

18 December 2023 - Monday	
09:30 – 10:30	PROTOCOL - OPENING SECTION - Zeybek Ümit - Congress President, Head of Turkish Molecular Medicine Association - Deniz Günnur - Istanbul, University Director of Aziz Sancar Institute of Experimental Medicine - Zülfikar Bülent - Istanbul University Rector, Congress Honorary President
10:45 - 11:30	OPENING LECTURE Moderators: Yücel Doğan, Girgin Sağın Ferhan - Özben Tomris Integrated Diagnostics: Evidence Based Therapy Guidance in Oncology from Tumor Markers to Liquid Biopsy and Imaging
11:45 – 13:15	Panel 1 GENÇ ARAŞTIRMACILARIN AKADEMİK YOLUNDA REHBER İPUÇLARI (Guiding Tips for Young Researchers in Their Academic Journey) Moderators: İsbir Turgay, Girgin Sağın Ferhan - Gürdöl Figen Ayın Karanlık Yüzü: Sıradışı Yayınlar (Dark Side of the Moon: Extraordinary Publications) - Güner Akdoğan Gül Orpheus ve Doktora Öğrenciliği (Orpheus and PhD Studentship) - Tanrıöver Gamze Tubitak Projesi Hazırlarken Dikkat Edilmesi Gereken Noktalar Nelerdir? (What are the points to be considered when preparing a Tubitak Project?)
13:30 – 14:15	KEYNOTE LECTURE Moderators: Güner Akdoğan Gül, Yaylım İlhan - Saso Luciano Pharmacological Modulation of Oxidative Stress

14:30 – 16:00	<p style="text-align: center;">Panel 2 CURRENT APPROACHES TO AUTOIMMUNE DISEASES FROM AN IMMUNOLOGICAL PERSPECTIVES</p> <p style="text-align: center;">Moderators: Özdemir Alper, Zeybek Ümit</p> <ul style="list-style-type: none"> - Özdemir Alper Tunga CAR-T Cell Approaches in The Treatment of Autoimmune Diseases - Özdemir Bilge Alterations of Costimulatory Molecule Expressions of Mesenchymal Stem Cells That Preconditioned With IFN-gama, IL-4 and IL-10 - Öztatlıcı Mustafa Immunomodulatory Effects of Exosomes
16:15 – 18:45	<p style="text-align: center;">Panel 3 MOLECULAR APPROACHES TO DIFFERENT CELL DEATH MECHANISMS IN DISEASES</p> <p style="text-align: center;">Moderators: Turna Akif, Koçdor Hilal</p> <ul style="list-style-type: none"> - Gözüaçık Devrim, Autophagy and Cancer - Özel İshak Dark Side of Immune Aging and Inflammaging - Armağan Güliz Targeting Ferroptosis as a Therapeutic Approach - Alturfan Ebru Işık Endocrine Disrupting Chemical Exposure During Embryogenesis, Our Experiences in Zebrafish Embryos - Soysal Yasemin Epigenetics and Nutrition
19:00 – 19:45	<p style="text-align: center;">KEYNOTE LECTURE</p> <p style="text-align: center;">Moderators: Ulukaya Engin, Ülker Çakır Dilek</p> <ul style="list-style-type: none"> - Özpolat Bülent Development of Innovative microRNA Therapeutics for Solid Cancers

19 December 2023 - Tuesday	
08:30 – 10:30	<p style="text-align: center;">Panel 4 CELLULAR AND BIOCHEMICAL CURRENT APPROACHES TO AUTOIMMUN AND DEGENERATIVE DISEASES</p> <p style="text-align: center;">Moderators: Tunalı Akbay Tuba, Cengiz Mújgan</p> <ul style="list-style-type: none"> - Akkoç Tunç Otoimmunity and Cellular Therapies - Ulusu Nuray Biochemical Approaches to Amyotrophic Lateral Sclerosis - Attar Rukset Current Approaches to Etiopathogenesis of Endometriosis - Aslan Mutay Neurological Biomarkers Following Liver and Kidney Transplantation
10.45 – 12:15	<p style="text-align: center;">Panel 5 NEW CANDIDATE PANELS FOR PRECISION MEDICINE AND DRUG RESISTANCE IN CANCER</p> <p style="text-align: center;">Moderators: Demokan Semra, Tanrıöver Gamze</p> <ul style="list-style-type: none"> - Aktaş Safiye Use of Pancancer Panel in NGS for Precision Medicine - Altun Zekiye Exosomes and Drug Resistance in Cancer (OK) - Demokan Semra Current Developments That May Change The Clinic in Epigenetic-based Biomarker Panel Studies in Cancer
	<p>SATALLITE PANEL</p> <ul style="list-style-type: none"> - Next Generation Near Patient Molecular Testing, Dr. Gaye Tanrıöver (BioeXsen GmbH)
13:15 – 15:15	<p style="text-align: center;">Panel 6 NOVEL DEEP LEARNING APPLICATIONS AND NOVEL NANOTECHNOLOGICAL APPROACHES TO DISEASES</p> <p style="text-align: center;">Moderators: İşlekel Hüray, Öztürk Melek</p> <ul style="list-style-type: none"> - Durdağı Serdar MOL2DRUG: Development and Pretesting of a Deep Learning QSAR-Based Mobile Application on Prediction of Biological Activity and Toxicity of a Molecule from Provided Image - Kaya Mehmet . The Role of Blood-brain Barrier For Treatment of Neurodegenerative Diseases:Novel Nanotechnological Approaches - Baysan Mehmet Facilitating Sequencing Analyzes and Evaluating Accuracy Rates -Çakmak Ali Mutation Wars: Vaccines vs. Viruses

<p>15:30 – 17:00</p>	<p style="text-align: center;">Panel 7 FORENSIC SCIENCES</p> <p style="text-align: center;">Moderators: Yükselođlu Hülya, Küçüküseyin Özlem</p> <ul style="list-style-type: none"> - Tarı Cömert İtir Mental Health and Psychology Practices from The Perspective of Forensic Social Sciences - Kalfođlu Sotiri Forensics in Action: Crime Scene - Ebedi Meryem From Genes to Justice: Molecular Pathology's Role in Forensic Sciences
<p>17:15 – 19:15</p>	<p style="text-align: center;">Panel 8 RECENT DEVELOPMENTS IN DIABETES, SLE AND MICROBIOTA MODULATION</p> <p style="text-align: center;">Moderators: Gürol Ali Osman, İşbilen Başok Banu</p> <ul style="list-style-type: none"> - Bezirtzoglou Eugenia Functional Dairy Foods and Microbiota Modulation - Danilova İrina Hepatic Insulin Synthesis Increases in Rat Models of Diabetes Mellitus Type 1 and 2 Differently - Tsigalou Christina The Contribution of The Immunology Laboratory in The Diagnosis of SLE - Aydın Özgür Burçin What Are The Effects of Th Cell Subgroups in Type 1 Diabetes?

20 December 2023 - Wednesday	
08:45 – 10:45	<p style="text-align: center;">Panel 9 NEW THERAPEUTIC APPROACHES TO DISEASES</p> <p style="text-align: center;">Moderators: Sepici Dinçel Aylin, Hepokur Ceylan</p> <ul style="list-style-type: none"> - Al-Zoubi Mazhar Genetic Bases If Men Infertility in the Jordanian Population - Açılan Ayhan Ceyda Targeting the Enemy: Precision Approaches - Tutar Yusuf Characterization of Anticancer Properties of Quinoxalinone-thiazole Hybrid Structures - Farooqi Ammad Ahmad Diametrically Opposed Role of PI3K/AKT Signaling and Apoptosis in Carcinogenesis and Metastasis
11:00 – 12:30	<p style="text-align: center;">Panel 10 GENETICAL VIEW TO SPORTIVE PERFORMANCE</p> <p style="text-align: center;">Moderators: Kayhan Fatih</p> <ul style="list-style-type: none"> - Bıyıklı Türker The Importance of Genetic Data in Sports Performance - Tutkun Erkut Is My Child Talented? New Approaches to Talent Discovery - Ersöz Gözde Molecular Mechanisms Affecting Exercise and Brain Functions
SATALLITE PANEL	
13:15 – 15:15	<p style="text-align: center;">Panel 11 NUTRITIONAL EFFECTS ON EPIGENETIC REGULATION</p> <p style="text-align: center;">Moderators: Meral Gülsen, Timirci Kahraman Özlem</p> <ul style="list-style-type: none"> - Bassiouny Ahmad Molecular Study on Nanocurcumin Effect on Formalin-induced Pain in Rat Model - Aslan Elif Sibel Harmony in Hashimoto's: Exploring the Epigenetic Influence of Nutrition - Meral Gülsen Is Vitamin D Deficiency Genetic or Epigenetic? - Yılmaz İlker

<p>15:30 – 17:30</p>	<p style="text-align: center;">Panel 12 A VIEW OF CURRENT CLINICAL, GENETICAL AND IMMUNOLOGICAL APPROACHES TO CANCER</p> <p style="text-align: center;">Moderators: Kumar Shant, Koçtürk Semra</p> <ul style="list-style-type: none"> - Jhanwar Suresh Cancer Genomics in Translational Research and Precision Medicine: A Brief Overview of Current Status and Future Prospects - Turna Akif Enhancing Anti-tumor Immunity Against Lung Cancer by Surgery - Ulukaya Engin Dying of Cancer Cells Feeds The Others to Create More Supressive Tumor - Alhudiri Inas Establishing a Biobank- a Libyan Perspective
<p>17:45 – 19:45</p>	<p style="text-align: center;">Panel 13 RECENT DIFFERENT PERSPECTIVES IN CLINICAL AND LABORATORY INVESTIGATIONS</p> <p style="text-align: center;">Moderators: Yerer Mükerrerem Betül, Karakuş Selcan</p> <ul style="list-style-type: none"> - Üresin Yağız New Generation Clinical Research - Attar Erkut Quantum Biology - Soomro Razium Ali MXene and their composites for Electrochemical Devices - Görmüş DeGrigo Uzay Laboratories in The Technology Universe
<p>20:00</p>	<ul style="list-style-type: none"> - Closing and Award Ceremony