



Vienna 2025, Pharmaceutical Sciences in the Heart of Europe
Joint EUFEPS / ÖPhG Conference, February 19 - 21, 2025 in Vienna, Austria

Pre-Conference Workshop “History of Pharmacy”

	February 19
10:00-12.00	Pre-Conference Workshop “History of Pharmacy” Moderation: Axel Helmstädter
10:00 – 10:05	Welcome, Introduction Prof. Dr. Axel Helmstädter, Marburg, Germany
10:05 – 10:45	A brief history of counterfeit medicines Mag. Pharm. Dr. Thomas Langebner, Linz, Austria
10:45 – 11:25	Medieval Medicine of the Mountains: Applying Austrian Pharmaceutical History to Explore Armenian Medieval Manuscripts Mag. Pharm. Dr. Heinrich Justin Evanzin, St. Pölten, Austria

11:25 – 12:00	<p style="text-align: center;">How are antidepressants reflected in popular music? Examples from a pharmaceutical playlist</p> <p style="text-align: center;">Dr. Christiane Staiger, Marburg</p>
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Main Conference Program

	February 19		
12.30– 13.00	Welcome coffee		
13.00– 13.15	Opening of the joint EUFEPS / ÖPhG CONFERENCE 2025, Helmut Viernstein, ÖPhG President Maria Blanco-Prieto, EUFEPS President Thierry Langer, University of Vienna		
13.15– 14.00	PL1, Gerd Folkers, Measurement, Illusion and Responsibility Chair: Thierry Langer		
14.00– 14.45	PL2, Tina Vermonden Injectable thermosensitive hydrogels for local and controlled delivery of low molecular weight drugs and siRNA Chair: Joao Lopes		
14.45– 15.15	Coffee break		
	Invited lectures, parallel sessions I		
	Session 1	Session 2	Session 3
15.15– 16.45	Nanofibers for drug delivery and tissue regeneration – Slovenian Pharmaceutical Society Chairs: Špela Zupančič, Petra Kocbek	Pharmaceutical science research needs: what's hot today and what is on the horizon? – EurSci4Health Initiative Chairs: Mareike Lutz,	Radiopharmacy - ÖPhG Chairs: Doina Draganescu, Markus Mitterhauser
15.15– 15.45	Špela Zupančič Nanofibers for Local Delivery of Probiotics	Astrid Hoebertz The European Funding Perspective in Health – recent developments, new directions	Markus Mitterhauser Molecular imaging as a tool in personalised medicine

15.45-16.05	Esra Karataş In Vivo Evaluation of Innovative Coating Strategies for Accelerating Osseointegration in Dental Implants Using BMP-2 and α -Tocopherol-Loaded PCL Nanofibers	Hubert Leufkens EurSci4Health research needs and priorities	Martin Kraihammer A new targeted strategy for image guided antimicrobial therapy based on cytotoxic carboplatin conjugates
16.05-16.25	Nina Katarina Grilc Saccharides and polyols as stabilizers in electrospun nanofibers and their solid-state instability during storage	Jon de Vlieger Pharmaceutical innovation through Public Private Partnerships	Selected from abstracts
16.25-16.45	Črt Dragar Impact of drug incorporation on the properties of hydrophilic nanofibers	Overall discussion	Overall Discussion
16:45-17:45	Flash presentations (5 min each) Moderator:		
1	Sînziana Opreţescu , Potential Etiological Factors Contributing to Elevated Serum Immunoglobulin E Levels in Pediatric Patients with Recurrent Infections	6	Iris Stappen , Effect of Swiss stone pine oil on humans in the context of aromatherapy
2	Chrystalla Protopapa , Preparation of bupropion hydrochloride tablets with the use of the direct extrusion screw-based technology	7	Lee Roy Oldfield , 3D printing of API-loaded multiple unit particle system tablets
3	Christina Glader , Establishment of a flexible, in- and online monitored top-down production line for nano-pharmaceuticals	8	Ayse Nur Oktay , Evaluation of Interactive Effects of Z-factor Particle Size with Each Dose, Solubility, and Diffusivity on Dissolution Similarity Factor f_2
4	Petra Arany , The Evolution and Recent Advances of 3D-Printed Drug Delivery Systems	9	Katarzyna Malec , The effect of lipid composition and liposome preparation protocol on liposome structure investigated by NMR
5	Michał Romański , Modeling the gastric stress-related disintegration of oral dosage forms in LADMEos2 software and its application for pharmacokinetic simulations	10	Tanja Potrč , Development of dry nanoformulation for enhanced ocular drug delivery
17.45-19.15	Guided Poster Tour		
19.30-22.00	Welcome Reception		

	February 20	
08.00-08.30	Welcome coffee	
8.30-9.15	PL3, Thierry Langer Computer-aided Methods for Compound Design and Toxicity De-Risking Chair: Helmut Viernstein	
9.15-10.00	PL4, Elena Cattaneo Unveiling Neurodegeneration: Huntington's Disease in a Stem Cell Lens Chair: Maria Blanco-Prieto	
10.00-10.30	Coffee break	
	Parallel sessions II	
	Session 4	Session 5
10.30-12.00	Tackling the challenge for bioequivalence of nanomedicines – German Pharmaceutical Society Chairs: Henning Blume, Dagmar Fischer	Pharmaceutical Biology / Pharmacognosy – ÖPhG Chairs: Joao Lopes, Simone Moser
10.30-11.00	Scott McNeil Bioequivalence of nanomedicines: regulatory and analytical challenge	Simone Moser Phyllobilins - Pharmaceutical Relevance of Ubiquitous Natural Products Derived from Chlorophyll
11.00-11.20	Erem Bilensoy Regulation Based Nanosimilar Development: Is It Feasible to Use Alternative Formulation and Manufacturing Approaches to Achieve Similar Clinical Response?	Tymon Yu Cyclodextrin complexation and stability enhancement studies of antiproliferative diarylheptanoids from <i>Alnus glutinosa</i>
11.20-11.40	Amy Alston Assessing the potential impact of physicochemical characteristics on the biodistribution of iron-carbohydrate nanoparticles with a chicken embryo model	Maria Rosselló Gelabert Pioneering Immortalized HF-MSCs for Reliable Long-Term Secretome Production
11.40-12.00	Suhair Al-Nimry Formulation and characterization of a buccal film of encapsulated insulin into dendrimers for diabetes treatment	Solveigh Koeberle Decoding Ferroptosis: Natural product inspired drug discovery in degenerative disease

Parallel sessions III			
	Session 6	Session 7	Session 8
12.00-13.30	Drug Delivery Systems for Precision Therapies – EUFEPS Network on Nanomedicine Chairs: Fabio Sonvico, Lea Ann Dailey	Ocular drug delivery – Finish <i>Pharmaceutical Society</i> Chairs:	On the interface between regulatory science and health technology assessment (HTA) – EUFEPS Regulatory Sciences Network Chairs: Hubert Leufkens,
12.00-12.30	Ulrich Laechelt Synthetic delivery systems for CRISPR/Cas genome editing	Arto Urtti Title	Christine Leopold Interface HTA and regulatory in the context of the new European pharma legislation
12.30-12.50	Elmina-Marina Saitani Hybrid Nanoparticles and Lyophilized Powders for Possible Nose-to-brain Delivery of Ropinirole Hydrochloride	Ilaria Davolio Development and characterization of atorvastatin-loaded polymeric micelles for ocular administration	Amor R Cáceres-Pérez Impact of Storage Under Accelerated Conditions on Compliance with Pharmacopoeial Specifications
12.50-13.10	Paula Gil Development of an injectable nanoreinforced and pre-vascularized hydrogel for cardiac miR-133a delivery	Sofia Dalla Lana TUDCA-modified liposomes for glibenclamide ocular delivery	Isabel Gonzalez-Alvarez In vivo predictive dissolution (iPD) to explain bioequivalence failure results of a BCS Class IV drug
13.10-13.30	Esra Karataş Design and Optimization of Lamivudine-Loaded Lipid Nanoparticles: Improved Lipid Screening for Effective Drug Delivery	Tanja Potrč Development of dry nanoformulation for enhanced ocular drug delivery	Selected from abstracts

13.30-14.30	Lunch break Workshop: PubPharm: The freely accessible search platform for pharmacy-specific literature and information resources		
14:30-15.15	PL5, Maïke Windbergs Innovative nanoscale drug delivery systems Chair: Dieter Steinhilber		
15.15-16.00	PL6, Christoph Rademacher Small molecule-based cell-specific transdermal delivery of mRNA and proteins Chair:		

16.00-16.30	Coffee break		
	Parallel sessions IV		
	Session 9	Session 10	Session 11
16.30-18.00	Innovative multidisciplinary approach to drug development – Hungarian Pharmaceutical Society Chairs: Eva Szökő,	Challenges in nanotherapy for tumors – Sitelf Chairs: Giuseppe de Rosa,	Pharmaceutical Chemistry - ÖPhG Chairs: Dieter Steinhilber, Thierry Langer
16.30-17.00	Dezső Csupor Translational approach, a bridge between chemistry and clinical research - a new stage in natural products research	Simona Mura Breaking barriers: advancing nanodrugs from the bench to the bedside	Johannes Kirchmair Tackling assay interference associated with small molecules: measurement and computation
17.00-17.20	Virginia Patterlini Dissolution of Inhaled Drugs: a novel approach using functionalized membranes simulating pulmonary mucus	Andrea Cucchiario Exploring a new path towards more tolerable anticancer treatments with amino acid chelated platinum(II) complexes	Rasha Ghanem Kattoub New Class of Uridine- and Adenosine-Based Morpholino-Nucleosides as Potential Anticancer Agents
17.20-17.40	Rubén del Campo-Montoya Therapeutic potential of GDNF and stem cell-loaded nanoreinforced hydrogel in Parkinson`s disease	Sara Lorenzoni Surface decoration of lipid nanoparticles with RGDs for precision therapy in high-risk neuroblastoma	Anikó Borbás Study of the combined effect of glycopeptide antibiotics and di-and trivalent cationic derivatives against Gram negative bacteria
17.40-18.00	Eszter Vargaa Evaluation of the correlation between Procalcitonin (PCT) level and other biomarkers, sepsis diagnosis and antibiotic prescription pattern at an emergency department (ED)	Ayşe Sena Atmaca Development of Ara-C Loaded Exosomes: Next-Generation Nanotherapeutic Approaches in AML Therapy	Gergely Tóth Mannich-type modifications of cannabigerol leading to new, bioactive derivatives
19.30-23.30	Conference dinner		

drug

	February 21
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08.00-08.30	Welcome coffee		
8.30-9.30	Round Table / Interview “Personalized Medicines” Moderator: Dieter Steinhilber Panel: 1. 2. 3. 4.		
	Parallel sessions V		
	Session 12	Session 13	Session 14
09.30-11.00	Emerging Technologies Shaping the Future of Pharma – Spanish Pharmaceutical Society Chairs: Maria Blanco-Prieto,	Challenges and opportunities for Pharmacists in Pharmacogenomics – EUFEPS EPRIN Network Chairs: Anke Hilse Maitland-van der Zee,	Innovations in Pharmacology: New Pathways in Drug Development Chairs: Ildikó Bacskay, Sophia Khom
09.30-10.00	Randy Mrsny Title	Maaike van der Lee Title	Andreas Koeberle Targeting ferroptosis in therapy-resistant cancer: insights from functional multiomics
10.00-10.20	Ozbej Zupancic Comparing low-dose carvedilol manufacturing by solid and liquid feeding in Self-Emulsifying Delivery systems via hot melt EXtrusion (SEDEX)	Mukaddes Altinbay Discovery of Anti-CRISPR Plant Metabolites	Moe Elbadawi Artificial intelligence generates novel 3D printing formulations
10.20-10.40	Isidoro Caraballo Development of sustained-release systems from a biodegradable aliphatic copolyester: Ultrasound-assisted compression vs Semi-solid extrusion	Selected from abstracts	Nico Kraus Targeted Inhibition of HSD17B13 - a new therapeutic option in steatotic liver disease?
10.40-11.00	Helena Rouco Thermosensitive hydrogels for local drug delivery in osteoarthritis management	Selected from abstracts	Laureta Gashi Novel insights into sex differences in central amygdala function in alcohol use disorder
11.00-11.30	Coffee break		

11.30- 12.30	PhD's Competition Moderator: <i>See detailed program below</i>
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Parallel sessions VI			
	Session 15	Session 16	Session 17
12.30- 14.00	Model-informed precision dosing – German Pharmaceutical Society Chairs: Ulrich Jaehde,	Lipid nanoparticles – ÖPhG Chairs: Zeynep Teksin, Christoph Rademacher	The One Health Concept: Progress and news from the side of Veterinary Medicine – EUFEPS Veterinary Medicines Network Chairs: Ivo Schmerold,
12.30- 13.00	Sebastian Wicha From Therapeutic Drug Monitoring to Model-informed Precision Dosing	Heinrich Haas Next-generation mRNA pharmaceutical technologies: LNPs and beyond	Gabriel Beechenor Artificial Intelligence in the development of veterinary medicines
13.00- 13.20	Fatma Kir Minimal Physiologically Based Pharmacokinetic Modeling of Atenolol and Metoprolol in Malnourished Rats	Ammar Darwish Silver-lipid nanoparticles shaped for targeted tumor therapy	Fatma Zerrin Saltan Artificial Intelligence-Based Prediction of Treatment Areas with Tannic Acid-Based Hydrogel Properties
13.20- 13.40	Ana Santoveña-Estévez Innovation in paediatric drug development: Digital control of individualized dosage form production	Tiago E. Coutinho Factorial design of solid lipid nanoparticles loading Quercetin for dermal application	Andrea Szabó Appearance of the One Health approach in the Hungarian antimicrobial stewardship - results of a document analysis
13.40- 14.00	Chrystalla Protopapa Machine Learning predicts the kinetic parameters of direct compression tablets	Natalia Zashikhina Lipid nanoparticles for the delivery of mRNA to the retina	Gábor Kardos Antibiotic resistance beyond the healthcare system: a One Health approach
14.00- 14.30	Awards and Closing ceremony <ul style="list-style-type: none"> -EJPS Best Paper Award - Poster Awards - EUFEPS WIPS Awards - PhD competition Awards - EUFEPS Presidential Distinction Award 		

EUFEPS PhD Students Competition 2025

Moderator:

Jury:

11:30 – 11:35	, Welcome and short introduction
11:35 – 11:40	
11:40 – 11:45	
11:45 – 11:50	
11:50 – 11:55	
11:55 – 12:00	
12:00 – 12:05	
12:05 – 12:10	
12:10 – 12:15	
12:15 – 12:20	
12:20 – 12:25	