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Smarter Medicine — Better Care

International Conference on Pharmaceutical Sciences

September 24–26, 2026
Siófok – Hungary

KGYSZ SZATELLITA SZIMPÓZIUM

SCIENTIFIC PROGRAM

The Scientific Committee reserves the right to make changes to the program.

SEPTEMBER 24, THURSDAY

11:00 – 18:00 Registration

12:00 – 13:00 Lunch Break

13:00 – 13:45 OPENING CEREMONY

13:45 – 14:00 Celebration of World Pharmacists Day
Empowering Pharmacists for Healthier Futures

14:00 – 15:00 PLENARY SESSION I.

14:00 – 14:30 Nanomedicine for RNA Delivery: Towards Precision Medicine?

Giuseppe De Rosa

*Professor at Department of Pharmacy and Pharmaceutical Technology,
University of Naples, Federico II, Naples, Italy*

14:30 – 15:00 Seeing with Many Eyes: A Shared Vision for Medication Stewardship

András Süle

*European Association of Hospital Pharmacists, Belgium; Faculty of Pharmacy, University of Pécs,
Hungary; Péterfy Hospital and Outpatient Clinic, Budapest, Hungary*

15:00 – 15:30 Coffee Break



II BBBB

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Smarter Medicine – Better Care

International Conference on Pharmaceutical Sciences



September 24–26, 2026

Siófok – Hungary

KGYSZ SZATELLITA SZIMPÓZIUM

15:30 – 17:30 PARALLEL SESSIONS

15:30 – 17:30 SESSION I.

INNOVATIVE PHARMACEUTICAL TECHNOLOGY, DRUG DELIVERY I.

15:30 – 15:50 **2- 3D and 4D Printing as Promising Technologies for Innovative and Personalized Pharmaceuticals for Cancer (Keynote)**

Erem Bilensoy

Pharmaceutical Technology at Hacettepe University Faculty of Pharmacy, Türkiye

15:50 – 16:10 **Automated Semi-Solid Extrusion Printed Zopiclone Tablets for Dose Tapering for Withdrawal Medication Regimen (Keynote)**

Karoliina Inno^{1,2}, Andres Meos¹, Karin Kogermann¹, Jana Lass^{1,2}

¹Institute of Pharmacy, University of Tartu; ²Tartu University Hospital, Tartu, Estonia

16:10 – 16:30 **Targeting Cancer Cells by the Macropinocytosis of Cyclodextrins (Keynote)**

Ferenc Fenyvesi¹, Csenge Urgyán¹, Katalin Réti-Nagy¹, István Hajdu²,

György Trencsényi²

¹Department of Molecular and Nanopharmaceutics; ²Division of Nuclear Medicine and Translational Imaging, Department of Medical Imaging, University of Debrecen, Debrecen, Hungary

16:30 – 16:45 **Enhancing Intradermal Delivery of Penciclovir Using SLA-Fabricated Dissolving Microneedles**

Ceren Koca^{1,2}, Ebru Altuntaş², Zakaria Ouzaid^{1,2}, Aslı Gürbüz Yurtsever²,

Meryem Sedef Erdal²

¹Department of Pharmaceutical Technology, Graduate School of Health Sciences;

²Department of Pharmaceutical Technology, Faculty of Pharmacy, Istanbul University

16:45 – 17:00 **Nanofibrous Drug Delivery Systems: From Local Antibacterial Therapy to Orodispersible Formulations**

Luca Éva Uhlar, Rita Ambrus

Institute of Pharmaceutical Technology and Regulatory Affairs, University of Szeged, Szeged, Hungary



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Smarter Medicine — Better Care

International Conference on Pharmaceutical Sciences

September 24–26, 2026

Siófok – Hungary

KGYSZ SZATELLITA SZIMPÓZIUM

17:00 – 17:15 Development of Extra-Fine Inhalable Vancomycin Particles for Targeted Pulmonary Therapy

Petra Party¹, Dilay Göksel^{1,2}, Árpád Farkas³, Dóra Paróczai^{4,5}, Katalin Burián⁴, Rita Ambrus¹

¹*Institute of Pharmaceutical Technology and Regulatory Affairs, Faculty of Pharmacy, University of Szeged, Szeged, Hungary;* ²*Faculty of Pharmacy, Ege University, İzmir, Türkiye;* ³*Environmental Physics Department, HUN-REN Centre for Energy Research, Budapest, Hungary;* *Albert Szent-Györgyi Medical School, University of Szeged;* ⁴*Department of Medical Microbiology and Immunobiology,* ⁵*Department of Pulmonology, Szeged, Szeged, Hungary*

17:15 – 17:30 Discussion

15:30 – 17:30 PARALLEL SESSIONS

15:30 – 17:30 SESSION II.

PHARMACOLOGY, PHARMACEUTICAL AND GREEN CHEMISTRY

15:30 – 15:50 Discovery of Caspase-1 and Caspase-6 Targeted Small Molecules for Neuroinflammation and Neurodegeneration (Keynote)

Damijan Knez

Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Ljubljana, Slovenia

15:50 – 16:10 Cytoprotective mechanisms of resveratrol derivatives and their structure-activity relationships (Keynote)

Tamás Tábi, Kamilla Varga, Alexandra Paszternák, Noémi Sikur, Éva Szökő

Department of Pharmacodynamics, Semmelweis University, Budapest, Hungary

16:10 – 16:25 Static and Dynamic Supramolecular Molecules for Cancer Treatment

Florent Perret, Laurent Vial, Charlotte Roussillon, Lilou Perromat, Titouan Chetot

Laboratoire de Chimie ENS-Lyon, Lyon, France



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Smarter Medicine — Better Care

International Conference on Pharmaceutical Sciences

September 24–26, 2026
Siófok – Hungary

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16:25 – 16:40 **Design and Optimization of Talazoparib-Loaded Thermosensitive Rhamnosomes for Metastatic Breast Cancer Therapy**

Esra Merve Zambak Çotaoglu¹, Ozgur Esim¹, Meral Sarper², Kubra Kilic³, Gizem Rüya Topal³, Cansel Kose Ozkan¹, Ayhan Savaser¹, Yalcin Ozkan²

¹Department of Pharmaceutical Technology, Gulhane Faculty of Pharmacy; ²Gulhane Institute of Health Sciences; ³Department of Pharmaceutical Biotechnology, Gulhane Faculty of Pharmacy, University of Health Sciences, Ankara, Türkiye

16:40 – 16:55 **SGLT2 Inhibitors Modulate Doxorubicin-Induced Cardiotoxicity**

Alexandra Gyöngyösi, Richard Kajtár, Simon Eskeif, Istvan Bak, Istvan Lekli
Department of Pharmacodynamics, Faculty of Pharmacy, University of Debrecen, Debrecen, Hungary

16:55 – 17:10 **Tryptophan Metabolism in Migraine**

Kinga Gecse^{1,2,3}, Dóra Török^{1,2,3}, Dániel Baksa^{1,2,3,4}, Csaba Sándor Aranyi⁵, Miklós Emri⁵, Gyöngyi Kökönyei^{1,2,3,6}, György Bagdy^{1,2,3}, Gabriella Juhasz^{1,2,3}

¹Department of Pharmacodynamics, Faculty of Pharmaceutical Sciences; ²Center of Pharmacology and Drug Research and Development; ³NAP3.0-SE Neuropsychopharmacology Research Group, Hungarian Brain Research Program, Semmelweis University, Budapest; ⁴Department of Personality and Clinical Psychology, Institute of Psychology, Pázmány Péter Catholic University, Budapest; ⁵Division of Nuclear Medicine and Translational Imaging, Department of Medical Imaging, Faculty of Medicine, University of Debrecen, Debrecen, Hungary; ⁶Institute of Psychology, Eötvös Loránd University, Budapest, Hungary

17:10 – 17:30 Discussion

17:30 – 19:00 “MEET THE EXPERTS” INTERACTIVE POSTER SESSION I.

20.00 Welcome Reception in the Hotel Restaurant



II BBBB

balaton-bled-baltic-bosporus

Smarter Medicine — Better Care

International Conference on Pharmaceutical Sciences

September 24–26, 2026
Siófok – Hungary

KGYSZ SZATELLITA SZIMPÓZIUM

SEPTEMBER 25, FRIDAY

08:30 – 09:30 POSTER AND COFFEE

09:30 – 11:00 PARALLEL SESSIONS

09:30 – 11:00 SESSION IV.

INNOVATIVE AND SUSTAINABLE PHARMACEUTICAL TECHNOLOGY, DRUG DELIVERY

09:30 – 09:50 **New OINDPs Guidelines – Reality vs. Regulatory Expectations (Keynote)**

Yıldız-Peköz Ayca

Pharmaceutical Technology Istanbul University, Istanbul, Türkiye

09:50 – 10:10 **Promoting an Innovation Friendly and Competitive Environment in the New Pharmaceutical Legislation (Keynote)**

Herta Pálfiné Goóts

*Hungarian Regulatory Affairs Association, Regulatory Committee at the Hungarian
Pharmaceutical Manufacturers' Association, Budapest, Hungary*

10:10 – 10:25 **Nanostructured Lipid Carriers Enhance Skin Delivery and Antipsoriatic Efficacy of Tazarotene Compared with Nanoemulsions**

Ash Gürbüz Yurtsever¹, İmren Esentürk-Güzel²,

Mohammad Reza Eshaghi Khanghah^{1,3}, Salime Pelin Ergüven⁴, Kübra Şevgin⁴,

Aysegül Ekmekcioglu⁵, Meltem Muftuoğlu^{5,6}, Meryem Sedef Erdal¹

¹Department of Pharmaceutical Technology, Faculty of Pharmacy, Istanbul University; ²Department of Pharmaceutical Technology, Hamidiye Faculty of Pharmacy, University of Health Sciences;

³Department of Pharmaceutical Technology, Faculty of Pharmacy, Bahçeşehir University;

⁴Department of Histology and Embryology, Hamidiye International Faculty of Medicine, University of Health Sciences; ⁵Department of Medical Biotechnology, Graduate School of Health Sciences,

Acıbadem Mehmet Ali Aydınlar University; ⁶Department of Molecular Biology and Genetics, Faculty of Engineering and Natural Sciences, Acıbadem Mehmet Ali Aydınlar University, Istanbul, Türkiye



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Smarter Medicine — Better Care

International Conference on Pharmaceutical Sciences

September 24–26, 2026
Siófok – Hungary

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10:25 – 10:40 **Development and Characterization of Avocado Oil- and Rosehip Oil Containing Microemulsions and Microemulsion Based Insitu Gels for Anti-Aging Applications**

Gökçe Karaotmarlı Güven^{1,2}, Medine Kahraman², Neslihan Üstündağ Okur²

¹*Department of Pharmaceutical Technology, Faculty of Pharmacy, Biruni University,*

²*Department of Pharmaceutical Technology, Faculty of Pharmacy, University of Health Sciences, İstanbul, Türkiye*

10:40 – 11:00 Discussion

11:30 – 12:00 *Coffee Break*

09:30 – 11:00 PARALLEL SESSIONS

09:30 – 11:00 SESSION V.

PHARMACEUTICAL ANALYTICS, MODELING I.

09:30 – 09:50 **Testing Antimicrobial Activity of Electrospun Nanofibers: From Standard Assays to Taylored Method (Keynote)**

Liis Preem

Institute of Pharmacy, University of Tartu, Estonia

09:50 – 10:10 **Simulation of Powder Compaction for More Reliable Tablet Design (Keynote)**

Dorian Laszlo Galata, Csaba Sinka

School of Engineering, University of Leicester, Leicester, United Kingdom

10:10 – 10:25 **In Vitro + in Silico: Advanced Tools for Oral Absorption Prediction**

Balint Sinko¹, Samuel Lee², Karl Box³

¹*Pion Inc., Billerica, MA, USA;* ²*Pion Inc (UK) Ltd., Forest Row, UK*



II BBBB

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Smarter Medicine — Better Care

International Conference on Pharmaceutical Sciences

September 24–26, 2026
Siófok – Hungary

KGYSZ SZATELLITA SZIMPÓZIUM

10:25 – 10:40 **Effect of Cyclodextrin Complexation on the Simultaneous Separation of Insulin Analogues**

Csenge Kis¹, Zoltán István Szabó², Emese Sipos²

¹Department of Physical Chemistry; ²Department of Pharmaceutical Industry and Biotechnologies, George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș, Târgu Mureș, Romania

10:40 – 11:00 Discussion

11:00 – 11:30 *Coffee Break*

11:30 – 13:00 PLENARY SESSION II.

11:30 – 12:00 **Nucleoside-Modified mRNA: The Past, Present and Future**

Norbert Pardi

Department of Microbiology of the Perelman School of Medicine, Pennsylvania

12:00 – 12:30 **Advanced Drug Delivery Systems for Brain Repair and Neurorestoration**

María Blanco Prieto

Past President of EUFEPS, University of Navarra, Spain

12:30 – 13:00 **Development of a Health Industry Innovation Ecosystem Through University and Corporate Collaboration**

Balázs Lendvai

Department of Pharmacology and Drug Safety Richter Gedeon Plc., Budapest, Hungary

13:00 – 14:30 *Lunch Break*



II BBBB

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Smarter Medicine — Better Care

International Conference on Pharmaceutical Sciences



September 24–26, 2026

Siófok – Hungary

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14:30 – 16:00 PARALLEL SESSIONS

14:30 – 14:50 SESSION VI.

PHARMACEUTICAL TECHNOLOGY, DRUG DELIVERY III.

14:30 – 14:50 **Printing in Personalised Drug Delivery: Ink Formulation Stability Improvement via a Dry Pre Formulation Approach (Keynote)**

Barbara Sterle Zorec, Rok Dreu

Department of Pharmaceutical Technology, Faculty of Pharmacy, University of Ljubljana, Slovenia

14:50 – 15:10 **A Buccal mRNA LNP Delivery Platform: A Needle-Free Alternative to Vaccination (Keynote)**

Edit Hirsch¹, Judit Szeip¹, Eszter Pantea¹, György J. Marosi¹, Norbert Pardi², Zsombor K. Nagy¹

¹*Budapest University of Technology and Economics, Budapest, Hungary;*

²*University of Pennsylvania, Philadelphia, USA*

15:10 – 15:25 **Gum Arabic as a Novel Film-Forming Biopolymer for Lysozyme-Loaded Buccal Drug Delivery Systems**

Yousif H-E.Y. Ibrahim^{1,2}, Gábor Katona¹, Alharith A. A. Hassan^{1,3}, Krisztina Ludasi¹, Tamás Sovány¹, Géza Regdon jr¹, Katalin Kristó¹, Krisztián Pamlényi¹

¹*Institute of Pharmaceutical Technology and Regulatory Affairs, University of Szeged, Szeged, Hungary;* ²*Pharmaceutics Department, Faculty of Pharmacy, Omdurman Islamic University, Omdurman, Sudan;* ³*Department of Pharmaceutics, Faculty of Pharmacy, University of Khartoum, Khartoum, Sudan*

15:25 – 15:40 **Design and Evaluation of Lyophilized Curcumin-Loaded Mucoadhesive Buccal Wafers Containing Deep Eutectic Solvent via Design of Experiments**

Melike Zeynep Unukur Sevim^{1,2,*}, Muhammet Davut Arpa¹, Kubra Kolci^{3,4}, Hande Sipahi^{3,5}, Neslihan Ustundag Okur²

¹*Department of Pharmaceutical Technology, Pharmacy School, Istanbul Medipol University;*

²*Department of Pharmaceutical Technology, Pharmacy School;* ³*Department Doctoral Program of Pharmaceutical Toxicology, Graduate School of Health Sciences;* ⁴*Department of Pharmaceutical Toxicology, Faculty of Pharmacy, University of Health Sciences;* ⁵*Department of Pharmaceutical Toxicology, Faculty of Pharmacy, Acibadem Mehmet Ali Aydınlar University, Istanbul, Türkiye*



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Smarter Medicine — Better Care

International Conference on Pharmaceutical Sciences

September 24–26, 2026
Siófok – Hungary

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15:40 – 16:00 Discussion

14:30 – 16:00 PARALLEL SESSIONS

14:30 – 16:00 SESSION VII.

INDUSTRIAL PHARMACY

14:30 – 14:50 Liquid Metal-Based Hydrogel Patch Enabling Controlled Drug Release (Keynote)

Jinbo Li, Hongbo Zhang

Abo Akademi University, Turku, Finland

14:50 – 15:10 Application of Microfluidics in the Development of Oil-In-Water Emulsions Stabilized with Selected Natural Gums (Keynote)

Dragana Zaklan¹, Jovana Milutinov¹, Bojan Petrovic¹, Sanja Kojic²,
Nebojsa Pavlovic¹

¹Faculty of Medicine; ²Faculty of Technical Sciences, University of Novi Sad, Novi Sad, Serbia

15:10 – 15:30 Special challenges of pediatric drug trials

Csaba Bereczki

University of Szeged, Department of Pediatrics, Szeged, Hungary

15:30 – 15:45 Development and Characterization of Ivermectin-Loaded Microemulsion-Based Topical Gel Formulations

Nurseli Saylam¹, Özlem Çoban², Gülgün Yener³

¹Department of Pharmaceutical Technology, Karadeniz Technical University, Faculty of Pharmacy, Trabzon; ²Turkish Medicines and Medical Devices Agency, Ankara; ³Department of Pharmaceutical Technology, İstanbul University, Faculty of Pharmacy, İstanbul; Türkiye



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Smarter Medicine – Better Care

International Conference on Pharmaceutical Sciences

September 24–26, 2026
Siófok – Hungary

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15:45 – 16:00 Calcium Butyrate Loaded Hydrogels for Enhanced Topical Treatment of Skin Disorders

Ayşe Pınar Yağcılar¹, İrem Sirkeci², Ayşegül Yoltaş³, Neslihan Üstündağ Okur⁴

¹Department of Radiopharmacy, University of Health Sciences; ²School of Health Services, Bezmialem Vakıf University; ³Department of Biology, Fundamental and Industrial Microbiology Division, Faculty of Science, Ege University; ⁴Department of Pharmaceutical Technology, University of Health Sciences Istanbul, Istanbul, Türkiye

16:00 – 16:10 Discussion

16:10 – 16:30 Coffee Break

16:30 – 18:00 PARALLEL SESSIONS

16:30 – 18:00 SESSION VIII.

PHARMACEUTICAL TECHNOLOGY, DRUG DELIVERY IV.

16:30 – 16:50 Formulation of Live Viruses with Electrospraying and Electrospinning: Novel Approach to Enhance Oral and Pulmonary Vaccinations (Keynote)

András Marosi¹, Bettina Fazekas², Edit Hirsch²

¹Department of Microbiology and Infectious Diseases, University of Veterinary Medicine;

²Department of Organic Chemistry and Technology, Budapest University of Technology and Economics, Budapest, Hungary

16:50 – 17:10 Development of Novel Thiolated Albumin Nanocarriers for Improved Local Nasal Antibiotic Therapy (Keynote)

Gábor Katona¹, Hanan Mohammad¹, Maher Darwish^{2,3}, Bence Sipos¹, Ildikó Csóka¹

¹Institute of Pharmaceutical Technology and Regulatory Affairs, Faculty of Pharmacy; ²Department of Optics and Quantum Electronics, University of Szeged, Szeged, Hungary; ³Department of Pharmaceutical Chemistry and Drug Control, Faculty of Pharmacy, Wadi International University, Homs, Syria



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Smarter Medicine – Better Care

International Conference on Pharmaceutical Sciences



September 24–26, 2026

Siófok – Hungary

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17:10 – 17:25 Nadolol Loaded Self Emulsifying Drug Delivery System (SEDDS) for Oral Delivery: Formulation, Characterization, In Vitro Cell and In Situ Single Pass Intestinal Perfusion Studies

Esra İpekci¹, Emre Şefik Çağlar³, Mustafa Sinan Kaynak⁴, Evren Gündoğdu⁵, Neslihan Üstündağ Okur¹

¹Department of Pharmaceutical Technology; ³Department of Biotechnology, Faculty of Pharmacy, University of Health Sciences, İstanbul; ⁴Department of Pharmaceutical Technology, Faculty of Pharmacy, Anadolu University, Eskişehir; ⁵Department of Radiopharmacy, Faculty of Pharmacy, Ege University, İzmir; Türkiye

17:25 – 17:40 Preparation and in Vitro Characterisation of Orally Disintegrating Films Containing Nystatin-PEG Solid Dispersion for the Treatment of Oral Candidiasis Using the Electrospinning Method

Özlem Çoban¹, Vildan Serdaroğlu², Canan Çakır Çoban²

¹Turkish Medicines and Medical Devices Agency, Ankara, ²Karadeniz Technical University, Drug and Pharmaceutical Technology Application and Research Center, Trabzon, Türkiye

17:40 – 18:00 Discussion

16:30 – 18:00 PARALLEL SESSIONS

16:30 – 18:00 SESSION IX.

PHARMACEUTICAL ANALYTICS, MODELING II.

16:30 – 16:50 Preclinical Characterization of Novel Antimicrobial Materials from Laboratory to Living Systems (Keynote)

Kelli Randmäe

Pharmacy at the Institute of Pharmacy, University of Tartu, Tartu, Estonia

16:50 – 17:10 Controlling the Drug Release and Permeation Profile of Nasal Polymeric Micelles: Feasibility Studies (Keynote)

Bence Sipos, Gábor Katona, Ildikó Csóka

Institute of Pharmaceutical Technology and Regulatory Affairs, University of Szeged, Szeged, Hungary



II BBBB

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Smarter Medicine – Better Care

International Conference on Pharmaceutical Sciences



September 24–26, 2026

Siófok – Hungary

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17:10 – 17:25 **Rapid Surface Mapping of Pharmaceutical Tablets:**

UV Reflectance Imaging for Component Distribution Analysis

Lajos Madarász, Lilla Alexandra Mészáros, Nagy Zsombor Kristóf

Department of Organic Chemistry and Technology, Faculty of Chemical Technology and Biotechnology, Budapest University of Technology and Economics, Budapest, Hungary

17:25 – 17:40 **Dissolution Testing Using Electrochemical Techniques**

Barna Kovács, Krisztina Ferenczi, Szilárd Pál, Aleksandar Széchenyi

Institute of Pharmaceutical Technology and Biopharmacy, Faculty of Pharmacy, University of Pécs, Pécs, Hungary

17:40 – 18:00 Discussion

18:00 – 19:00 POSTER AND COFFEE

20.00 *Congress Dinner in the Hotel Restaurant*

SEPTEMBER 26. SATURDAY

09:00 – 11:00 PARALLEL SESSIONS

09:00 – 11:00 SESSION X.

PHARMACEUTICAL TECHNOLOGY, DRUG DELIVERY V.

09:00 – 09:20 **Investigation 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



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Smarter Medicine – Better Care

International Conference on Pharmaceutical Sciences

September 24–26, 2026
Siófok – Hungary

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09:20 – 09:35 **Flurbiprofen-Loaded Gummy Tablets:**

A Patient-Friendly Strategy for Individuals with Swallowing Difficulties

Başak Firdevs Dilara Tokgöz¹, Saadet Serra Aydın², 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

¹Department of Pharmaceutical Biotechnology, Faculty of Pharmacy; ²Department of Pharmacology,
Faculty of Pharmacy; ³Department of Pharmaceutical Technology, Faculty of Pharmacy, University
of Health Sciences, İstanbul, Türkiye; ⁴Department of Pharmaceutical Technology, Graduate
School; ⁵Department of Pharmaceutical Technology, Faculty of Pharmacy, Anadolu University,
Eskişehir, 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

¹Institute of Pharmacy, University of Tartu, Estonia ; ²Department of Biochemistry, Genetics and
Microbiology, University of Pretoria, South Africa; ³Institute of Pharmaceutical Science, King's
College London, United Kingdom

10:20 – 11:00 Discussion

11:00 – 11:30 Coffee Break



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Smarter Medicine — Better Care

International Conference on Pharmaceutical Sciences

September 24–26, 2026

Siófok – Hungary

KGYSZ SZATELLITA SZIMPÓZIUM

09:00 – 11:00 PARALLEL SESSIONS

09:00 – 11:00 SESSION XI.

PHARMACOLOGY AND TECHNOLOGY

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

09:20 – 09:40 **AI-Based Prediction And Prevention of Drug Adverse Effects by Real World Data: Focus on Anticoagulation (Keynote)**

Miia Tiitonen

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, Turkey

09:55 – 10:10 **Development and Characterization of Vegan Levetiracetam Gummies as a Novel Patient-Friendly Dosage Form**

Hazal Ezgi Gültekin

Department of Pharmaceutical Technology, İzmir Katip Çelebi University, İzmir, 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; ²Department of Toxicology, Faculty of Pharmacy; ³Department of Pharmaceutical Technology, Faculty of Pharmacy, University of Health Sciences, İstanbul, Türkiye



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Smarter Medicine — Better Care

International Conference on Pharmaceutical Sciences



September 24–26, 2026

Siófok – Hungary

KGYSZ SZATELLITA SZIMPÓZIUM

10:25 – 10:40 Innovation in Glaucoma Therapy: Development of a Novel Sigma-1 Receptor Agonist Eye Drop from Bench to First-in-Human

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 Kapic⁸, Katalin Prokai-Tatrai⁸, Laszlo Prokai⁸, Andrea Fekete^{1,2}

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

10:40 – 11:00 Discussion

11:00 – 11:30 Coffee Break

11:30 – 12:40 PLENARY SESSION III.

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

Zoltán Finta

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, PécsHungary

12:30 – 13:00 CLOSING CEREMONY

13.00 Lunch, Travel