	EDUW 6	EDUW 7	EDUW 8	EDUW 9	EDUW 10	Debate	
17.30								

# Tuesday 23 May

	LA NUVOLA	ROOM 1	ROOM <b>2</b>	ROOM 3	ROOM <b>4</b>	поом <b>5</b>	ROOM <b>6</b>	
9.00 11.00		SYM 2	IFCC SYM	SYM 3	SYM 4	SIBIOC SYM	SYM 5	
11.00				BREAK				
11.30 12.30	PL 2	PL 2						
	POSTER SESSION - LUNCH							10.00-17.30
13.00 14.00		LUNCH WS 6	LUNCH WS 7	LUNCH WS 8	LUNCH WS 9	LUNCH WS 10		Exhibition open
14.30 15.30	14.30-16.30	EDUW 11	EDUW 12	EDUW 13	EDUW 14	EDUW 15	Preanalytical Cases	
16.00 17.00	EFLM SYM	EDUW 16	EDUW 17	EDUW 18	EDUW 19	EDUW 20	Clinical Cases	
17.30								

**LEGEND** 

Plenary Lecture

Congress Symposium

**EDUW** Educational Workshop

# 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	
11.00			В	BREAK			
11.30 12.30	PL 3						
	POSTER SESSION - LUNCH						
13.00 14.00		LUNCH WS 11	LUNCH WS 12	LUNCH WS 13	LUNCH WS 14	LUNCH WS 15	Exhibition open
14.30 15.30	Clinical Cases	EDUW 21	EDUW 22	EDUW 23	EDUW 24	EDUW 25	
16.00 17.00	Clinical Cases	EDUW 26	EDUW 27	EDUW 28	EDUW 29	EDUW 30	
17.30							

# Thursday 25 May

	ROOM 1	ROOM <b>2</b>	ROOM 3	ROOM <b>4</b>	ROOM 5
9.00 11.00	SYM 10	SYM 11	SYM 12	SYM 13	SIBIOC SYM
11.00			BREAK		
	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.





# Monday 22 May

09:00-11:00

### **EFLM SYMPOSIUM**

# Inappropriate use of laboratory resources -Demand management tools and how to use

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

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 - M. Gmira (Morocco)
- The value of AI in the mobile health ecosystem N. Delvaux (Belgium)
- Two oral communications selected among participants' abstracts

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)







A.M. Simundio





M. Gmira













# 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



### **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



### 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





6. Buoro

G. Da Rin

G. Zini



G. D'Onofrio



M. Seghezzi

# 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 Cl. 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)









D. Kinniburah



12:30-13:00

**POSTER SESSION** 

14:30-15:30

### **MEET THE EXPERT**

## Infrared spectroscopy

S. De Bruyne (Belgium)

15:45-16:45

## The use of cardiac biomarkers in risk stratification

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





**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
- 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





M. Ciccozzi





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. Van der Poll

09:00-11:00

### **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







### ROMA 2023 15

# **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)



### SIBIOC SYMPOSIUM

### The challange 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



### **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





A. Haliassos





J. Zierk







A. Carobene





A -M. Simundic

M. Panteghini







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

- Evaluation 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

12:30-13:00

**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

Chairs: E. Cavallier (Belgium), K. Makris (Greece) Speakers: E. Cavallier (Belgium), M. Hermann (Germany)









S. Jovičić



J. Cadamuro



F. Cavalier



# 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











### 09:00-11:00

09:00-11:00

# **SYMPOSIUM 7**

**SYMPOSIUM 8** 

Confavreux (France)

(Netherlands)

abstracts

R. N. Jørgensen (Denmark)

### **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)

Bone as an endocrine organ

• Relation between bone and energy metabolisms - C.

- Sclerostin: from pathophysiology to laboratory determination -

• FGF23: clinical and laboratory perspectives - A. Heijboer

• Two oral communications selected among participants'

Session chair: E. Cavalier (Belgium)

· Laboratory Critical Results management -to be announced







A. Tikhonov



C. Imperiali







E. Cavalier





# 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



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

12:30-13:00

09:00-11:00

**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**

### **Neuroimmune Diseases**

J.A. Goodfellow (UK)

- "Brain on Fire": Neuroimmunology Case Study Based Discussion - B. Das (India)
- Technical laboratory and clinical challenges and opportunities around autoantibody testing in Neuroimmunology - J.A. Goodfellow (UK)

















G. Pugliese









# 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 biobaking, including all German University hopsitals 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





### 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

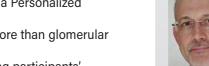




A. Djamali



P. Marquet





### **SYMPOSIUM 12**

### Sources of interference in laboratory testing Session chair: G. Dimeski (Australia)

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





P.B. Kyle



# **Thursday 25 May**

09:00-11:00

09:00-11:00

12:30-13:30

### **SYMPOSIUM 13**

### Prenatal testing

Session chair: G. Novelli (Italy)

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

Diagnostic workup of monoclonal

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

Advances in monitoring and treatment of multiple myeloma

• Differential diagnosis of MGCS - speaker to be determined

• Circulating tumor cells and minimal residual disease in

• Two oral communications selected among participants'









### **CLOSING CEREMONY**

SIBioC SYMPOSIUM

gammopathies

F. Gay (Italy)

abstracts

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

multiple myeloma - B. Paiva (Spain)

Farewell Cocktail



# 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.

### **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**

ongress 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, urinanalysis

- 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.



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



# How to prepare and submit an abstract

t 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 NUVOLA

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**

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

	Until 31 March 2023	After 31 March 2023	On-site registration
Full Registration	€660,00	€840,00	€900,00
	(€540,98 + 22% vat)	(€688,52 + 22% vat)	(€737,70 + 22% vat)
Young Registration	€30	€350,00	
(≤35 years)	(€245,90	(€286,88 + 22% vat)	
Day Registration	€300,00	€360,00	€420,00
	(€245,90 + 22% vat)	(€295,08 + 22% vat)	(€344,26 + 22% vat)

### 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

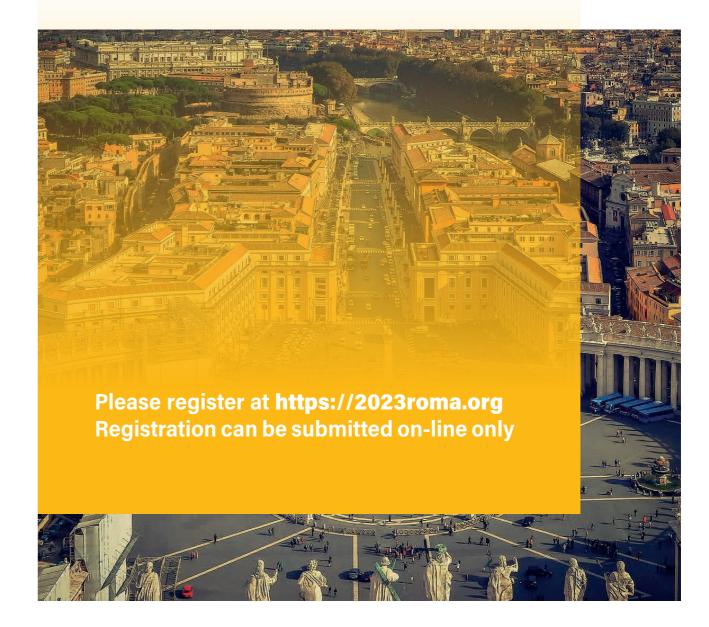
# Hotel **Accommodation**

### **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





### REMITTANCE

egistration 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**

ancellations 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**

he 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

egistration 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**

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

# **Committee**



# CONGRESS ORGANISING COMMITTEE

Sergio Bernardini, Congress President Khosrow Adeli, COC Chair Angel De La Fuente Maurizio Ferrari Joao Tiago Guimaraes Paivi Laitinen Stefano Montalbetti Tomris Ozben Ana-Maria Simundic Tommaso Trenti Tomas Zima



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Ana-Maria Simundic, SPC Chair Sergio Bernardini, Congress President Barnali Das Philippe Gillery Snezana Jovicic Konstantinos Makris



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Alicia Algeciras-Schimnich (Usa)



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(AFCC)
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Gavino Napolitano
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Anna Carobene
Roberta Rolla
Stefano Angelo Santini
Davide Farci Santarcangeli



# 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

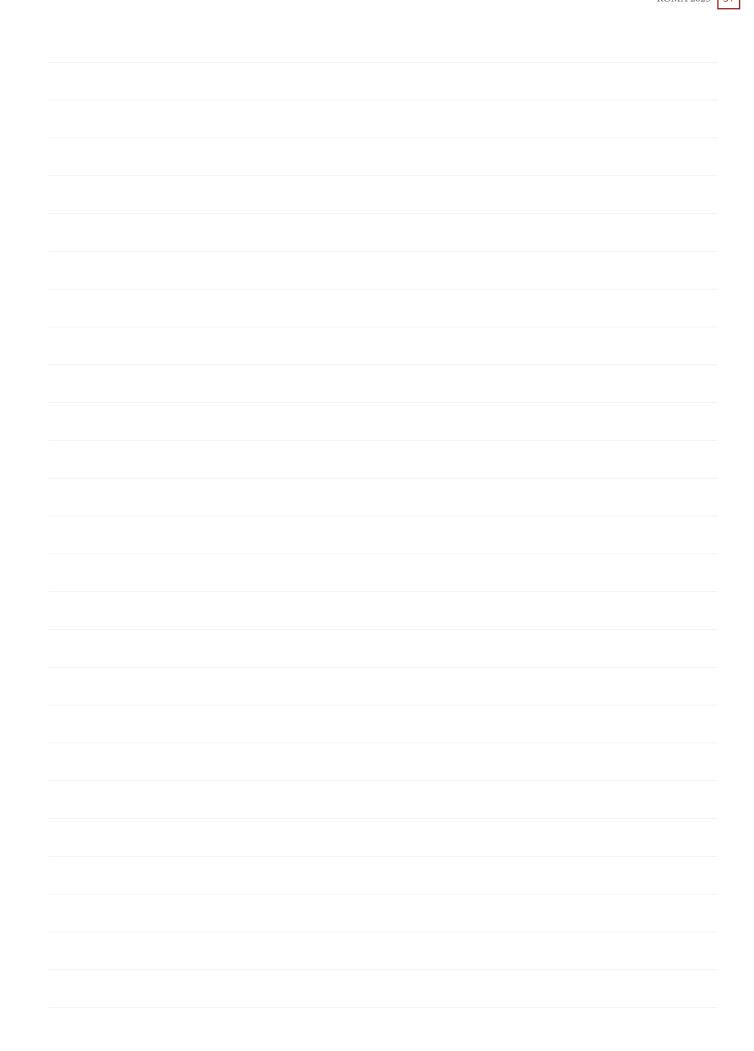
Abstracts & Posters (information only): posters@2023roma.org

Companies: companies@2023roma.org

Registrations: registrations@2023roma.org

Scientific programme & speakers: speakers@2023roma.org

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





26<sup>th</sup> International Congress of Clinical Chemistry and Laboratory Medicine

17<sup>th</sup> Congress of Arab Federation of Clinical Biology

10<sup>th</sup> Saudi Society for Clinical Chemistry Annual Meeting

**Venue**Dubai World
Trade Centre

Organizing Secretariat

info@dubai2024.org



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!











