



9 September 24 - Monday	
Hall A	
12.00	Opening Ceremony Erem Bilensoy, IPTS 2024 Chair Mehmet Cahit Güran, Hacettepe University Rector Chairs: Atilla Hınçal, Erem Bilensoy
12.30	Plenary 1 Gerrit Borchard, University of Geneva, Switzerland "Information medicines - a paradigm change"
13.10	Plenary 2 Jean Christophe Leroux, ETH Zürich, Switzerland "3D printing of drug eluting devices: From prototyping to personalized medicine"
13.50	COFFEE BREAK AND POSTER SESSION Chairs: Marival Bermejo Sanz, Nazlı Erdoğan
14.00	Nikoletta Fotaki, University of Bath, UK "Biopharmaceutics modeling in support of drug product development"
14.30	Fabio Sonvico, Università di Parma, Italy "Dissolution: the missing link for inhalation products?"
15.00	Marival Bermejo Sanz, Miguel Hernandez University, Spain "In vitro predictive dissolution for generic development: BE failures as learning opportunities."
15.30	Anja Bojsen, Technical University of Denmark "Ingestible devices for oral drug delivery and gut sampling"
16.00	COFFEE BREAK AND POSTER SESSION Chairs: Sevda Şenel, Fabio Sonvico
16.30	Werner Weitschies, University of Greifswald, Germany "Recent Innovations in Gastrointestinal Drug Delivery: Challenges and Opportunities"
17.00	Juan M. Iralche, Universidad de Navarra, Spain "Zein nanoparticles: properties and applications in therapeutics"
17.30	Wong Tin Wui, Universiti Teknologi MARA, Malaysia "Challenges in precision cancer nanomedicine development"
Hall B	
Chairs: Betül Arıca Yeğin, Füsün Acartürk	
14.00	Gary Walsh, University of Limerick, Ireland "Biopharmaceutics, status, trends and future"
14.30	Alper İskit, Hacettepe University, Turkey "Global outlook to interchangeability issues in biosimilars"
15.00	Selin Seda Timur, Hacettepe University, Turkey "Quality and technological requirements in biosimilars"
15.30	Reyhan Neslihan Gürsoy, Hacettepe University, Turkey "Risks and challenges of biosimilar product development"
16.00	COFFEE BREAK AND POSTER SESSION Chairs: Selma Şahin, Yağmur Akdağ Çaylı
16.30	F. Handan Öztunca, TITCK Turkey "Current approaches in the regulatory process of generic medicines"
17.00	Zeynep Şafak Teksin, Gazi University, Turkey "bioequivalence in generic products: Risk and failure"
17.30	Sevgi Güngör, İstanbul University, Turkey "Assessment of dermal bioavailability"
Hall C	
Chairs: Tuba İnceçayır, Eren Aytekin	
14.00	Esra Aydınluoğlu, Ashland, Turkey "VialeTM biosorbable polymers for long-acting injectables VialoseTM trehalose dihydrate as stabilizer/lyoprotectant"
14.30	Selected Oral Presentations OP-1 Zeynep İlek Koklu "Experimental design and characterization of dual antibody-conjugated all-trans retinoic acid-loaded nanoparticles for melanoma immunotherapy" OP-2 Meryem Kaplan "Development and in vitro/in vivo evaluation of polymeric microneedles for psoriasis treatment" OP-3 Ece Çobanoğlu "Paclitaxel loaded human serum albumin nanoparticles via microfluidic chip manufacturing process: Is it possible to think as a nanosimilar to abraxane?"
15.00	Selected Oral Presentations OP-4 Hatice Kübra Seki "Optimization and evaluation of 3D bioprinted bi-layered hydrogel dressings for enhanced wound healing applications" OP-5 Aysegül Yıldız "Evaluation of the cytotoxicity and in vitro TNF-α silencing efficiency of the mesalazine and TNF-α siRNA loaded 3D bioprinted hydrogels" OP-6 Cem Varan "Design and characterization of anticancer drug-loaded personalized intrauterine device using 3d printing technology"
15.30	Flash Presentations FP-1 Emre Şefik Çağlar "Use of siRNA-loaded targeted nanoparticles prepared with novel synthesized polymers with high transfection efficiency in the treatment of huntington's disease: in vitro and in vivo evaluation" FP-2 Esra Demirtürk "Spirolactone inclusion complex for improved solubility: Development and evaluation of an immediate-release tablet formulation" FP-3 Aysel Yılmaz "Development and in vitro investigation of bilayer tablets containing an NSAID and a glucocorticoid with different release profiles using FDM 3D printing technology" FP-4 Fatma Kir "Investigation of the intestinal permeability of atenolol and metoprolol in malnutrition" FP-5 Gizem Nur Kök "Synthesis and characterization of agomelatin loaded thermosensitive gels" FP-6 Esra Karataş "Coating of bone morphogenetic protein-2 (BMP-2) loaded nanoparticles and α-tocopherol on titanium dental implants by electrospinning"
16.00	COFFEE BREAK AND POSTER SESSION Chairs: Tuğba Gülsün İnal, Sakine Tuncay Tanrıverdi
16.30	Flash Presentations FP-7 Meliha Güneş "Sustained release of N-Acetyl cysteine via nanofibers: A novel approach to spinal cord Injury treatment" FP-8 Nihal Tuğçe Ozakson "Evaluation of a biphasic in vitro dissolution test to forecast in vivo performance of solid oral dosage forms of bicalutamide" FP-9 Ayşe Nur Oktay "Biopharmaceutics analysis of piroxicam absorption via a dissolution/permeation system employing a hollow fiber membrane (HFM) module" FP-10 Ömer Türkmen "Investigation of cyclodextrin complexation of nadifloxacin for solubility enhancement: A preliminary study" FP-11 Esra Merve Zambak Çotoğlu "The role of particle size and hyaluronic acid-coated on bicalutamide nanoparticles in breast cancer therapy" FP-12 Ahmet Arif Kurt "Synthesis of mucoadhesive polymers and development of nanoparticulate systems for the treatment of keratitis"
10 September 24 - Tuesday	
Hall A	
Chairs: Sevda Şenel, Juan M. Iralche	
09.00	Plenary 3 Elias Fattal, University of Paris-Sud, France "Immunomodulatory nanomedicines"
09.40	Plenary 4 Twan Lammers, RWTH Aachen University Clinic, Germany "Imaging and ai biomarkers to promote cancer nanomedicine clinical translation"
10.20	COFFEE BREAK AND POSTER SESSION Chairs: Elias Fattal, Kivılcım Seyhun
10.40	Caitriona O'Driscoll, University College Cork, Ireland "Innovative advances in non-viral delivery of RNA medicines"
11.10	Koen Raemdonck, University of Ghent, Belgium "Small molecules and peptides to promote intracellular delivery of RNA therapeutics"
11.40	Giuseppe de Rosa, University of Naples Federico II, Italy "Advances in lipid nanovectors for RNA delivery"
12.10	Flash Presentations FP-13 Cem Varan "Personalized nanomedicine for hepatocellular carcinoma: Development and evaluation of exosome and liposome-based sorafenib delivery systems" FP-14 Fatma Al Sulaiti "Impact of polymer stabilizer parameters on the preparation of polymer-based nateglinide nanosuspensions using multiple high pressure homogenization techniques" FP-15 Kübra Kılıç "Fludarabine-loaded poloxamer-coated nanoparticles: Development and in vitro evaluation" FP-16 Dilara Örgül "Formulation and characterization of quercetin cyclodextrin inclusion complex loaded hyaluronic acid/chitosan polyelectrolyte complex for wound dressing applications" FP-17 Meryem Ermiş "Evaluation of cimetidine permeability of across caco-2 cells" FP-18 Aysenur Bezelya "Production and characterization of lysozyme loaded PLGA nanoparticles by microfluidic system"
13.00	LUNCH BREAK Chairs: Reyhan Neslihan Gürsoy, Koen Raemdonck
14.00	Plenary 5 Niklas Sandler, Curify Labs, Finland "Automation of personalised medicine manufacture in pharmacies and hospital pharmacies"
14.40	Sevda Şenel, Hacettepe University, Turkey "Emerging technologies and concepts in vaccinology"
15.10	Cihan Yeşiloğlu, GSK, Turkey "Vaccine development: Advancing technology for a healthier future"
15.40	Sven Stegemann, Leibniz JointLab, Aachen Germany "The future of pharmaceutical technology and the emerging field of cell- and gene therapy - Are we missing something?"
16.10	COFFEE BREAK AND POSTER SESSION Chairs: Betül Arıca Yeğin, Sevgi Takka
16.30	Alf Lamprecht, University of Bonn, Germany "Spray freeze drying as a versatile method for designing enabling formulations"
17.00	René Holm, University of Southern Denmark, Denmark "Suspensions for long acting injectibles – application of in machine learning in defining stable suspensions"
17.30	FFDM Lifetime Achievement Award Ceremony 2024 Award introduction and presentation, Henning Blume Laudation of the CV of the awardee, Gerrit Borchard Awardee acceptance speech, Atilla Hınçal
Hall B	
Chairs: Yılmaz Çapan, Tuğba Gülsün İnal	
10.40	İnci Elif Ergönül, TITCK Turkey "Clinical requirements for the marketing approval of innovative medicines"
11.10	Ali Özüer, AbdiBio, Turkey "The future of biotechnology and accessibility for all patients"
11.40	İrem Çankaya, Hacettepe University, Turkey "Regulatory landscape of dietary supplements and herbal medicines in Türkiye"
12.10	Flash Presentations FP-19 Eda Turan Ayhan "Development and characterization of active targeted gold-polydopamine nanoparticles for tuberculosis treatment" FP-20 Yasin Turanlı "Development and in-vitro characterization of heat-triggered in situ gel formulations loaded with alpha lipoic acid" FP-21 Tülbent Çevikelli "Development of vascular targeted nanoparticles for chemokine receptor antagonist delivery" FP-22 Sinan Özer "Development and in vitro, in vivo evaluation of rutin hydrate loaded eudragit® L100 nanofiber patch" FP-23 Ayşe Nur Oktay "Histological and histochemical examination of rat skin after administration of nanosuspension gel formulation" FP-24 Naile Öztürk "Effect of PVP and HPMC on the supersaturation of telmisartan"
13.00	LUNCH BREAK Chairs: Henning Blume, Zeynep Şafak Teksin
14.00	Henning Blume, Frankfurt Foundation Quality of Medicines, Germany "Bioequivalence of liposomal preparations: are the regulatory requirements too restrictive?"
14.30	Erem Bilensoy, Hacettepe University, Turkey "BE requirements for nanosimilars, EMA and FDA perspectives and the need for global harmonization"
15.00	Gerrit Borchard, University of Geneva, Switzerland "Critical quality attributes for non-bioequivalent drugs: A perspective on iron carbohydrates"
15.30	COFFEE BREAK AND POSTER SESSION Chairs: Nilüfer Tarımcı, Yeşim Aktaş
16.00	Mohammed Qadir, IFF Pharma Solutions, United Kingdom "Rational for Low Nitrite excipients in drug development to reduce Nitrosamine formation"
16.30	Melik Bugra Dogru, BASF, Turkey "New Concept of Formulation Development with ZoomLabTM"
17.00	Nazlı Erdoğan, Hacettepe University, Turkey "Recent developments of novel drug delivery systems for dermal and transdermal applications"
Hall C	
Chairs: İmran Vural, Sibel Pehlivan	
10.40	Shubrata Kedkar, USP, Switzerland Effective use of bioassay standards and case studies
11.10	Selected Oral Presentations OP-7 Ece Türkmen "In vivo evaluation of a bioadhesive topical delivery system for sodium fusidate against mrsa-associated skin infections" OP-8 Emre Tunçel "Development of elastic vesicle systems containing diclofenac sodium and in vitro/ex vivo evaluation" OP-9 Semsi Muratoglu "Electrospun based fixed dose orally disintegrating films of amlodipine besylate and rosuvastatin calcium"
11.40	Selected Oral Presentations OP-10 Sümeyra Pancur "DoE-based development of antiangiogenic drug loaded cyclodextrin polymer nanoparticles prepared by solvent/antisolvent method" OP-11 Nurbanu Demirtürk "Optimization and characterization of rituximab-targeted cyclodextrin nanoparticles for multidrug delivery in the treatment of non-hodgkin lymphoma" OP-12 Gizem Rüya Topal "Development and estimation of erlotinib-loaded lipid nanoparticles to investigate an alternative treatment for breast cancer"
12.30	Selected Oral Presentations OP-13 Ceren Yener "Preparation of transdermal formulations by microfluidic systems" OP-14 Nahide Zeren Arda Öztürk "Protein incorporation to create fully artificial exosome-mimetics" OP-15 Gülşen Aybar Tural "Droplet-based microfluidic production of highly concentrate alginate microspheres for microbot applications"
13.00	LUNCH BREAK Chairs: Sevgi Güngör, Selin Seda Timur
14.40	Selected Oral Presentations OP-16 Fatma Kir "Investigation of drug permeability in malnutrition with cell culture studies" OP-17 Seval Olgac "Exploring protease enzyme selection for protein-structured active ingredient loaded drug formulation with molecular dynamics simulations" OP-18 Gizem Tezel "Memantine loaded magnetic micro/nanomotors for the treatment of alzheimer's disease"
15.10	Selected Oral Presentations OP-19 Sinem Saar "In-vitro and ex-vivo characterization of tenofovir disoproxil fumarate and emtricitabine loaded vaginal nanofiber formulations for pre-exposure prophylaxis" OP-20 Aslı Kara "Green synthesis and comprehensive characterization of silver nanoparticles (agNps): in vitro evaluation of anticancer activity and biocompatibility"
15.30	Flash Presentations FP-25 Asuman Taş "Theranostic fusidic acid containing liposomes for osteomyelitis" FP-26 Jülide Serçeli "Resveratrol-loaded biospired fmooc-ff nanogels with anti-aging and wound healing properties on hacat cells" FP-27 Hanan Fael "Complexation of umifenovir with β-cyclodextrin derivatives: improving solubility and in-vitro antiviral activity"
15.40	Seydreza Goldoosian, Evonik, Germany "Overcoming solubility challenges with EUDRAGIT® functional polymers"
16.10	COFFEE BREAK AND POSTER SESSION Chairs: Ceyda Tuba Şengel Türk, Evren Homan Gökçe
16.30	Stephanie Huang, University of Minnesota, USA Bridging pre-clinical drug screening with patient molecular profiles for biomarker discovery & drug development in cancer
17.00	Nejla Kılıç Arslaner, Anamed, Turkey Applications of microfluidizer® technology for pharmaceutical nano-delivery systems
11 September 24 - Wednesday	
Hall A	
Chairs: Nevin Çelebi, Hakan Eroğlu	
09.00	Plenary 6 James E. Polli, University of Maryland School of Pharmacy, USA "Advancing product quality and accessibility through regulatory science research"
09.40	Kaya Köklü, TIGGES Rechtsanwälte Partnerschaft mbB, Germany "Patents, AI and mRNA technologies – an outlook on the future of the healthcare market"
10.10	Levent Öner, Hacettepe University, Turkey "Complex generics and next generation R&D"
10.50	İbrahim Muaz Yaradılıms, TITCK Turkey "Pricing of human medicinal products"
11.20	COFFEE BREAK AND POSTER SESSION
11.40	PANEL DISCUSSION "Where are we in local R&D and manufacturing of complex and innovative medicines after the pandemic experience" TITCK, TÜSEB, AİFD, İEİS, TİSD, Sector representatives, CROs, SMEs, Academia Moderator: Prof. Dr. Erem Bilensoy <ul style="list-style-type: none"> Dr. F. Handan Öztunca, TITCK Prof. Dr. Serhat Ünal, Hacettepe University Dr. Ümit Dereli, AİFD Dr. Onur Tırnakçı, İEİS Dr. Sami Türkoğlu, TİSD Doğan Taşkent, Atabay İlaç Dr. Ecza Abdullh Uslu, Nobel İlaç Onursal Sağlam, Novagenix Begüm Buğdaycı, Kobay
13.00	AWARDS AND CLOSING CEREMONY