

# Programme

Monday, 24 March 2025

09:00 – 09:30	opening session	posters	exhibition	
09:30 – 10:30	plenary lecture			
10:30 – 11:00	coffee break			
11:00 – 13:00	short talks			invited talks
13:00 – 15:00	lunch			
15:00 – 17:00	short talks			invited talks
17:00 – 19:00	welcome reception			

09:00 **Opening ceremony**

## Plenary lecture

09:30 **A drug product in the GUT: an uncertain journey?**  
Werner Weitschies, University of Greifswald, Germany

10:30 **Coffee/exhibition/posters**

## Invited talks: Challenges and innovation in oral drug delivery

11:00 **Harnessing the potential of Room Temperature Ionic Liquids (RTILs) for oral solid dosage forms of poorly soluble drugs**  
Anne Marie Healy, Trinity College Dublin, Ireland

11:40 **New insights into the disintegration mechanism in uncoated and coated immediate release tablets**  
Axel Zeitler, University of Cambridge, United Kingdom

12:20 **Selecting the correct grade of excipients for use in pharmaceutical drug products**  
Kevin Hughes, Colorcon and IPEC Europe, United Kingdom

## Short talks: Nanoparticles; siRNA delivery; Mucosal drug delivery

11:00 **Lipid Nanoparticles Decorated With A CD13 Ligand As A Novel Approach To Selectively Target The Tumor Vasculature**  
Giulia Anderluzzi, University of Milan, Italy

11:10 **Comparative Analysis Of Soft And Hard Nanoparticles: A Multi-technique Approach To Explore Physicochemical Characteristics And In Vitro Behavior**  
Eleonora D'Intino, Sapienza, University of Rome, Italy

11:20 **Highly Biocompatible Polyphosphoester-stabilized Cubosomes As A Strategy To Deliver A Novel Synthesized Ru(II) Complex For The Photodynamic Therapy Of Lung Adenocarcinoma**  
Luca Casula, University of Cagliari, Italy

11:30 **Targeted Nanodrugs For Inhaled Therapy Of Inflammatory Lung Diseases**  
Eleonora Maretta, University of Modena and Reggio Emilia, Italy

11:40 **A DC-targeted Nano-vaccine To Overcome Immune Suppression And Enhance The SoC Efficacy For PDAC**  
Ron Kleiner, Tel Aviv Univeristy, Israel

11:50 **Intranasal Self-Microemulsifying Drug Delivery System Improves Nestorone® Brain Delivery And Confers Neuroprotection**  
Adriana O. Santos, University of Beira Interior, Portugal

12:00 **Peptide-directed Nanoemulsions**  
Natasia Holler, University of Graz, Austria

12:10 **Pulmonary Delivery of siRNA Anti-TNF $\alpha$ -loaded Lipid Nanoparticles For Rapid Recovery In Murine Acute Lung Injury**  
Elias Fattal, University Paris Saclay, France

12:20 **Modulating The Architecture Of Oligocationic Polymers Enables Efficient siRNA Delivery**  
Joachim Arikibe, University of Padova, Italy

12:30 **Targeted Inulin-based Polycations For siRNA Delivery In Colon Cancer**  
Carmela Mazzacano, University of Salerno, Italy

12:40 **Mucoadhesive Polymer-coated Liposomes As A Potential Strategy For The Treatment Of Aerobic Vaginitis**  
Sara Lugli, University of Bologna, Italy

12:50 **Propranolol HCL-loaded Electrospun Mucoadhesive Films For Intranasal Delivery**  
Konstantina Chachlioutaki, Aristotle University of Thessaloniki, Greece

13:00 **Lunch/exhibition/posters**

## Invited talks: Delivery of biologics: From ATMP to oligonucleotides

15:00 **Formulation-driven DNA or mRNA delivery**  
Nathalie Mignet, University of Paris-Descartes, France

15:40 **Next-generation delivery systems for mRNA accines**  
Camilla Foged, University of Copenhagen, Denmark

16:20 **Antibody–drug conjugates: Next generation magic bullets**  
Carl Deutsch, NBE Therapeutic, Germany

## Short talks: Advanced drug delivery systems, Bioavailability enhancement

15:00 **Developing Innovative Cannabidiol Drug Delivery Systems For Therapeutical Use**  
E. Socrates Tabosa do Egito, Federal University of Rio Grande do Norte - UFRN, Brazil

15:10 **3D-printed Polyurethane Vascular Stent-graft With Enhanced Antithrombotic Properties**  
Kim Vanden Broeck, University of Lille, France

15:20 **Mechanochemical Induced Swelling-activation Of A Gastric-deployable 4D Printed Polypill Inspired By Natural Hygromorphic Actuators**  
Christina Karavasili, Aristotle University of Thessaloniki, Greece

15:30 **Design And Evaluation Of Thermo-responsive Lipid-needle Patches For Enhanced Transdermal Delivery Of Lipophilic Drugs**  
Matteo Tollemeto, Technical University of Denmark, Denmark

15:40 **A Multifunctional Mucoadhesive Patch For Enhanced Delivery Of Peptides**  
Margarida Sacramento, University of Aveiro, Portugal

15:50 **Assemblable System For Ultra-long Gastric Delivery Of Aciclovir: Combining 4D Printing And Tableting**  
Marco Ubaldi, University of Milan, Italy

16:00 **Patient-derived Melanoma Tumoroids For Cutaneous Melanoma Modelling And Screening Of Therapies**  
Juliana Viegas, Institute for Research and Innovation in Health - i3s, Portugal

16:10 **Enhancing Lipid Formulations With Zwitterionic Surfactants: A Step Towards Superior Drug Delivery**  
Antonio Lopalco, University of Bari Aldo Moro, Italy

16:20 **Bridging The Gap Between In Vitro And In Vivo Solubility-permeability Interplay**  
Kohsaku Kawakami, National Institute for Materials Science, Japan

16:30 **Peptide Release From Minitablets In Biorelevant Media: Impact Of Permeation Enhancers**  
Andrew Fagan, University College Cork, Ireland

16:40 **In Vitro-in Vivo Correlation Of Amorphous Solid Dispersion Enabled Itraconazole Tablets**  
James Polli, University of Maryland, United States

16:50 **Preparation Of Indomethacin Nanoparticles By Wet Milling**  
Stephane Scheele, Invite GmbH, Germany

17:00 **Welcome reception**