

**BOĞAZİÇİ CT3**  
**III. TARGETED THERAPY TECHNOLOGIES**  
**SYMPOSIUM**

**PROGRAM**

June 12 Thursday, 2025	
09.00 – 09.30	<b>Welcome &amp; Registration</b>
09.30 – 10.00	<b>Opening Speeches</b> Amitav Sanyal, Conference Chair Rana Sanyal, Tribute to Prof. Banu Onaral Welcome from Boğaziçi CT3 Health Institutes of Türkiye (TÜSEB) (invited) Ministry of Industry & Technology (invited)
<b>SESSION 1</b>	<b>DIAGNOSTICS</b> <b>Session Chairs:</b> <b>Rana Sanyal, Pınar Özbay, Boğaziçi University</b>
10.00 – 11.00	<b>Keynote Speech</b> Margret Schottelius, Centre Hospitalier Universitaire Vaudois (CHUV), University of Lausanne (UNIL) <i>Nuclear Theranostics - Current status and future perspectives</i>
11:00 – 11:30	Ümit Hakan Yıldız, Izmir Institute of Technology <i>Fluorescence Imaging study of single chain conjugated polymer dots and their penetration characteristic against blood-brain barrier</i>
11:30 – 12:00	Salih Özçubukçu, Middle East Technical University <i>Smart Peptides for Smarter Tumor Imaging and Therapy</i>
12:00 – 12:30	Tanıl Kocagöz, Acibadem University <i>20 Years of Improvements of 140 Years Old Tuberculosis Diagnostics</i>
12.30 – 14.00	Lunch Break

SESSION 2	<b>MEDICAL TECHNOLOGIES</b> <b>Session Chairs:</b> <b>Albert Güveniş, Esin Öztürk, Boğaziçi University</b>
14.00 – 15.00	<b>Keynote Speech</b> Kerem Pekkan, Koç University <i>Cardiovascular Digital Twins and Patient-specific Devices</i>
15.00 – 16.00	<b>Keynote Speech</b> Jayant Khandare, OneCell Diagnostics <i>Precision Tracking of Minimal Residual Disease for Optimized Cancer Management: Dual Biomarkers- ctDNA and CTC</i>
16.00 – 16.30	Coffee Break
SESSION 3	<b>TRANSLATION IN MEDICINE</b> <b>Session Chair: Arzu Çelik, Boğaziçi University</b>
16:30 – 17:00	Hakan Orer, Koç University <i>Bullseye pharmacology: Why hitting the molecular target is tougher than it looks</i>
17:00 – 17:30	Sancar Barış, Ondokuz Mayıs University <i>Future of Medical Pathology - What is on the Horizon?</i>
17:30 – 18:00	Duygu Altinok Dindar, Oregon Health & Sciences University <i>The Translation of Microbiome Research into Medicine: Past, Present, and Future</i>

June 13 Friday, 2025	
SESSION 4	<b>TISSUE ENGINEERING</b> <b>Session Chairs:</b> <b>Bora Garipcan, Duygu Ege, Boğaziçi University</b>
10.00 – 11.00	<b>Keynote Speech</b> Nuno Neves, University of Minho <i>Surface Biofunctionalized Nanoparticles and Polymer Substrates for Advanced Therapies</i>
11:00 – 11:30	Pınar Yılğör, Ankara University <i>3D and 4D Printing in Healthcare: Tissue Engineering Approach</i>
11:30 – 12:00	Aylin Şendemir, Ege University <i>A Tissue Engineered in vitro Blood-Brain Barrier Model as a Tool for Testing of Targeted Delivery to Brain</i>
12:00 – 12:30	Gürsel Turgut, Genkord Therapeutics <i>Regenerative Medicine and Cellular Therapeutics</i>

12.30 – 14.00	Lunch Break
<b>SESSION 5</b>	<b>NANOMEDICINE</b> <b>Session Chairs:</b> <b>Amitav Sanyal, Banu Iyisan, Boğaziçi University</b>
14.00 – 15.00	<b>Keynote Speech</b> Jai Prakash, University of Twente <i>Reprogramming the Tumor Microenvironment: Novel Targeting Strategies for Improved Oncologic Outcomes</i>
15.00 – 15.30	Volga Bulmuş, Izmir Institute of Technology <i>Tailored Polymers for Gene Delivery and Tissue Engineering</i>
15.30 – 16.00	Yasemin Yüksel Durmaz, Istanbul Medipol University <i>Nanoparticle-Mediated Histotripsy for Non-Invasive Cancer Ablation</i>
16.00 – 16.30	Safacan Kölemen, Koç University <i>Cancer Cell Selective Phototheranostic Agents</i>
16.00 – 16.30	Coffee Break
<b>SESSION 6</b>	<b>MEDICAL TECHNOLOGIES IN TRANSLATION</b> <b>Session Chairs:</b> <b>Nesrin Erkol, Cengizhan Öztürk, Boğaziçi University</b>
16:40 – 17:00	Murat Canpolat, MCC Medikal & Akdeniz University <i>Development of Biomedical Optics Based Diagnostics Systems</i>
17:00 – 17:20	Mustafa Cüneyt Çıkman, BlooCell <i>Personalized Biodegradable Implants: Current Status and Future Plans</i>
17:20 – 17:40	Tuğçe Karataş, RS Research <i>Development of Receptor Targeted Nanoparticles</i>
17:40 – 18:00	Ahmet Katı, Omica & University of Health Sciences <i>Advanced in-vitro Strategies for Targeted Therapy Development: Prioritizing Ethics and Translational Impact</i>
18:00 – 18:20	Milad Riazifar, Invitrx <i>Therapeutic Potential of Engineered Extracellular Vesicles with Anti Senescence Properties</i>
18:20 – 18:40	Ayhan Olcay, Innoway R&D Kft <i>Innovator Physician &amp; Physician Led Medtech Companies</i>