SCIENTIFIC PROGRAM

INTERNATIONAL MULTIDISCIPLINARY SYMPOSIUM ON DRUG RESEARCH & DEVELOPMENT (DRD 2026)

1st DAY ⬢ OCTOBER 1, 2026 / Thursday	
09:30-12:30	**Workshops** (The workshops will be held on the 5th floor of the F-block building) - **Hands-on workshop on molecular docking in drug design (F-503)** **Prof. Safiye SAĞ ERDEM, Ph.D.** (Marmara University) **Assist. Prof. Tuğrul MEHTİYEV, Ph.D.** (Fenerbahçe University) **Assist. Prof. İlke DEMİR, Ph.D.** (Fenerbahçe University) - **From prescription to teapot: Workshop on medicinal herbal teas (F-515 Pharmaceutical Technology Laboratory)** **Prof. İffet İrem ÇANKAYA, Ph.D.** (Hacettepe University)
11:00-13:30	**Welcome / Registration (B-Block / B-513)**
HALL – A (B-Block / B-513)	
13:30-14:00	**OPENING CEREMONY** **Prof. İlkay KÜÇÜKGÜZEL, Ph.D.** (Chair of DRD 2026) ◆ Dean of Faculty of Pharmacy, Fenerbahçe University, Türkiye **Prof. Gülberk UÇAR, Ph.D.** (Co-Chair of DRD 2026) ◆ President of The Society of Researchers in Pharmacy and Medicine (İLARUD), Türkiye **Prof. Mehmet Yıldırım ÜÇTUĞ, Ph.D.** (Vice President of Fenerbahçe University, Türkiye) **Pharm. İrfan DEMİRCİ** (President of Turkish Pharmacists Association (TEB), Türkiye) **Hüseyin ÇELİK, M.Sc.** (President of Turkish Medicines and Medical Devices Agency (TİTCK), Türkiye) **A short performance by Kadıköy Municipality Youth Art Center Chamber Orchestra**
14:00-15:00	**OPENING PLENARY LECTURE** **Prof. Johan NEYTS, Ph.D.** (Rega Institute of Medical Research, KU Leuven, Belgium) **Small molecule antivirals for epidemic and pandemic preparedness**
15:00-15:30	**PLENARY LECTURE** **Prof. Buket AKSU, Ph.D.** (Altınbaş University, Türkiye) **Staying human in the robotic age: Ctrl+Alt+Empathy**
15:30-16:00	**COFFEE BREAK**
Session-1	**Infectious Diseases; Advances in Treatment and Innovations / Bulaşıcı Hastalıklar; Tedavideki Gelişmeler ve Yenilikler** Chair: Prof. Dr. Gülberk UÇAR *(The presentations will be in Turkish)*
16:00-18:00	**Prof. Dr. Ateş KARA** (Türkiye Aşı Enstitüsü Başkanı, Hacettepe Üniversitesi, Türkiye) **Prof. Dr. Tanıl KOCAGÖZ** (Acıbadem Üniversitesi, Türkiye) **Doğadan esinlenerek üretilen peptit antibiyotikler antibiyotik direnç sorununu çözebilir mi?** **Doç. Dr. Ahmet Çağkan İNKAYA** (Hacettepe Üniversitesi, Türkiye)
18:30-20:00	**WELCOME RECEPTION (FBU B-Block B-513 Foyer Area)**

2nd DAY ⬢ OCTOBER 2, 2026 / Friday

HALL – A (B-Block / B-513)		HALL – B (B-Block / B-409)		HALL – C (B-Block / B-414)	
Session-2	**Natural Drugs and Phytopharmacy** **Chairs:** Prof. İffet İrem ÇANKAYA - Assist. Prof. Zehra İlke MERİÇ	**Session-3**	**Multiomics, Bioanalysis, and Biosensors** **Chairs:** Prof. Emirhan NEMUTLU – Prof. Ayşe ERCAN	**Session-4**	**Oral Presentations**
09:30-10:00	Invited Lecture **Prof. Muralikrishnan DHANASEKARAN, Ph.D.** (Auburn University, USA) From natural bioactives to precision therapeutics: emerging strategies in drug discovery and development for neurological disorders	09:30-10:00	Invited Lecture (Online) **Prof. Can DİNÇER, Ph.D.** (Munich Technical University, Germany) Disposable sensors for next-generation healthcare and beyond	09:30-09:45 09:45-10:00	Oral Presentation-1 Oral Presentation-2
10:00-10:30	Invited Lecture **Prof. Olga Maria PALOMINO RUIZ-POVEDA, Ph.D.** (University Complutense of Madrid, Spain) The legal landscape of European herbal drug regulations: understanding HMPC monographs	10:00-10:20	Oral Lecture (Online) **Dr. Murat AKKURT ARSLAN, Ph.D.** (University of South Florida, USA) From biomarkers to mechanisms: Advances in omics research in ocular surface and neurodegenerative diseases	10:00-10:15 10:15-10:30	Oral Presentation-3 Oral Presentation-4
10:30-11:00	Invited Lecture **Prof. Hasan KIRMIZIBEKMEZ, Ph.D.** (Yeditepe University, Türkiye) The importance of phytochemical studies in the discovery of potential drug leads from natural products	10:20-10:50	Invited Lecture **Prof. Nurhan ÖZLÜ, Ph.D.** (Koç University,Türkiye) Biomedical applications of proteomics	10:30-10:45 10:45-11:00	Oral Presentation-5 Oral Presentation-6
11:00-11:20	**COFFEE BREAK**				
Session-5	**Pharmaceutical Biotechnology and Living Drugs** **Chairs:** Prof. İ. Tuncer DEĞİM – Dr. Eda GÖKBULUT	**Session -6**	**İLARUD-Prof. Dr. Ünsal Çalış Session** *(The presentations will be in Turkish)*	**Session-7**	**Oral Presentations**
11:20-11:50	Invited Lecture **Prof. Gerrit BORCHARD, Ph.D.** (University of Geneva, Switzerland) mRNA-based information medicines: A paradigm change	11:20-12:10	**Prof. Dr. Sedef KIR** (İLARUD, Türkiye) **Prof. Dr. Selma SARAÇ TARHAN** (Başkent Üniversitesi, Türkiye) Son dönemde kaybettiğimiz Hocalarımızın anısına …	11:20-11:35 11:35-11:50 11:50-12:05	Oral Presentation-7 Oral Presentation-8 Oral Presentation-9
11:50-12:20	Invited Lecture **Assoc. Prof. Hasan AKBABA, Ph.D.** (Ege University, Türkiye) A paradigm shift in pharmaceutical biotechnology: Lipid nanoparticle-mediated gene delivery				
12:20-12:40	Oral Lecture **Chem. Ömer Faruk FIRAT** (Polifarma Pharmaceutical Industry, Türkiye) Antisense oligonucleotide technology	12:10-12:40	**Prof. Dr. Zühre ŞENTÜRK** Gönül bahçemize hapsolanlar	12:05-12:20 12:20-12:35	Oral Presentation-10 Oral Presentation-11
12:40-13:00	Oral Lecture **Assist. Prof. Derya DİLEK KANÇAĞI** (Fenerbahçe University, Türkiye) From living cells to living drugs: Preclinical strategies	12:40-13:00	**Anı paylaşımı**	12:35-12:50 12:50-13:05	Oral Presentation-12 Oral Presentation-13
13:00-14:00	**LUNCH**				
13:00-14:00	**POSTER SESSION**				
Session-8	**Nanomedicines and Nanomaterials** **Chairs:** Prof. Sevda ŞENEL – Assist. Prof. Gülşah YİĞİT ERDEM	**Session-9**	**Computational Methods and AI in Drug Design** **Chairs:** Prof. Venkatesan JAYAPRAKASH – Assist. Prof. Ebru Didem KURAN	**Session-10**	**Oral Presentations**
14:00-14:30	Invited Lecture **Prof. İ. Tuncer DEĞİM, Ph.D.** (Biruni University, Türkiye) Carbon quantum dots as new therapy alternatives	14:00-14:30	Invited Lecture **Prof. Kemal YELEKÇİ, Ph.D.** (Kadir Has University, Türkiye) Discovery of novel peptidomimetic compounds with computational and experimental methods against tau protein aggregation in Alzheimer's disease: Utilizing an AI method for the determination of the crystal structure of tau	14:00-14:15 14:15-14:30 14:30-14:45	Oral Presentation-14 Oral Presentation-15 Oral Presentation-16
14:30-15:00	Invited Lecture **Assoc. Prof. Özgül GÖK ÖZATAY, Ph.D.** (Acıbadem University, Türkiye) Drug-conjugated and pH responsive nanoparticles as targeted therapies	14:30-15:00	Invited Lecture **Prof. Safiye SAĞ ERDEM, Ph.D.** (Marmara University, Türkiye) From quantum chemistry to molecular docking and molecular dynamics: Computational case studies in the design of covalent inhibitors and multitarget-directed ligands	14:45-15:00 15:00-15:15	Oral Presentation-17 Oral Presentation-18
15:00-15:20	Oral Lecture (Online) **Viorica PATRULEA, Ph.D.** (University of Geneva, Switzerland) When 1 + 1 is more than 2: Antimicrobial peptide dendrimer-chitosan synergy	15:00-15:20	Oral Lecture **Assoc. Prof. Şebnem EŞSİZ TEKGÜÇ, Ph.D.** (Kadir Has University, Türkiye) Multi-Scale Structural Dynamics of Proteins: From Single Point Mutations to Protein Complex Formation	15:15-15:30	Oral Presentation-19
15:20-15:40	**COFFEE BREAK**				
Session-11	**Molecular Medicine, Biochemistry and Pharmacology** **Chairs:** Prof. Muralikrishnan DHANASEKARAN – Assoc. Prof. Merve DENİZALTI	**Session-12**	**Oral Presentations**	**Session-13**	**Oral Presentations**
15:40-16:10	Invited Lecture **Prof. Luciano SASO, Ph.D.** (Sapienza University, Italy) Modulation of oxidative stress: Pharmacological applications	15:40-15:55 15:55-16:10	Oral Presentation-20 Oral Presentation-21	15:40-15:55 15:55-16:10	Oral Presentation-25 Oral Presentation-26
16:10-16:40	Invited Lecture **Prof. Güliz ARMAĞAN, Ph.D.** (Ege University, Türkiye) Targeting ferroptosis as a therapeutic strategy: From cancer cell death to neuroprotection	16:10-16:25 16:25-16:40	Oral Presentation-22 Oral Presentation-23	16:10-16:25 16:25-16:40	Oral Presentation-27 Oral Presentation-28
16:40-17:10	Invited Lecture **Prof. Ayşe ERCAN, Ph.D.** (Hacettepe University, Türkiye) Recent advances in molecular-based therapeutical strategies in breast cancer	16:40-16:55	Oral Presentation-24	16:40-16:55 16:55-17:10	Oral Presentation-29 Oral Presentation-30

3rd DAY ⬢ OCTOBER 3, 2026 / Saturday

HALL – A (B-Block / B-513)		HALL – B (B-Block / B-409)		HALL – C (B-Block / B-414)	
Session -14	**Drug Design, Synthesis and Development** **Chairs:** Prof. Safiye SAĞ ERDEM – Assoc. Prof. Göknil Pelin COŞKUN	**Session -15**	**Pharmacoeconomics, Pharmacy Management and Clinical Pharmacy** **Chairs:** Prof. Yusuf ÖZTÜRK - Assist. Prof. Betül ÖZGAN	**Session-16**	**Oral Presentations**
09:30-10:00	Invited Lecture **Prof. Venkatesan JAYAPRAKASH, Ph.D.** (Birla Institute of Technology, India) Exploiting conditionally essential proteins for the discovery of novel antimycobacterial agents	**09:30-10:00**	Invited Lecture **Prof. Mesut SANCAR, Ph.D.** (Marmara University, Türkiye) Optimizing antimicrobial stewardship: The role of the clinical pharmacist	09:30-09:45 09:45-10:00	Oral Presentation-31 Oral Presentation-32
10:00-10:30	Invited Lecture (Online) **Prof. Claudiu T. SUPURAN, Ph.D.** (University of Florence, Italy) Carbonic anhydrase inhibitors- from anticancer agents to antibacterials	**10:00-10:30**	Invited Lecture **Prof. Özlem Nazan ERDOĞAN, Ph.D.** (İstanbul University, Türkiye) Pharmacy management in the digital age: Opportunities and threats	10:00-10:15 10:15-10:30	Oral Presentation-33 Oral Presentation-34
10:30-10:50	Oral Lecture **Assoc. Prof. Gökçe CİHAN ÜSTÜNDAĞ, Ph.D.** (İstanbul University, Türkiye) Spirothiazolidinone derivatives with pan-coronavirus activity and an nsp15-dependent antiviral mechanism	**10:30-10:50**	Invited Lecture **Assoc. Prof. Nilay AKSOY, Ph.D.** (Altınbaş University, Türkiye) From data to decisions: Reimagining pharmacoeconomics in the age of artificial intelligence	10:30-10:45 10:45-11:00	Oral Presentation-35 Oral Presentation-36
10:50-11:10	**COFFEE BREAK**	**10:50-11:10**	**COFFEE BREAK**		
Session -17	**Pharmaceutical Technology, Targeted Drug Delivery Systems, and Radiopharmaceuticals** **Chairs:** Prof. Sema ÇALIŞ – Assoc. Prof. Mine SİLİNDİR	**Session -18**	**Pharmaceutical Toxicology and Pharmaceutical Microbiology** **Chairs:** Prof. Türkan YURDUN – Assist. Prof. Can AKPOLAT	**Session-19**	**Oral Presentations**
11:10-11:40	Invited Lecture (Online) **Prof. Clemens DECRISTOFORO, Ph.D.** (Innsbruck Medical University, Austria) Siderophore based radiopharmaceuticals for infection imaing and theranostics	**11:10-11:40**	Invited Lecture (Online) **Prof. Rafael Ruiz de la HABA, Ph.D.** (Seville Universtiy, Spain) Living on a salty world: Insights after 40 years of study	11:10-11:25 11:25-11:40	Oral Presentation-37 Oral Presentation-38
11:40-12:10	Invited Lecture **Prof. Kevser Özgen ÖZER, Ph.D.** (Ege University, Türkiye) Nanotechnological approaches in anti-inflammatory therapy	**11:40-12:10**	Invited Lecture **Prof. Sibel ÖZDEN, Ph.D.** (İstanbul University, Türkiye) Epigenetics in drug development: From toxicological mechanisms to clinical translation	11:40-11:55 11:55-12:10	Oral Presentation-39 Oral Presentation-40
12:10-12:30	Oral Lecture (Online) **Dr. Gülçin ARSLAN AZİZOĞLU, Ph.D.** (Georgia Institute of Technology, USA) Microneedle Technologies for Advanced Drug and Vaccine Delivery	**12:10-12:30**	Oral Lecture **Assoc. Prof. Sinem ÖKTEM OKULLU, Ph.D.** (Acıbadem University, Türkiye) Bacterial extracellular vesicles in *H. pylori* infection: Microbial adaptation, toxic cargo, and therapeutic opportunities	12:10-12:25 12:25-12:40	Oral Presentation-41 Oral Presentation-42
12:30-14:00	**LUNCH**				
12:30-14:00	**POSTER SESSION**				
Workshop Çalıştay	**Licensing and Sustainability in Turkish Pharmaceutical Policy: A Look at New Regulations and the Future with the Turkish Medicines and Medical Devices Agency (TİTCK)** – (The workshop will be in Turkish) Chairs: Prof. Gülberk UÇAR – Prof. İlkay KÜÇÜKGÜZEL	**Session-20**	**Oral Presentations**	**Session-21**	**Oral Presentations**
14:00-17:00	(Türkiye İlaç Politikasında Ruhsatlandırma ve Sürdürülebilirlik: TİTCK ile Yeni Düzenlemelere ve Geleceğe Bakış) **Hüseyin ÇELİK** (Türkiye İlaç ve Tıbbi Cihaz Kurumu Başkanı) – Moderatör **Dr. Ecz. Elif AVANER** (TİTCK İlaç Ruhsatlandırma Dairesi Başkanı) İlaç ve biyolojik ürünlere ilişkin güncel ruhsatlandırma süreci ve kurum uygulamaları **Dr. Kim. Sevinç Ayla ÖZSAR** (TİTCK Klinik Araştırmalar Dairesi Başkanı) Klinik Araştırmaların Geleceği: Düzenleyici Gelişmeler, Kurumsal Uygulamalar ve Yeni Yaklaşımlar **Ecz. İrfan DEMİRCİ** (Türk Eczacıları Birliği Başkanı) **Gökhan ÖZKAN** (AİFD Sağlık Politikaları Müdürü) **Uzm. Ecz. Vedat EĞİLMEZ** (İEİS Akademik İlişkiler ve Bilimsel Danışman) **Ecz. Nezihe İÇDUYGU** (TİSD Ruhsatlandırma Komisyonu Başkanı) **Prof. Dr. Kevser Özgen ÖZER** (Ege Üniversitesi Eczacılık Fakültesi) **Prof. Dr. Sevda ŞENEL** (Hacettepe Üniversitesi Eczacılık Fakültesi) **Prof. Dr. Yıldız ÖZSOY ERGİNER** (İstanbul Üniversitesi Eczacılık Fakültesi) İlaç Endüstrisi Temsilcileri	14:00-14:15 14:15-14:30 14:30-14:45 14:45-15:00 15:00-15:15 15:15-15:30 15:30-15:45 15:45-16:00	Oral Presentation-43 Oral Presentation-44 Oral Presentation-45 Oral Presentation-46 Oral Presentation-47 Oral Presentation-48 Oral Presentation-49 Oral Presentation-50	14:00-14:15 14:15-14:30 14:30-14:45 14:45-15:00 15:00-15:15 15:15-15:30 15:30-15:45	Oral Presentation-51 Oral Presentation-52 Oral Presentation-53 Oral Presentation-54 Oral Presentation-55 Oral Presentation-56 Oral Presentation-57
17:00-17:30	**CONCLUDING SESSION - FUTURE PERSPECTIVES AND NEW BEGINNINGS (B-Block / B-513)**				

ORAL PRESENTATIONS

SESSION 4	**Pharmaceutical Technology, Formulation and Drug Delivery –** Chair: Assist. Prof. Gülen Melike DEMİRBOLAT
OP-01	**Ayça EREK** (Trakya University) **Doxorubicin-loaded magnetic albumin nanoparticles: Insights into protein corona dynamics**
OP-02	**Nahide Zeren ARDA ÖZTÜRK** (Fenerbahçe University) **Formulation development and optimization of a prednisolone-derived corticosteroid-loaded nanoemulsion for ocular delivery**
OP-03	**Gizem Nur KÖK** (Inonu University) **Stability assessment of doxorubicin-loaded macrophage-derived exosomes under different storage and stress conditions**
OP-04	**Görkem DEMİRTAŞ** (Izmir Katip Celebi University) **Quince seed mucilage-coated and P9-4 peptide-functionalized PLGA nanofiber scaffolds: Development, characterization, and *in vitro* bioactivity**
OP-05	**Emine Sena SARAÇOĞLU** (Acibadem Mehmet Ali Aydinlar University) **Antimicrobial activity of essential oil-based nanostructured lipid carriers**
OP-06	**Yağmur PİRİNÇCİ TOK** (Istanbul Health and Technology University) **Canagliflozin-loaded polymeric micelles for oral antidiabetic therapy: Preparation, characterization and in vitro release**
SESSION 7	**Pharmaceutical Technology, Formulation and Drug Delivery** – Chair: Assist. Prof. Beyza ŞAHİNÖZÜ
OP-07	**Meryem KAPLAN** (Süleyman Demirel University) **Development and optimization of pH-responsive metronidazole-loaded calcium alginate beads for intestinal drug delivery**
OP-08	**Muhammed Abdur RAUF** (Fenerbahçe University) **Enhancing bezafibrate solubility and tablet properties via cyclodextrin complexation at controlled pH and temperatures**
OP-09	**Mustafa KARA** (Trustlife Labs) **The right formulation, the right data: From molecular properties to preclinical decision-making**
OP-10	**Ece ÖZCAN BÜLBÜL** (University of Health Sciences) **Fexofenadine hydrochloride-ß-cyclodextrin complex-loaded 3D-printed oral films: Preparation, characterization and in vitro evaluation**
OP-11	**Sıla GÜLBAĞ PINAR** (Süleyman Demirel University) **Development and characterization of blank orodispersible films: Effect of polymer type**
OP-12	**Tutku Nur ALNIAÇIK** (Istanbul University) **Development of berberine-loaded nanoemulgel formulations and evaluation of antimicrobial photodynamic activity**

OP-13	**Gülen Melike DEMİRBOLAT** (Acibadem Mehmet Ali Aydinlar University) **NK202 loaded beta cyclodextrin inclusion complexes: Characterization and cellular efficacy**
SESSION 10	**Pharmaceutical Chemistry and Drug Design** – Chair: Assoc. Prof. Zafer ŞAHİN
OP-14	**Şeniz ÖZALP YAMAN** (Atılım University) **Ligand-modulated redox, DNA-binding, and cytotoxic properties of novel palladium(ii) oxime complexes**
OP-15	**Zeynep Nihal KILIÇ** (Istanbul University) **2-indolinone-indole hybrids bearing a phenylurea moiety as tyrosine kinase inhibitors: Design, synthesis and antiproliferative activity**
OP-16	**Bahadır BÜLBÜL** (Düzce University) **Design and synthesis of novel 1,3,4-oxadiazole derivatives as potential antibacterial, or antitubercular agents**
OP-17	**Merve ATAMAN** (Istanbul Aydın University) **Antibacterial and antifungal activities of hydrazide-hydrazone derivatives**
OP-18	**Merve CAMCI EREN** (Istanbul University) **Phenylalanine-derived carboxylic acid bioisosteres: Design, synthesis, and determination of activity against RNA viruses**
OP-19	**Okan AYKAÇ** (Sivas Cumhuriyet University) **Synthesis of new pyridazinone triazole hybrids and *in vitro* and *in silico* evaluation of their multi enzyme inhibition potential**
SESSION 12	**Analytical Sciences, Pharmacokinetics, Toxicology and Clinical Pharmacy** – Chair: Assist. Prof. Şeyda KARAMAN ERSOY
OP-20	**Tuğrul MEHTIYEV** (Fenerbahçe University) **Multilayer in silico profiling of mutagenicity and carcinogenicity of neonicotinoid and neonicotinoid-like nAChR agonists using QSAR Tools, machine learning, network toxicology, and molecular docking**
OP-21	**Asma BEHNOUD** (Istanbul University) **Electrochemical determination of chlorpheniramine maleate in pharmaceutical and biological samples using an adipic acid-doped polypyrrole/pencil graphite electrode**
OP-22	**Bilge ÖZLÜER BAŞER** (Mimar Sinan Fine Arts University) **Can a likelihood ratio travel? Calibration of postmortem toxicology evidence under reference-population shift and incorporation bias**
OP-23	**Göknil Pelin COŞKUN ŞAHIN** (Acibadem Mehmet Ali Aydinlar University) **Optimization of in-house microsomal and plasma stability assays**
OP-24	**Gülbeyaz Yıldız TÜRKYILMAZ** (Ege University) **Bridging *in vitro* and *in vivo* formulation performance: A valsartan sedds case study on PBPK-PopPK integration and study design**
SESSION 13	**Analytical Sciences, Pharmacokinetics, Toxicology and Clinical Pharmacy** – Chair: Assist. Prof. Duygu TUNCEL TURAN
OP-25	**Murat ÖZDEMİR** (Trustlife Labs) **From *in vitro* activity to *in vivo* exposure: The role of DMPK in preclinical drug development**

OP-26	**Betül ÖZGAN** (Marmara University) **Ten-fold between-patient variability in 24-hour remifentanil requirement at comparable sedation depth in mechanically ventilated adults: A single-cent**
OP-27	**Ömer Faruk ÖZKANLI** (Fenerbahçe University) **Uncovering drug-related problems in hospitalized stroke patients from a clinical pharmacist perspective**
OP-28	**Öznur Ece DURMAZ KURŞUN** (Firat University) **Rational evaluation of antihypertensive drugs using drugbank data: A comparative machine learning study**
OP-29	**Ümran SOFU** (Süleyman Demirel University) **Electrochemical sensing of the anticancer drug tamoxifen in pharmaceutical dosage forms using disposable screen-printed carbon electrodes**
OP-30	**Deniz KÜPÇÜK** (İstanbul University) **One-Step Fabrication of an f-MWCNT/S-GO Nanocomposite Pencil Graphite Electrode for Ultrasensitive Electrochemical Determination of Caffeine**
SESSION 16	**Natural Products and Experimental Therapeutics** – Chair: Assist. Prof. Ömer Faruk ÖZKANLI
OP-31	**Begüm YANAR** (Izmir Katip Celebi University) **Nephroprotective potential of plant-derived flavonoids: Molecular mechanisms and therapeutic prospects**
OP-32	**Dicle ÇEVİK** (Trakya University) **Evaluation of the antiproliferative activity of *Scilla bifolia* extracts**
OP-33	**Duygu TUNCEL TURAN** (Fenerbahçe University) **Green synthesis of ZnO nanoparticles using *Alkanna trichophila* extract for the photocatalytic degradation of antibiotics**
OP-34	**Sefa SÖNMEZ** (Fenerbahçe University) **Antimicrobial activity of *Isatis demiriziana* H.Misirdali ex P.H.Davis, R.R.Mill & Kit Tan**
OP-35	**Şeyda KARAMAN ERSOY** (Fenerbahçe University) **Enhanced recovery of antioxidant and bioactive compounds from spent Turkish coffee grounds: Comparison of conventional solvents with a nades-inspired aqueous sucrose–lactic acid system**
OP-36	**Zatiye Ayça ÇEVIKELLI YAKUT** (Trakya University) **Effects of *Cornus mas* on rat kidneys in experimental metabolic syndrome and aluminum toxicity**
SESSION 19	**Immunology, Inflammation and Neurobiology** – Chair: Assist. Prof. Seynur SUNAR
OP-37	**Yusuf ÖZTÜRK** (Istanbul Aydın University) **A systematic review of patch-clamp electrophysiology studies from Turkish universities**
OP-38	**Elif GÜN** (Karadeniz Technical University) **Evaluation of the effects of ursodeoxycholic acid in a psoriasis-like mouse model**
OP-39	**Gizem KAFTAN ÖCAL** (Afyonkarahisar Health Sciences University) **Effects of synthetic neuromelanin on Nrf2/ARE signaling pathway in SH-SY5Y cells**

OP-40	**Bengü Sema MUTAFOĞLU** (Marmara University) **Coumarin-phthalonitrile hybrids as dual MAO-B and Caspase-1 inhibitors: A multi-target approach to neurodegeneration and neuroinflammation**
OP-41	**Levent HACISÜLEYMAN** (Fenerbahçe University) **Network pharmacology and molecular docking reveal multi-target anti-inflammatory mechanisms of glycyrrhizin in chronic rhinosinusitis with nasal polyps**
OP-42	**Seynur SUNAR** (Fenerbahçe University) **Study of the role of the 5-lipoxygenase targetome on monocytes/macrophages and endothelial cell interactions**
SESSION 20	**Cancer Biology, Biotechnology, Biomarkers and Advanced Preclinical Models** – Chair: Assist. Prof. Tuğrul MEHTİYEV
OP-43	**Gizem BATI AYAZ** (Trustlife Labs) **Beyond conventional cell culture: Strategic selection of biologically in vitro models in drug discovery**
OP-44	**Sujata SHARMA** (All India Institute of Medical Sciences) **Proteolytic processing of lactoferrin generates structurally stable bioactive fragments with therapeutic potential**
OP-45	**Derya DİLEK KANÇAĞI** (Fenerbahçe University) **Targeting biotransformation enzymes enhances the response of PC3 prostate cancer cells to docetaxel**
OP-46	**Chasan ALITSIK** (Marmara University) **Nilotinib-inspired hydrazones as antiproliferative agents in hepatocellular carcinoma**
OP-47	**Neşe Başak TÜRKMEN** (Inonu University) **Investigation of the anticancer activity of citrinin against cervical cancer cell lines**
OP-48	**Shiva MAROUF** (Istanbul Aydın University) **Optimization of PCR conditions for KMT2A fusion detection and limit of detection analysis in sub-picogram clinical samples**
OP-49	**Hayati OKUR** (Dicle University) ***In silico* investigation of potential inhibitor candidates for the treatment of malignant mesothelioma: A MoE-based study targeting focal adhesion kinase (FAK/PTK2)**
OP-50	**Gizem İNETAŞ YENGIN** (Yeditepe University) **Plasma-derived RNA analysis for biomarker research**
SESSION 21	**Microbiology, Antimicrobial Research and Infectious Diseases** – Chair: Assist. Prof. Levent HACISÜLEYMAN
OP-51	**Aleyna ÖZVEREN** (Acibadem Mehmet Ali Aydinlar University) **Probiotic potential of lactic acid bacteria isolated from traditional dairy products**
OP-52	**Diba SAFARZADEH** (Near East University) **Machine learning approaches for the diagnosis and classification of urinary tract infections and prediction of antibiotic resistance: A systematic review**
OP-53	**Can AKPOLAT** (Fenerbahçe University) **Evaluation of the accuracy and readability of responses from generative artificial intelligence language models regarding rational antibiotic use and infectious disease counseling: A pilot study**

OP-54	**Halime Devrim KÜÇÜK** (Atatürk University) **Evaluation of Hepatitis B-related knowledge levels and awareness among Hepatitis B patients**
OP-55	**Seray SADAY** (Izmir Katip Celebi University) ***In vitro* antibacterial and antibiofilm activities of citalopram and escitalopram against S*taphylococcus aureus* and *Escherichia coli***
OP-56	**Zehra TORUN** (Inonu University) **Antifungal activities of hydrosols obtained from nigella species seeds against candida species**
OP-57	**Zelal ALKIŞ** (Izmir Katip Celebi University) **Phenolic profile and antimicrobial photodynamic efficacy of *Eremurus spectabilis***

POSTER PRESENTATIONS

PP-01	**Ahmad Reza GILAKI-BISHE (Centre for Immunology, Genetics, United Kingdom)** **Engineering a de novo protein to target Alzheimer's-related Porphyromonas gingivalis antigens via molecular modelling, dynamics simulation, and immunoinformatics**
PP-02	**Ahsen BOLAT** (Trustlife Labs Drug Research & Development Center, Türkiye) **Synthesis, molecular docking and in vitro evaluation of novel TG-101209-derived BUB1B inhibitors for the treatment of clear cell renal cell carcinoma**
PP-03	**Alara KAHRAMAN** (Istanbul University, Türkiye) **A review of in vitro, in vivo, and clinical studies on certain plants that affect the immune system**
PP-04	**Asel KARBUŞ** (Health Sciences University, Türkiye) **Anticholinesterase activities of Centaurea salonitana Vis. and Centaurea athoa DC. extracts**
PP-05	**Aslı AKGÜL** (Fenerbahçe University, Türkiye) **Preparation of drug-loaded niosomes as an ACE2 receptor-targeted nanomedicine for COVID-19**
PP-06	**Eren İpek** (Yeditepe University, Türkiye) **Targeting everolimus resistance in renal cell carcinoma through escin-mediated sensitization**
PP-07	**Bengü Sema Mutafoğlu** (Marmara University, Türkiye) **Structure-based drug repurposing for human HSD3B1 and HSD3B2: Identification of potential drug-target interactions**
PP-08	**Beyza Şahinözü** (Fenerbahçe University, Türkiye) **Collagen surface-modified isavuconazole nanocarriers as a promising ocular drug delivery platform for fungal keratitis**
PP-09	**Beyzanur AKDUMAN** (Marmara University,Türkiye) **In vitro α-glucosidase inhibitory activity of novel 1,3,4-thiadiazole-based derivatives**
PP-10	**Bilge ÖZLÜER BAŞER** (Mimar Sinan Fine Arts University, Türkiye) **Network pharmacology of silibinin in cisplatin-induced nephrotoxicity: Hub prioritization with independent transcriptomic validation**
PP-11	**Burak KAYABAŞI** (Izmir Katip Celebi University, Türkiye) **In vitro evaluation of bioactive properties of doxycycline**
PP-12	**Cüneyt TOPRAK** (World Medicine Pharmaceutical Company,Türkiye) **Enhancing the stability of water-soluble vitamins: Current challenges and emerging approaches**
PP-13	**Deniz VARDAR** (World Medicine Pharmaceutical Company,Türkiye) **The role of monoclonal antibodies in modern therapeutics**
PP-14	**Derin AKKAY** (Yeditepe University, Türkiye) **QSAR analysis of triazole-based derivetives for iNOS inhibition**
PP-15	**Dilara EĞREKÇİ** (Marmara University, Türkiye) **Structural optimization and mechanistic characterization of trimethoxyphenyl-substituted pyrimidine derivatives as BUB1B-targeting anticancer agents**

PP-16	**Doğa KARAKÖYLÜ** (Süleyman Demirel University, Türkiye) **Investigation of flonicamid's subchronic pulmonary toxicity in rats through oxidative damage mechanism**
PP-17	**Ece GELİM** (Fenerbahçe University, Türkiye) **Discovery of a novel benzothiazolyl-benzoylthiourea derivative targeting multiple myeloma cells**
PP-18	**Elif ERGİN** (Mersin University, Türkiye) **Synthesis, structural characterization, and cytotoxic evaluation of oxalato-platinum(II) complexes containing substituted benzimidazole ligands**
PP-19	**Elif SEVIL** (Acıbadem Mehmet Ali Aydınlar University, Türkiye) **The research of the antibacterial effects of pollen and propolis, Q-dots, and antibiotics**
PP-20	**Elmas Rumeysa YILDIRIM** (İstanbul University, Türkiye) **Synthesis and characterization of novel hydrazinecarbothioamide derivatives as potential bioactive scaffolds**
PP-21	**Emine USTA** (İstanbul University, Türkiye) **Computer-based prioritization of molecular targets in bone toxicity: The case of alternariol**
PP-22	**Esra Nur SOYDAN** (Fenerbahçe University, Türkiye) **Evaluation of antimicrobial activity of Isatis glauca Aucher ex Boiss. subsp. exauriculata (Bornm.) P.H. Davis**
PP-23	**Ezgi AKBABA** (İstanbul University, Türkiye) **Effect of solvent polarity on the antimicrobial activity of Helichrysum goulandriorum E. Georgiadou extracts**
PP-24	**Fadıl Kaan KURAN** (İstanbul University, Türkiye) **Phytochemical investigations of the plant Ferulago antiochia Saya & Miski**
PP-25	**Figen EDİNÇ** (Sakarya Universit, Türkiye) **Boron-containing molecules: Emerging therapeutic perspectives in inflammation, Alzheimer's disease and glioblastoma**
PP-26	**Gizem GÜLSOY TOPLAN** (Health Sciences University, Türkiye) **Centaurea inermis Velen.**
PP-27	**Gülberk UÇAR** (Hacettepe University,Türkiye) **Design of novel coumarin-based multi-target anticancer agents: Synthesis and in silico studies**
PP-28	**Gülşah YİĞİT ERDEM** (Fenerbahçe University, Türkiye) **Development of a glucose-based amphiphilic diblock copolymer as a potential drug delivery platform for poorly water-soluble drugs**
PP-29	**Hasan AYDIN** (Yildiz Technical University, Türkiye) **Paration and characterization of polysaccharide-based oral films containing paracetamol**
PP-30	**Hayrünnisa TAŞCİ** (Erzincan Binali Yıldırım University,Türkiye) **Synthesis of novel 1,2,4-triazole compounds and in vitro and in silico evaluation of their anti-inflammatory and antiproliferative potential**
PP-31	**HELİN YALÇIN** (Mersin University , Türkiye) **Synthesis and characterization of novel oxalato-platinum(II) complexes containing benzimidazole derivatives and their in vitro cytotoxic activity**

PP-32	**Hilal GÜMRAH ÖZTÜRK** (Anadolu University, Türkiye) **Assessment of prostate cancer awareness and knowledge of screening: A cross-sectional study**
PP-33	**Huseyin KOSKER** (Izmir Kâtip Celebi University, Türkiye) **Synthesis, structure elucidation, antimicrobial activities of new 7-substituted triazolopyrimidone derivatives**
PP-34	**İlayda DÖNDÜRÜR (**Marmara University, Türkiye) **Determination of the antibacterial and antibiofilm activities of Evernia divaricata lichen extract against Listeria monocytogenes**
PP-35	**İlteriş Eren AMİL** (Marmara University, Türkiye) **Orcinol enhances gentamicin activity against Pseudomonas aeruginosa PAO1**
PP-36	**İrem BEKRET** (Hacettepe University,Türkiye) **Ethnobotanical uses, phytochemical profile and bioactive potential of Trachystemon orientalis (L.) D.Don.**
PP-37	**Kadriye BENKLİ** (Istanbul Health and Technology University, Turkey) **Design, synthesis, and in vitro evaluation of novel semaxanib–gold and semaxanib–platinum complexes as potential anticancer agents**
PP-38	**Keyarash CALEKEY** (Tehran University, Iran) **Screening of honey-derived flavonoids against pancreatic lipase and Helicobacter pylori urease through pharmacokinetics study, molecular docking, and dynamics simulaiton: A dual-target approach to obesity and infectious disease**
PP-39	**Kimia LAYEGH** (Biruni University, Türkiye) **Optimization of antibacterial carbon quantum dots by artificial neural network-guided microwave synthesis**
PP-40	**Kimia LAYEGH** (Biruni University, Türkiye) **Metformin-integrated carbon quantum dot–based host-directed therapy for intracellular bacterial infections**
PP-41	**Melek KAYA** (İzmir Katip Çelebi University, Türkiye) **Synthesis and anticancer activity of disubstituted triazolopyrimidine derivatives**
PP-42	**Melizsa MELİZSA** (Inonu University, Türkiye) **Molecular docking and molecular dynamics simulations of a novel imidazole-oxime ether derivative (M-15) against CYP51 and FtsZ as a dual-target antimicrobial agent**
PP-43	**Merve ATEŞ** (Anadolu University, Türkiye) **Evaluation of breast cancer awareness among female patients applying to a pharmacy in Bursa**
PP-44	**Merve ÇELİK TEKELİ** (Erciyes University, Türkiye) **Development of itraconazole-loaded polymeric micelles by design of experiments (DoE) approach**
PP-45	**Mohammad Javad Yousefi-Hashemabad** (Babol University, Iran) **TIGIT plus PD-1/PD-L1 inhibition in first-line advanced solid tumors: A meta-analysis of randomized trials**
PP-46	**Müzeyyen AYDIN** (İstanbul University, Türkiye) **Antibiofilm activity of farnesol and Lacticaseibacillus rhamnosus supernatant against Staphylococcus aureus and Pseudomonas aeruginosa mono- and dual-species biofilms**
PP-47	**Nida Almira TUNÇ** (Hacettepe University, Türkiye) **Comparison of the cytotoxic effects of free and alginate–hyaluronic acid mesh-based applications of quercetin and ascorbic acid on MDA-MB-231 cells**

PP-48	**Nihat KURT** (Tokat Gaziosmanpaşa University, Türkiye) **Development and validation of a simple HPLC method for the determination of simvastatin**
PP-49	**Nihat KURT** (Tokat Gaziosmanpaşa University, Türkiye) **TLR7 agonism induces a distinct intracellular metabolomic profile in L929 cells**
PP-50	**Nurdan GÖKDUMAN** (Marmara Universit, Türkiye) **GLP-1R/GIPR dual agonists: Potential effects on neuroinflammation and cognition**
PP-51	**Rawdah ABED** (Biruni University, Türkiye) **Antibacterial and in vitro wound-healing potential of Morus nigra L. leaf-derived carbon quantum dot-loaded hydrogel against methicillin-resistant Staphylococcus aureus**
PP-52	**Sedat Kale** (Yeditepe University, Türkiye) **Isoindoloquinazoline-based hybrids as dual anti-inflammatory and cytotoxic agents**
PP-53	**Selim Kortunay** (Afyonkarahisar Health Sciences University, Türkiye) **Preliminary data: Investigating of (pro)renin receptor gene polymorphism in cardiology patients**
PP-54	**Şevval DEĞER** (Izmir Katip Celebi University, Türkiye) **Synthesis and biological activities of potential antibacterial sulfonylhydrazone derivatives**
PP-55	**Sudebahar Yağmur AKGÜNEŞ** (Fırat University, Türkiye) **Development and characterization of econazole-loaded BSA nanoparticles by Box-Behnken design**
PP-56	**Sudebahar Yağmur AKGÜNEŞ** (Fırat University, Türkiye) **Development and characterization of a berberine-containing, mucoadhesive, in situ rectal gel formulation for the local treatment of radiotherapy-associated proctitis**
PP-57	**Şerife Ezgi ÇETİN** (Izmir Katip Celebi University, Türkiye) **In vitro evaluation of the cytotoxicity and anticancer activity of novel 2-substituted thiazolopyrimidine derivatives in MCF-7 breast cancer cells**
PP-58	**Umut Bora** (Yıldız Technical University, Türkiye) **Targeting inflammation with novel mPGES-1 inhibitors: Synthesis and biological evaluation of benzimidazole derivatives**
PP-59	**Zeliha PARLAR** (Hacettepe University, Türkiye) **Pharmaceutical botany authentication of Myrtus communis L.: Morpho-anatomical characterization**
PP-60	**Zeliha PARLAR** (Hacettepe University, Türkiye) **Towards a pharmacopoeial monograph for Myrtus communis folium: Pharmaceutical botany standardization of a Turkish herbal drug**
PP-61	**Zeyneb Hümeyra GÜL** (Biruni University, Türkiye) **Comparative characterization of carbon quantum dots synthesized using different nitrogen-doping sources**
PP-62	**Zeyneb Hümeyra GÜL** (Biruni University, Türkiye) **Development of a Serratia marcescens-responsive Na-CMC hydrogel for triggered ciprofloxacin release**

PP-63	**Zeynep BAYER** (Gebze Technical University, Türkiye) **Machine learning-based QSAR-guided discovery of CMKLR1 antagonists**
PP-64	**Zeynep Dilşad ASLAN** (University of Health Sciences, Türkiye) **Antiproliferative potential of salicylic acid-, ibuprofen-, and naproxen-derived 1,3,4-oxadiazole derivatives in human cancer cell lines**
PP-65	**Zeynep ERIM** (Trakya University, Türkiye) **miRDeep2-based miRNA profiling identifies candidate biomarkers in testicular germ cell tumors**
PP-66	**Zeynep Nur BAŞAK** (Yeditepe University, Türkiye) **Synthesis, characterization, and chiral separation of novel 1,3,4-oxadiazole-based alcohol derivatives**
PP-67	**Zeynep Sude YALCIN** (İnönü University, Türkiye) **Structure-activity relationship studies and in vitro antiproliferative activity of novel 1-(4-phenyl-2-methyl-1-(4-substitutedphenyl)-1H-pyrrol-3-yl) ethan-1-one derivatives against breast cancer**
PP-68	**Büşra UÇAR EKE** (Hacettepe University, Türkiye) **Development and validation of a square-wave voltammetric method for the determination of naloxone hydrochloride using Eriochrome Black T-modified carbon paste electrode**
PP-69	**Ulku Nisa YILMAZ** (Hacettepe University, Türkiye) **GC-MS-based metabolomics: Workflow, data analysis and applications**
PP-70	**Onur Can YAZICI** (Abant İzzet Baysal University, Türkiye) **Discovery of novel peptidomimetic compounds with computational and experimental methods against tau protein aggregation in Alzheimer's disease: Utilizing an AI method for the determination of the crystal structure of tau**