



Cancer Drug Resistance in Context

Mechanisms, Models, and Therapeutic Delivery Strategies

Date: 11 March 2026

Time: 10:00–15:30

Place: Aziz Sancar Auditorium

Program

10:00–10:20 Welcome Speech

10:20–11:00 **Prof. Dr. Tuğba Bağcı-Önder**

Koç University Research Center for Translational Medicine & Department of Medical Pharmacology, School of Medicine, Koç University

Epigenetic Regulation of Therapy Response in Cancer

11:00–11:20 Coffee Break

11:20–12:00 **Asst. Prof. Ayşegül Kaymak-Özdemir**

Ege University, Department of Basic Pharmaceutical Sciences

**Reprogramming the Tumor Microenvironment in Breast Cancer:
The ZRF1–S100A9 Axis and Its Therapeutic Potential**

12:00–13:00 Lunch Break

13:00–13:40 **Prof. Dr. Özden Yalçın-Özuysal**

Izmir Institute of Technology, Department of Molecular Biology and Genetics

**A Functional Ex Vivo Breast Tumor Biopsy Model:
Integrating Drug Response and Invasion with Clinical Parameters**

13:40–14:20 **Prof. Dr. Gizem Çalıbaşı-Koçal**

Dokuz Eylül University, Institute of Oncology

**Dynamics of Treatment Response in Colorectal Cancer:
From Drug Resistance to Resensitization**

14:20–14:40 Coffee Break

14:40–15:20 **Assoc. Prof. Gülşah Erel-Akbaba**

Izmir Katip Celebi University, Department of Pharmaceutical Biotechnology

**Strategies for Targeted Delivery of Nucleic Acids Across the
Blood–Brain Barrier**

15:20–15:30 Closing Remarks

Organizer: Prof. Dr. Şerif Şentürk