

# 5<sup>th</sup> LIFE SCIENCES CONGRESS



Acibadem University  
Kerem Aydınlar Campus  
Conference Hall



April 18th - 19th 2026



09.00 - 19.00



# 5TH LIFE SCIENCES CONGRESS SCHEDULE

APRIL 18 OFFICIAL PROGRAM

**08.00 - 09.00 : Registration**

**09.00 - 09.20 : Opening Remarks**

## PRECISION IMMUNOLOGY, TARGET-BASED THERAPIES AND IMMUNE ENGINEERING

**09.20 - 10.20 : Keynote - Prof. Dr. Béla Melegh, University of Pécs**

*Rare diseases: Challenges and rewards in future research, diagnostics, and therapy*

 **COFFEE BREAK**

**10.40 - 11.20 : Invited Speaker - Prof. Dr. Mayda Gürsel, İzmir Biomedicine and Genome Center**

*Vaccine development against bacterial and parasitic diseases*

**11.20 - 12.00 : Invited Speaker - Prof. Dr. İhsan Gürsel, İzmir Biomedicine and Genome Center**

*Immunomodulatory applications of Extracellular Vesicles*

 **LUNCH BREAK & POSTER PRESENTATIONS**

## LIFE BEYOND EARTH: ASTROBIOLOGY AND ORIGINS OF LIFE

**13.30 - 14.30 : Keynote - Research Associate Daniela Bezdán, University of Tübingen**

*Becoming Multi-Planetary: The Biology of Life Beyond Earth*

**14.30 - 15.05 : Invited Speaker - Prof. Dr. Alexandre Rosado, King Abdullah University of Science and Technology**

*Alien Life Starts on Earth:*

*Engineering Life for Earth and Beyond*

**15.20 - 16.00 : Invited Speaker - Asst. Prof. Georgios Miliotis, University of Galway**

*Insights from 30 Years of Microbial Tracking in Spacecraft, Orbital Stations, and Spacecraft Assembly Facilities*

**16.00 - 16.30 : Invited Speaker - Dr. Stefan Green, Rush University**

*Effects of spaceflight on gut microbiome*

 **COFFEE BREAK**

**16.45 - 18.30 : WORKSHOPS**



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## Poster Presentation Details:

**Ece Öner - Yıldız Technical University**

*Modeling of biological networks and  
analysis of multi-omics data*

**İlayda Döndürür - Marmara University**

*Antibacterial Activity of Hypogymnia tubulosa  
Lichen Extract Against*

**İrem Ece Kadioğlu - Çanakkale Onsekiz Mart University**

*Reprogramming of Alternative Splicing During  
Monilinia laxa Pathogenesis*

**Kerem Çotuk - Acibadem University**

*LAMA5 Variants Modulate Immune Cell Infiltration  
Across a 2D BBB Model in MS*

**Musa Al Hassan Kromah & İbrahim Bah - Çukurova University**

*Machine Learning-Based Genomic Prediction and SHAP  
Interpretation of Meropenem Resistance  
in Klebsiella pneumoniae*

**Seher Zeynep Sonkaya - Acibadem University**

*Predicting Transcriptomic Responses to Genetic  
Perturbations via Similarity-Based Atlas Mapping*

**Umut Kılınçkaya & Ariorad Moniri - Acibadem University**

*CAPVIC: A Production-Grade MCP Server for Precision  
Oncology Variant Classification*



# 5TH LIFE SCIENCES CONGRESS SCHEDULE

APRIL 19 OFFICIAL PROGRAM

**08.45 - 09.20 : Registration**

## COMPUTATIONAL BIOLOGY, SYSTEMS MODELLING & AI DRIVEN BIOTECHNOLOGY

**09.20 - 10.20 : Keynote - Dr. Ahmet Süreyya Rifaioglu, Heidelberg University**  
*Engineering Machine Learning in the Era of Single-Cell and Spatial Data*

**☕ COFFEE BREAK**

**10.40 - 11.20 : Invited Speaker - Assoc. Prof. Oğün Adebali, Sabanci  
University**

*Evolutionary representation at the molecular level provides insights into  
biology and health*

**11.20 - 12.00 : Invited Speaker - Assoc. Prof. Mehmet Baysan, İstanbul  
Technical University**

*Clinical NGS Analyses at the Intersection of Information and Genome Tech*

**🍴 LUNCHTIME**

## STEM CELLS, REGENERATIVE MEDICINE & TISSUE ENGINEERING

**13.00 - 14.00 : Keynote - Prof. Dr. Dilek Telci Temeltaş, Yeditepe University**  
*The Fate of a Cell: The Process of Carcinogenesis, the Dual Role of TG2, and  
Targeted Treatment Strategies*

**☕ COFFEE BREAK**

**14.10 - 14.50 : Invited Speaker - Assoc. Prof. Ahmet Acar, Middle East  
Technical University**

*Establishing a Molecularly Characterised Living Biobank of Patient-Derived  
Organoids in Metastatic Colorectal Cancer*

**14.50-15.30: Invited Speaker - Asst. Prof. Ece Öztürk, Koç University**

*Modeling cancer with tissue engineering*

**☕ COFFEE BREAK**

**15.45-17.15: Rising Stars: Young Researchers Oral Presentations**

**☕ COFFEE BREAK**

**17.30 - 18.00 : Award Ceremony & Closing Remarks**



# 5TH LIFE SCIENCES CONGRESS SCHEDULE

APRIL 19 OFFICIAL PROGRAM

## Rising Stars: Young Researchers Oral Presentations

**15.45 - 16.00 : Ferdi Oğuz - Koç University**

*Optimization of a GelMA-Based 3D Ex Vivo Model Using Amniotic Fluid and Chorionic Villus Cells for Fetoplacental Research*

**16.00 - 16.15 : Anmol Aggarwal - UC Berkeley University**

*From Prediction to Generation: Decision Criteria for Selecting Traditional ML or Generative AI in Organizations*

**16.15 - 16.30 : Gulnoza Esenova - Tashkent State Medical University**

*Genomic Analysis Of SARS-CoV-2 Variants Circulating In Uzbekistan*

**16.30 - 16.45 : Mehmet Alp Garipoğlu - Konstantz University**

*Designing AAV Vector Delivery Systems with Nanobody Assisted Targeting*

**16.45 - 17.00 : Maftunakhon Sadikhova - Research Institute of Plant Genetic Resources**

*Optimization Of CALLUS Induction From COTYLEDON Explants Of Tomato (SOLANUM LYCOPERSICUM L.) As A Platform For CRISPR/CAS9- Mediated Genome Editing*

