

September 26, Saturday 2026

09:00 – 11:00 Parallel Sessions

09:00 – 11:00 Session 10
Toscana I. Plenary Hall

Pharmaceutical Technology, Drug Delivery V.

Chairs: Zoltán Ujhelyi, Prof. Ildikó Csóka

09:00 – 09:20 **Investigation of the Effectiveness of Pigments for Protection of Photosensitive Drugs During Laser Marking of Solid Dosage Forms (Keynote)**
Hadi Shammout¹, Krisztina Ludasi¹, Béla Hopp², Judit Kopniczky², Tamás Smausz², Bence Sipos¹, János Bohus³, Orsolya Jójárt-Laczkovich¹, Flórián Benkő¹, Tamás Sovány¹
¹Institute of Pharmaceutical Technology and Regulatory Affairs; ²Department of Optics and Quantum Electronics, University of Szeged; ³ELI-ALPS Research Institute, ELI-HU Non-Profit Ltd., Szeged, Hungary

09:20 – 09:35 **Flurbiprofen-Loaded Gummy Tablets: A Patient-Friendly Strategy for Individuals with Swallowing Difficulties**
Başak Firdevs Dilara Tokgöz¹, Saadet Serra Aydin², Sıla Gülbağ Pinar¹
¹Department of Pharmaceutical Technology; ²Department of Pharmaceutical Biotechnology, Faculty of Pharmacy, Süleyman Demirel University, Isparta, Türkiye



09:35 – 09:50

Oral Delivery of Calcium Butyrate: Comparison of Bulk Form and Water-in-Oil Microemulsion System

Emre Şefik Çağlar¹, Mehmet Evren Okur², Liban Barre³, Mustafa Sinan Kaynak⁴, Neslihan Üstündağ Okur⁵

¹*Department of Pharmaceutical Biotechnology, Faculty of Pharmacy, University of Health Sciences, İstanbul;*

²*Department of Pharmacology, Faculty of Pharmacy, University of Health Sciences, İstanbul;* ³*Department of Pharmaceutical Technology, Graduate School, Anadolu University, Eskişehir;* ⁴*Department of Pharmaceutical Technology, Faculty of Pharmacy, Anadolu University, Eskişehir;* ⁵*Department of Pharmaceutical Technology, Faculty of Pharmacy, University of Health Sciences, İstanbul, Türkiye*

09:50 – 10:05

Diclofenac Sodium–Boswellia Serrata Nanoemulgel for Topical Anti-Inflammatory Delivery: Development and Physicochemical Evaluation

Tutku Su Akbulut, Nailla Jiwa

Near East University, Nicosia, Turkish Republic of Northern Cyprus

10:05 – 10:20

Electrospinning Optimization of PVA and Antimicrobial Peptide-Loaded PVA Dressings

Hanna Marta Nellis¹, Liis Preem¹, Mandelie van der Walt², Andres Meos¹, Anabella Gaspar², Megan Bester², James A. Mason³, Karin Kogermann¹

¹*Institute of Pharmacy, University of Tartu, Tartu, Estonia;*

²*Department of Biochemistry, Genetics and Microbiology, University of Pretoria, Pretoria, South Africa;* ³*Institute of Pharmaceutical Science, King's College London, London, United Kingdom*

10:20 – 11:00

Discussion

11:00 – 11:30

Coffee Break

09:00 – 11:00 Session 11
Marbella Hall

Pharmacology and Technology

Chairs: Gábor Katona, Kelli Randmäe

- 09:00 – 09:20 **CNS-Selective Estrogen Delivery via the DHED Prodrug: Targeting Neurological, Psychiatric, and Neurodegenerative Diseases (Keynote)**
Katalin Prokai-Tatrai, Laszlo Prokai
Department of Pharmacology and Neuroscience, College of Biomedical and Translational Sciences, University of North Texas Health Science Center, Fort Worth, Texas, USA
- 09:20 – 09:40 **AI-Based Prediction And Prevention of Drug Adverse Effects by Real World Data: Focus on Anticoagulation (Keynote)**
Miia Tiihonen
University of Eastern Finland, Kuopio, Finland
- 09:40 – 09:55 **Development and Evaluation of Allantoin-Containing Hydrogel Formulations for Scar Treatment**
Ece Türkmen, Elif Tandoğaç, Nevin Çelebi
Department of Pharmaceutical Technology, Faculty of Pharmacy, Baskent University, Ankara, Türkiye
- 09:55 – 10:10 **Development and Characterization of Vegan Levetiracetam Gummies as a Novel Patient-Friendly Dosage Form**
Hazal Ezgi Gültekin
Turkish Medicines and Medical Devices Agency, Ankara, Türkiye



10:10– 10:25

Formulation, Characterization and Ocular Irritation Evaluation of a Dual-Component (Hesperidin–Hyaluronic Acid) Ocular In Situ Gel for Drug Delivery

Ece Özcan-Bülbül¹, Ghadah Attal², Hande Sipahi³, Neslihan Üstündağ Okur⁴

¹Department of Radiopharmacy, Faculty of Pharmacy, University of Health Sciences; ²Faculty of Pharmacy, University of Health Sciences; ³Department of Toxicology, Faculty of Pharmacy, University of Health Sciences; ⁴Department of Pharmaceutical Technology, Faculty of Pharmacy, University of Health Sciences, Istanbul, Türkiye

10:25 – 10:40

Sigma-1 Receptor is a New Anti-Glaucoma Target: Preclinical Development of a Novel Eye-Drop

Judit Hodrea^{1,2}, Timea Medveczki¹, Akos Toth¹, Tamas Lakat¹, Anna Takacsi-Nagy³, Gyorgy Torok⁴, Eva Csosz⁵, Illes Kovacs^{6,7}, Vien Nguyen⁸, George C. Neagu⁸, Ammar Kopic⁸, Katalin Prokai-Tatrai⁸, Laszlo Prokai⁸, Andrea Fekete^{1,2}

¹MTA-SE Lendület “Momentum” Diabetes Research Group; ²Pediatric Center, MTA Center of Excellence, Semmelweis University, Budapest; ³PannonPharma Pharmaceutical Ltd., Pécsvárad; ⁴Department of Biophysics and Radiation Biology, Semmelweis University, Budapest; ⁵Proteomics Core Facility, Department of Chemistry and Molecular Biology, University of Debrecen, Debrecen; ⁶Department of Ophthalmology, Semmelweis University, Budapest, Hungary; ⁷Department of Ophthalmology, Weill Cornell Medical College, New York, NY; ⁸Department of Pharmacology and Neuroscience, University of North Texas Health Science Center, Fort Worth, Texas, USA

10:40 – 11:00

Discussion

11:00 – 11:30

Coffee Break

09:00 – 11:00 Session H4
Toscana II. Hall

Session in Hungarian

**Off-label gyógyszeralkalmazás jelentősége,
nehézségei**

Üléselnök: Bodó Gabriella

**09:00 – 09:20 Az off-label gyógyszeralkalmazás jelentősége és
nehézségei**

Sebők Szilvia

*SE Egyetemi Gyógyszertár Gyógyszerügyi Szervezési
Intézet, Budapest*

**09:20 – 09:40 Off-label gyógyszeralkalmazás a
gyermekgyógyászati gyakorlatban,
a klinikai gyógyszerész szerepe**

Haraga Viktória^{1,2}, Bereczki Csaba²

SZTE SZAKK ¹Klinikai Gyógyszerészeti Intézet,

*²Gyermekgyógyászati Klinika és Gyermekegészségügyi
Központ, Szeged*

**09:40 – 09:55 Off-label gyógyszeralkalmazás a
fájdalomterápiában: 95%-os etanol alkalmazása
neurolysis során**

Magyar Mária, Lőrinczné Hotzi Judit, Sütő Renáta,
Buchholcz Gyula

DE KK Egyetemi Gyógyszertár, Debrecen

**09:55 – 10:10 Off-label gyógyszeralkalmazás kórházi
környezetben: magisztrális megoldások a
mindennapi gyakorlattól az egyedi esetekig**

Kiss Boglárka, Botz Lajos

PTE KK Klinikai Gyógyszerészeti Intézet, Pécs



10:10 – 10:25 **Humán koriongonadotropin tartalmú gyógyszerek felhasználás Magyarországon – off-label indikációk és dózisok**

Guczogi Annamária, Lovas Kornélia, Csupor Dezső
SZTE SZAKK Klinikai Gyógyszerészeti Intézet, Szeged

10:25 – 10:40 **Interleukinreceptor-gátlók off-label alkalmazása refrakter status epilepticusban**

Baranyai Borbála, Szabó Szilárd, Sebők Szilvia
SE Egyetemi Gyógyszertár Gyógyszerügyi Szervezési Intézet, Budapest

10:40 – 10:55 **Intravénás immunglobulinok off-label alkalmazása reumatológiai és szisztémás autoimmun betegségekben – szerény evidenciák, kedvező tapasztalatok**

Takács Gábor, Bezsila Katalin, Barkó Zsuzsanna, Sárvári Dóra
Betegápoló Irgalmasrend, Budai Irgalmasrendi Kórház, Budapest

10:55 – 11:00 Diszkusszió

11:00 – 11:30 *Coffee Break*

11:30 – 12:30 Plenary Session 3
Toscana I. Plenary Hall

Chairs: János Gyimesi, Prof. Ildikó Bácskay

11:30 – 12:00 **Digitalization in the Pharma Industry: Opportunity or Challenge?**

Zoltán Finta
Head of Digitalization, Industrial Operation Euroapi, Budapest, Hungary

12:00 – 12:30 **Silicone-Based Transdermal Patch Development:
Translating Academic Innovation into Preclinical
Reality**

Erika Pintér

*Pharmacology and Pharmacotherapy, Faculty of
Medicine, University of Pécs, Pécs, Hungary*

12:30 – 13:00 Closing Ceremony
Toscana I. Plenary Hall

13.00 Lunch break, Traveling home