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, Respironics Respiratory Drug Delivery (UK) Ltd

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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<table>
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| 08:00 – 08:55| Registration & Refreshments  
Exhibition Hall & Poster Viewing                                      |
| 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                                                                  |