

Tuesday, 25 March 2025

09:00 – 11:00	short talks	invited talks	posters	exhibition
11:00 – 11:45	coffee break			
11:45 – 12:45	plenary lecture			
12:45 – 15:00	lunch			
15:00 – 17:00	short talks	invited talks		

Invited talks: Special administration routes – biopharmaceutical aspects and regulatory challenges

- 09:00 **Dry powders for lung delivery of biopharmaceuticals**
Ruggero Bettini, University of Parma, IT
- 09:40 **Long acting injectables**
Aldofo Lopez Noriega, MedinCell, FR
- 10:20 **Regulatory strategies for the development of inhaled, cutaneous and gastrointestinal locally acting generic products**
Alfredo García Arieta, Consultant for the WHO Prequalification Programme of Medicines, ES

Short talks: Pharmaceutical manufacturing; Physical pharmacy

- 09:00 **Optimizing Processes And Improving Quality In Tablet Compression And Encapsulation -- A New Way Of Supervised Machine Learning?**
Thomas Brinz, Syntegon Technology GmbH, Germany
- 09:10 **Elucidating Batch Heterogeneity During Freeze-Drying Using Infrared Thermography And Mechanistic Modeling**
Leif-Thore Deck, University of Cambridge, United Kingdom
- 09:20 **Combination Of A Pre-Emulsification Microsystem With A Premix Membrane Emulsification**
Daniel Jupke, Technical University Braunschweig, Germany

- 09:30 **Influence Of Filter Cleaning Frequency On The Residence Time Of Granules In Continuous Wet Granulation**
Alana Delvos, University of Düsseldorf, Germany
- 09:40 **Evaluation Of Different Fluid Bed Settings For Powder Coating Of Pellets With Ethylcellulose**
Matteo Cerea, Univeristy of Milan, Italy
- 09:50 **How To Configure The Performance In A Single Stage Continuous Melt Granulation With Planetary Roller Systems**
Jens Bartsch, Technical University Dortmund, Germany
- 10:00 **Fish Oil Alginate Microspheres Produced Via Novel Jetting Electrospray: Improving Stability, Antioxidant, Anti-cancer And Palatability**
Hazem Choukaife, University Sultan Zainal Abidin, Malaysia
- 10:10 **3D Printed Gastroretentive Dosage Forms For Timed Multidrug Release**
Jonas Adriaenssens, KU Leuven, Belgium
- 10:20 **Cyclodextrin-based Formulations For Delivering Broad-spectrum Nerve Agent Antidote To The BBB: Physicochemical Characterization, Application In A Human BBB Model And In Vivo Toxicity Study**
Léa Thiberville, University Paris Saclay, France
- 10:30 **Towards Amorphous Engineering: Can PolyAmorphs Be Stabilized By A Co-former Molecule?**
Inês C. B. Martins, University of Copenhagen, Denmark
- 10:40 **Physical Stability Of Ibuprofen-HPMCAS Solid Dispersion As Function Of Solvent Type**
Elzbieta Maria Gniazdowska, Riga Stradins University, Latvia
- 10:50 **Paving the way towards sustainable pharmaceuticals**
Mike Kleinert, University of Bergen, Norway

11:00 [Coffee/exhibition/posters](#)

Plenary lecture

- 11:45 **From Data to Drugs: Predictive and Generative AI in Pharma**
Finn Bauer, Croda Europe, UK
- 12:45 [Lunch/exhibition/posters](#)

Invited talks: Innovation in process development and manufacturing

- 15:00 **What's new in PAT?**
Johannes Khinast, Technical University Graz, AT
- 15:40 **Benefits of modeling and continuous manufacturing for drug product development, clinical supply and industrial transfer**
Sophie Martin, Sanofi, FR
- 16:20 **Electrospinning process in the biomedical and pharmaceutical fields**
Bice Conti, University of Pavia, IT

Short talks: Miscellaneous

- 15:00 **Novel pullulan/hyaluronic acid based hydrogel formulations for microneedle development**
Boyan Wang, Queen's University Belfast, United Kingdom
- 15:10 **Physicochemical Characterization And Pre-formulation Hydrogel Based On Sericin At Different Molecular Weights**
Maria Rosa Gigliobianco, University of G. d'Annunzio of Chieti and Pescara, Italy
- 15:20 **Bi-Gel: Revolutionizing Topical Experience With A Unique Structural Design**
Elise Dauphin-Chanard, Gattefosse SAS, France
- 15:30 **Development Of Extended-release Lipid Matrix Tablets Tailored For Paediatric Use**
Stefanie Brooks, University of Greifswald, Germany
- 15:40 **Lipid Nanocarriers For Therapy During Pregnancy**
Karine Andrieux, University Paris Cité, France

- 15:50 **Activity Evaluation Of A Memantine Prodrug Microemulsion In A Rat Model Of Tendinopathy**
Giulia Vanti, University of Florence, Italy
- 16:00 **Establishing And Characterizing A Physiologically Relevant 3D Gut-on-a-chip Model Based On Centrifugal Microfluidics**
Juliane F Christfort, Technical University of Denmark, Denmark
- 16:10 **A Simplified Method To Interpret Drug Release From Thin Polymeric Films By Drug Diffusivity Measurements**
Karin Kolec, University of Oslo, Norway
- 16:20 **Key Parameters For Nasal Dry Powders Performance Characterization**
Cláudia Costa, Hovione FarmaCiência, Portugal
- 16:30 **Optical Coherence Tomography In Thin Film Analysis: A Novel Approach To Characterizing Drug Delivery Systems**
Eleftheria Pantazoglou, Technical University of Denmark, Denmark
- 16:40 **Quantitative Nuclear Magnetic Resonance Spectroscopy For Excipient Profiling And Deformulation**
Isha Saraf, Research Centre for Pharmaceutical Engineering, Austria
- 16:50 **Automated In Silico Phase Diagram Prediction For Solid Dispersions**
Martin Hofsäss, BASF SE, Germany
- 17:00 [End of the conference](#)

Poster presentations

Posters will be presented during one specific day with special times for poster presentation during coffee and lunch breaks.