

# EUFEPS Virtual Annual meeting 2021 – Bridging the gap between the patient and product design

## Preliminary Program June 7 - all sessions live in virtual classrooms

<b>09:00</b>	<b>Welcome to EUFEPS annual science meeting</b> Prof. Dr. Dieter Steinhilber, Goethe University/ President EUFEPS, Prof. Bertil Abrahamsson, AstraZeneca/Swedish Pharmaceutical Society	
	<b>Quality control session (through development to commercial - ICH Q12 and Q14 new tools and approaches)</b>	<b>Challenges in the development of orally inhaled medicines</b>
	Chairs: Jukka Rantanen, University of Copenhagen and Anders Karlsson, AstraZeneca	Chairs: Göran Alderborn and Göran Frenning, Uppsala University
<b>09:15</b>	Role of analytical chemistry in drug development – today and tomorrow <i>Mareike Lutz, University of Chalmers, Sweden</i>	Biopharmaceutics: The key to optimising inhaled medicines <i>Ben Forbes, School of Cancer and Pharmaceutical Sciences, Faculty of Life Sciences and Medicine, King’s College LondonUK</i>
<b>09:40</b>	Short lecture <i>Speaker selected from abstracts</i>	Short lecture <i>Speaker selected from abstracts</i>
<b>09:55</b>	<b>Coffee Break</b>	
<b>10:10</b>	Quality control – future aspects <i>Øyvind Holte, Norwegian Medicines Agency</i>	Particle engineering for pulmonary formulations <i>Regina Scherliess, Department of Pharmaceutics and Biopharmaceutics, Kiel University, Germany</i>
<b>10:35</b>	Short lecture <i>Speaker selected from abstracts</i>	Short lecture <i>Speaker selected from abstracts</i>
<b>10:50-11:15</b>	Characterization and Quality Control of Biopharmaceuticals <i>Dennis Åsberg, Novo Nordisk, Copenhagen, Denmark</i>	<b>RNA delivery: the Road from carrier-loading to ribosomes</b>
		Chair: Fredrik Höök, Chalmers University of Technology <i>Title and speaker to be announced</i>
	<b>Measurement and Metrology for the Digital Age</b>	<b>RNA delivery: the Road from carrier-loading to ribosomes</b>
	Chairs: Alastair Florence, University of Strathclyde and Jukka Rantanen, University of Copenhagen	Chair: Fredrik Höök, Chalmers University of Technology
<b>11:25</b>	Application of CT to understand pharmaceutical materials and processes; 3D analysis of materials and formulated systems, enable prediction of performance <i>Daniel Markl, University of Strathclyde, UK</i>	Cellular uptake and delivery of lipid nanoparticle formulated mRNA <i>Elin Esbjörner, Chalmers University of Technology, FoRmulaEx, Gothenburg, Sweden</i>

<b>11:50</b>	Short lecture <i>Speaker selected from abstracts</i>	Short lecture <i>Speaker selected from abstracts</i>
<b>12:05</b>	<b>Lunch break</b>	
	Chairs: Alastair Florence, University of Strathclyde and Jukka Rantanen, University of Copenhagen	Chair: Gerrit Borchard, Swiss Academy of Pharmaceutical Sciences
<b>13:00</b>	Metrology in particle systems, data standards for advanced measurement, uncertainty and repeatability <i>Caterina Minelli, National Physical Laboratory, UK</i>	Developing robust control strategies for Commercial Nanomedicines <i>Speaker to be announced, AstraZeneca, Sweden</i>
<b>13:25</b>	Hyperspectral Imaging – Data Science <i>José Manuel Amigo, University of Basque Country and Ikerbasque Basque Country</i>	Manufacturing of Nano-based Materials <i>Johannes Khinast, Graz University of Technology, Austria</i>
<b>13:50-14:05</b>	Short lecture <i>Speaker selected from abstracts</i>	Short lecture <i>Speaker selected from abstracts</i>

	<b>Advanced pharmaceutical manufacturing - Challenge or opportunity for the pharmaceutical industry</b>	<b>Progress in Biopharmaceutics tools</b>
	Chairs: Johannes Khinast, Graz University of Technology and Anette Larsson, Chalmers University of Technology	Chairs: Christos Reppas, National and Kapodistrian University of Athens and Jenny Dressman, Goethe University Frankfurt
<b>14:15</b>	Scale-up and process transfer challenges in continuous wet granulation <i>Fanny Stauffer, UCB, Belgium</i>	Effect of surfactants and polar lipids structure on drug solubility in biorelevant media <i>Zahari Vinarov, Sofia University St. Kliment Ohridski, Bulgaria</i>
<b>14:40</b>	Continuous Manufacturing of a Pharmaceutical Coated Tablet by Direct Compression: Experiences from Commercial Operations <i>Stephen Conway, Merck</i>	The impact of the dynamic nature of the GI environment on drug and formulation behaviour <i>Patrick Augustijns, KU Leuven, Belgium</i>
<b>15:05</b>	Short lecture <i>Speaker selected from abstracts</i>	Short lecture <i>Speaker selected from abstracts</i>
<b>15:20</b>	<b>Coffee Break</b>	
<b>15:35</b>	Challenges in transferring to continuous manufacturing <i>Pirjo Tajarobi and Håkan Wikström, AstraZeneca Mölndal, Sweden</i>	Progress in bio-enabling formulation design of Lipid-based drug delivery systems <i>Brendan Griffin, University College Cork, Ireland</i>
<b>16:00</b>	Rational Design of Advanced Pharmaceutical Manufacturing Processes <i>Johannes Khinast, Graz University of Technology, Austria</i>	PBPK modelling and in vitro biorelevant testing for prediction of in vivo performance in GI disease <i>Nikoletta Fotaki, University of Bath, UK</i>

<b>16:25-16:40</b>	Short lecture <i>Speaker selected from abstracts</i>	Bridging the quantum gap: in silico screening and selection of precipitation inhibitor, <i>Daniel Price</i> , Merck
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**Each lecture will include 5 min Q&A where questions are posted by chat and questions raised verbally by moderator.**