

International Conference & Galenus Workshop

Exploring the Future of Inhalation Drug Delivery

Parma, Italy, 11th-13th September 2024

TUESDAY September 10		
Activity		Time
Registration Placing of the poster on the board Setting up the exhibitors' tables		16:00-19:00
WEDNESDAY September 11		
Speaker	Title	Time
Prof. Paolo Martelli (University Rector) Francesca Buttini (University of Parma) Cornelia Désirée Sonntag (Galenus Foundation)	Conference Opening: Welcome and Introduction	9:00-9:25
New Paradigms in Lung Delivery		
Keynote 1: David Edwards (Harvard University, US)	Global warming is dehydrating human airways: rehydrating with hypertonic divalent salt aerosols treats chronic cough	9:25-10:00
Michael Hindle (Virginia Commonwealth University, US)	Development of a lung surfactant powder aerosol product for babies with respiratory distress syndrome	10:00-10:25
Pavan Muttill (University of New Mexico, US)	Formulation development and preclinical evaluation of aerosol vaccines: challenges, opportunities and lessons learnt	10:25-10:50
COFFEE BREAK + POSTER SESSION		
Nicola Tsapis (Paris-Saclay University, France)	Nanomedicines and microparticles for the treatment of pulmonary infections	11:30-11:55

David Cipolla (Insmmed, US)	Preclinical and CMC development of treprostinil palmitil inhalation powder	11:55-12:20
Paul Hagedoorn (University of Groningen, The Netherlands)	The development of pulmonary levodopa applications for patients with Parkinson's disease	12:20-12:45
LIGHT LUNCH + POSTER SESSION		
Respiratory Tree as a Site for the Delivery of Biologics		
Tomaso Guidi (Chiesi Farmaceutici, Italy)	Inhaled Biologics: current trends in the industry	14:30-14:55
Francesca Buttini (University of Parma, Italy)	The formulation of protein and probiotics in dry powder inhalers	14:55-15:20
Mirjam Kobler (H&T Presspart, UK)	The Sunriser – achieving high performance in challenging formulations	15:20-15:35
	<i>To be selected from abstracts submitted</i>	15:35-15:50
COFFEE BREAK + POSTER SESSION		
Regina Scherließ (Kiel University, Germany)	Nasal vaccine technology	16:30-16:55
Ben Forbes (King's College London, UK)	Biologics from nose to brain	16:55-17:20
	<i>To be selected from the abstract submitted</i>	17:20-17:35
	<i>To be selected from the abstract submitted</i>	17:35-17:50
WELCOME RECEPTION		18:00-19:30

THURSDAY September 12		
<i>Speaker</i>	<i>Title</i>	<i>Time</i>
Biologics Loves Lungs		
Keynote 2: Hugh Smyth (University of Texas at Austin, US)	Developing inhaled mAbs and nucleic acids for therapeutic success	9:00-9:35
Jenny Lam (University College London, UK)	How to make antibodies formulation stable and inhalable	9:35-10:00
	<i>To be selected from abstracts submitted</i>	10:00-10:15
Simon Gardner (Bespak, UK)	Navigating the green propellant transition - strategies for the development & commercialisation of low global warming potential pMDIs	10:15-10:30
COFFEE BREAK + POSTER SESSION		
Environmental Protection Becomes a Reality in the Development of pMDI		
Paul Young (Ab Initio Pharma, AU)	Breathing green: navigating the transition from HFAs to low GWP propellants in inhalation products	11:10-11:35
Angelo Matturro (Chiesi, Italy)	Transition to LGWP propellant using HFA152a	11:35-11:50
David Lechuga (Astra Zeneca, US)	pMDI engineered particle suspensions in next generation propellants	11:50-12:15
Chris Baron (Aptar Pharma, France)	Key learnings and pathways forward. Circumnavigating the challenges of your low GWP pMDI transition programs	12:15-12:30
Sergio Monti (RxPack, Italy)	Shifting tides: pMDI market scenarios into the low GWP propellant transition	12:30-12:45
LIGHT LUNCH + POSTER SESSION		
Last Frontiers in Lung Infection		
Keertan Dheda (University of Cape Town, South Africa)	Challenges in the prevention and management of drug-sensitive and drug-resistant Tuberculosis	14:15-14:40

Lea Ann Dailey (University of Vienna, Austria)	A liposomal strategy for inhaled bedaquiline: in vivo pharmacodynamics and pharmacokinetics	14:40-15:05
Francesca Ungaro (University of Naples, Italy)	Novel formulation approaches for lung infection treatment	15:05-15:30
COFFEE BREAK + POSTER SESSION		
PhD Students Contest Seven7th	Seven talks of 10 minutes selected from abstract submission	16:00-17:15

FRIDAY September 13		
<i>Speaker</i>	<i>Title</i>	<i>Time</i>
New Research		
Federico Lavorini (University of Florence, Italy)	Physiological and technological barriers in the treatment of COPD	9:15-9:40
Jan de Backer (FLUIDDA, US)	The role of digital twins and in-silico trials as regulatory tools for the authorization of orally inhaled drugs	9:40-10:05
Carsten Ehrhardt (Trinity College, Ireland)	Uptake mechanisms of molecules released into the lungs	10:05-10:30
Yannick Baschung (Solvias AG, Germany)	Enhancing respiratory therapy with digital inhalers: Insights from multi-modal experimental and In-Vitro analysis	10:30-10:45
Announcement of PhD Student Award COFFEE BREAK + POSTER SESSION		
Daniela Traini & Julie Suman (Macquarie University, Australia & Aptar, US)	Non-clinical tests in the evaluation of inhaled pharmaceuticals	11:15-11:40
Per Bäckmann (Emmace, Sweden)	Physiologically-based biopharmaceutical models- a tool to understand local and systemic exposure of inhaled medicines	11:40-12:05
Sharareh Salar-Behzadi (RCPE, Austria)	Lipid-Based Drug Delivery for Inhaled Therapeutics	12:05-12:30
Noémi Stefánia Csaba (University of Santiago de Compostela, Spain)	A multi-stage pulmonary drug delivery system based on sporopollenin	12:30-12:55
Francesca Buttini	CLOSING REMARKS	12:55-13:00

We would like to thank the support of the following Industry Partners

PLATINUM SPONSORS



GOLD SPONSORS



SILVER SPONSORS



BRONZE SPONSORS



Under the patronage of

