

# X. International Congress of Molecular Medicine

23-27 September 2024  
Çeşme-İzmir



[molmedcongress2024.com](http://molmedcongress2024.com)



## 24 September 2024 - Tuesday

10:30 – 11:30	<b>PROTOCOL</b>
	- <b>Ümit Zeybek</b> - Congress President, Head of Turkish Molecular Medicine Association - <b>Kenan Türkdöğän</b> - Rector, Alanya Alaaddin Keykubat University - <b>Yusuf Baran</b> - Rector, İzmir Institute of Technology, Congress Honorary President
	<b>WELCOME NOTE</b> - <b>Yusuf Baran</b> Molecular Mechanisms of Drug Resistance
11:30 - 12:15	<b>PLENARY LECTURE</b> <b>Moderators: Bülent Özpolat</b>
	- <b>Mustafa Djamgöz</b> - Online Cancer Neuroscience - A New Discipline in Oncology
13:00 – 15:00	<b>Panel 1: RNA Biology in Health and Diseases</b> <b>Moderators: Alper Tunga Özdemir</b>
	- <b>Alper Tunga Özdemir</b> Chimeric Antigen Receptor (CAR) Approaches in Autoimmune Diseases
	- <b>Bilge Özdemir</b> Mesenchymal Stem Cell Experiences in the Clinic
	- <b>Mustafa Diken</b> - Online mRNA-based Cancer Vaccines
	- <b>Elif Diken</b> - Online Single-Cell Insights into Immunotherapy Efficacy and Mechanisms
15:15 – 16:00	<b>KEYNOTE LECTURE</b> <b>Moderators: Akif Turna</b>
	- <b>Suresh C. Jhanwar</b> - Online Cancer Genomics in Translational Research and Precision Medicine: A Brief Overview of Current Status and Future Prospects
16:15 – 18:15	<b>Panel 2: Health Informatics (Bioinformatics) &amp; Artificial Intelligence in Health</b> <b>Moderators: Mükerrerem Betül Yerer Aycan, Tunç Akkoç</b>
	- <b>Akif Turna</b> AI in Thoracic Surgery
	- <b>Mehmet Baysan</b> Systematic Analysis of Genetic Variant Identification and Pathogenicity Prediction
	- <b>Uzay Görmüş DeGrigo</b> - Online The Fundamentals and Sustainability of Future Science in the Medical and Research Laboratories
	- <b>Ceyda Açılan Ayhan</b> Epidrug Screening Identifies Type I PRMT Inhibitors as Modulators of Lysosomal Exocytosis and Drug Sensitivity in Cancers

## 25 September 2024 - Wednesday

<b>09:30 – 10:15</b>	<p style="text-align: center;"><b>KEYNOTE LECTURE</b></p> <p style="text-align: center;"><b>Moderators: Gül Güner Akdoğan</b></p> <p>- <b>Luciano Saso</b> Pharmacological Modulation of NRF2</p>
<b>10.30 – 12:30</b>	<p style="text-align: center;"><b>Panel 3: Advances in Natural Product Biochemistry: in Terms of Basic and Clinical Perspective and Nanomedicine</b></p> <p style="text-align: center;"><b>Moderators: İlhan Yaylım, Ammad Ahmad Farooqi</b></p> <p>- <b>Ammad Ahmad Farooqi</b> Targeting of Oncogenic Pathways by Natural Products: Underlying Mechanisms and Proof-of-Concept Animal Model Studies</p> <p>- <b>Suna Timur</b> In-Vitro Diagnostics and Nanomedicine</p> <p>- <b>Mükerrem Betül Yerer Aycan</b> Nano solutions for Big Problems: Targeted Drug Delivery Systems</p> <p>- <b>Burcu Okutucu</b> Biopolymer Based Nanoparticles for Metabolic Diseases</p>
<b>13:00 – 15:30</b>	<p style="text-align: center;"><b>Panel 4: Molecular Cancer Medicine; Past &amp; Present, and Future Prospects and Medical Solutions</b></p> <p style="text-align: center;"><b>Moderators: Hilal Koçdor, Zekiye S. Altun</b></p> <p>- <b>Figen Zihnioğlu</b> Multifunctional Bioactive Peptides for Cancer Diagnosis and Therapy</p> <p>- <b>Safiye Aktaş <span style="background-color: #90EE90;">Online</span></b> Fusion Analyzes and Clinical Significance in Next-Generation Sequencing in Tumor Tissue</p> <p>- <b>Güliz Armağan</b> A Novel Approach to Drug Resistance in Cancer: Ferroptosis</p> <p>- <b>Yasemin Soysal</b> Wound Age Determination in the Perspective of Forensic Biology</p> <p>- <b>Özkan Doğanay</b> New Insight into Lung Function Using Novel Contrast MR: from Anatomical to Molecular Imaging</p>
<b>15:45 – 17:45</b>	<p style="text-align: center;"><b>Panel 5: Cell Signalling and Metabolism: New Trends in Basic and Clinical Approaches</b></p> <p style="text-align: center;"><b>Moderators: Nuray Ulusu, Özlem Timirci Kahraman</b></p> <p>- <b>Aylin Sepici Dinçel</b> Osteoporosis Treatment via Wnt Signalling Pathway</p> <p>- <b>Mutay Aslan</b> Plasma Sphingolipidomic Profile in Insulin Resistance and Diabetic Dyslipidemia</p> <p>- <b>Tunç Akkoç</b> Cancer Immunotherapy and CarT Cell</p> <p>- <b>Nihal Karakaş</b> Stem Cell Treatment Approaches for Covid19 and Possible Viral Pandemics</p>

## 26 September 2024 - Thursday

10:00 – 10:45	<p><b>KEYNOTE LECTURE</b></p> <p><b>Moderators: Engin Ulukaya</b></p> <p>- <b>Bülent Özpolat</b> Development of Novel Targeted Therapies for Solid Cancers</p>
11:00 – 12:30	<p><b>Panel 6: Nutrition and Molecular Medicine</b></p> <p><b>Moderators: Ali Osman Gürol, Gülsen Meral</b></p> <p>- <b>Eugenia Bezirtzoglou</b> Functional Dairy Foods and Microbiota Modulation</p> <p>- <b>Irina Danilova - Online</b> Beta-cells in Diabetes: New Look at the Old Problem</p> <p>- <b>Christina Tsigalou</b> Mediterranean Dietary Patterns and Immunonutrition as Potential Intervention upon Gut Microbiome in IBD. Wishful Thinking or a Vision of the Future?</p>
13:00 – 15:30	<p><b>Panel 7: Molecular Aspects in Forensic Sciences</b></p> <p><b>Moderators: Emel Hülya Yükseloğlu, Mutay Aslan</b></p> <p>- <b>Itır Tari Cömert</b> Genetic Signatures: Revealing Insights into Criminal Profiling and Violence</p> <p>- <b>Ceren Özbaşaran Tan</b> The Psychological Impact of Genetic Testing</p> <p>- <b>Meryem Ebedi</b> Exploring Addiction, Violence, and Genetic Insights in Forensic Science</p> <p>- <b>Nazlı Hölümen</b> Celebrating Uniqueness: The Power of Forensic Genetics in Individual Identification</p> <p>- <b>Ömer Karataş</b> Unveiling the Genetic Code: Exploring Forensic Science at the DNA Level</p>
15:45 – 17:15	<p><b>Panel 8: Anti-Cancer Therapies; Cilinical and Molecular Approaches</b></p> <p><b>Moderators: Banu İşbilen Başok, Aylin Sepici Dinçel</b></p> <p>- <b>Engin Ulukaya</b> Critical Considerations for Preclinical Evaluation of Newly Synthesized Anticancer Compounds</p> <p>- <b>Metin Kurtoğlu - Online</b> Advanced Therapeutic Medicinal Product: Advantages and Disadvantages</p> <p>- <b>Nuray Ulusu</b> Metabolic Plasticity &amp; Dormant Status of Cancer Cells</p>

27 September 2024 - Friday

<p>09:30 – 10:15</p>	<p><b>KEYNOTE LECTURE</b></p> <p><b>Moderators: Semra Demokan</b></p> <p>- <b>Ahmad R. Bassiouny</b> Role of Long- noncoding RNA in Cancer and Neurodegenerative Diseases</p>
<p>10:30 – 12:30</p>	<p><b>Panel 9: Biomarkers: Recent Hallmarks</b></p> <p><b>Moderators: Banu İşbilen Başok, Canan Cacina</b></p> <p>- <b>Bünyamin Akgül</b> Long Non-coding RNAs in Cell Death and Survival</p> <p>- <b>Duygu Aydemir</b> Impact of the Metabolic Targets on the Cancer Treatment Regarding with Novel Cancer Death Pathways</p> <p>- <b>Yunus Akkoç</b> The Role of Autophagy in Tumor Microenvironment</p>
<p>12:30 - 14:00</p>	<p><b>Closing and Award Ceremony</b></p>