

International Conference

Exploring the Future of Inhalation Drug Delivery

Parma, Italy, 8th-10th September 2026

Conference Schedule

TUESDAY September 8th

ACTIVITY	TIME
Registration Poster installation Exhibitor Setup	09:00 – 14:00

TUESDAY September 8th

SPEAKER	TITLE	TIME
Prof. Paolo Martelli (University Rector)	Conference Opening: welcome and introduction	14:00 – 14:20
Francesca Buttini (University of Parma)		

New Paradigms in Lung Delivery

Chairs: Ruggero Bettini & Joanne Peart

<i>Keynote Speaker:</i>		
Melanie Ott (Gladstone Institutes)	In the Air Around Us: Understanding and Outpacing Viral Threats	14:20 – 15:00
Fabien Barbirato (Sanofi)	Beyond the Needle: Engineering Novel mRNA Lipid Nanoparticle Formulations for Respiratory Mucosal Vaccination	15:00 – 15:25
Philip Kwok (University of Sydney)	Probiotic-bacteriophage aerosols for treating bacterial lung infections	15:25 – 15:50

COFFEE BREAK + POSTER SESSION

New Paradigms in Lung Delivery - continued

Chairs: Julie Suman & Francesca Buttini

Andrea Casazza (Chiesi Farmaceutici)	Disease-First, a Strategy for Next-Generation Inhaled Medicines	16:30 – 16:55
Michael Goller (TranspireBio)	Expanding Inhalation Therapies beyond Asthma and COPD	16:55 – 17:20
Lucas Silva (Nanopharm-Aptar Pharma)	Breaking Barriers in Biologics Delivery: Advanced Nasal and Pulmonary Delivery of Large Proteins and Nucleic Acids	17:20 – 17:30

Anselm Ebert
(H&T Presspart)

Navigating Inhalation Trends: Delivering Innovative,
Sustainable Device Solutions

17:30 – 17:40

Welcome Reception
17:40–19:00 | Drinks & networking

WEDNESDAY
September 9th

Aerosols for Lung Infections

Chairs: Irene Rossi & Hugh Smyth

Sara Maloney (RTI International)	Formulation Strategies for Inhaled NTM Therapies	09:00 – 09:25
Mercedes Gonzalez-Juarrero (Colorado State University)	Preclinical development of aerosol therapy for <i>M. abscessus</i> pulmonary disease	09:25 – 09:50
Rahul Kumar Verma (Institute of Nano Science and Technology Mohali)	Inhalable self-propelled Autonomous micro motors for Tuberculosis therapeutics	09:50 – 10:05
Miles Kottman (Bespak)	Beyond the propellant: taking the next step in low carbon pMDIs	10:05 – 10:15

COFFEE BREAK + POSTER SESSION

Pressurised Metered Dose Inhalers at 70

Chairs: Daniela Traini & Geraldine Venthoye

John Pritchard (Inspiring Strategies)	Is the transition to lower global-warming propellants on schedule?	11:00 – 11:20
Sheryl Johnson (Orbia)	pMDI Formulation at 70: Unlocking HFA 152a for the Next Generation	11:20 – 11:30
Mark Boelens (Solstice)	Evolving Regulatory Landscape for the Adoption of Low Global Warming Potential (LGWP) Propellants	11:30 – 11:40
Paul Young - David Lewis (Oz-Uk Ltd)	From First Principles to Representative Performance: pMDIs in the Low-GWP Era	11:40 – 12:00
Stephen Stein (CGT Pharma Consulting)	Developing Suitable Suspension MDI Formulations in LGWP Propellants	12:00 – 12:20

ROUND TABLE

12:20 – 13:00

pMDIs at 70: What does the future hold?

John Pritchard – Nick Smalley (Kindeva) – Stephen Stein – Paul Young

LIGHT LUNCH + POSTER SESSION

Mucus-Penetrating Particles and RNA Delivery

Chairs: Alessandro Fioni & Ben Forbes

Keynote Speaker

Justin Hanes (Johns Hopkins University)	The Airway Mucus Barrier and How to Overcome it	14:15 – 14:55
Rémi Rosière (InhaTarget Therapeutics)	Lung Delivery of Nucleic Acid-Loaded Lipid Nanoparticles to Tackle High Unmet Needs in Respiratory Medicine	14:55 – 15:20
Koen Raemdonck (Ghent University)	Inhalable RNA formulations for pulmonary diseases	15:20 – 15:45
Franziska Dahmann (Fraunhofer ITEM, Hannover)	Translational development of an inhaled palmitoyl-conjugated antiviral siRNA against Human Parainfluenza virus infection	15:45 – 16:00

COFFEE BREAK + POSTER SESSION

ROUND TABLE

16:30 – 17:30

1000 Years of Experience, 16 Years of Progress: What Still Remains?

Chair: Jayne Hastedt

Per Bäckman (Emmace AB) • **Andy Clark** (InStatIn Inc., remote) • **Paolo Colombo** (PlumeStars) •
Carsten Ehrhardt (Trinity College Dublin) • **Ben Forbes** (King's College London) • **Anthony Hickey** (RTI International) •
John Patton (Kindeva) • **Jeffrey Weers** (PhIAT, remote)

THURSDAY September 10th

New Perspectives on Airway Inflammation and Chronic Cough

Chairs: Stefano Aliberti & Gaetano Caramori

Keynote Speaker

David Edwards (SC Therapeutics)	Airway inflammation and hypertension	09:00 – 09:40
Federico Lavorini (Careggi University Hospital)	Clinical Aspects and Pathophysiology of Chronic Cough	9:40 – 10:05
Alyn Morice (University of Hull)	Chronic Cough Management: From Current Treatments to Emerging Therapies	10:05 – 10:30
Diletta Mandrioli (University of Parma)	Carbainium Dry Powder Inhaler for Prolonged Chronic Cough Treatment	10:30 – 10:45

COFFEE BREAK + POSTER SESSION

From Emerging Respiratory Therapies to Delivery and Translational Tools

Chairs: Federico Lavorini & Gaetano Caramori

Stefano Aliberti (Humanitas Research Hospital)	Non-cystic fibrosis bronchiectasis and emerging therapeutic strategies	11:30 – 11:55
Valentina Fainardi (Parma University Hospital)	Airway Microbiota in Cystic Fibrosis: From Patient Sputum Profiling to Novel Therapeutic Opportunities	11:55 – 12:15

Philip Kuehl (Aptar Pharma)	Preclinical Tools for Advancing Pulmonary and Nasal Drug Products	12:15 – 12:35
Murat Ali (Phillips Medisize)	Enabling Therapies Today and Tomorrow: Demonstrating the Versatility of Blister-Based Dry Powder Inhalers for Current and Future Drug Delivery	12:35 – 13:00

LIGHT LUNCH + POSTER SESSION

Nasal Delivery of Biologics and RNA

Chairs: Regina Scherliess & Fabio Sonvico

Nathalie Heuzé-Vourc'h (National Institute of Biomedical Research)	Exploring Intranasal Delivery of Anti-Infective Antibodies	14:30 – 14:55
Chantelle Ahlenstiel (Kirby Institute)	Respiratory delivery of antiviral RNA therapeutics	14:55 – 15:20
Katharina Schindowski (Biberach University)	Intranasal nose-to-brain delivery of a monoclonal antibody with a controlled release drug delivery system: proof-of-concept and pharmacokinetic studies in mini pigs	15:20 – 15:45

COFFEE BREAK + POSTER SESSION

Chairs: Teresa M Carvajal & Daniela Traini

Brianna Walz (University of Toronto)	Optimization and Mechanistic Characterization of Intranasal mRNA-Lipid Nanoparticles for Systemic Protein Secretion	16:15 – 16:30
Ana Fortuna (University of Coimbra)	Translational In Vivo Evidence Supporting Nose-to-Brain Drug Delivery for Central Nervous System Disorders	16:30 – 16:50
Francesca Buttini (University of Parma)	CLOSING REMARKS	16:50– 17:00

Gala Dinner – Complesso Monumentale della Pilotta, Voltoni del Guazzatoio
19:30–01:30 | Dinner, DJ set & open bar

September 11th – Pitch Contest in Respiratory Disease
10:00–16:30 | Drinks reception to follow



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