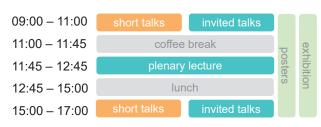
## Tuesday, 25 March 2025



### 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 Preformulation Studies And DPE 3D Printing Of Olaparib: A Novel Approach To Enhance Solubility And Bioavailability Nunzio Denora, University of Bari Aldo Moro
- 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 Preformulation 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 Broocks, 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 Korelc, 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.