



**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”**

	<b>February 19</b>
<b>10:00-12.15</b>	<b>Pre-Conference Workshop “History of Pharmacy”</b> Moderation: Axel Helmstädter
10:00 – 10:05	<b>Welcome, Introduction</b> Prof. Dr. Axel Helmstädter, Marburg, Germany
10:05 – 10:40	<b>A brief history of counterfeit medicines</b> Mag. Pharm. Dr. Thomas Langebner, Linz, Austria
10:40 – 11:15	<b>Medieval Medicine of the Mountains: Applying Austrian Pharmaceutical History to Explore Armenian Medieval Manuscripts</b> Mag. Pharm. Dr. Heinrich Justin Evanzin, St. Pölten, Austria

11:15 – 11:35	<p style="text-align: center;"><b>Austrian influences in the pharmacist profession in Romania</b></p> <p style="text-align: center;">Prof. Dr. Adriana Taarel, Bucharest, Romania</p>
11:35 – 12:15	<p style="text-align: center;"><b>How are antidepressants reflected in popular music? Examples from a pharmaceutical playlist</b></p> <p style="text-align: center;">Dr. Christiane Staiger, Marburg, Germany</p>

## Main Conference Program

	<b>February 19</b>		
<b>10.00– 12.45</b>	<b>Registration</b>		
<b>12.45- 13.15</b>	<p><b>Opening of the joint EUFEPS / ÖPhG CONFERENCE 2025 (lecture hall H8)</b></p> <p style="text-align: center;">Helmut Viernstein, ÖPhG President Maria Blanco-Prieto, EUFEPS President Thierry Langer, University of Vienna</p>		
<b>13.15- 14.00</b>	<p><b>PL1 (lecture hall H8), Gerd Folkers,</b> Measurement, Illusion and Responsibility <b>Chair:</b> Thierry Langer</p>		
<b>14.00- 14.45</b>	<p><b>PL2 (lecture hall H8), Tina Vermondén</b> Injectable thermosensitive hydrogels for local and controlled delivery of low molecular weight drugs and siRNA <b>Chair:</b> Joao Lopes</p>		
<b>14.45- 15.15</b>	<b>Coffee break</b>		
	<b>Invited lectures, parallel sessions I</b>		
	<b>Session 1 SL1 (lecture hall H8)</b>	<b>Session 2 (lecture hall H7)</b>	<b>Session 3 (lecture hall H5)</b>
<b>15.15- 16.45</b>	<p><b>Nanofibers for drug delivery and tissue regeneration – Slovenian Pharmaceutical Society</b> <b>Chairs:</b> Špela Zupančič, Petra Kocbek</p>	<p><b>Pharmaceutical science research needs: what's hot today and what is on the horizon? – EurSci4Health Initiative</b></p>	<p><b>Radiopharmacy - ÖPhG</b> <b>Chairs:</b> Doina Draganescu, Markus Mitterhauser</p>

		<b>Chairs:</b> Mareike Lutz, Johannes Kirchmair	
<b>15.15-15.45</b>	<b>Špela Zupančič</b> Nanofibers for Local Delivery of Probiotics	<b>Astrid Hoebertz</b> The European Funding Perspective in Health – recent developments, new directions	<b>Markus Mitterhauser</b> Molecular imaging as a tool in personalised medicine
<b>15.45-16.05</b>	<b>Esra Karataş</b> In Vivo Evaluation of Innovative Coating Strategies for Accelerating Osseointegration in Dental Implants Using BMP-2 and Î±-Tocopherol-Loaded PCL Nanofibers	<b>Hubert Leufkens</b> EurSci4Health research needs and priorities	<b>Martin Kraihammer</b> A new targeted strategy for image guided antimicrobial therapy based on cytotoxic carboplatin conjugates
<b>16.05-16.25</b>	<b>Nina Katarina Grilc</b> Saccharides and polyols as stabilizers in electrospun nanofibers and their solid-state instability during storage	<b>Jon de Vlieger</b> Pharmaceutical innovation through Public Private Partnerships	<b>Cécile Philippe</b> Elevating PET imaging to the next level via radioactive cell sorting
<b>16.25-16.45</b>	<b>Črt Dragar</b> Impact of drug incorporation on the properties of hydrophilic nanofibers	<b>Overall discussion</b>	<b>Katarína Benčurová</b> <i>In Ovo</i> Model in Experimental Nuclear Medicine
<b>16:45-17:45</b>	<b>Flash presentations (5 min each) (lecture hall H8)</b> Moderator: Dieter Steinhilber		
<b>1</b>	<b>Sînziana Opreţescu</b> , Potential Etiological Factors Contributing to Elevated Serum Immunoglobulin E Levels in Pediatric Patients with Recurrent Infections	<b>6</b>	<b>Iris Stappen</b> , Effect of Swiss stone pine oil on humans in the context of aromatherapy
<b>2</b>	<b>Chrystalla Protopapa</b> , Preparation of bupropion hydrochloride tablets with the use of the direct extrusion screw-based technology	<b>7</b>	<b>Lee Roy Oldfield</b> , 3D printing of API-loaded multiple unit particle system tablets
<b>3</b>	<b>Christina Glader</b> , Establishment of a flexible, in- and online monitored top-down production line for nano-pharmaceuticals	<b>8</b>	<b>Ayse Nur Oktay</b> , Evaluation of Interactive Effects of Z-factor Particle Size with Each Dose, Solubility, and Diffusivity on Dissolution Similarity Factor f2
<b>4</b>	<b>Petra Arany</b> , The Evolution and Recent Advances of 3D-Printed Drug Delivery Systems	<b>9</b>	<b>Katarzyna Malec</b> , The effect of lipid composition and liposome preparation protocol on liposome structure investigated by NMR
<b>5</b>	<b>Michał Romański</b> , Modeling the gastric stress-related disintegration of oral dosage forms in LADMEos2 software and its application for pharmacokinetic simulations	<b>10</b>	<b>Daniela Popa</b> , Technological study for obtaining a fixed dose combination coated tablet with ibuprofen and drotaverine hydrochloride

17.45-19.15	<b>Poster Session</b>	
19.30-22.00	<b>Welcome Reception</b>	
	<b>February 20</b>	
08.00-08.30	<b>Welcome coffee</b>	
8.30-9.15	<b>PL3 (lecture hall H8), Thierry Langer</b> Computer-aided Methods for Compound Design and Toxicity De-Risking <b>Chair:</b> Helmut Viernstein	
9.15-10.00	<b>PL4 (lecture hall H8), Elena Cattaneo</b> Unveiling Neurodegeneration: Huntington's Disease in a Stem Cell Lens <b>Chair:</b> Maria Blanco-Prieto	
10.00-10.30	<b>Coffee break</b>	
	<b>Parallel sessions II</b>	
	<b>Session 4 (lecture hall H8)</b>	<b>Session 5 (lecture hall H7)</b>
10.30-12.00	<b>Tackling the challenge for bioequivalence of nanomedicines – German Pharmaceutical Society</b> <b>Chairs:</b> Henning Blume, Dagmar Fischer	<b>Pharmaceutical Biology / Pharmacognosy – ÖPhG</b> <b>Chairs:</b> Joao Lopes, Simone Moser
10.30-11.00	<b>Scott McNeil</b> Bioequivalence of nanomedicines: regulatory and analytical challenge	<b>Simone Moser</b> Phyllobilins - Pharmaceutical Relevance of Ubiquitous Natural Products Derived from Chlorophyll
11.00-11.20	<b>Erem Bilensoy</b> Regulation Based Nanosimilar Development: Is It Feasible to Use Alternative Formulation and Manufacturing Approaches to Achieve Similar Clinical Response?	<b>Tymon Yu</b> Cyclodextrin complexation and stability enhancement studies of antiproliferative diarylheptanoids from <i>Alnus glutinosa</i>
11.20-11.40	<b>Amy Alston</b> Assessing the potential impact of physicochemical characteristics on the biodistribution of iron-carbohydrate nanoparticles with a chicken embryo model	<b>Maria Rosselló Gelabert</b> Pioneering Immortalized HF-MSCs for Reliable Long-Term Secretome Production

<b>11.40-12.00</b>	<b>Sandra Hübner</b> The role of sustainable concepts in nanoparticle formulations for cavitation-mediated ultrasonic enhancement of drug delivery	<b>Solveigh Koeberle</b> Decoding Ferroptosis: Natural product inspired drug discovery in degenerative disease
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Parallel sessions III			
	Session 6 (lecture hall H8)	Session 7 (lecture hall H7)	Session 8 (lecture hall H5)
<b>12.00-13.30</b>	<b>Drug Delivery Systems for Precision Therapies – EUFEPS Network on Nanomedicine</b> Chairs: Fabio Sonvico, Elisa Garbayo	<b>Ocular drug delivery – Finish <i>Pharmaceutical Society</i></b> Chairs: Arto Merivaara, Arto Urtti	<b>On the interface between regulatory science and health technology assessment (HTA) – EUFEPS <i>Regulatory Sciences Network</i></b> Chairs: Hubert Leufkens, Mareike Lutz
<b>12.00-12.30</b>	<b>Ulrich Laechelt</b> Synthetic delivery systems for CRISPR/Cas genome editing	<b>Arto Urtti</b> Targeted drug delivery to the eye with nanoparticles and melanin binding compounds	<b>Christine Leopold</b> Interface HTA and regulatory in the context of the new European pharma legislation
<b>12.30-12.50</b>	<b>Elmina-Marina Saitani</b> Hybrid Nanoparticles and Lyophilized Powders for Possible Nose-to-brain Delivery of Ropinirole Hydrochloride	<b>Ilaria Davolio</b> Development and characterization of atorvastatin-loaded polymeric micelles for ocular administration	<b>Amor R Cáceres-Pérez</b> Impact of Storage Under Accelerated Conditions on Compliance with Pharmacopoeial Specifications
<b>12.50-13.10</b>	<b>Paula Gil</b> Development of an injectable nanoreinforced and pre-vascularized hydrogel for cardiac miR-133a delivery	<b>Sofia Dalla Lana</b> TUDCA-modified liposomes for glibenclamide ocular delivery	<b>Marival Bermejo</b> In vivo predictive dissolution (iPD) to explain bioequivalence failure results of a BCS Class IV drug
<b>13.10-13.30</b>	<b>Esra Karataş</b> Design and Optimization of Lamivudine-Loaded Lipid Nanoparticles: Improved Lipid Screening for Effective Drug Delivery	<b>Tanja Potrč</b> Development of dry nanoformulation for enhanced ocular drug delivery	<b>Overall discussion</b>

<b>13.30-14.30</b>	<b>Lunch break</b> <b>Workshop: PubPharm: The freely accessible search platform for pharmacy-specific literature and information resources</b> <b>Room: 2F363 (Computer Room)</b>
<b>14:30-15.15</b>	<b>PL5 (lecture hall H8), Maike Windbergs</b> Oral drug delivery rethought – human in vitro models and tailor-made drug carriers <b>Chair: Dieter Steinhilber</b>

15.15-16.00	<b>PL6 (lecture hall H8), Christoph Rademacher</b> Small molecule-based cell-specific transdermal delivery of mRNA and proteins <b>Chair: Thierry Langer</b>		
16.00-16.30	<b>Coffee break</b>		
	<b>Parallel sessions IV</b>		
	<b>Session 9 (lecture hall H8)</b>	<b>Session 10 (lecture hall H7)</b>	<b>Session 11 (lecture hall H5)</b>
16.30-18.00	<b>Pharmaceutical Chemistry - ÖPhG</b> <b>Chairs:</b> Dieter Steinhilber, Thierry Langer	<b>Challenges in nanotherapy for tumors – Sitelf</b> <b>Chairs:</b> Giuseppe de Rosa, Theresa Balber	<b>Innovative multidisciplinary approach to drug development – Hungarian Pharmaceutical Society</b> <b>Chairs:</b> Eva Szökö, Ildikó Bácskay
16.30-17.00	<b>Johannes Kirchmair</b> Tackling assay interference associated with small molecules: measurement and computation	<b>Simona Mura</b> Breaking barriers: advancing nanodrugs from the bench to the bedside	<b>Dezső Csupor</b> Translational approach, a bridge between chemistry and clinical research - a new stage in natural products research
17.00-17.20	<b>Rasha Ghanem Kattoub</b> New Class of Uridine- and Adenosine-Based Morpholino-Nucleosides as Potential Anti-SARS-CoV-2 Agents	<b>Sara Lorenzoni</b> Surface decoration of lipid nanoparticles with RGDs for precision therapy in high-risk neuroblastoma	<b>Virginia Patterlini</b> Dissolution of Inhaled Drugs: a novel approach using functionalized membranes simulating pulmonary mucus
17.20-17.40	<b>Anikó Borbás</b> Study of the combined effect of glycopeptide antibiotics and di-and trivalent cationic derivatives against Gram negative bacteria	<b>Andrea Cucchiario</b> Exploring a new path towards more tolerable anticancer treatments with amino acid chelated platinum(II) complexes	<b>Eszter Vargaa</b> Evaluation of the correlation between Procalcitonin (PCT) level and other biomarkers, sepsis diagnosis and antibiotic prescription pattern at an emergency department (ED)
17.40-18.00	<b>Gergely Tóth</b> Mannich-type modifications of cannabigerol leading to new, bioactive derivatives	<b>Ayşe Sena Atmaca</b> Development of Ara-C Loaded Exosomes: Next-Generation Nanotherapeutic Approaches in AML Therapy	<b>Rubén del Campo-Montoya</b> Therapeutic potential of GDNF and stem cell-loaded nanoreinforced hydrogel in Parkinson`s disease
19.30-23.30	<b>Conference dinner</b>		

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<b>February 21</b>			
<b>08.00-08.30</b>	<b>Welcome coffee</b>		
<b>8.30-9.30</b>	<b>Round Table / Interview (lecture hall H8)</b> <b>“Personalized Medicines”</b>  <b>Moderator: Dieter Steinhilber</b> <b>Panel:</b> <b>1. Anna Eichhorn, Humatrix, Germany</b> <b>2. Henning Blume, FfQM, Germany</b> <b>3. Anke-Hilse Maitland-van der Zee, Amsterdam University, The Netherlands</b> <b>4. Dieter Steinhilber, Goethe University Frankfurt, Germany</b> <b>5. Elise Slob, Amsterdam University, The Netherlands</b>		
<b>Parallel sessions V</b>			
	<b>Session 12 (lecture hall H8)</b>	<b>Session 13 (lecture hall H7)</b>	<b>Session 14 (lecture hall H5)</b>
<b>09.30-11.00</b>	<b>Emerging Technologies Shaping the Future of Pharma – Spanish Pharmaceutical Society</b> <b>Chairs: Maria Blanco-Prieto, Noemi Csaba</b>	<b>Challenges and opportunities for Pharmacists in Pharmacogenomics – EUFEPS EPRIN Network</b> <b>Chairs: Anke Hilse Maitland-van der Zee, Marival Bermejo Sanz</b>	<b>Innovations in Pharmacology: New Pathways in Drug Development</b> <b>Chairs: Ildikó Bacskay, Sophia Khom</b>
<b>09.30-10.00</b>	<b>Randy Mrsny</b> Systemic delivery of a therapeutic protein following oral administration	<b>Maaïke van der Lee</b> Making pharmacogenomics work today while building tomorrow	<b>Andreas Koeberle</b> Targeting ferroptosis in therapy-resistant cancer: insights from functional multiomics
<b>10.00-10.20</b>	<b>Ozbej Zupancic</b> Comparing low-dose carvedilol manufacturing by solid and liquid feeding in Self-Emulsifying Delivery systems via hot melt EXtrusion (SEDEX)	<b>Mukaddes Altinbay</b> Discovery of Anti-CRISPR Plant Metabolites	<b>Moe Elbadawi</b> Artificial intelligence generates novel 3D printing formulations
<b>10.20-10.40</b>	<b>Isidoro Caraballo</b> Development of sustained-release systems from a biodegradable aliphatic copolyester: Ultrasound-assisted compression vs Semi-solid extrusion	<b>Elise Slob</b> Genotype-guided asthma treatment reduces exacerbations in children: meta-analysis of two RCTs	<b>Nico Kraus</b> Targeted Inhibition of HSD17B13 - a new therapeutic option in steatotic liver disease?

10.40-11.00	<b>Patricia Diaz-Rodriguez</b> Thermosensitive hydrogels for local drug delivery in osteoarthritis management	<b>EJPS best paper Award</b> <b>Farzin Pourfarzad</b> Enhancing Drug Safety and ADME Assessment with Organoids	<b>Laureta Gashi</b> Novel insights into sex differences in central amygdala function in alcohol use disorder
11.00-11.30	<b>Coffee break</b>		
11.30-12.30	<b>PhD's Competition (lecture hall H8)</b> Moderator: <i>See detailed program below</i>		

<b>Parallel sessions VI</b>			
	<b>Session 15 (lecture hall H8)</b>	<b>Session 16 (lecture hall H7)</b>	<b>Session 17 (lecture hall H5)</b>
12.30-14.00	<b>Model-informed precision dosing – German Pharmaceutical Society</b> Chairs: Ulrich Jaehde, Lea-Ann Dailey	<b>Lipid nanoparticles – ÖPhG</b> Chairs: Zeynep Teksin, Christoph Rademacher	<b>The One Health Concept: Progress and news from the side of Veterinary Medicine – EUFEPS Veterinary Medicines Network</b> Chairs: Ivo Schmerold, Hubert Leufkens
12.30-13.00	<b>Sebastian Wicha</b> From Therapeutic Drug Monitoring to Model-informed Precision Dosing	<b>Heinrich Haas</b> Next-generation mRNA pharmaceutical technologies: LNPs and beyond	<b>Gabriel Beechenor</b> Artificial Intelligence in the development of veterinary medicines
13.00-13.20	<b>Fatma Kir</b> Minimal Physiologically Based Pharmacokinetic Modeling of Atenolol and Metoprolol in Malnourished Rats	<b>Ammar Darwish</b> Silver-lipid nanoparticles shaped for targeted tumor therapy	<b>Fatma Zerrin Saltan</b> Artificial Intelligence-Based Prediction of Treatment Areas with Tannic Acid-Based Hydrogel Properties
13.20-13.40	<b>Ana Santoveña-Estévez</b> Innovation in paediatric drug development: Digital control of individualized dosage form production	<b>Tiago E. Coutinho</b> Factorial design of solid lipid nanoparticles loading Quercetin for dermal application	<b>Andrea Szabó</b> Appearance of the One Health approach in the Hungarian antimicrobial stewardship - results of a document analysis
13.40-14.00	<b>Chrystalla Protopapa</b> Machine Learning predicts the kinetic parameters of direct compression tablets	<b>Natalia Zashikhina</b> Lipid nanoparticles for the delivery of mRNA to the retina	<b>Gábor Kardos</b> Antibiotic resistance beyond the healthcare system: a One Health approach
14.00-14.30	<b>Awards and Closing ceremony (lecture hall H8)</b> -EJPS Best Paper Award - Poster Awards		



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|  | <ul style="list-style-type: none"><li>- EUFEPS WIPS Awards</li><li>- PhD competition Awards</li><li>- EUFEPS Presidential Distinction Award</li><li>- ÖPhG Master Theses Awards</li></ul> |
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## **EUFEPS PhD Students Competition 2025**

Moderator: Prof. Dr. Anke-Hilse Maitland-van der Zee

Jury: Prof. Dr. Gerd Folkers, ETH Zürich, Switzerland

Dr. Mareike Lutz, Chalmers, Sweden

Prof. Dr. Thierry Langer, University of Vienna, Austria

11:30 – 11:35	<b>Welcome and short introduction</b>
11:35 – 11:40	<b>Rathna Mathiyalagan, Finland</b> Semi-Solid Extrusion 3D Printed Tablets for Tailored Drug Delivery Systems
11:40 – 11:45	<b>Laura Gómez Lázaro, Spain</b> Lipid Nanocarriers for Brain Tumor Treatment
11:45 – 11:50	<b>Riccardo Caraffi, Italy</b> Self-Assembling Lactoferrin-Based Nanomedicines for Gene Delivery
11:50 – 11:55	<b>Marta Kozakiewicz –Latała, Poland</b> Application of additive manufacturing technologies for oral drug formulations
11:55 – 12:00	<b>Maximilian Molitor, Germany</b> Targeting cysteines of human 5-lipoxygenase with cyanoacrylate comprising inhibitors
12:00 – 12:05	<b>Setenay Özer-Önder, Turkey</b> Development and In Vitro-In Vivo Evaluation of SARS-CoV-2 Spike Protein Containing Chitosan-Based Intranasal Subunit Vaccine Formulation

12:05 – 12:10	<b>Lu Turkovic, Croatia</b> Development of a Bioanalytical Method for the Determination of Cyclin D Dependent Kinase 4 and 6 Inhibitors and Other Drugs in Therapeutic Combinations for HR+/HER2– Breast Cancer Treatment
12:10 – 12:15	<b>Ikbel Ben Alaya, Portugal</b> Polysaccharides of natural origin for site-specific drug release modulation
12:15 – 12:20	<b>Marina-Ionela Nedea, Romania</b> Synergistic antifungal activity of fluconazole and cinnamon oil against <i>Candida auris</i>
12:20 – 12:25	<b>Orsolya Péterfi, Hungary</b> Artificial intelligence-based endoscopic imaging system for monitoring particle size and shape in real-time during pharmaceutical manufacturing
12:25 – 12:30	<b>Joanneke Overbeek, The Netherlands</b> Off-label, but on-target: alternative dosing regimens in oncology