

Drug Delivery to the Lungs 27

7th – 9th December 2016

Wednesday 7th December 2016

- 11:00 – 12:00 Registration & Refreshments
- 12:00 – 13:30 Networking Buffet Lunch in the Exhibition Hall
- 13:30 – 13:45 Welcome and Opening Remarks:
Gary Pitcairn, Chair, DDL Committee

CONFERENCE OPENING PLENARY

- 13:45 – 14:15 The European Asthma Research & Innovation Partnership - tackling Europe's high asthma prevalence and death rates
Dr Samantha Walker, Director, Research & Policy and Deputy Chief Executive, Asthma UK

SESSION 1: INHALERS – WERE THEY REALLY MEANT FOR HUMANS?

- 14:15 – 14:45 Inhaler device and errors
Professor Henry Chrystyn, Emeritus Professor, Inhalation Consultancy
- 14:45 – 16:15 Posters, Exhibition & Refreshments
MANNED POSTER SESSION
Posters 1 -36
- 16:15 – 16:45 Human factor considerations in inhaler innovation
Mr Julian Dixon, Director of Human Factors, Team Consulting Ltd
- 16:45 – 17:05 Clinically relevant in vitro tests for the assessment of innovator and generic nasal spray products
Mrs Mandana Azimi, Virginia Commonwealth University
- 17:05 – 17:25 Innovations in nebulized delivery
Dr John N Pritchard, Respiroics Respiratory Drug Delivery (UK) Ltd

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- 17:30 – 20.00 Exhibitor Drinks Reception
Exhibition hall
Drinks & Canapes for all attendees

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Thursday 8th December 2016 - AM

08:00 – 8:55 **Registration & Refreshments**
Exhibition Hall & Poster Viewing

08.55 – 09:00 **Opening of Conference**

ANNUAL DDL LECTURE

09:00 – 09:45 **The challenge of delivering drugs to the lungs**
Dr Stephen P. Newman, Scientific Consultant

PLENARY LECTURE

09:45 – 10:15 **Biologics in Asthma – are we turning the corner**
Professor Roland Buhl, Mainz University Hospital

10:15 – 11:30 **Posters, Exhibition & Refreshments**
MANNED POSTER SESSION
Posters 37 - 76

SESSION 2: BEYOND ASTHMA AND COPD

11:30 – 12:00 **Development to approval of NARCAN® nasal spray**
Mr Fintan Keegan, Head of Technical Operations, Adapt Pharma Ltd

12:00 – 12:15 **New lung-tumour-penetrating nanocarrier designed for aerosolized chemotherapy**
Dr Rémi Rosière, Université Libre de Bruxelles

12:15 – 12:30 **Oxytocin receptor expression but a lack of response to oxytocin in airway tissues**
Mr Jibriil Ibrahim, Monash Institute of Pharmaceutical Sciences

12:30 – 12:45 **Anti-inflammatory activity of novel trans-stilbene sulfonamide analogues as potential novel therapeutic agents for lung disease**
Mrs Rhamiya Mahendran, University of Hertfordshire

12:45 – 14:00 **Networking Lunch**
Exhibition Hall & Poster Viewing

Thursday 8th December 2016 – PM

SESSION 3: THE PAT BURNELL NEW INVESTIGATOR AWARD

- 14:00 – 14:15 Characterisation of MRP1 in human distal lung epithelial cells in vitro
Mr Mohammed Ali Selo, Trinity College Dublin
- 14:15 – 14:30 Carrier microstructure and performance of dry powder inhalation mixtures: A step towards universal performance prediction model
Mr Ahmed O. Shalash, European Egyptian Pharmaceutical Industries
- 14:30 – 14:45 Development of inhalable drug formulations for idiopathic pulmonary fibrosis
Mr Ville Vartiainen, University of Helsinki
- 14:45 – 15:00 Investigating the effect of the force control agent magnesium stearate in fluticasone propionate dry powder inhaled formulations with single particle aerosol mass spectrometry (SPAMS)
Mr Martin Jetzer, Novartis Pharma AG
- 15:00 – 15:15 Influence of blender type on the performance of ternary dry powder inhaler formulations
Mr Mats Hertel, Kiel University
- 15.15 – 16.00 **Posters, Exhibition & Refreshments**

SESSION 4: 60 YEARS OF THE pMDI

- 16:00 – 16:30 The Future of Propellants for pMDIs
Dr Tim Noakes, Medical Products Technical Associate, Mexichem & Stuart Corr, Mexichem
- 16:30 – 17:00 Next generation formulations for pMDIs
Professor Glyn Taylor, Director of Research, i2c Pharmaceutical Services
- 17:00 – 17:20 Novel techniques for characterising inhalers
Dr Alan McKiernan, Prior PLM Medical
- 17:20 – 17:40 Multi-physics theoretical approach to predict pMDI spray characteristics
Dr Barzin Gavtash, Loughborough University

17:45 – 20:00 **Entertainment Evening**
Cromdale Hall, Conference Centre
Poster Awards & Prize Giving. All attendees welcome

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Friday 9th December 2016

08:00 – 08:55 **Registration & Refreshments
Exhibition Hall & Poster Viewing**

SESSION 5: INNOVATIONS IN AEROSOL DELIVERY

09:00 – 09:30 Innovations in formulations to improve aerosol delivery
Professor Peter York, Chairman and Chief Scientist, CrystecPharma

09:30 – 09:50 Aspergillus fumigatus in valved holding chambers: use of silver ion additive
technology on fungal activity and aerosol delivery characteristics
Mr Mark Sanders, Clement Clarke International Ltd

09:50 – 10:10 In-silico lung modeling platform for inhaled drug delivery
Dr Antonio Cabal, Merck & Co

10:10 – 11:20 **Posters, Exhibition & Refreshments**

11:20 – 11:50 m-health on asthma – friend or foe
Dr Stephen Fowler, The University of Manchester

11:50 – 12:10 Polymer-protein-based dry powder for efficient pulmonary protein delivery
Mr Alejandro Nieto-Orellana, University of Nottingham

12:10 – 12.40 Multiplexed optical molecular sensing and imaging in the lungs
Dr Kev Dhaliwal, University of Edinburgh

12:40 – 12:45 **Concluding Remarks and Conference Close**
Gary Pitcairn, Chair, DDL Committee

12.45 **Close**