12th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology

VIRTUAL MEETING
LIVE event from 11 - 14 May 2021

- interactive platform with match making and networking
- your advantage: content available on demand two months after the live meeting
- great scientific programme
- live Q&A sessions
- E-poster presentations
- virtual exhibition ResearchPharm®

www.worldmeeting.org
## Tuesday, 11 May 2021

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<th>Time</th>
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<tr>
<td>13:00 – 13:45</td>
<td>Opening Ceremony</td>
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<tr>
<td>13:45 – 14:45</td>
<td>Key note lecture</td>
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<tr>
<td>14:45 – 15:15</td>
<td>Coffee break</td>
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<tr>
<td>15:15 – 17:45</td>
<td>Hot topic lectures</td>
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</tbody>
</table>

**Key note lecture incl. Q&A**  
Chair: Duncan Craig, University College London  
13:45 - Engineering cancer immunotherapy  
David J. Mooney, Harvard School of Engineering and Applied Sciences, Cambridge, USA  
14:45 - 15:15 Coffee break/exhibition

**Hot topic session incl. Q&A**  
Chairs: Svetlana Ibric, University of Belgrade and Maike Windbergs, University of Frankfurt  
15:15 - Digital assistant to support drug product development  
Ferdinand Brandl, BASF, Ludwigshafen, Germany  
16:05 - Overcoming challenges of biodegradable drug delivery systems  
Steven Schwendeman, Department of Pharmaceutical Sciences and the Biointerfaces Institute, University of Michigan, Ann Arbor, MI, USA  
16:55 - Pfizer’s „continuous” journey - Implementing continuous manufacturing into a factory for solid dosage forms  
Clemens Stief, Pfizer, Freiburg, Germany  

## Wednesday, 12 May 2021

<table>
<thead>
<tr>
<th>Time</th>
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</table>
| 08:45 – 11:15 | Invited talks  
08:45 – 09:00 | Short talks  
11:15 – 11:45 | Coffee break  
11:45 – 12:15 | Award session  
12:15 – 13:15 | Plenary lecture  
13:15 – 14:45 | Lunch  
14:45 – 17:15 | Invited talks  
14:45 – 15:00 | Short talks |

**Invited talks: Solid dosage forms incl. Q&A**  
Chairs: Iris Ziegler, Cordon Pharma and Raphael Wiedey, University of Düsseldorf  
08:45 - Adoption of the MCS concept in the pharmaceutical industry  
Michael Leane, Bristol-Myers Squibb, New York City, USA/Kendal Pitt, GlaxoSmithKline, Ware, UK  
09:00 - Process design for innovative drug delivery systems  
Jukka Rantanen, Department of Pharmacy, University of Copenhagen, Denmark  
10:00 - The importance of understanding the physical and chemical properties of APIs in the digital design of drug products  
Kevin Roberts, Faculty of Engineering, University of Leeds, United Kingdom  

**Short talks: Controlled drug delivery**  
Chairs: Werner Weitschies, University of Greifswald and Julijana Kristl, University of Ljubljana  
08:45 - Design and control of a floating gastroretentive drug delivery system made by hot-melt tube extrusion  
Paul Bebernik, University of Bonn, Germany  
09:00 - A new calcium oral-controlled-release system based on zeolite for prevention of osteoporosis  
Anna Maria Piras, University of Pisa, Italy  
09:15 - Question and answer session  
09:30 - Spray dried microparticulate drug delivery systems for long-term local osteoarthritis treatment  
Carlotta Salgado, University of Geneva, Switzerland  
09:45 - Tuning the mechanical properties and release profile on an antimicrobial peptide from an injectable hydrogel using glycol chitosan  
James Flynn, University of Limerick, Ireland  
10:00 - Question and answer session  
10:15 - Development of N-acetylcysteine-functionlized microcontainers for degradation of biofilm matrix  
Stine Egebro Birk, Technical University of Denmark, Lyngby, Denmark  
10:30 - SymBiosys® based long acting injectable microparticle formulations for large proteins  
Tanja Henzler, Merck, Darmstadt, Germany  
10:45 - Question and answer session
Programme

10:55 - 11:10 Question and answer session

Short talks: Preformulation and bioavailability
Chairs: Catherine Herry, NextPharma and Lea Ann Dailey, University of Vienna

08:45 - 09:00 In situ drug amorphization using laser irradiation
Nale-Johanna Hempel, University of Copenhagen, Denmark

09:00 - 09:15 Understanding the Release of ITZ.HPMCAS Amorphous Solid Dispersions
Patricia Nunes, Hovione, Portugal

09:15 - 09:30 Question and answer session

09:35 - 09:50 Evaluation of different preprocessing methods of x-ray micro computed tomography images
Sebastian Bollmann, University of Düsseldorf, Germany

09:50 - 10:05 Experimental and numerical studies of input parameters calibration for the simulation of the wet granulation process for pharmaceutical use
Marcoua Rouabah, Claude Bernard University Lyon 1, France

10:05 - 10:20 Question and answer session

10:25 - 10:40 The Comparison of Permeability Efficacy of Olmesartan Medoxomil Lipid Based Drug Delivery System and Olmesartan Medoxomil Suspension Formulations by Using Optimized HDM-PAMPA Model
Yelda Komesli, University of Altinbas, Turkey

10:40 - 10:55 Insight into amorphous solid dispersion dissolution behaviour: laser-diffraction and Raman spectroscopy holding hands
María Paisana, Hovione FarmaCiencia, Lisbon, Portugal

10:55 - 11:10 Question and answer session

11:15 - 11:45 Coffee break/exhibition/posters

11:45 - 12:15 APGI award session
Maurice-Marie JANOT Award: Robert Langer
APGI Young Investigator Award: Raul Diaz Salmeron
JDDST Best Paper 2020 Award

Plenary lecture incl. Q&A
Chair: Juergen Siepmann, University of Lille

12:15 - Advances in nanotechnology
Patrick Couvreur, Faculty of Pharmaceutical Sciences, Paris Sud University, France

13:15 - 14:45 Lunch break/exhibition/posters

Invited talks: What’s new in nanotechnology? incl. Q&A
Chairs: Elias Fattal, University Paris Sud and Heike Bunjes, University of Braunschweig

14:45 - 15:30 What’s needed in nanomedicine?
Twan Lammers, Department Nanomedicines and Theranostics, RWTH, Aachen University, Germany

15:35 - 16:20 Nanotechnologies for advanced imaging
Nathalie Mignet, Chemical and Biological Technologies for Health, Université de Paris, France

16:25 - 17:10 Hyperloaded polymeric micelles for chemo- and immunotherapy
Alexander Kabanov, Eshelman School of Pharmacy at Chapel Hill, University of North Carolina, USA

Invited talks: 3D-printing incl. Q&A
Chairs: Alvaro Goyanes, FabRx and Julian Quodbach, University of Düsseldorf

14:45 - 15:30 3D-printing of medicines and implants: making the formulations work
Clive Roberts, School of Pharmacy, University of Nottingham, United Kingdom

15:35 - 16:05 3D-printing excipient for personalized vaginal inserts
Martin Spoerk, RCPE, Graz, Austria

16:05 - 16:20 Semi-Solid Extrusion 3D Printing of Orodispersible Films for Veterinary Use
Erica Sjöholm, Abo Akademi Univeristy, Finland

16:25 - 17:10 3D-printing in an industrial GMP setting
Jaedeok Yoo, Aprecia Pharmaceuticals, Blue Ash, OH, USA

Short talks: Pulmonary, nasal and buccal delivery
Chairs: Ajit Narang, Genetech and Johannes Bartholomäus, PharmaKreativ

14:45 - 15:00 High potency, brittle matrix tacrolimus powders for dry powder for inhalation by thin film freezing
Sawittree Sahakijpijarn, University of Texas at Austin, USA

15:00 - 15:15 Delivery of beclomethasone dipropionate nanosuspensions via electronic cigarette
Luca Casula, University of Cagliari, Italy

15:15 - 15:30 Question and answer session

15:35 - 15:50 P. aeruginosa biofilm infected bronchial epithelium as test-system for anti-infective aerosol formulations
Claus-Michael Lehr, Saarland University, Saarbrücken, Germany

15:50 - 16:05 Evaluation of a novel probiotic nasal spray in human volunteers
Filip Kiekens, University of Antwerp, Belgium

16:05 - 16:20 Question and answer session

16:25 - 16:40 Nanofibers with antibiotics and probiotics for the two-stage therapy of peridontal disease
Spela Zupancic, University of Ljubljana, Slovenia

16:40 - 16:55 Mucoadhesive films to elicit nanoparticle buccal permeation
Javier Morales, University de Chile, Santiago, Chile
Thursday, 13 May 2021

**Invited talks: Formulation issues for biotech drugs incl. Q&A**
*Chairs: Chris van der Walle, GSK and Karoline Bechtold-Peters, Novartis*

- **08:45 - 09:05** | **09:15 - 10:55**
  - Pellet freeze-drying of biopharmaceuticals
    - Stefan Schneid, Bayer, Wuppertal, Germany

- **09:35 - 09:55**
  - Please stay my dear: Interfacial adsorption as driving force for protein particle formation during peristaltic pumping
    - Natalie Deiringer, University of Munich, Germany

- **10:05 - 10:25**
  - Creating Highest Quality Lyophilisates With Low Oxygen and Water Content by Smart Polymer Packaging
    - Nicole Härdter, University of Munich, Germany

- **10:05 - 10:25**
  - Question and answer session

- **10:25 - 10:45**
  - Antiangiogenic folate-targeted nanoparticles for docetaxel delivery in ovarian cancer
    - Claudia Conte, University of Naples Federico II, Italy

- **10:50 - 11:10**
  - Biologics drug product development: challenges at the interface of formulation, primary packaging and application
    - Susanne Jörg, Lonza AG, Basel, Switzerland

- **10:40 - 11:10**
  - Effects of cytokines release in tissue regeneration and cancer treatments
    - Silvia Pisani, University of Pavia, Italy

- **10:55 - 11:25**
  - Bacterial membrane vesicles as novel treatment avenue for intracellular infections
    - Gregor Fuhrmann, HIPS, Saarbrücken, Germany

**Short talks: Tablets and coated tablets**
*Chairs: Kathrin Bartscher, NextPharma and Rok Dreu, University of Ljubljana*

- **14:45 - 15:15**
  - Profiling the influence of process parameters on the interfacial properties of bilayer tablets
    - Jan Hendrik Finke, Technical University of Braunschweig, Germany

- **15:00 - 15:30**
  - Evaluation of the performance of an external lubrication system implemented in a compaction simulator
    - Cedrine de Backere, Ghent University, Ghent, Belgium

- **15:15 - 15:45**
  - Influence of the unloading conditions on capping and lamination during tabling: numerical and experimental study
    - Vincent Mazel, University of Bordeaux, France

- **15:30 - 16:00**
  - Development of Mini-Tablets with SSR-25
    - Valentine Elezaj, University of Düsseldorf, Germany

- **16:05 - 16:35**
  - High solids film coating systems: continuous vs. batch processing
    - Christian Mühlenfeld, Ashland Industries Deutschland GmbH, Düsseldorf, Germany

- **16:40 - 17:10**
  - Effect of the compaction parameters on the final structure and properties of a press-coated tablet (Tab-in-Tab): experimental and numerical study of the influence of core and shell dimensions
    - Léo Picart, University of Bordeaux, France

**Short talks: Nanotechnology**
*Chairs: Guiseppe De Rosa, University of Naples and Niklas Sandler, Nanoform*

- **08:45 - 09:15**
  - Heterotelechelic polymer prodrug nanoparticles for imaging and combination therapy
    - Julien Nicolas, University Paris-Sud, France

- **09:00 - 09:30**
  - Comparison of Exosome Loading Methodologies – Development of Blood-Brain Barrier-Targeting Exosomes via Dual Asymmetric Centrifugation
    - Anne Maharinger, University of Heidelberg, Germany

- **09:15 - 10:45**
  - Antiangiogenic folate-targeted nanoparticles for docetaxel delivery in ovarian cancer
    - Claudia Conte, University of Naples Federico II, Italy

- **10:50 - 11:20**
  - Cellular and subcellular targeting of TRAP1 as a new therapeutic approach for cancer treatment
    - Céline Bassand, University of Lille, France

- **11:15 - 11:45**
  - Inhaled chemotherapy: a new modality for lung cancer treatment?
    - Nathalie Wauchoz, Université Libre de Bruxelles, Belgium

**Award session**

- **10:45 - 11:15**
  - Development of Blood-Brain Barrier-Targeting Exosomes via Dual Asymmetric Centrifugation
    - Anne Maharinger, University of Heidelberg, Germany

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**Programme**

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<td>Characterization of a Continuous Small-Scale Solid-Liquid Separator for Filtration, Washing, and Drying of Pharmaceutical Suspensions</td>
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<td>Continuous production of cyclodextrin-based reconstitution powder from aqueous solution using scaled-up electrospinning</td>
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<td>An in-silico workflow for designing a continuous mixing process with DEM simulations</td>
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<td>Visualization of solvent effects on crystal surfaces by chemical force mapping - a combined experimental and simulation approach</td>
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<td>Predicting crystal breakage in pharmaceutical agitated dryers</td>
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<td>Dissolution and re-crystallization of supersaturated indomethacin solutions</td>
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<td>Invited talks: Oral drug delivery incl. Q&amp;A</td>
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<td>Hydrophobic ion pairs: A game-changing approach for delivery of BCS class 3 drugs</td>
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<td>Biological barriers to oral delivery of macromolecules</td>
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<td>The virtual patient and the in-silico design of solid dosage forms</td>
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<td>Rational selection of Amorphous Solid Dispersion (ASD) Compositions for Improving Drug Candidate Bio-performance</td>
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<td>Monitoring drug crystallization from amorphous solid dispersions - a simultaneous DSC-approach</td>
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<td>Invited talks: Amorphous drug delivery systems incl. Q&amp;A</td>
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<td>Selective laser sintering of solid oral dosage forms with copovidone and paracetamol using a CO2 laser</td>
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<td>Direct-ink writing of implantable hybrid PCL/PEO drug delivery systems</td>
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<td>Traceable personalized oral dosage forms containing cannabinoids</td>
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<td>Investigations on inkjet printed metoprolol tartrate oordispersible films for paediatric application</td>
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</table>
Short talks: Skin delivery and protein formulations
Chairs: Nina Dragicevic, Singidenum University and Majella Lane, University College London

14:45 - 15:00
A new approach to predict in vitro-in vivo correlation for transdermal therapeutic systems
René Rietscher, LTS Lohmann Therapie-Systeme, Andernach, Germany

15:00 - 15:15
Proliposomes for the production of deformable liposomes containing drug micelles
Silvia Franze, University of Milan, Italy

15:15 - 15:30
Question and answer session

15:35 - 15:50
EPR study of effect of ascorbic acid on hair and feather samples in relation to eumelans and pheomelans
Michael Lawson, University of Bratislava, Slovakia

15:50 - 16:05
α-relaxation studies to improve long term stability of lyophilized products from a thermodynamical point of view
Sebastial Groel, University of Munich, Germany

16:05 - 16:20
Question and answer session

16:25 - 16:40
Continuous alternative to freeze-drying: solid formulation of a monoclonal antibody using high-speed electrosprinning
Júlia Domján, Budapest University of Technology and Economics, Hungary

16:40 - 16:55
A holistic approach to develop a spray-drying method for CXCL8
Sonja Hartl, RCPE, Graz, Austria

16:55 - 17:10
Question and answer session

Friday, 14 May 2021

08:45 – 11:15 Invited talks
11:15 – 11:45 Coffee break
11:45 – 12:15 Award session
12:15 – 13:15 Plenary lecture
13:15 – 14:45 Lunch
14:45 – 17:15 Invited talks

09:35 - Digital Process Design
10:20 - Sean Bermingham, Process System Enterprise (PSE), London, United Kingdom

10:25 - Study of the drying process in simulated pharmaceutical coatings: Model and experiment
10:40 - Ondrej Navratil, University of Prague, Czech Republic

10:40 - In silico design of tablet microstructure by evolutionary algorithm
10:55 - Frantisek Stepanek, University of Prague, Czech Republic

10:55 - Question and answer session
11:10 - from the two short talks

Invited talks: Nanofabrication technologies incl. Q&A
Chairs: Claus-Michael Lehry, University of Saarbrücken and Maria Carafa, University of Rome

08:45 - Novel manufacturing for healthcare: microbubbles, particles, capsules and fibres
09:35 - Mohan Edirisinghe, Biomaterials Processing Laboratory, Department Mechanical Engineering, University College London, United Kingdom

09:35 - Advances in electrosprinning
10:20 - Nalin de Silva, Department of Chemistry, University of Colombo, Sri Lanka

10:25 - Advanced in vitro lung-on-chip platforms for inhalation assays
11:10 - Josue Snitzman, Department of Biomedical Engineering, Israel Institute of Technology, Haifa, Israel

Short talks: Gene delivery and ATMP
Chairs: Nathalie Mignet, University Paris Descards and Juan M. Irache, University of Navarra

08:45 - Formulation development to stabilize viral vectors
09:00 - Julia Rabas, Leukocare, Munich, Germany

09:00 - Tablets of siRNA lipoplexes: impact of processes on structure and gene-silencing efficacy
09:15 - Virgine Busignies, University of Bordeaux, France

09:15 - Question and answer session
09:30 -

09:35 - Anti-EGFR nanovector of siRNA - a theranostic tool for triple negative breast cancer active targeting
09:50 - Phuoc Vinh Nguyen, Tours University, France

10:05 - siRNA in lung slices: knocking down fibrosis?
10:20 - Mitchel Ruigrok, University of Groningen, The Netherlands

10:05 - Question and answer session
10:20 -

10:25 - mRNA based Skin Vaccination by intradermal application of lipid coated polymeric nanoparticles
10:40 - Lena Kliesch, Helmholtz-Institute for Pharmaceutical Research Saarland, Germany

10:40 - MSC extracellular vesicles for treatment of alpha-1-antitrypsin deficiency pulmonary diseases
10:55 - Elia Bari, University of Pavia, Italy

10:55 - Question and answer session
11:10 -

Invited talks: In silico simulation for manufacturing processes incl. Q&A
Chairs: Pierre Tchoreloff, University of Bordeaux and Peter Kleinebudde, University of Düsseldorf

08:45 - Digitalization in pharmaceutical product and process design: from advanced simulations to virtual drug product development
09:30 - Johannes Khinast, Graz University of Technology, Austria

08:45 - Formulation development to stabilize viral vectors
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09:15 - Question and answer session
09:30 -
# Programme

**Short talks: Advanced drug delivery**  
Chairs: Olivia Merkel, University of Munich and Hendrik von Büren, AbbVie

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<tbody>
<tr>
<td>08:45</td>
<td>Repurposing of cationic amphiphiles to promote cytosolic RNA delivery</td>
<td>Koen Raemdonck, Ghent University, Belgium</td>
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<td>09:00</td>
<td>Alignment of supermicroparticle gels as filling matrix of multi-channel PLGA scaffolds for the treatment of peripheral nerve injuries</td>
<td>Caterina Valentino, University of Pavia, Italy</td>
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<td>09:15</td>
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<td>09:35</td>
<td>Preparation and evaluation of anticancer agent nanocrystals</td>
<td>Yohann Corvis, University of Paris, France</td>
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<td>09:50</td>
<td>Evaluation of in vivo efficacy of ferrocifen loaded lipid nanocapsules on ovarian cancer</td>
<td>Elise Lepeltier, University of Angers, France</td>
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<td>10:05</td>
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<td>10:25</td>
<td>A novel polyethylene glycol-based linker platform for the development of hydrophilic antibody-drug conjugates</td>
<td>Tommaso Tedeschini, University of Padova, Italy</td>
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<td>10:40</td>
<td>Dithiolane-crosslinked polymer micelles: reduction responsive drug release</td>
<td>Cornelus van Nostrum, University of Utrecht, The Netherlands</td>
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<td>11:45</td>
<td>International ADRITELF Award 2020</td>
<td>Giuseppe De Rosa, University of Naples Federico II, Italy</td>
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<td>11:50</td>
<td>Chair: Anna-Maria Fadda, University of Cagliari and Paolo Caliceti, University of Padova</td>
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**Plenary lecture incl. Q&A**  
Chair: Anna-Maria Fadda, University of Cagliari and Paolo Caliceti, University of Padova

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<tr>
<td>12:15</td>
<td>Oral drug delivery systems: from irrelevance to top-selling products and ongoing challenges</td>
<td>Andrea Gazzaniga, Biopharmaceuticals and Pharmaceutical Technology Laboratory, University of Milan, Italy</td>
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**Invited talks: Dermal and transdermal delivery incl. Q&A**  
Chairs: Paola Minghetti, University of Milan and Dominique Lunter, University of Tuebingen

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<td>14:45</td>
<td>Skin permeation from Pickering emulsions</td>
<td>Marie-Alexandrine Bolzinger, Claude Bernard University Lyon, France</td>
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<td>15:30</td>
<td>Microarray patches for high-dose drug delivery: targeting global healthcare challenges</td>
<td>Ryan F. Donnelly, School of Pharmacy, Queen’s University Belfast, United Kingdom</td>
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<td>15:35</td>
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**Short talks: Plenary lecture incl. Q&A**  
Chair: Sandra Klein, University of Greifswald and Luigi Boltri, Adare

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<th>Time</th>
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<th>Speaker</th>
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<tr>
<td>14:45</td>
<td>The Use of Partially Hydrolysed Polyvinyl Alcohol for The Production of High Drug-Loaded Sustained Release Pellets via Extrusion-Spheronization and Coating: In Vitro and In Vivo Evaluation</td>
<td>Valérie Vanhoorne, University of Ghent, Belgium</td>
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<td>15:00</td>
<td>X-ray imaging of micorcontainers used for oral drug delivery</td>
<td>Rolf B. Kjeldsen, Technical Univeristy of Denmark, Lyngby, Denmark</td>
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<td>15:15</td>
<td>Question and answer session</td>
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<td>15:30</td>
<td>Controlled permeability enhancement with short peptide inhibitors of protein kinase C zeta</td>
<td>Joel Brunner, University of Geneva, Switzerland</td>
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<td>15:50</td>
<td>A toolbox for mimicking gastrointestinal conditions in children: S(mulated) P(aediatric) B(reakfast) M(edia) for addressing the variability of gastric contents after typical paediatric breakfasts</td>
<td>Lisa Freerks, University of Greifswald, Germany</td>
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<td>16:05</td>
<td>Question and answer session</td>
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<td>16:20</td>
<td>Design and evaluation of self-emulsifying drug delivery system for pediatric use</td>
<td>Xiaona Liu, University of Copenhagen, Denmark</td>
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<td>16:40</td>
<td>Acceptability of antibiotics in pediatrics: findings from an international observational study</td>
<td>Thibault Vallet, ClinSearch, Malakoff, France</td>
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<td>Question and answer session</td>
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**Invited talks: Continuous manufacturing incl. Q&A**  
Chairs: Ali Rajabi-Siahboomi, Colorcon and Michael Repka, University of Mississippi

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<tr>
<td>14:45</td>
<td>Process development of the future: fully automated DoE process analysis in an integrated continuous manufacturing plant for solid oral dosage forms</td>
<td>Victoria Pauli, Novartis, Basel, Switzerland</td>
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<td>15:35</td>
<td>Residence Time Distribution (RTD) concept as element in drug product quality control strategies for continuous manufacturing</td>
<td>Bart Niterrt, Janssen Pharmaceuticals, Beerse, Belgium</td>
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<td>16:25</td>
<td>Continuous manufacturing of solid dosage forms; opportunities and controversies</td>
<td>Kendal Pitt, GlaxoSmithKline, Ware, United Kingdom</td>
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**Short talks: Oral drug delivery / Pediatric formulations**  
Chairs: Sandra Klein, University of Greifswald and Luigi Boltri, Adare

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**Short talks: Processing and PAT**  
Chairs: Javier O. Morales, University of Chile and Fransisco Otero Espinar, University of Santiago de Compostella

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<tr>
<td>14:45</td>
<td>Improving flowability and reducing storage agglomeration of metformin hydrochloride through QESD crystallization</td>
<td>Jerome Hansen, University of Düsseldorf, Germany</td>
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Programme

15:00 - 15:15 Production and downstream-processing of API-nanosuspensions
Arno Kwade, Technical University of Braunschweig, Germany

15:15 - 15:30 Question and answer session

15:35 - 15:50 Improving particle size distributions in a conical mill through new impeller air flow optimization comparisons utilizing computational fluid dynamics (CFD) analysis and empirical DoE
Wilf Sanguesa, Quadro Engineering, Ontario, Canada

15:50 - 16:05 Innovative preparation of API salt coated on particles using fluidised bed
Jakub Muzik, University of Prague, Czech Republik

16:05 - 16:20 Question and answer session

16:25 - 16:40 Insight into the impact of compaction process variations on tablet disintegration by non-destructive at-line terahertz porosity sensing
Prince Bawuah, University of Cambridge, United Kingdom

16:40 - 16:55 NIR as an in-line PAT tool to study desorption kinetics in spin freeze-dried formulations
Laurens Leys, Ghent University, Belgium

16:55 - 17:10 Question and answer session

17:15 End of conference

Poster sessions

Wednesday, 12 May 2021
Nanoparticles and vesicles
Dermal preparations
Transdermal delivery
Protein formulation and aggregation
Gene delivery
Cellular drug transport
Parenteral delivery
Quality control and PAT
Quality assurance
Green and sustainable pharma

Thursday, 13 May 2021
Oral delivery
Controlled drug delivery
Advanced drug delivery systems
Advance therapy medicinal products
Technical innovations
Pediatric and geriatric drug delivery
Veterinary medicine
Packaging
Regulatory affairs

Friday, 14 May 2021
Pharmaceutical manufacturing and engineering
Bioavailability and absorption enhancement
In-vitro/In-vivo correlations
Stability testing
Preformulation
Physical pharmacy
Starting materials
Pulmonary delivery
Buccal and nasal delivery

Chairs and committees

Chair of the conference
Eva Roblegg, University of Vienna/University of Graz, Austria

Co-chairs of the conference
Jörg Breitkreutz, University of Düsseldorf, Germany
Anna Maria Fadda, University of Cagliari, Italy
Jürgen Siepmann, University of Lille, France

Chair of the programme committee
Duncan Craig, University College London, UK

Programme committee members
Dorothee Ambrosius, Boehringer Ingelheim, Germany
Maria Carafa, Sapienza University Rome, Italy
Simon Geissler, Merck, Darmstadt, Germany
Catherine Herry, NextPharma, France
Alessandro Regola, Italy

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