



# XXXI Meeting of Balkan Clinical Laboratory Federation

## 35<sup>th</sup> National Biochemistry Congress

28 October - 1 November 2024

*Antalya, Türkiye*



## PROGRAM





## Data and Digitalization in Laboratory Processes

29<sup>th</sup> of October 2024 | 11:45-12:30

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**Speaker:**

**Dr. Öğr. Üyesi Habib ÖZDEMİR**

*TÜSEB, Türkiye Sağlık Veri Araştırmaları ve  
Yapay Zeka Uygulamaları Enstitüsü - İstanbul/Türkiye  
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## How Will You Register for CPECS® Credits

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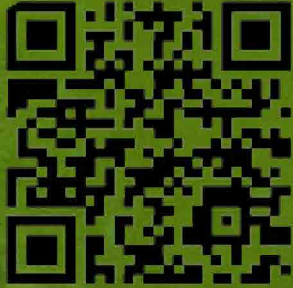
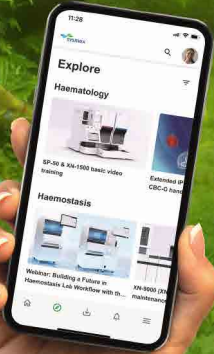
### Credit Breakdown

A maximum of 19.5 CPECS® credits can be earned for attending the educational sessions at the XXXIst Balkan Clinical Laboratory Federation Meeting and the 35<sup>th</sup> National Biochemistry Congress.

- ✔ 28 October: 2.0 CPECS® credits
- ✔ 29 October: 6.5 CPECS® credits
- ✔ 30 October: 6.5 CPECS® credits
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### October 28<sup>th</sup>, Monday

16:00-16:30

#### Opening Ceremony

*Doğan Yücel*

Lokman Hekim University, Türkiye  
President, Turkish Biochemical Society

*Dobrin Svinarov*

Medical University of Sofia, Bulgaria  
BCLF President

*Tomris Özben*

IFCC President, EFLM Immediate Past President  
Akdeniz University, Türkiye

*Tomáš Zima*

Charles University of Prague, Czechia  
EFLM President-Elect

16:30-17:15

#### Keynote 1

**Chair:** Doğan Yücel

#### Current and Future Advances and Challenges in Laboratory Medicine

*Tomris Özben*

IFCC President, EFLM Immediate Past President  
Akdeniz University, Türkiye

17:15-17:45

#### Coffee Break

17:45-18:30

#### Keynote 2

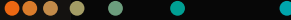
**Chair:** Ferhan Sağın

#### Alcohol - Epidemiology, Metabolism and its Clinical Consequences

*Tomáš Zima*

Charles University of Prague, Czechia  
EFLM President-Elect

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### October 29<sup>th</sup>, Tuesday

- 09:00-10:30 **Optimizing Analytical Accuracy: Integrating Biological Variation and Performance Specifications**  
**Chairs:** Abdurrahman Coşkun, Çiğdem Sönmez
- 09:00-09:30 **Understanding Biological Variation, Its Importance for the Laboratory and the Clinician**  
*Graham Jones*  
University of New England, Australia
- 09:30-10:00 **Analytical Performance Specifications: Moving from Models to Practical Recommendation**  
*Mauro Panteghini*  
Bydgoszcz Collegium Medicum, Nicolaus Copernicus University, Poland
- 10:00-10:30 **How Allowable Bias Becomes Part of Imprecision and What That Means for Your Laboratory**  
*Marc Thelen*  
Radboud University, the Netherlands
- 10:30-11:00 **Coffee Break** 
- 11:00-11:45 **Keynote 3**  
**Chair:** Sedef Yenice  
**Laboratory Medicine: Advancing Diagnostics and Data Analytics for Better Health for All**  
*Octavia M. Peck Palmer*  
University of Pittsburgh, USA
- 11:45-12:30 **Satellite Symposium**   
**Chair:** Oğuzhan Zengi  
**Data and Digitalization in Laboratory Processes**  
*Habib Özdemir*  
Türkiye Health Data Research and Artificial Intelligence Applications Institute
- 12:30-13:30 **Lunch Break** 
- 13:30-14:15 **Keynote 4**  
**Chair:** Muhittin Serdar  
**How EQA Can be Used to Study the Impact of Analytical Performance on Clinical Classification**  
*Marc Thelen*  
Radboud University, the Netherlands



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**October 29<sup>th</sup>, Tuesday**

- 14:15-15:45** **Data Analytics and Data Digitalization in Clinical Laboratory**  
**Chairs:** Süleyman Demir, Hülya Kılıç Yılmaz
- 14:15-14:40** **Moving Average as an Additional Quality Control Tool in the Medical Laboratory**  
*Vera Lukic*  
Railway Healthcare Institute, Serbia
- 14:40-15:05** **Digital Solutions for Quality Control and Verification Applications in Clinical Laboratory**  
*Hikmet Can Çubukçu*  
The Ministry of Health, Health Services General Directorate, Türkiye
- 15:05-15:30** **Evaluating Clinical Laboratory Analytical and Operational Data Using Open-Source Tools**  
*Deniz İlhan Topçu*  
İzmir City Hospital, Türkiye
- 15:30-15:45** **Organization, Standardization and Harmonization of Laboratory Medicine in Albania**  
*Anyla Bulo Kasneci*  
University Hospital Center "Mother Teresa", Albania
- 15:45-16:15** **Coffee Break** 
- 16:15-17:00** **Satellite Symposium**   
**Chair:** Mehmet Fatih Alpdemir  
"Recent update on educational recommendations from the IFCC Committee on Clinical Application of Cardiac Bio-Marker"  
*Kristin Moberg Aakre*  
University of Bergen, Norway



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**October 29<sup>th</sup>, Tuesday**

- 17:00-18:30** **Improvement of Quality and Patient Experience in Clinical Laboratory Management**  
**Chairs:** Mehmet Şeneş, Oytun Portakal
- 17:00-17:25** **Comprehensive Risk Management in Medical Laboratories: Leveraging Recent ISO Guidelines**  
*Soycan Mızrak*  
Uşak University, Türkiye
- 17:25-17:50** **How to Manage Patient and Clinician Experience to Improve Satisfaction with Clinical Laboratory Services**  
*Merve Sibel Güngören*  
Mamak Devlet Hastanesi, Türkiye
- 17:50-18:05** **Evaluation of Clinical Performance, Risk Likelihood and Diagnostic Sensitivity under ISO 15189/ EU-IVDR Requirements – Practical Example from a Romanian Flow Cytometry Department**  
*Mihaela Zlei*  
İRegional Institute of Oncology, Romania
- 18:05-18:20** **Specific IgE Testing and Current Food Allergy Status in General Population in Macedonia**  
*Verica Jakjimoska*  
City Hospital '8th September', Skopje, Macedonia
- 18:20-18:30** **Question / Answer**
- 21:00** **Social Evening**  
**Apollon Street (lower level)**



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### October 30<sup>th</sup>, Wednesday

- 09:00-10:30** **Diagnostic Techniques and Biomarkers in Hematology and Coagulation**  
**Chairs:** Ferruh Kemal İşman, Konca Altınkaynak
- 09:00-09:15** **Coagulation Markers in Non-Hodgkin Lymphoma**  
*Snezhana S. Stoencheva*  
Medical University of Plovdiv, Bulgaria
- 09:15-09:40** **D-Dimer Testing: Laboratory Aspects, Limitations, and Future Concepts**  
*Milena Velizarova*  
Medical University of Sofia, Bulgaria
- 09:40-10:05** **Advanced Clinical Parameters in Anemia Diagnostics**  
*Meltem Kilercik*  
Acıbadem University, Türkiye
- 10:05-10:30** **The Role of Mass Spectrometry in Clinical Medicine**  
*Dobrin Svinarov*  
Medical University of Sofia, Bulgaria  
BCLF President
- 10:30-11:00** **Coffee Break** 
- 11:00-11:45** **Keynote 5**  
**Chair:** Aylin Sepici Dinçel  
**Oxidative Stress in Type 2 Diabetes, Thyroid Disease, and Severe Psychiatric Disease: Focus on Nucleid Acid Metabolism**  
*Henrik Poulsen*  
University of Copenhagen, Denmark
- 11:45-12:30** **Satellite Symposium**   
**Chair:** Serkan Bolat  
**A Case Study Illustrating A Better Patient Health Care Journey**  
*Clare Weir*  
Sysmex Europe
- 12:30-13:30** **Lunch Break** 



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### October 30<sup>th</sup>, Wednesday

13:30-14:15

#### Satellite Symposium



**Chair:** Kamil Taha Uçar

#### Current Immunoassay Methods and Their Applications as Clinically Used Biomarkers of Cancer

*Tomris Özben*

IFCC President, EFLM Immediate Past President  
Akdeniz University, Türkiye

#### A Novel Solution for Immunoassay

*Sedat Abuşoğlu*

Selçuk University, Türkiye

14:15-15:00

#### Keynote 6

**Chair:** Ali Ünlü

#### Establishing, Evaluating, and Monitoring Analytical Quality in the Traceability Era

*Mauro Panteghini*

Bydgoszcz Collegium Medicum, Nicolaus Copernicus University, Poland

15:00-15:30

#### Coffee Break

15:30-17:00

#### Biomarkers and Metabolic Indicators

**Chairs:** Ahmet Kızıltunç, Berrin Berçik İnal

15:30-15:55

#### Inflammation, Oxidative Stress and PEW? - Morbidity and Mortality Triad in Hemodialysis Patients

*Tanja Antunovic*

Clinical Centre of Montenegro, Montenegro

15:55-16:20

#### Serum Cystatin C Levels: A Promising Early Biomarker of Chronic Kidney Disease in Pediatric Patients

*Olivera Jordanova*

University Children Hospital, Skopje, RoNM

16:20-16:35

#### Lipid Metabolism in Gestational Diabetes

*Jovana Stojic*

Medicus Lab, Bajina Bašta, Serbia

16:35-16:50

#### Current Vitamin D Status Among Pregnant Women in Republic Of North Macedonia

*Aleksandra Atanasova Boshku*

Ss. Cyril and Methodius University, Skopje RoNM

16:50-17:00

#### Question / Answer



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### October 30<sup>th</sup>, Wednesday

- 17:00-17:15 **Coffee Break** 
- 17:15-18:30 **Clinical Laboratory Workup for Metabolic Assessment**  
**Chairs:** Oğuzhan Özcan, Yeşim Güvenç Demirağcı
- 17:15-17:40 **Impact of Oxidized Low Density Lipoprotein (oxLDL) and Anti-oxLDL Antibodies on Cardiovascular Health**  
*Katerina Tosheska-Trajkovska*  
University Ss Cyril and Methodius, Faculty of Medicine, Republic of North Macedonia
- 17:40-17:55 **Triglyceride/glucose Index - A Practical Tool to Explore Changes in the Aminotransferase and Metabolic Control Parameter Ratios**  
*Radivoj Jadrić*  
University of Sarajevo, Bosnia and Herzegovina
- 17:55-18:10 **Myeloperoxidase Activity as an Indicator of Inflammation in Obesity and Metabolic Syndrome**  
*Dragana Puhalo Sladoje*  
University of East Sarajevo, Bosnia and Herzegovina
- 18:10-18:25 **MiR-122 as a Potential Biomarker for Type 2 Diabetes**  
*Ana Ninic*  
University of Belgrade, Serbia
- 18:25-18:30 **Question / Answer**
- 18:30-20:30 **BCLF Board Meeting (Sirius Room, upper floor)**  
*by invitation only*
- 19:00-20:30 **Tıbbi Laboratuvar Hizmetlerinin Geleceği**  
*İbrahim Karakuş*  
Head of Examination and Diagnostic Services Department, Ministry of Health, Ankara





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**October 31<sup>st</sup>, Thursday**

09:00-10:40

### **Integrative Approaches in Clinical Laboratory Medicine**

**Chairs:** Hilal Koçdor, Uğur Fahri Yürekli

09:00-09:25

### **Gut-Brain Axis in Patients with Multiple Sclerosis - Focus on Microbiota Metabolites**

*Adina Hutanu*

"George Emil Palade" University of Medicine, Romania

09:25-09:50

### **The Impact of the Trace Elements Status on Disease Severity in COVID-19 Patients - COVLAB Study**

*Tamer Bego*

University of Sarajevo, Bosnia and Herzegovina

09:50-10:15

### **Laboratory and Clinical Prognosis in Patients with Sepsis**

*Yana Bocheva*

University Hospital "St. Marina" Varna, Bulgaria

10:15-10:40

### **Sepsis Interrogation: Unlocking the power of Laboratory Medicine for Risk Stratification and Early Detection to Ensure Positive Patient Outcomes.**

*Octavia M. Peck Palmer*

University of Pittsburgh, USA

10:40-11:00

**Coffee Break** 

11:00-11:45

### **Keynote 7**

**Chair:** Güneş Özhan

### **Pharmacological Modulation of Oxidative Stress**

*Luciano Saso*


Sapienza University of Rome, Italy

11:45-12:30

### **Kicking off the FEBS 2025 Istanbul Congress**

**Special Preview Session for the International Scientific and Networking Opportunities**

12:30-14:00

**Lunch Break** 

14:00-16:10

### **Panel 8**

**Chairs:** Giray Bozkaya, Bağnu Orhan

14:00-14:25

### **Reference Intervals Based on Biological Variations**

*Abdurrahman Coşkun*

Acıbadem University, Türkiye



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**October 31<sup>st</sup>, Thursday**

- 14:25-14:50 **Navigating the New Regulatory Landscape for Laboratory Developed Tests**  
*Sedef Yenice*  
Florence Nightingale Hospital, İstanbul
- 14:50-15:15 **From MIRU-VNTR Genotyping to AI-assisted Prediction of Antimicrobial Resistance from Genomic Data, Our 15 Years of Experience**  
*Silva Tafaj*  
National Tuberculosis Reference Laboratory, Albania
- 15:15-15:30 **Medical Laboratory Professionals' Knowledge and Attitudes Toward Artificial Intelligence**  
*Helena Lame*  
University of Medicine, Tirana, Albania
- 15:30-15:55 **Procalcitonin and Serum Amyloid A as biomarkers of inflammation and infection**  
*Christos Tsatsanis*  
University of Crete, Greece
- 15:55-16:10 **Prevalence of CFTR mutations in the Mediterranean area: differences and similarities with neighboring populations**  
*Aikaterini Kalantidou*  
University of Crete, Greece
- 16:10-16:30 **Coffee Break** 
- 16:30-17:15 **Nazmi Özer Science Awards**
- 16:30-16:55 **2023 Nazmi Özer Science Award Winner Lecture**  
*Yagmur Azbazdar*  
University of California, USA
- 16:55-17:15 **Award Ceremony**  
- Nazmi Özer Science Award  
- FEBS Open Bio Poster Award  
- TJB Innovation Award  
- BCLF2024 Poster Award
- 17:15-17:30 **Closing Ceremony**



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### Exhibition

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### Exhibition





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## Oral Presentations

Session	Date	Time	Hall
Session 1	October 29 <sup>th</sup> , 2024	09:30-10:30	Hall B
Session 2	October 29 <sup>th</sup> , 2024	09:30-10:30	Hall C
Session 3	October 29 <sup>h</sup> , 2024	14:15-15:45	Hall B
Session 4	October 29 <sup>th</sup> , 2024	14:15-15:45	Hall C
Session 5	October 29 <sup>th</sup> , 2024	17:00-18:30	Hall B
Session 6	October 29 <sup>th</sup> , 2024	17:00-18:30	Hall C
Session 7	October 30 <sup>th</sup> , 2024	09:00-10:30	Hall B
Session 8	October 30 <sup>th</sup> , 2024	09:00-10:30	Hall C
Session 9	October 30 <sup>th</sup> , 2024	15:30-17:00	Hall B
Session 10	October 30 <sup>th</sup> , 2024	15:30-17:00	Hall C
Session 11	October 30 <sup>th</sup> , 2024	17:15-18:45	Hall B
Session 12	October 30 <sup>th</sup> , 2024	17:15-18:45	Hall C
Session 13	October 31 <sup>st</sup> , 2024	09:00-10:40	Hall B
Session 14	October 31 <sup>st</sup> , 2024	09:00-10:40	Hall C
Session 15	October 31 <sup>st</sup> , 2024	14:00-16:10	Hall B
Session 16	October 31 <sup>st</sup> , 2024	14:00-16:10	Hall C

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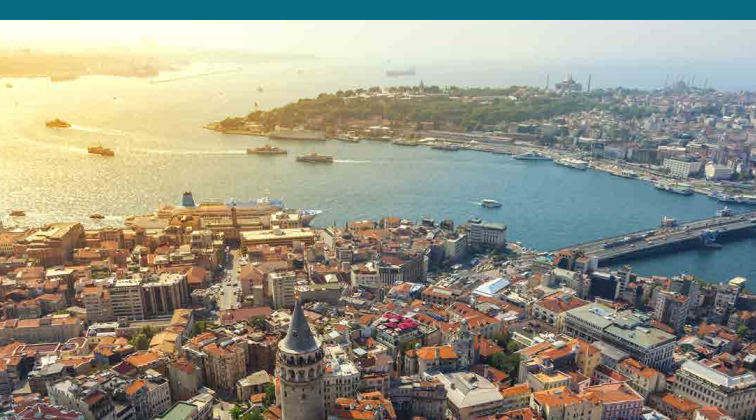


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