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NHS

National Institute for
Health Research

Joint Respiratory Research Day

3rd May 2017



Image courtesy of Alison John

Clinical Sciences Building
Nottingham City Hospital (NG5 1PB)

Held in conjunction with Nottingham Centre for Respiratory Research
& Leicester Respiratory Biomedical Research Unit

Programme

8.45 Coffee & Registration

9.25 Welcome and Introduction by Professor Alan Knox

Chair: Prof Chris Brightling, University of Leicester

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|-------|---|-------------------|
| 9.30 | Transcriptomic Profiling of Cultured Human Bronchial Epithelial Cells Isolated From Asthma Patients | Sangita Bhaker |
| 9.45 | A role for human type 2 innate lymphoid cells in asthma exacerbation? | Jamie McCarthy |
| 10.00 | The role of histone arginine methylation in gene expression of airway smooth muscle cells in asthma | Klaudia Kaczmarek |
| 10.15 | Quinacrine induces transcriptional silencing of PRMT5 to mediate synthetic lethality in mesotheliomas harbouring biallelic deletion of MTAP | Sara Busacca |
| 10.30 | Refreshments | |

Chair: Dr Charlotte Bolton, University of Nottingham

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|-------|---|------------------|
| 11.00 | Bronchial Epithelial Expression of IL33 and IL1RL1: Stratification based on asthma risk genotypes | Michael Portelli |
| 11.15 | A Genome Wide Association Study of Moderate-Severe Asthma in subjects from the United Kingdom | Ian Sayers |
| 11.30 | Does BMI status influence spirometry and respiratory muscle strength in children? | Gregory Duncan |
| 11.45 | Ventilation heterogeneity in children with severe asthma | Amy Nuttall |
| 12.00 | Cell-Cell Communication in Lymphangioleiomyomatosis: Microarray Analysis Shows Induction of Chemokines and Recruitment of Inflammatory Cells to LAM Nodules | Arundhati Dongre |
| 12.15 | Lunch & poster exhibition | |

Chair: Prof Andrew Wardlaw, University of Leicester

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| 13.30 | The Impact of Particulate Matter on Staphylococcus aureus and Streptococcus pneumoniae | Jo Purves |
| 13.45 | A CD98hc-Dependent Mechanism Mediates Pro-inflammatory Cytokine Release in Cell and Animal Models of Lung Injury | Bibek Gooptu |
| 14.00 | Cyclic Stretch Induces Transforming Growth Factor- β Signalling in Fibroblasts: A Profibrotic Response to a Common Stimulus | Amanda Goodwin |
| 14.15 | Body mass index across adulthood and the development of airflow obstruction and emphysema | Ruth Tetherwey |
| 14.30 | Altered ASM Mass and Contractile Responses in an Ovalbumin Murine Model of Asthma during the Inflammation Resolution Phase as assessed by PCLS and IHC | Christopher Philp |
| 14.45 | Refreshments | |

Chair: Prof Alan Knox

- 15.15 Key Note Speaker: Jacky Smith
- 16.05 The Wendy Stannard Prize for Best Presentation
- 16.15 Cheese & wine gathering*

The event from 9.25 – 16.15 has been financially supported through the purchase of exhibition trade space by the following companies, none of whom have had influence on the agenda or speaker selection.

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* The cheese and wine gathering is not financially supported by or endorsed by our sponsors.