Friday 10th November

07.30 – 08.00  Registration, tea and coffee – Shannon Suite

08.00 – 11.00  Poster Review and Parallel Discussions

08.00 – 09.30  Poster Review – Shannon Suite II and III

09.30 - 11.00  Parallel Poster Discussions

1. COPD I – Shannon Suite II and III
   Chairs
   E. Moloney, Tallaght Hospital Dublin
   M. Kelly, Altnagelvin Area Hospital, Derry

2. Basic Science – Henihan Suite
   Chairs
   M. Keane, St. Vincent’s University Hospital, Dublin
   K. O’Reilly, Mater Misericordiae University Hospital

   Chairs
   L. Cormican, Connolly Hospital, Dublin
   D. Curran, Mercy University Hospital, Cork

4. TB and Sleep – Wogan Suite
   Chairs
   K. Finan, Sligo University Hospital, Sligo
   P. Branagan, Beaumont Hospital Dublin

5. Lung Cancer – Harris Suite
   Chairs
   R. Morgan, Beaumont Hospital Dublin
   M. Rogan, University Hospital Waterford

11.00 – 11.30  Tea and Coffee / Exhibition viewing - Shannon Suite

   Chairs
   E. McKone, St Vincent’s University Hospital, Dublin
   D. Murphy, Cork University Hospital, Cork

11.30  6.1. An Evaluation of the Effectiveness of the Joint Asthma and COPD Adviceline in Achieving the Proposed Service Objectives and Patient Outcomes
   S. Keane, P. Kavanagh, A. Sheridan, A. Power, A. Jennings
   Health Service Executive (HSE) Primary Care Division, HSE Health and Wellbeing Division, Asthma Society of Ireland (ASI)

11.40  6.2. Detecting the presence of Aspergillus in the asthmatic airway and its relationship to disease severity
11.50 6.3. A study to assess airway remodelling and the utility of low dose CT scoring to evaluate the asthmatic airway.
Hunt EB1,2,3, James K4, Ward C5, Power S4, Sullivan A1, Eustace JA3, O’Byrne P6, Plant BJ2,3, Maher M5,4, MacSharry J1*, Murphy DM2,3*.
1Schools of Medicine and Microbiology, APC Microbiome Institute, University College Cork, Ireland
2The Department of Respiratory Medicine, Cork University Hospital, Cork, Ireland
3Schools of Medicine and Microbiology, UCC, Cork, Ireland
4Institute of Cellular Medicine, Newcastle University, Newcastle upon Tyne, UK
5HRB funded CRF UCC, Cork, Ireland
6The Michael G DeGroote School of Medicine, McMaster University, Hamilton, Ontario, Canada
* = Joint Senior Authors

12.00 6.4. Predicting Peak Flow: Time series modelling of PEFR and dependence on inhaler adherence
Brennan I1, Greene G1, Cushen B1, MacHale E1, Costello RW1,2
1Clinical Research Centre, Smurfit Building Beaumont Hospital, RCSI, Dublin, Ireland.
2Department of Medicine, RCSI, Dublin, Ireland.

12.10 6.5. Macrophage Migration Inhibitory Factor enhances Pseudomonas aeruginosa biofilms, a potential novel therapeutic for Cystic Fibrosis Patients.
A. O’Neill 1, A. Tynan 1, L. Mawhinney 1, S. Kennedy 2, E. Carahe 2, F. E. Poynton 1, M. Doroudian 1, A. N. McElroy 1, A. Fabre 3, E. F. McKone 3, M. E. Armstrong 1, G. Cooke 2, S. C. Donnelly 1,4.
1Department of Clinical Medicine, School of Medicine, Trinity Biomedical Sciences Institute, Trinity College Dublin, Ireland.
2Dept. of Science and the Centre for Microbial Host Interactions, Institute of Technology Tallaght, Old Blessington Road, Dublin 24, Ireland.
3St. Vincent’s University Hospital and School of Medicine, University College Dublin, Dublin 4, Ireland; UCD Conway Institute of Biomolecular and Biomedical Research, University College Dublin, Dublin 4, Ireland.
4Department of Clinical Medicine, Trinity Centre for Health Sciences, Tallaght Hospital, Ireland

12.20 6.6. Viral Respiratory Tract Infections in Patients with Cystic Fibrosis
Carter SC1,2, Keogan B3, Coughlan S3, De Gascun C3, Gallagher CG1,2, McKone EF1,2
1National Referral Centre for Adult Cystic Fibrosis, St. Vincent’s University Hospital, Dublin 4
2University College Dublin, Belfield, Dublin 4
3National Virus Reference Laboratory, University College Dublin, Dublin 4
12.30 6.7. Identifying Inflammatory Myopathies to optimise Interstitial lung disease treatment strategies
O’Mahony AM1, Riddell P1, Murphy G2, Ryan JG2, Harney S2, Tormey V3, Henry MT1
1Department of Respiratory medicine, Cork University Hospital, Cork, Ireland
2Department of Rheumatology, Cork University Hospital, Cork, Ireland
3Department of Immunology, University Hospital Galway, Galway, Ireland

12.40 6.8. Characterisation of the effect of interleukin-17A (IL-17A) on Toll-like receptor 3 (TLR3) function in Idiopathic Pulmonary Fibrosis (IPF): a candidate novel mechanism for disease progression.
Lucy Bergin1, A.N. McElroy1, G. Cooke2, L. Mawhinney3, A. Tynan1, M. Doroudian1, A. O’Neill1, F. Poynton1, C.M. Hogaboam3, N. Hirani4, M.E. Armstrong1* and S.C. Donnelly1,5*.
1School of Medicine, Trinity Biomedical Sciences Institute, Trinity College, Dublin 2, Ireland; 2Department of Applied Science, Institute of Technology Tallaght, Dublin 24, Ireland; 3Department of Pathology, University of Michigan Medical School, Ann Arbor, MI, USA; 4MRC Centre for Inflammation Research, Queen's Medical Research Institute, University of Edinburgh, Edinburgh, UK; 5Department of Clinical Medicine, Trinity Centre for Health Sciences, Tallaght Hospital, Tallaght, Dublin 24, Ireland.

12.50 Update from the Irish Thoracic Society Interstitial Lung Disease Registry
Professor Anthony O’Regan, Galway University Hospital, Chair of the ITS ILD Registry Steering Committee

13.00 – 14.00 Lunch - River Restaurant

14.00 – 15.30 7. Oral Presentations II – Shannon Suite II and III
Chairs
B. Rutherford, Galway University Hospital, Galway
M. Sheehy, Midland Regional Hospital, Mullingar

14.00 7.1. To evaluate the role of bronchoscopic lung cryobiopsy in the multidisciplinary diagnosis of fibrotic hypersensitivity pneumonitis.
Cullivan S1, O’Mahony A1, McCarthy J2, Burke L2, Henry M T1.
1. Department of Respiratory Medicine, Cork University Hospital.
2. Department of Pathology, Cork University Hospital.

14.10 7.2. Aerosolized nanodrug delivery system to inhibit Macrophage migration inhibitory factor in order to treat lung cancer
1Department of Clinical Medicine, School of Medicine, Trinity Biomedical Sciences Institute, Trinity College Dublin, Ireland. 2Centre for Research on Adaptive Nanostructures and Nanodevices, Trinity College Dublin, Ireland. 3Aerogen, Galway Business Park, Dangan, Galway, Ireland. 4Department of Clinical Medicine, Trinity Centre for Health Sciences, Tallaght Hospital, Ireland

14.20 7.3 Epidermal growth factor receptor (EGFR) mutated adenocarcinoma serum exosomes induce epithelial mesenchymal transition
P Nadarajan\textsuperscript{1, 2}, SG Chong\textsuperscript{1, 2}, R Kane\textsuperscript{2}, G Cooke\textsuperscript{2}, A Fabre\textsuperscript{2, 3}, MP Keane\textsuperscript{1, 2}
\textsuperscript{1}Department of Respiratory Medicine, St. Vincent’s University Hospital, Dublin
\textsuperscript{2}University College Dublin, Ireland
\textsuperscript{3}Department of Histopathology, St. Vincent’s University Hospital, Dublin

14.30
7.4. Expiratory flow limitation detected using neuromuscular electrical stimulation of abdominal-wall muscles.

14.40
7.5 Ireland’s First Thoracic Robotic-assisted Surgery (RaS) Programme: Experience and Early Outcomes at the Blackrock Clinic
D. Mooney, V. Young, D. Eaton, K. Redmond
Department of Thoracic Surgery, Blackrock Clinic, Dublin, Ireland

14.50
7.6 Increased sialic acid residues on alpha-one antitrypsin aids with resolution of inflammation
Dunlea DM\textsuperscript{1}, McElvaney OJ\textsuperscript{1}, Lacey N\textsuperscript{1}, White MM\textsuperscript{1}, Marsh B\textsuperscript{1}, McCarthy C\textsuperscript{1}, Reeves EP\textsuperscript{1} and McElvaney NG\textsuperscript{1}.
1. Irish Centre for Genetic Lung Disease, Department of Medicine, RCSI, Beaumont, Dublin 9.
2. Department of Critical Care Medicine, Mater Misericordiae University Hospital, Eccles Street, Dublin 1.

15.00
7.7. Molecular Epidemiology of Multi- and Extensively-Drug-Resistant \textit{Mycobacterium tuberculosis} in Ireland, 2001-2014
E Roycroft\textsuperscript{1, 2}, RF O’Toole\textsuperscript{2, 3}, MM Fitzgibbon\textsuperscript{1, 2}, L Montgomery\textsuperscript{1}, M O’Meara\textsuperscript{4}, P Downes\textsuperscript{4}, S Jackson\textsuperscript{5}, J O’Donnell\textsuperscript{5}, IF Laurenson\textsuperscript{6}, AM McLaughlin\textsuperscript{7}, J Keane\textsuperscript{7}, TR Rogers\textsuperscript{1, 2}
1. Irish Mycobacteria Reference Laboratory, Labmed Directorate, St. James’s Hospital, Dublin, Ireland
2. Department of Clinical Microbiology, Trinity Translational Medicine Institute, Trinity College, Dublin, Ireland
3. School of Medicine, Faculty of Health, University of Tasmania, Hobart, Australia
4. Department of Public Health, Dr. Steeven’s Hospital, Dublin, Ireland
5. Health Protection Surveillance Centre, Dublin, Ireland
6. Scottish Mycobacteria Reference Laboratory, Edinburgh, UK
7. Department of Respiratory Medicine, St. James’s Hospital and Trinity Translational Medicine Institute Trinity College Dublin, Ireland

15.10
7.8. Potential Autocrine Gremlin Signaling in Pulmonary Epithelial Cells
Devlin, S., Pickering, M., Rochfort, K., McLoughlin, P.
School of Medicine & Medical Science, Conway Institute of Biomolecular & Biomedical Research, UCD, Belfield, Dublin 4.

15.20
7.9 The effect of reduced levels of circulating alpha-1 antitrypsin (AAT) on immune cells in alpha-1 antitrypsin deficient patients
Lacey N, McElvaney OJ, White MM, Lee MQ, Hoo MCS, McElvaney NG, Reeves EP.
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<tr>
<th>Time</th>
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<tr>
<td>15.30 – 16.00</td>
<td>Tea and Coffee / Exhibition viewing – Shannon Suite</td>
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<tr>
<td>16.00 – 17.30</td>
<td>Irish Thoracic Society Guest Lectures – Shannon Suite II and III</td>
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<tr>
<td>Chairs</td>
<td>E. Mulloy, St. John’s Hospital, Limerick</td>
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<td>B Casserly, University Hospital Limerick</td>
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<td>16.00 – 16.45</td>
<td>Laboratory Diagnosis of Respiratory Infections: the Ever Evolving Challenges</td>
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<td>Dr Tanya Curran, Clinical Scientist &amp; Honorary Lecturer QUB, Royal Victoria Hospital Belfast</td>
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<td>16.45 – 17.30</td>
<td>An Historical Perspective of Understanding Diaphragm Performance: Clinical Implications</td>
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<td>Prof F. Dennis McCool, Chief of Medicine, Memorial Hospital of Rhode Island. Professor of Medicine, Alpert Medical School of Brown University. Editor-in-Chief, Lung</td>
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<td>19.30 – late</td>
<td>Drinks Reception and Gala Dinner</td>
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**Friday 10th November - Parallel Business Meetings/Forums**

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<th>Time</th>
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<tr>
<td>11.30 – 13.00</td>
<td>Forum of ANAIL – Association of Irish Nurses in Respiratory Care – Harris Suite</td>
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<td>13.00 – 15.00</td>
<td>Forum of IICMS – Faculty of Respiratory – Henihan Suite</td>
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<td>11.00 – 13.00</td>
<td>Forum of Chartered Physiotherapists in Respiratory Care – O’Brien Suite</td>
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<td>14.00 – 16.00</td>
<td>COPD Outreach Meeting – O’Brien Suite</td>
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<td>17.30 – 18.30</td>
<td>Irish Thoracic Society AGM – Harris Suite</td>
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<td>09.30 – 16.00</td>
<td>8. Irish Thoracic Society Paediatric Forum – Library Suite</td>
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<td>09.00 – 09.30</td>
<td>Poster Viewing - Shannon Suite (Abstracts 8.10 – 8.12)</td>
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<td>09.30 – 10.30</td>
<td>Research Session I</td>
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<td>Moderators</td>
<td>Dr Muireann Ní Chroinin, Cork University Hospital</td>
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<td>Dr Ruth O’Reilly, Our Lady’s Children’s Hospital, Crumlin</td>
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<tr>
<td>09.30</td>
<td>8.1 Respiratory Health in Irish Children with Down Syndrome</td>
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<td>Diskin, C., Clarke, P., Cox, D.</td>
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<td>Department of Respiratory Medicine, Our Lady’s Children’s Hospital, Crumlin, Dublin 12. Down Syndrome Ireland, Sandyford, Dublin.</td>
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<td>09.40</td>
<td>8.2 An evaluation of the effectiveness of use of audio-visual media in promoting vaccine uptake.</td>
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09.50  8.3 Infection and Inflammation among children in the Study of Host Immunity and Early Lung Disease in Cystic Fibrosis: 2017
Butler D\textsuperscript{1}, Lennon J\textsuperscript{2}, Cox D\textsuperscript{1,2}, Grealley P\textsuperscript{3}, Linnane \textsuperscript{b2,4,5}, McNally P\textsuperscript{1,2,6}
\textsuperscript{1}Cystic Fibrosis Centre, Our Lady's Children's Hospital Crumlin, Dublin 12, \textsuperscript{2}National Children's Research Centre, Our Lady's Children's Hospital Crumlin, Dublin 12, \textsuperscript{3}Cystic Fibrosis Centre, Tallaght Hospital, Dublin 24, \textsuperscript{4}Cystic Fibrosis Centre, Department of Paediatrics, University Hospital Limerick, \textsuperscript{5}Department of Paediatrics, University of Limerick, \textsuperscript{6}Department of Paediatrics, Royal College of Surgeons in Ireland, Our Lady's Children's Hospital, Dublin 12

10.00  8.4 The prevalence of Pseudomonas Aeruginosa infection over a ten year period in children with Cystic Fibrosis attending Our Lady's Children Hospital, Crumlin
K Al Shidhani, R O'Reilly, S Javadpour, N O'Sullivan, P McNally, D Cox
\textsuperscript{1}National Children Research Centre, \textsuperscript{2}Respiratory department, Our Lady's Children Hospital, Crumlin, Dublin, Ireland, \textsuperscript{3}Microbiology department, Our Lady's Children Hospital, Crumlin, Dublin, Ireland
\textsuperscript{4}Royal College of surgeons of Ireland

10.10  Titration of NIV therapy in children – simple or complex?
Prof Paul McNally, Our Lady’s Children's Hospital, Crumlin

10.30 – 10.45  Tea and coffee

10.45  CF Research Network
Moderator
Dr Barry Linnane, University Hospital Limerick

10.45  CF:INK Network Update
Dr Jenny Lennon, CF research co-ordinator, CF:INK and Our Lady’s Children’s Hospital, Crumlin

11.00  CF:INK Future Plans
Prof Paul McNally, Our Lady’s Children’s Hospital Crumlin

11.15  Research Networks: To grow and sustain
Speaker to be confirmed

12.00  MBW from research to clinic
Speaker to be confirmed

12.45 – 13.30  Lunch

13.30 – 14.45  Research Session II
13.30 8.5 Aerosol delivery in infants using the blow-by method.  
C. O’Toole¹, J. McGrath¹, M. Byrne¹, G. Bennett², M. Joyce², R.J. MacLoughlin²  
¹ Dept. of Physics, NUI Galway, Galway, Ireland, ² Aerogen, IDA Business Park, Dangan, Galway, Ireland

13.40 8.6 In Vitro Comparison of Face Mask versus Hood Delivery in Adult and Paediatric Asthma  
N. Lynch¹, R. Bradley¹, L. Sweeney², M. Joyce², S. Ní Mhurchú², I. McDonnacha², R.J. MacLoughlin², B.D. Higgins¹.  
¹Physiology, National University of Ireland Galway, ²Aerogen Ltd., Dangan, Galway.

13.50 8.7 Cystic Fibrosis Urinary Biomarker Study (CUBS) Interim analysis  
KAL Shidhani¹,², D Cox¹,², B Linnane³, G Parekh⁵, J O’Rourke¹, R Reilly¹, P McNally¹,²,⁴  
¹ National Children Research Centre; ² Paediatrics Cystic Fibrosis centre, Our Lady’s Hospital for sick children, Dublin, Ireland; ³ Paediatrics Cystic Fibrosis centre, University Hospital Limerick, Limerick, Ireland; ⁴ Royal College of Surgeons of Ireland; ⁵ Mologic Laboratories, Bedford, UK

14.00 8.8 Orkambi: The Cork Paediatric Experience Cork University Hospital  
M Flanagan, D Donovan, C Murphy, E Keating, R Jennings, P Shanahan, J Crowley, K Cronin, D Mullane, M Ní Chroínín, Cork University Hospital.

14.10 8.9 Radiological Findings of Pulmonary Aspiration in Children – Interim analysis  
I Gorman, C Cunningham, S Monaghan S, P McNally, Royal College of Surgeons, Our Lady’s Children’s Hospital Crumlin (OLCHC), Dublin 12

14.20 Congenital Thoracic Masses – Common Sense Management  
Mr. Jonathan McGuinness, Cardiothoracic Surgeon, Our Lady’s Children’s Hospital, Crumlin, Dublin

14.45 – 15.00 Tea and coffee

15.00 – 16.00 Clinical Reviews  
Moderator Dr Mike Williamson, Children’s University Hospital, Temple Street.

15.00 Suspected PCD clinical cases  
Prof Paul McNally, Our Lady’s Children’s Hospital, Crumlin

15.20 ‘Has my patient got Primary Ciliary Dyskinesia?’  
Professor Jane Lucas, Primary Ciliary Dyskinesia Centre, NIHR Biomedical Research Centre, University of Southampton, UK

16.00 Prize-giving and close
Saturday 11th November

08.00 – 08.30 Registration, tea and coffee – Shannon Suite

08.30 – 11.00 Poster Review and Parallel Discussions

8.30 – 09.45 Poster Review – Shannon Suite II and III

09.45 – 11.00 Parallel Poster Discussions

9. Asthma – Shannon Suite II and III
Chairs M. Butler, St Vincent’s University Hospital
J. Rendall, Belfast City Hospital, Belfast

10. COPD II – Harris Suite
Chairs R. Fahy, St James’s Hospital, Dublin
T. O’Connor, Mercy University Hospital, Cork

11. General Respiratory II – Wogan Suite
Chairs S. Foley, University Hospital Waterford
D. O’Riordian, St James’s Hospital, Dublin

12. ILD & Cystic Fibrosis – Library Suite
Chairs E. McGrath, St Vincent’s University Hospital Dublin
C. Gunaratnam, Beaumont Hospital Dublin

13. Thoracic Surgery & Interventional Pulmonology – City View Suite
Chairs M. Kennedy, Cork University Hospital, Cork
V. Young, St James’s Hospital, Dublin

11.00 – 11.30 Tea and Coffee / Exhibition viewing – Shannon Suite

11.30 – 13.00 Irish Thoracic Society Guest Lectures
Chairs A. O’Brien, University Hospital Limerick
J. Hayes, Cavan Monaghan Hospital Group

11.30 – 12.15 Occupational Lung Disease: A Medley
Professor Paul Cullinan, Professor of Occupational and Environmental Respiratory Disease, Imperial College, (National Heart and Lung Institute) and Royal Brompton Hospital London

12.15 – 13.00 The UK National Optimal Lung Cancer Pathway – Pie in the sky or just what we need?
Professor David Baldwin, Consultant Physician, Nottingham University Hospitals, Honorary Professor of Medicine, University of Nottingham
13.00 – 13.15  Prize giving and close
13.15         Lunch – River Restaurant

Saturday 11th November - Parallel Forum

10.00 – 13.00  Primary Care Respiratory Society of Ireland (PCRSI) Meeting – O’Brien Suite

Chair:         N Flynn

10.30 – 11.00  Introduction to PCRSI, Chairman Dr Derek Forde

11.00 – 12.00  "No Steroids Downstairs", Dr Derek Forde

12.00 – 13.00  Asthma Update, Dr Dermot Nolan, Secretary, PCRSI Clinical Lead in Asthma

13.00         Lunch

*CPD Points Awarded*