Abstract Submission is open until September 15th.

TBS International Biochemistry Congress 2023
34th National Biochemistry Congress of TBS
29 October - 1 November 2023
Liberty Lykia Hotel - Fethiye, Türkiye

Publish Your Full Manuscript!
All accepted and presented abstracts will be published in the Turkish Journal of Biochemistry supplement which is listed in SCE-E and many other indexes. Full manuscripts will be accepted.

Full Scientific Program in English!
Congress main scientific program will be presented in English and Turkish. All content will be simultaneously translated to English. Abstract presentations are accepted in both English and Turkish.

Registration Fees
€126 to €171

www.tbs2023.org
09:00-16:00  Workshops

17:00-17:45  Opening Ceremony
Doğan Yücel  
Turkish Biochemical Society President  
Lokman Hekim University, Türkiye
Tomris Özben  
EFLM President, IFCC President-Elect  
Akdeniz University, Türkiye

17:45-19:00  Opening Lecture
Subcellular Molecular Architecture as a Critical Determinant of Metabolic Programming
Gökhan Hotamışlıgil  
Harvard T.H. Chan School of Public Health, USA

20:00-23:30  100th Anniversary Celebration of the Turkish Republic
09:00 - 10:30  Biological Clocks and Chronobiology Panel
09:00-09:25  Rhythmic and Non-rhythmic Variations of Laboratory Measurands
            Abdurrahman Coşkun
            Acıbadem Mehmet Ali Aydınlar University, Türkiye
09:25-09:50  New Target "Circadian Rhythm" for Treatment of Various Diseases
            İbrahim Halil Kavaklı
            Koç University, Türkiye
09:50-10:15  Harnessing Biological Clock for Biotechnological Applications
            Nuri Öztürk
            Gebze Technical University, Türkiye
10:15-10:30  Q & A
10:45-11:15  Keynote Lecture 1
            Integrated Diagnostics: The Future of Laboratory Medicine
            Mario Plebani
            University of Padova, Italy
11:15-11:45  Coffee Break - Poster and Exhibition Area
11:45-13:15  New Therapeutic Approach to Pan-Cancer Treatment: Direct
            Telomer-Targeting Molecules and Immune Check Point Inhibitors
11:45-12:10  The Role of Immunotherapy in the Treatment of Lung Cancer from the
            Clinician's Perspective
            Saadettin Kılıçkap
            İstinye University, Türkiye
12:10-12:35  Targeting Immune Resistance in Lung Cancer
            Esra Akbay
            The University of Texas, USA
12:35-13:00  Telomerase-Driven Telomeric DNA Modification as Potential Broad
            Cancer Treatment Platform
            Sergei M. Gryaznov
            MAIA Biotechnology, USA
13:00-13:15  Q & A
13:15-14:30  Lunch Break
14:30-15:15  Satellite Symposium
15:15-16:00  **Keynote Lecture 2**  
**Implementation for Sustainable Practices in Medical Laboratories: Switching Clinical Laboratories to Green Labs**  
Tomris Özben  
EFLM President, IFCC President-Elect Akdeniz University, Türkiye

16:00-16:15  **Coffee Break - Poster and Exhibition Area** 🍵

16:15-17:00  **Keynote Lecture 3**  
**Current Advances in Clinical Application of Tumor Biomarkers: Utility, Challenge and Perspective**  
Qing H. Meng  
University of Texas, USA

20:00-23:00  **Forum 1**  
**Harmonization of Specialist Training in Türkiye and in the World: The TBS View**
09:00 - 10:30  Updates to Clinical and Medical Laboratory Guidelines and International Standards

09:00-09:25  Current Update of the IFCC Committee on Clinical Application of Cardiac Biomarkers Educational Recommendations
Kristin Moberg Aakre
University of Bergen, Norway

09:25-09:40  The Risks and Opportunities Presented by ISO 15189:2022 towards Achieving Continuous Improvement in Medical Laboratory Practices
Canan Karadağ
Eskişehir City Hospital, Türkiye

09:40-09:55  Charting the Path from Past Studies to a Visionary Future with the New Structure of the EFLM Quality and Regulation Committee
Hikmet Can Çubukçu
The Ministry of Health, Health Services General Directorate, Türkiye

09:55-10:10  Overview of Recent CLSI Guidelines: Enhancing Laboratory Medicine Practices
Sedef Yenice
Gayrettepe Florence Nightingale Hospital, Türkiye

10:10-10:30  Q & A

10:30-11:15  Keynote Lecture 4
Harmonizing The Post-Analytical Phase
Mario Plebani
University of Padova, Italy

11:15-11:45  Coffee Break - Poster and Exhibition Area

11:45-13:15  Integrative Approaches to Molecular Interactions and Drug Design

11:45-12:10  The Role of Protein-structure-function Relationship in Disease Pathogenesis in Autoimmune Diseases: Example of AS
Günseli Bayram Akçapınar
Acıbadem Mehmet Ali Aydınlar University, Türkiye

12:10-12:35  How AI Will Revolutionize Structure-based Drug Design
Ezgi Karaca
İzmir Biomedicine and Genome Center, Türkiye
12:35-13:00  The Bright Future of Structural Biology in Türkiye
Hasan Demirci
Koç University, Türkiye

13:00-13:15  Q & A

13:15-14:30  Lunch Break

14:30-15:15  Satellite Symposium

15:15-16:00  Keynote Lecture 5
How Milk Shapes Life: Multiomic Approaches for Understanding of Milk & Microbiome and Host Interactions
Sercan Karav
Çanakkale Onsekiz Mart University, Türkiye

16:00-16:30  Coffee Break - Poster and Exhibition Area

16:30-17:15  Satellite Symposium

17:15-18:45  Forum 2
Young Investigator Roadmap
Career Development for Young Scientist In Clinical Biochemistry and Laboratory Medicine
Qing H. Meng
University of Texas, USA

Establish Your Own Research - A Roadmap for Young Investigators
Kristin Moberg Aakre
University of Bergen, Norway
09:00 - 10:30  New Laboratory Techniques

09:00-09:25  Biochemical, Genetic and Phenotypic Characterization of Lysosomal Sulfatide Degradation Disorders
Asuman Özkara
Hacettepe University, Türkiye

09:25-09:50  Skin Barrier Ceramide Metabolism in Health and Disease
Roger Sandhoff
German Cancer Research Center, Germany

09:50-10:15  NMR in Clinical Laboratory Diagnostics: Lipoprotein Profile Analysis
Mustafa Serteser
Acıbadem Mehmet Ali Aydınlar University, Türkiye

10:15-10:30  Q & A

10:30-11:15  Keynote Lecture 6
My Journey into the Field of Sphingolipids and Sphingolipidosis
Konrad Sandoff
Bonn University, Germany

11:15-11:45  Coffee Break - Poster and Exhibition Area

11:45-13:15  Where Are We Going in Diagnosis, Follow-up and Treatment?: Current and Near Future

11:45-12:10  The Future of Medicine and Health Sciences: The Invasion of Engineering
Engin Ulukaya
İstinye University, Türkiye

12:10-13:10  Clinical Decision Tools in the New Era of Healthcare
Value of Clinical Laboratories in Clinical Decision Making
Merve Sibel Güngören
MedxThera Consultancy, Türkiye

Integrated Diagnostics Approach and Radiology
Ali Murat Koç
İzmir Katip Çelebi University, Türkiye

Clinical Decision Support Systems and Integrated Diagnostics
Deniz İlhan Topçu
HSU İzmir Tepecik Teaching and Research Hospital, Türkiye
Scientific Program

November 1st

13:00-13:15  Q & A
13:15-14:30  Lunch Break
14:30-15:15  Satellite Symposium
15:15-16:00  Keynote Lecture 7
  Secrets and Mysteries in the Preanalytical Phase
  Giusseppe Lippi
  University of Verona
16:00-16:30  Coffee Break - Poster and Exhibition Area
16:30-18:00  Nazmi Özer Science Awards and Closing Ceremony
  Science Award Winner's Presentation
  Award Ceremony
  - Nazmi Özer Science Award
  - FEBS Open Bio Poster Award
  - TJB Innovation Award
  - TBS2023 Poster Award
  Closing Ceremony
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Discover Lycian Way and More...
Lycia flourished in Anatolia between 1,500 BC to 546 BC in the Lycia peninsula. The famous Lycian Way spans around 520 kilometers, heading north in Anatolia and is widely accepted to be one of the best long-distance hiking trails in the world. We will offer a short version of the Lycian Way Hiking experience during the congress, but of course you are welcome to extend your stay and explore for yourself.

The location is also famous for para-gliding activities and the 22nd International Oludeniz Air Games will coincide with the 100th anniversary of Republic of Türkiye celebrations and the congress dates. Don’t miss to watch the sky filled with para-gliders, and even join them!