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3rd ANNUAL
INHALED & NASAL
BIOLOGICS/DNA
FORUM 2024
26-27 September 2024
Cambridge, UK
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Welcome

Biologics and nucleotide-based therapeutics have gained increasing importance in the last decade. Pulmonary and intranasal delivery of these presents a compelling, non-invasive alternative to traditional parenteral methods, offering potential for both local respiratory and systemic treatments across a variety of diseases and indications.

However, biologics, mRNA, nucleotide-based therapeutics and vaccines present unique challenges for respiratory administration and whilst there can be many ways to design a product, the developer needs to balance, amongst many other things, product performance, manufacturability, regulatory risk, and commercial elements.

During this 3rd edition, the conference promises to provide a platform for discussing the latest research and optimal strategies for pulmonary and intranasal biologic/DNA drug development. With renowned industry leaders who will share their insight and real-world case studies, our speakers will explore innovative formulation and delivery technologies and the rationale behind overcoming development challenges.

KEYNOTE SPEAKER

Dr Jenny Lam, Associate Professor in Pharmaceutics, UCL School of Pharmacy, UK

KEYNOTE: Alternative to LNPs - development of peptide-based RNA delivery systems for pulmonary delivery

Dr Lam's research is focused on the development of novel delivery systems for RNAs and biologics, with special interest in using particle engineering methods to produce dry powder aerosols for lung delivery, targeting various respiratory diseases and infections. She has published over 90 peer-reviewed articles and filed a number of patent applications on pulmonary drug delivery systems.

In 2020, she was awarded the DDL Emerging Scientist Award which recognised her significant accomplishment and innovation in inhalation science. Additionally, Dr Lam recently co-edited "Respiratory Delivery of Biologics, Nucleic Acids and Vaccines", a comprehensive review of pulmonary delivery of macromolecules and biologics.

FORUM AGENDA

Wednesday, 25th September 2024 - Networking

- Intertek laboratory tour (optional), Intertek Melbourn, Cambridgeshire, 2pm
- Networking drinks reception, Hinxton Hall, 5.30pm

Thursday, 26th September 2024 - Day 1 of Conference

- Conference session & panel discussion
- Networking drinks 5.30pm & evening conference dinner

Friday, 27th September 2024 - Day 2 of Conference

- Conference session & panel discussion

Meet some of our speakers

This year's conference features world-renowned industry leaders sharing the latest learnings on inhaled & nasal biologics and DNA medicine development with real-world case studies to stimulate discussion. We will be releasing more news of our esteemed speakers over the coming weeks.

Dr Jenny Lam, Associate Professor in Pharmaceutics, UCL School of Pharmacy

Keynote Talk: Alternative to LNPs - development of peptide-based RNA delivery systems for pulmonary delivery

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Prof Dr. Regina Scherließ, Director, Department of Pharmaceutics and Biopharmaceutics, Kiel University

Talk Title: Nasal delivery of vaccines - not as easy as expected

Prof. Dr. Regina Scherließ is a professor for Pharmaceutics and Biopharmaceutics, vice-dean for research of the Faculty of Natural Sciences at Kiel University (since 2022) and chair of the Department of Pharmaceutics at Kiel University, Germany. As such she leads the research unit in Pharmaceutics and is responsible for all teaching in Pharmaceutics and Biopharmaceutics at Kiel University. She is a pharmacist and received her Dr. rer. nat. (doctor of natural sciences) in 2008 for a work on "Formulation of inhalation combination products by co-precipitation". In 2015 she finished her "habilitation" working on "Mucosal vaccination via the respiratory tract". During her academic education she had research stays in Denmark, the US, New Zealand and Australia. She also received several young researcher awards, including The Pat Burnell New Investigator Award 2010 of the Aerosol Society and is member of the DDL scientific committee (since 2015). She also is member of the board of the priority research area KiNSIS (Kiel Nano Interface and Surface Sciences) at Kiel University (since 2020). Her research interests include disperse systems and nanoparticles, stabilisation of biomolecules and particle engineering in spray drying, and formulations for mucosal vaccination with a focus on respiratory (nasal and pulmonary) dry powder delivery. She is a co-founder of the Nasal Research Focus Group, a research consortium from academia and industry focusing on nasal drug delivery.

Catherine Huntington, Associate Director, R&D Biologics Engineering, AstraZeneca

Talk Title: Optimising Delivery of Biologics Through Inhalation; Challenges and Opportunities

Catherine is a Protein Scientist with over 20 years in the Biotechnology industry. She has broad knowledge of all aspects of the drug discovery process for biologics and has been the Co-leader for four pre-clinical projects that successfully transitioned into early pre-clinical development for which she developed novel therapeutic recombinant proteins. Three of those projects were aimed at inhalation delivery; one is currently progressing in Phase 2 clinical trials. She is a contributor to three systemic pre-clinical projects and Co-Inventor on four patent applications in addition to three published ones. She is experienced in working in cross-functional teams in matrix structure and contributing to developability guidance for inhaled biologics. Catherine is interested in understanding better the quality attributes of inhaled biologics for spray drying stability.

Francesca Buttini, Associate Professor, University of Parma

Talk Title: Effective formulation strategy for pulmonary delivery of probiotics

Francesca Buttini currently holds an Associate Professor position at the Food and Drug Department, University of Parma (IT) and where now she is leading the unit dedicated to design of pharmaceutical products for inhalation. In 2014, she was appointed as Visiting Lecturer at the Institute of Pharmaceutical Science of King's College London (UK). Combining her background in pharmaceutical technology, regulatory aspects, and device design, she is executing research programs aimed to deliver medicinal products that take into consideration the patient, industrial and regulatory requirements. To date, she has published more than 98 original papers and as a result of her research achievement, she obtained in 2017 the DDL Emerging Scientist Awards from the UK Aerosol Society. Francesca Buttini is a founder of PlumeStars, an innovative SME, dedicated to development of orphan drug products to treat lung and systemic disease by inhalation therapy.

Tanvir Tabish, Director, Early Stage Formulation Sciences, AstraZeneca

Talk Title: Optimising Delivery of Biologics through Inhalation: Challenges and Opportunities

Tanvir joined AstraZeneca about a year ago. He is based in Cambridge, UK, and is working as a Director in the Dosage Form Design and Development (DFDD) group of the company. The responsibilities of the DFDD group include developing pharmaceutically stable, market competitive, user centric biopharmaceutical dosage forms. Prior to joining AstraZeneca, Tanvir worked in the Biopharmaceutical industry, for a number of years, for Novartis, Takeda, Beaufour Ipsen and GSK.

Dr. Jaap Wieling, CEO, PureIMS bv

Talk Title: Non-clinical and clinical development aspects of inhaled biologics

Jaap Wieling is a pharmacologist with a vast track record in the development of new pharmaceutical products based on small and large molecules, as a scientist and as an executive in various pharma companies and contract organizations. He is an entrepreneur since 1999, and (co-)founded several biotech and service companies. In parallel, he has been a part-time university teacher for almost 2 decades (Groningen), teaching clinical and bioanalytical aspects of drug development. He also serves on the board of various biotech companies. Jaap is currently CEO of PureIMS, an innovative company in the Netherlands developing a pipeline of dry-powder inhalation products and also co-developing products with pharma partners.

Asaf Cohen, VP CMC, SpliSense LTD

Talk Title: Development Path of RNA Based Platform for Pulmonary Diseases

Mr. Cohen brings more than a decade of demonstrated experience in the pharmaceutical industry, focusing on production, device, and analytical development, most of them under GMP regulatory environments. Prior to SpliSense, Asaf spent almost seven years at Polypid Israel in various high-responsibility positions in manufacturing, operations, logistics, and engineering while playing a pivotal role in new product development, design of the scaled-up processes, tech transfers, process optimization as well as leading the design and construction of a new aseptic production facility.

Don't miss out on this opportunity to learn more about key topics shaping the future of inhaled therapeutics.

LOCATION

VENUE: Hinxton Hall, Cambridge, UK

Set within a one-hundred-acre estate bordering the River Cam, Hinxton Hall Conference Centre is located on the Wellcome Genome Campus, alongside research institutions that are at the forefront of the genomics revolution.

Hinxton Hall is 25minutes from the centre of Cambridge, and a mere 60 minutes from London and accessible from Heathrow, Luton and Gatwick airports and is only 20minutes from London Stansted Airport. The hall is easily accessible from the M11. For GPS please use: CB10 1SA.

The Intertek team will book accommodation on your behalf if you indicate that you require a room during registration. The cost for two nights' accommodation is included in your registration fee. Please note that there are limited double rooms available at the venue and these will be allocated on a first-come, first-served basis.

REGISTRATION

Save your spot as a key stakeholder in this growing industry community. Places are limited and so please register now.

Registration packages are available including accommodation. Please make your selection during registration.

Rate	Incl. 2 nights' accommodation	Incl. 1 night accommodation	No accommodation required
Early Bird Rate (until 14 June 24)	£499	£449	£399
Standard Rate (from 15 June 24)	£549	£499	£449

Please follow this link to register >

QUESTIONS?

Please contact our event team:
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