



EUROPEAN FEDERATION OF CLINICAL CHEMISTRY
AND LABORATORY MEDICINE

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7th EFLM CONFERENCE ON PREANALYTICAL PHASE



12-13 DECEMBER 2025, PADOVA - IT

New insights in
preanalytical quality

Organizing and Scientific Committee

Mario Plebani, Italy - Chair

Giuseppe Lippi, Italy

Ana-Maria Simundic, Croatia

Alexander von Meyer, Germany

Under the auspices





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Welcome in Padova.

Since its first meeting in Parma in 2011, six editions of the EFLM Conference on Preanalytical Phase have been organized gathering more than 2500 participants in presence along the years.

The 7th edition of the EFLM Conference on Preanalytical Phase is focused on the improvement of the preanalytical phase through innovation and sustainable solutions. The program has been tailored by the scientific committee to update the knowledge in the field and to create an open forum for interactive discussion. In addition to formal lecturers, round tables and poster sessions will be organized

The guiding principle of this conference is to be different, pragmatic, practical and interactive, to address some most common preanalytical challenges, raise questions and offer answers and solutions.

Mario Plebani
Chair of the Organizing
and Scientific Committee

making a difference



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Programme

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8:45 – 9:00 Welcome and introduction, Mario Plebani (Italy)

[1 CPECS® credit]

Sustainability and preanalytical phase

Chairs: Alexander von Meyer (Germany), Snezana Jovicic (Serbia), Tomris Ozben (Türkiye)

9:00 – 9:20 “Greener” and more sustainable preanalytical phase, Sheri Scott (UK)

9:20 – 9:40 How can labs minimize patient blood loss?, Ana-Maria Simundic (Croatia)

9:40 – 10:00 Good patient blood management improves cost, patient outcome and sustainability, Michael Cornes (UK)

10:00 – 10:30 Coffee Break

[3 CPECS® credits]

The role of digitalization and AI in improving preanalytical phase

Chairs: Giuseppe Banfi (Italy), Tomas Zima (Czech Republic)

10:30 – 11:00 Value-score for clinical laboratories, Mario Plebani (Italy)

11:00 – 11:30 Patient related outcomes and cost of preanal errors, Giuseppe Lippi (Italy)

11:30 – 12:00 Digitalization and artificial intelligence in preanalytical phase, Andrea Padoan (Italy)

12:00 – 13:30 Lunch

13:30 – 14:00 Tube transportation: Benefits, Drawbacks and Monitoring, Janne Cadamuro (Austria)

14:00 – 14:30 Patient and sample identification and exact time of venous blood collection, Pieter Vermeersch (Belgium)

14:30 – 15:00 The role of AI in preanalytical phase – use cases, Hikmet Can Çubukçu (Türkiye)

[2 CPECS® credits]

Alternatives to classical venous blood collection

Chairs: Joao Tiago Guimares (Portugal), Klaus Peter Kohse (Germany)

15:00 – 15:30 Self-sampling benefits and challenges, Alvaro González (Spain)

15:30 – 16:00 The future of blood collection – robotic phlebotomy and other possibilities, Mads Nybo (Denmark)

16:00 – 16:30 Preanalytical challenges in decentralized laboratory testing, Gian Luca Salvagno (Italy)

16:30 – 17:00 Three Awards for the Best Selected Abstracts
Use of automation to reduce error in sample preparation, Eric Olson (USA)
Patient Identification Errors in POCT Glucose Testing: Frequency, Delays, and Hidden Burden, Min Yu (USA)
Pre-analytical stability of glucose and lactate in whole blood: an innovative closed-tube protocol reveals an early critical phase, Guillaume Grzych (France)

17:00 – 18:00 3 PARELLEL WORKSHOPS (see details on page 6)

[2 CPECS® credits]

Various preanalytical challenges – past, present and today

Chairs: Dalius Vitkus (Lithuania), Pilar Fernandez Calle (Spain)

9:00 – 9:30 Closing the Gap on Haemolysis, Sean Costelloe (Ireland)

9:30 – 10:00 Preanalytical phase in urine collection, Rosanna Falbo (Italy)

10:00 – 10:30 Sample stability – study design and reporting, Alexander von Meyer (Austria)

10:30 – 11:00 Liquid biopsy: preanalytical changes, Enrico Iaccino (Italy)

11:00 – 11:30 Coffee Break

[1,5 CPECS® credits]

Interactive session – let us talk about preanalytics

11:30 – 12:00 Roundtable: Pre-analytical challenges in anti-doping context
Discussants: Mario Plebani (Italy), Francesco Botrè (Italy), Giuseppe Banfi (Italy) Chair: Giuseppe Lippi (Italy)

12:00 – 13:00 Preanalytical cases – interactive session,
Chair: Ana-Maria Simundic (Croatia)
Discussants: S. Gunaydin (Türkiye), I. Vaskovic (Serbia), M. Jovanoski-Sreca (North Macedonia)

13:00 – 13:10 Closing remarks, Mario Plebani (Italy), Alex von Meyer (Germany)

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Parallel Workshops

WORKSHOP WERFEN – Sala Mantegna (plenary room) **Hemolysis in blood gas analysis: clinical evidence and new technological solutions**

Chairs: Gian Luca Salvagno (Italy), Matteo Vidali (Italy)

Clinical and epidemiologic impact of hemolysis in blood gas analysis, Gian Luca Salvagno (Italy)

Validation of GEM Premier 7000 for detection and management of hemolyzed samples, Laura Pighi (Italy)

WORKSHOP EOS – Sala Palladio (ground floor) **Total Preanalytical Automation: innovative solutions and impact on the patient's diagnostic pathway**

Preanalytical Errors and Their Impact on Clinical Outcomes: Evidence and Improvement Scenarios, Giuseppe Lippi (Italy)

Artificial Intelligence, Data Integration, and Value Generation in the Preanalytical Phase, Anna Carobene (Italy)

Total Process Automation: A New Frontier for Quality and Efficiency in the Clinical Laboratory, Antonio Antico (Italy)

TPA Portfolio introduction, Fabio Sgarabottolo (Italy)

WORKSHOP BECKMAN COULTER – Sala Petrarca (ground floor) **Connecting Industry and Laboratories to Overcome Preanalytical Barriers**

The workshop explores the transformative impact of automation tools on preanalytical quality in clinical laboratories. By bridging the gap between industry innovation and laboratory practice, the session will delve into how advanced technologies are reshaping preanalytical workflows.

Key topics include reducing human error, enhancing sample traceability, and streamlining operational efficiency. Participants will gain insights into how automation supports more accurate, timely, and reliable clinical decision-making elevating the standard of patient care.

Chairs: Andrea Bartolini (Italy), Francesca Panvini (Italy)

Effective preanalytical assessment in high volume laboratory network, Tommaso Fasano (Italy)

Automation thoughtfully applied: Prioritizing patients, not just samples, Tom Coulson (UK)

Q&A

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17.00

18.00



Conference venue

PADOVA CONGRESS

Via C. Goldoni, 8

35131 Padova, Italy

Well-connected to the main highways and very close to the train station, as well as within easy reach of the Venice Marco Polo International Airport, Padova Congress is in a strategic location, accessible to the main road junctions and within walking distance of the city center, a stunning showcase with its artistic and architectural treasures.

How to reach the venue: <https://www.padovacongress.it/en/informations/>

First Floor: Main Entrance, Registration and Exhibition Areas, Plenary Room Mantegna

Ground Floor: Cloakroom, Room Donatello, Workshops Rooms Palladio and Petrarca

Third Floor: Poster session

Secretariat Desk Onsite

The Secretariat Desk is open on December 12 from 08.00 till the end of the congress. You could collect your congress bag and your badge. You are kindly requested to wear your badge during the whole conference time.

Language

The official language is English. No simultaneous translation is provided.

Wi-Fi Connection

Wi-Fi connection is available in the whole building; please find GUEST on the network and digit password EFLM2025.

Certificate of Attendance

All registered attendees will receive the Attendance Certificate by email after the conference.

Registration Fees

EFLM Academy Members	EUR 180,00
Non-academy Members	EUR 250,00
Reduced registration fee for student/Young Scientists	EUR 100,00

Registration fees shall be paid **onsite** by credit card only.

The registration fee includes:

- Coffee breaks & lunch as indicated in the programme
- Certificate of Attendance



EFLM Continuing Professional Education Credit System – CPECS®

The EFLM CPECS® is an administrative system that provides a quality assurance mechanism for the accreditation of continuing education events based on high-quality continuing education content in laboratory medicine and relevant scientific topics. In those countries where a national crediting system is not in place, the CPECS® system can directly represent the system adopted at national level for the certification of the educational events and may recognize CPECS® credits on a voluntary basis.

The EFLM Preanalytical Phase Conference has been accredited to deliver CPECS® credits for participants.

Number: 2400000-4-0002

CPECS® credits: 9,5

Breakdown of credits

A maximum of 9,5 CPECS® credits can be awarded for the educational sessions of the EFLM Preanalytical Phase Conference.

- 12 December (9:00-17:00) - 6 CPECS® credits
- 13 December (9:00-13:00) - 3.5 CPECS® credits

Each delegate interested in getting the CPECS® credits must sign in and out on appropriate register at the Secretariat Desk for each day they attend.

Each participant must attend at least 75% of each session to get CPECS® credits. Once the congress is over, only delegates with 75% of attendance will receive a specific email with the evaluation questionnaire to fill in.

At the end of the whole process, the CPECS® certificate will be issued and sent to the entitled participants.

Poster area

The poster area is located on the third floor. A total of 228 posters will be on display throughout the entire conference, covering a broad range of pre-analytical topics, including:

Blood sampling
Hemolysis, icterus, and lipemia
Sample stability
Demand management
Pre-analytical case studies
POCT and preanalytics
Artificial intelligence in preanalytics
Errors in the pre-analytical phase
Innovations in blood collection
Self-sampling



ABSTRACTS

Full abstract texts have been published in the official EFLM journal *Clinical Chemistry and Laboratory Medicine*, and poster details are available by scanning the QR code.

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