**Irish Thoracic Society Annual Scientific Meeting**

**22nd, 23rd and 24th November 2018 - Hastings Europa Hotel, Belfast**

**Thursday 22nd November 2018**

**13.00 – 17.00** ITS Specialist Registrar (SpR) Training

*Kindly supported by Astra Zeneca through an unrestricted educational grant*

**18.00 – 20.30** ITS Case Study Forum, Dinner and Prize Giving

*Kindly supported by Astra Zeneca through an unrestricted educational grant*

**Chair J. Rendall, Belfast City Hospital, Belfast**

**Panel E. Kelly, St Vincent’s University Hospital, Dublin**

**M. Kelly, Altnagelvin Area Hospital, Derry**

**E. McKone, St Vincent’s University Hospital, Dublin**

**18.00 – 19.30 ITS Case Study Poster Review - Library Bar**

**19.30 – 20.30 ITS Case Study Oral Presentations - Penthouse Suite**

**19.30 – 1. A Potential Complication Post Eosaphago-gastroectomy**

P. Ridge, A O’Regan

Respiratory Department, Galway University Hospital, Galway, Ireland

**19.40 – 2. Unusual Cause of Hydropneumothorax**

CD Campbell, L Khorsheed, D Breen

Interventional Respiratory Unit, Galway University Hospital, Galway, Ireland

**19.50 – 3. A District General Hospital’s Encounter with an Orphan Interstitial Lung Disease**

McCarron EP, Sreenivasan S, Wieboldt J, McManus T & Monaghan M

Department of Medicine, South West Acute Hospital, Western Health and Social Care Trust, Enniskillen, UK

**20.00 – 4. A Radiological Zebra**

Quigley, DJ, Kerr, PJ & Kennedy, B

St James’s Hospital, Dublin 8

**20.10 – 5. A Rare Cause of Endobronchial ‘Tumour’**

Cullivan S1, Deasy K1, Neville G2, McCarthy J2, Burke L2, Murphy DM1, Kennedy MP1.

1. Department of Respiratory Medicine, Cork University Hospital, Ireland.

2. Department of Pathology, Cork University Hospital, Ireland.

**20.20 – 6. Unilateral Pulmonary Hyperlucency**

D Harbinson, P McKeagney

Regional Respiratory Centre, Belfast City Hospital, Belfast BT9 7AB, N Ireland

**20.30 – late Case Study Forum Prize Giving and Dinner**

**Friday 23rd November 2018**

***07.30 – 08.00 Registration, tea and coffee***

**08.00 – 09.30** Poster Review

**09.30 - 11.00** Parallel Poster Discussions

**1. COPD I**

**Chairs** P. McKeagney, Belfast City Hospital, Belfast

A. O’Brien, University Hospital Limerick, Limerick

**2. Sleep, Ventilation and Oxygen**

**Chairs** A. Atalla, Belfast City Hospital, Belfast

J. Leggett, Belfast City Hospital, Belfast

**3. Cystic Fibrosis and Lung Transplant**

**Chairs**  M. O’Mahony, Galway University Hospital, Galway

J. Rendall, Belfast City Hospital, Belfast

**4. Interstitial Lung Disease and Lung Cancer**

**Chairs** P. Minnis, Antrim Area Hospital, Antrim

R. Morgan, Beaumont Hospital, Dublin

***11.00 – 11.30 Tea and Coffee / Exhibition viewing***

**11.30 – 13.00 Oral Presentations I**

**Chairs L. McGarvey, Queens University Belfast**

**S. Donnelly, Tallaght University Hospital and Trinity College Dublin**

**11.30 – 5.1 Effectiveness of Reslizumab in Severe Asthma treatment; a real-world experience.**

H. Ibrahim, R. O’Sullivan, D. Casey, J. Murphy, B. J. Plant, D. M. Murphy

The Department of Respiratory Medicine, Cork University Hospital, Wilton, Cork**.**

**11.40 – 5.2 Real world outcomes with Mepolizumab in steroid-dependent severe eosinophilic asthma**

BD Kent, J Kavanagh, L Green, M Fernandes, C Roxas, G d’Ancona, DJ Jackson

Guy’s Severe Asthma Centre, Guy’s & St Thomas’ Hospitals, London

**11.50 – 5.3 Healthy primary epithelial cells show an elevated inflammatory response to bacterial stimulus compared to COPD cells**

S Carson1, JA Reihill1, CR Fulton2, LP McGarvey2, FT Lundy2, A Crilly3, KD Thornbury4, SL Martin1

1. School of Pharmacy, Queen’s University Belfast, Northern Ireland.
2. Centre for Experimental Medicine, Wellcome-Wolfson Institute for Experimental Medicine, School of Medicine, Dentistry and Biomedical Sciences, Queen's University Belfast, Northern Ireland.
3. Institute of Biomedical and Environmental Health Research, Health and Life Science, University of the West of Scotland, Paisley, PA1 2BE, Scotland.
4. Smooth Muscle Research Centre, Dundalk Institute of Technology, Dundalk, Ireland

**12.00 – 5.4 The COPD-2-HOME Score Reliably Estimates 90-day Re-Exacerbation Risk following Hospitalisation with an Acute Exacerbation of COPD (AECOPD)**

B Cushen1, G Greene1, L Tompkins1, F Boland1, E Kelly2, JA Fernandez-Villar3, W van Geffen4,

E Machale1, RW Costello1

1Royal College of Surgeons in Ireland, Dublin, Ireland

2St. Vincent’s Hospital, Dublin, Ireland

3Pulmonary Department, Alvaro Cunqueiro Hospital, Vigo, Spain

4Department of Respiratory Medicine, Medical Centre Leeuwarden, Leeuwarden, the Netherlands

**12.10 – 5.5 The secretory profile of inflammatory mediators is altered in differentiated primary COPD samples at air liquid interface compared to healthy equivalents.**

GA Kelly1, JA Reihill1, LP McGarvey2, FT Lundy2, G Litherland3, SL Martin1

1. School of Pharmacy, Queen’s University Belfast, Northern Ireland.
2. Centre for Experimental Medicine, Wellcome-Wolfson Institute for Experimental Medicine, School of Medicine, Dentistry and Biomedical Sciences, Queen's University Belfast, Northern Ireland.
3. Institute of Biomedical and Environmental Health Research, Health and Life Science, University of the West of Scotland, Paisley, PA1 2BE, Scotland.

**12.20 – 5.6 PROTEINASE ACTIVATED RECEPTOR-2 AND AUTOPHAGY REGULATION IN AIRWAY EPITHELIA CELLS**

Kirsty McCallum1, Mariarca Bailo1, Lynette Dunning1, Marija Stankovic1, Lorcan McGarvey2, Mark Hollywood3, Carl S. Goodyear 4, Anne Crilly1, John C. Lockhart1, Gary J. Litherland1.

1: Institute of Biomedical and Environmental Health Research, Health and Life Science, University of the West of Scotland, Paisley, PA1 2BE, Scotland.

2: School of Pharmacy, Queen’s University, Belfast, Northern Ireland.

3: Smooth Muscle Research Centre, Dundalk Institute of Technology, Ireland.

4: Institute of Infection, Immunity and Inflammation, University of Glasgow, Glasgow, Scotland.

**12.30 – 5.7 Modelling Alpha-1 Antitrypsin Deficiency Lung Disease Using Gene-Edited iPSC-Derived Alveolar Epithelial Cells**

Oglesby, I.K.1, Jacob A2, Kaserman J.E. 2, Thomas, D.C. 2, Hawkins, F2, Wilson, A2, Kotton, D.N.2, Hurley, K1

1 Dept. of Respiratory Medicine, ERC, RCSI, Dublin.

2 Center for Regenerative Medicine, Boston University and Boston Medical Center, Massachusetts, USA.

**12.40 – 5.8 Ventilator-induced lung injury is induced by a lung-derived soluble mediator in an ex-vivo lung perfusion model**

AJ Boyle, JJ McNamee, DF McAuley, CM O’Kane

Centre for Experimental Medicine, Queen’s University Belfast, Northern Ireland

**12.50 – 5.9 Impact of Global Lung Initiative (GLI) Reference Values on Spirometry Data acquired in a sample from an Irish Hospital population.**

McGowan, A1. Doughty, C2. McEvoy, K1. Cox, S1. Fennell, K1. O’Brien, A1. Doran, J2. Cormican, L1.

1. Respiratory & Sleep Department, Connolly Hospital, Dublin 15
2. Dublin Institute of Technology, Dublin 8.

***13.00 – 14.00 Lunch***

**14.00 – 14.50 Oral Presentations II**

**Chairs D. McAuley, Royal Victoria Hospital and Queens University Belfast**

**M. Kennedy, Cork University Hospital, Cork**

**14.00 –** **6.1** **A Comparison of CPAP Compliance in Treatment of Obstructive Sleep Apnoea in a Trisomy 21 and NonTrisomy 21 Patient Population.**

Iatan MF1, Farrell L1, Cox D1,2

1Respiratory department, Our Lady’s Children’s Hospital, Crumlin, Dublin

2School of Medicine, University College Dublin (UCD), Dublin

**14.10 – 6.2 Treatment of OSA with Positional Therapy**

H. Dias, D. Freire, M. Nagle, Dr Azhar Jahangir, Dr Alan Mulgrew.

Respiratory Department, Bon Secours Hospital, Tralee, Co. Kerry

**14.20 – 6.3** **Vorinostat as a host-directed therapy for Tuberculosis; manipulating epigenetics to boost human alveolar macrophage function and promote polyfunctional T cell responses**.

SA Basdeo, DJ Cox, AM Coleman, K Gogan and J Keane

Trinity Translational Medicine Institute, Trinity College, the University of Dublin, Ireland.

**14.30 – 6.4 Investigating the antimicrobial efficacy of MSCs as a potential novel therapy for *Mycobacterium avium* pulmonary infection**

Timothy Shaw, Gunnar Schroeder, Anna Krasnodembskaya and Cecilia O’Kane

Centre for Experimental Medicine, Queen’s University Belfast, Belfast

**14.40 – 6.5 Surface-enhanced Raman spectroscopy (SERS) for rapid detection of bacteria causing lung infection in people with Cystic Fibrosis (CF)**

D. Allen1,2, J. Kelly2, D. Gilpin1, S. Bell2, M. Tunney1

1School of Pharmacy, Queen’s University Belfast, 2School of Chemistry, Queen’s University Belfast

2 University College Dublin, Belfield, Donnybrook, Dublin 4

**14.50 – 15.30 Irish Thoracic Society Guest Lecture I**

**Chairs N. McGonigle, Royal Victoria Hospital, Belfast**

**N. Magee, Belfast City Hospital, Belfast**

**Care Pathways in Mesothelioma – Applying the 2018 BTS Guidelines**

Dr Ian Woolhouse, Consultant Respiratory Physician, Associate Medical Director (Governance), University Hospitals Birmingham NHS Foundation Trust, Queen Elizabeth Hospital Birmingham

***15.30 – 16.00 Tea and Coffee / Exhibition viewing***

**16.00 – 16.45 Oral Presentations II (continued)**

**Chairs D. McAuley, Royal Victoria Hospital and Queens University Belfast**

**M. Kennedy, Cork University Hospital, Cork**

**16.00 – 6.6 A Specialised Processing Method Enables Correlation of Sputum Inflammatory Biomarkers with Bronchoalveolar Lavage Fluid and Clinical Outcomes in Cystic Fibrosis**

McElvaney OJ, McQuillan K, Gunaratnam C, Reeves EP, McElvaney NG

Irish Centre for Genetic Lung Disease, Royal College of Surgeons in Ireland, Beaumont Hospital, Dublin, Ireland.

**16.10 – 6.7 Steroids in sarcoidosis – do they really work?**

D Dorrian(1), P Minnis(1), SC Donnelly(2)

(1)Interstitial Lung Disease Service: Respiratory Medicine, Antrim Area Hospital, Bush Road, BT41 2RL

(2)Department of Medicine, Trinity Centre for Health Sciences, Tallaght Hospital, Tallaght, Dublin, Ireland

**16.20 – 6.8 Fibrocyte-derived exosomes facilitate Epithelial to Mesenchymal Transition in the Pathogenesis of Idiopathic Pulmonary Fibrosis**

SG Chong1,2,P Nadarajan1,2, A Fabre2,3, MP Keane1,2

1Department of Respiratory Medicine, St. Vincent’s University Hospital, Dublin 4.

2 School of Medicine and Conway Institute of Biomolecular and Biomedical Research, University College Dublin.

3Department of Pathology, St. Vincent’s University Hospital, Dublin 4.

**16.30 – 6.9 Perfenidone and Nintedanib tolerability in a Dublin hospital: Real life data**

M O’Callaghan1,2, L Brown1, SG Chung1,2, P Nadarajan1,2, M Keane1,2

1Respiratory Medicine Department, St Vincent’s University Hospital, Dublin 4

2University College Dublin, Belfield, Dublin 4

**16.45 – 17.30 Irish Thoracic Society Guest Lecture II**

*Kindly supported by Boehringer Ingelheim through an unrestricted educational grant*

**Chairs J. Lindsay, Belfast City Hospital, Belfast**

**K. O’Reilly, Mater Misericordiae University Hospital, Dublin**

**Demystifying Challenges in the Management of Idiopathic Pulmonary Fibrosis (IPF)**

Professor Martin Kolb, MD PhD, Director, Division of Respirology, Moran Campbell Professor & Chair In Respiratory Medicine, Departments of Medicine and Pathology/Molecular Medicine, McMaster University, Ontario, Canada

***19.30 – late Drinks Reception and Gala Dinner***

**Friday 23rd November 2018 – Parallel Forums/Business Meetings**

**08.45 – 16.00** **Irish Thoracic Society Paediatric Forum**

**11.00 – 13.00** Forum of ANÁIL – Association of Irish Nurses in Respiratory Care

*Kindly supported by Air Liquide Healthcare through an unrestricted educational grant*

**11.00 – 13.00** Forum of Chartered Physiotherapists in Respiratory Care

**13.00 – 15.00** Forum of IICMS – Faculty of Respiratory

**14.00 – 16.00** COPD Outreach Meeting

**14.00 – 16.00** Meeting of Respiratory Nurses with an interest in ILD

*Kindly supported by Boehringer Ingelheim through an unrestricted educational grant*

**17.30 – 18.30** Irish Thoracic Society AGM

**Saturday 24th November 2018**

***08.00– 08.30 Registration, tea and coffee***

**08.30 – 09.45** Poster Review

**09.45 – 11.00** Parallel Poster Discussions

**8. COPD II**

**Chairs** T. McDonnell, St Vincent’s University Hospital, Dublin

R. Convery, Craigavon Area Hospital, Craigavon

**9. Asthma**

**Chairs** D. McNicholl, Craigavon Area Hospital, Craigavon

D. Murphy, Cork University Hospital, Cork

**10. Pulmonary rehabilitation and Integrated care**

**Chairs**  E. Moloney, Tallaght University Hospital, Dublin

J. Lindsay, Belfast City Hospital, Belfast

**11. Critical Care and Pulmonary Vascular Disease**

**Chairs** C. O’Kane, Queens University Belfast

B. McCullagh, Mater Misericordiae University Hospital, Dublin

**12. Tuberculosis and Respiratory Infections**

**Chairs** J. Moore, Belfast City Hospital and Queens University Belfast

J. Keane, St James’s Hospital and Trinity College Dublin

***11.00 – 11.30 Tea and Coffee / Exhibition viewing***

**11.30 – 12.15 Irish Thoracic Society Guest Lecture III**

Update from the National Lung Transplantation Programme

*Kindly supported by Vertex Healthcare through an unrestricted educational grant*

**Chairs R. Convery, Craigavon Area Hospital, Craigavon**

**J. Rendall, Belfast City Hospital, Belfast**

**11.30 – 12.00 The Greatness Within**

Mr David Crosby, Double Lung Transplant Recipient and Marathon Participant

**12.00 – 12.15 Lung Transplantation: Beyond the Ordinary**

Professor Karen Redmond, Thoracic and Lung Transplant Surgeon,Mater Misericordiae University Hospital, Dublin

**12.15 – 13.00 Irish Thoracic Society Guest Lecture IV**

*Kindly supported by Astra Zeneca and GSK through an unrestricted educational grant*

**Chairs R. Costello, RCSI, Beaumont Hospital, Dublin**

**C. Butler, Belfast City Hospital, Belfast**

**New Developments in Asthma Management**

Professor Liam G Heaney, Professor of Respiratory Medicine, Centre for Experimental Medicine, School of Medicine, Dentistry and Biomedical Sciences, Queens University Belfast

**13.00 – 13.15 Prize giving and close**

***13.15 Lunch***