

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



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. Ogün Adebali, Sabancı
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

