WINTER MEETING 2017

Full Programme and Booking Form

WEDNESDAY 6TH TO FRIDAY 8TH DECEMBER
QUEEN ELIZABETH II CENTRE, LONDON

Early bird discount deadline: 9th October 2017

Please see our website: brit-thoracic.org.uk
WELCOME

Dear Colleagues

I am delighted to present to you our full programme of named lectures, major symposia, spoken sessions and poster discussions for the 2017 BTS Winter Scientific Meeting.

The Science and Research Committee has organised an outstanding line up of speakers for the Meeting, which I am sure will provide something of interest to all health professionals involved in the care of patients with respiratory disease, as well as to biomedical scientists working on lung disease. Our symposia programme contains some outstanding international speakers who, together with our own national experts, will inform delegates of the very latest advances in the clinical, translational and basic science of lung disease.

The Winter Scientific Meeting remains the highlight of our professional calendar and provides a tremendous networking opportunity and, in particular, the chance to interact with clinicians, allied health professionals and scientific colleagues from within the UK and abroad in the spoken and poster abstract sessions, which remain a vitally important component of the Meeting.

I look forward to welcoming you to London in early December 2017.

Yours faithfully

Professor Gisli Jenkins
Chair, BTS Science and Research Committee

BTS Science and Research Committee Members – the 2017 Winter Meeting Planning Committee:

- Professor Gisli Jenkins (Chair)
- Dr Ian Balfour-Lynn
- Professor Alison Condliffe
- Dr Benedict Creagh-Brown
- Professor Jane Davies
- Professor Louise Donnelly
- Dr Michael Gibbons
- Dr Neil Greening
- Professor Mark Griffiths
- Dr Nick Hopkinson
- Professor Nick Maskell
- Dr Jennifer Quint
- Professor Najib Rahman
- Dr Robert Rintoul
- Dr Elizabeth Sapey
- Dr Aran Singanayagam
- Dr Hannah Woodcock

Conference Organisation

The Winter Meeting is organised by the British Thoracic Society. For conference information, please see page 11. For general conference queries please email: bookings@brit-thoracic.org.uk

FINAL PROGRAMME

The final programme is published as a supplement to Thorax and will be sent to all subscribing BTS members in advance of the Winter Meeting. For ease of reference, it will also be available to all participants in advance on the BTS website: www.brit-thoracic.org.uk
FULL PROGRAMME
WEDNESDAY 6TH DECEMBER 2017

8.00am – 8.30am  BTS JOURNAL CLUB
LUNG CANCER
Dr Ian Woolhouse (Birmingham)

Learning objectives:
This Journal Club will introduce and summarise three to four key papers that have been published in the past 12 months on the subject of “Lung cancer”. Dr Ian Woolhouse (Associate Director of the National Lung Cancer Audit and Clinical Lead on the National Improving Lung Cancer Outcomes Project) will then lead a discussion on these papers, based on his internationally recognised experience in this field. The relevant references will be available on the BTS website at the beginning of November so that delegates may review the papers in advance.

8.15am - 9.15am  SYMPOSIUM
BTS/SIGN ASTHMA GUIDELINE UPDATE

8.30am – 10.00am  SYMPOSIUM
CYSTIC FIBROSIS: FROM EVIDENCE TO EFFECTIVENESS
Chaired by: Dr Maya Desai (Birmingham) and Dr Helen Rodgers (Edinburgh)
1) Newborn screening: lessons learnt
   Professor Kevin Southern (Liverpool)
2) Progress in CFTR modulator therapies
   Professor Christiane De Boeck (Leuven)
3) NICE Cystic Fibrosis Guidelines
   Professor Martin Walshaw (Liverpool)

Learning objectives:
1) To address key current issues for paediatricians and physicians treating patients with cystic fibrosis.
2) To review progress and problems arising from the newborn screening programme.
3) To provide an update on key clinical trials in CFTR modulator therapies.
4) To discuss the implementation of evidence from the new NICE CF guidelines.

8.30am – 10.30am  SYMPOSIUM
PULMONARY VASCULAR DISEASE UPDATE
Chaired by: Dr Colin Church (Glasgow) and Dr Laura Price (London)
1) Genetic counselling in pulmonary hypertension
   Professor Marc Humbert (Paris)
2) Pulmonary emboli and pulmonary hypertension
   Dr Joanna Pepke-Zaba (Cambridge)
3) Management of acute PE
   Dr Gregory Piazza (Boston)
4) The BTS Outpatient PE Guidelines
   Dr Luke Howard (London)

Learning objectives:
1) To update the audience on the latest understanding of genetic abnormalities and detection in pulmonary hypertension.
2) To understand the role of screening and treatment for pulmonary embolus in pulmonary hypertension.
3) To highlight the evidence for the acute treatment of pulmonary embolus.
4) To discuss the current guidelines and evidence on management of PE.

8.30am – 10.30am  JOINT BTS/BALR SYMPOSIUM
ALTERNATIVE APPROACHES TO MODELLING HUMAN LUNG DISEASE (part 1)
Chaired by: Professor Louise Donnelly (London) and Dr Chris Scotton (Exeter)
1) Use of Drosophila melanogaster to examine function of candidate genes in asthma
   Professor Donna Davies (Southampton)
2) Use of zebrafish to study respiratory inflammation
   Professor Maggie Dallman (London)
3) ‘Lung’ on a chip
   Dr Dan Huh (Pennsylvania)

Learning objectives:
1) Professors Dallman and Davies will introduce the audience to alternative models to mammalian animal testing and how this research promotes the 3Rs concept.
2) Both sessions will highlight the latest models used in drug discovery, including Dr Huh whose work on creating a “lung on a chip” has garnered significant international interest and press coverage.

8.45am – 10.05am  SPOKEN SESSION
COPD: doing what works

8.45am – 10.05am  SPOKEN SESSION
An update in pneumonia: from big data to cellular function

9.30am – 10.50am  SPOKEN SESSION
Lung cancer screening has arrived

9.30am – 11.50am  SPOKEN SESSION
Understanding and treating those irritating infections

10.30am - 11.50am  SPOKEN SESSION
TB: from screening to compliance
10.30am – 12.05pm  **SPOKEN SESSION**  
Pleural effusions: diagnosis and prognosis

10.30am – 12.30pm  **SYMPOSIUM**  
**TAKING THE ‘I’ OUT OF IPF**  
Chaired by: Dr Amanda Goodwin (Nottingham) and Dr Nik Hirani (Edinburgh)  
1) Telomere-mediated pulmonary fibrosis  
   Professor Paul Wolters (San Francisco)  
2) Stretching the lungs in IPF: is breathing bad?  
   Professor Martin Kolb (Hamilton)  
3) IPF: idiopathic or infective?  
   Dr Philip Molyneaux (London)  
4) Moving from magic bullet to disease signature: the future of molecular biomarkers in IPF  
   Dr William Fahy (GlaxoSmithKline)

**Learning objectives:**  
As we increasingly understand the underlying mechanisms, it is said that ‘idiopathic’ Pulmonary Fibrosis should be rebranded. This session will cover the latest research linking premature cellular ageing and lung stretch to the development of fibrosis. The role of the lung microbiome in the pathogenesis and progression of disease will also be explored. Finally, the progress that has been made in the identification of diagnostic and prognostic biomarkers for IPF, together with a vision for how the field needs to evolve to impact disease management, will be presented.

10.45am – 12.45pm  **SYMPOSIUM**  
**UPDATE IN ASTHMA TREATMENT**  
Chaired by: Dr Binita Kane (Manchester) and Professor Stephen Scott (Chester)  
1) Basic science of asthma  
   Professor Maria Belvisi (London)  
2) What can we do about allergens in the home? Early life exposures, immunotherapy and allergen avoidance  
   Professor Adnan Custovic (London)  
3) Personalised medicine (RASP-UK consortium)  
   Professor Liam Heaney (Belfast)  
4) The changing face of guidelines: the good, the bad and the ugly  
   Dr Robert Niven (Manchester)

**Learning objectives:**  
1) To understand how new discoveries in the mechanisms of asthma are shaping our understanding of the disease.  
2) How environmental factors may influence asthma in early life and what can be done about it.  
3) To understand how a stratified approach to asthma is changing our understanding and management of the condition.  
4) How changes to the new asthma guidelines have come about and where debate has arisen and how it should be addressed.

11.00am – 12.30pm  **KEYNOTE SYMPOSIUM**  
**SPOTLIGHT ON OUR SPECIALTY: OPPORTUNITIES AND THREATS TO DELIVERING BETTER LUNG HEALTH IN THE FUTURE**  
1) Welcome and introductions  
   Dr Justin Pepperell (Taunton)  
2) A review of ‘respiratory achievements’ in 2017 and making sense of the latest national NHS policy and service developments  
   Professor Mike Morgan (Leicester)  
3) What is ‘Getting It Right First Time’ (GIRFT) and what will it mean for professionals and patients?  
   Dr Martin Allen (Stoke-on-Trent)  
4) Our people are our greatest asset – but how can we future proof our workforce?  
   Dr Lisa Davies (Liverpool) and Dr Charlotte Addy (Belfast)

Keynote speakers will explore the opportunities and threats to the respiratory specialty, now and in the future. The session will provide insight on the latest national NHS policy and service developments, a spotlight on what the sector has achieved in 2017 and a look at current workforce issues and how we might overcome them.

11.00am – 1.00pm  **JOINT BTS/BALR SYMPOSIUM**  
**ALTERNATIVE APPROACHES TO MODELLING HUMAN LUNG DISEASE (part 2)**  
Chaired by: Dr Amanda Tatler (Nottingham) and Dr Andrew Thorley (London)  
1) Use of human lung organoids to study mechanisms of disease  
   Dr Jason Rock (San Francisco)  
2) Non-mammalian models of innate immunity in asthma  
   Professor Stephen Renshaw (Sheffield)  
3) Tissue engineering living models of asthmatic airways  
   Dr Felicity Rose (Nottingham)

**Learning objectives:**  
1) Drs Rock and Rose will highlight the molecular mechanisms and cell biology underlying lung development and repair.  
2) Professor Renshaw will discuss how innate immune mechanisms can be modelled in non-mammalian species.

12.45pm – 2.10pm  **POSTER DISCUSSION**  
Complications of TB and extra-pulmonary TB

1.00pm – 1.45pm  **THE MORAN CAMPBELL LECTURE**  
**XTREME EVEREST: LESSONS FROM LIFE AT THE LIMITS?**  
Professor Mike Grocott (Southampton)

1.15pm – 2.45pm  **POSTER DISCUSSION**  
Asthma: airways and antibodies
1.45pm – 3.15pm  **JOINT BTS/BPRS SYMPOSIUM**
**SLEEP MEDICINE AND NON-INVASIVE VENTILATION: ISSUES AFFECTING CHILDREN AND ADULTS**

Chaired by: Professor Anita Simonds (London) and Dr Don Urquhart (Edinburgh)

1) Neuromuscular disease: challenges related to transition
   Professor Anita Simonds (London)

2) Sleep-disordered breathing, inflammation and effects on the cardiovascular system in childhood
   Dr Athanasios Kadiits (Athens)

3) Ethics of NIV/tracheostomy in fatal disease
   Professor John Massie (Melbourne)

**Learning objectives:**
At the end of this symposium, attendees will have:

1) Gained a state-of-the-art understanding of the systemic effects of sleep-disordered breathing and the long-term consequences of untreated disease.

2) Been introduced to the importance of decision-making and communication in providing optimal care in challenging scenarios:
   - prolonging life in the absence of curative therapies
   - children growing into young adults with severe neuromuscular disease

2.00pm – 3.15pm  **SYMPOSIUM**
**BRONCHIECTASIS: WHAT TO EXPECT WHEN YOU ARE EXPECTORATING**

Chaired by: Professor Stuart Elborn (Belfast) and Professor Tom Wilkinson (Southampton)

1) Bronchiectasis and big data
   Dr Jennifer Quint (London)

2) Biomarkers and prognosis
   Professor James Chalmers (Dundee)

3) Do long term antibiotics work?
   Dr Charles Haworth (Cambridge)

4) PCD genetics
   Dr Hannah Mitchison (London)

**Learning objectives:**
In this session, participants will understand the epidemiology, characteristics and clinical presentation of patients presenting with bronchiectasis in the UK. They will learn how to evaluate patients with bronchiectasis in terms of the heterogeneity of the disease (aetiology, severity, radiology and microbiology) and use this information to predict prognosis. The session will discuss how clinical characteristics of patient and inflammatory endotypes may link to outcomes, review clinical trial data for long term antibiotic therapies and how these may be used in clinical practice. Finally, the role of PCD genetics in this field will be discussed.

2.00pm – 4.00pm  **POSTER DISCUSSION**
Clinical update in COPD

2.00pm – 3.20pm  **SPOKEN SESSION**
A troublesome cough: from diagnosis to treatment

2.00pm – 3.30pm  **PRIZE SYMPOSIUM**
**BTS/BALR/BLF EARLY CAREER INVESTIGATOR AWARDS**

Judged by: Professor Peter Bradding (Leicester), Professor James Chalmers (Dundee), Professor Louise Donnelly (London) and Professor Gisli Jenkins (Nottingham)

This symposium will showcase the very best original research submitted to the Winter Meeting by UK scientists and clinicians in the early part of their research career, as they compete for prestigious prizes from the BTS, BALR and BLF.

2.00pm – 3.30pm  **MODERATED POSTER DISCUSSION**
Innovation in service design

2.30pm – 4.00pm  **POSTER DISCUSSION**
Interventional procedures in respiratory disease

2.30pm – 4.05pm  **POSTER DISCUSSION**
Cellular insights into lung injury repair

2.30pm – 4.15pm  **POSTER DISCUSSION**
Respiratory medicine: common problems, new insights

3.00pm – 4.00pm  **POSTER DISCUSSION**
Pulmonary rehabilitation: walk this way

3.30pm – 5.00pm  **POSTER DISCUSSION**
Update in paediatric lung disease

4.15pm – 4.45pm  **BTS AWARD PRESENTATIONS**

4.45pm – 5.30pm  **BTS PRESIDENT’S ADDRESS**
"A little flutter with the lung"
Professor Mark Woodhead (Manchester)

5.30pm – 6.00pm  **BTS ANNUAL GENERAL MEETING**
BTS members only
BTS JOURNAL CLUB

**TUBERCULOSIS**
Dr Veronica White (London)

**Learning objectives:**
This Journal Club will introduce and summarise three to four key papers that have been published in the past 12 months on the subject of "Tuberculosis". Dr Veronica White (Clinical Lead for the TB service at Barts Health NHS Trust, which has one of the largest TB services in Western Europe) will then lead a discussion on these papers, based on her internationally recognised experience in this field. The relevant references will be available on the BTS website at the beginning of November so that delegates may review the papers in advance.

**SPOKEN SESSION**

**Hot topics in home-based mechanical ventilation**

**JOINT BTS/BPRS SYMPOSIUM**

**SIMILAR DISEASES? DIFFERENCES IN MANAGING ADULTS AND CHILDREN**
Chaired by: Dr Rebecca Thursfield (Liverpool) and Dr Lena Thia (Wales)

1) Interstitial lung disease
   Dr Elisabetta Renzoni (London)
2) Difficult asthma
   Professor Ruth Green (Leicester)
3) Bronchiectasis
   Dr Anthony De Soyza (Newcastle upon Tyne)

**Learning objectives:**
1) To explore differences (and similarities) in treating diseases that occur across all ages.
2) To provoke discussions so both paediatricians and adult specialists can learn from each other’s experiences.
3) To aid our understanding, which should promote better transition arrangements when children move to adult services.

**SPOKEN SESSION**

**New insights in bronchiectasis**

**JOINT BTS/BTOG SYMPOSIUM**

**MOLECULAR TARGETING OF LUNG CANCER – ARE WE BEGINNING TO WIN THE BATTLE?**
Chaired by: Professor David Baldwin (Nottingham) and Dr Malcolm Lawson (Chelmsford)

1) Linking lung cancer biology to novel therapeutics
   Professor Sam Janes (London)
2) Unlocking the evolutionary secrets of lung cancer – what can it teach us about treatment?
   Dr Mariam Jamal-Hanjani (London)
3) How and when to test for susceptibility to immunotherapy
   Professor John Gosney (Liverpool)
4) Immunotherapy for lung cancer – real hope or expensive hype?
   Professor Frances Shepherd (Toronto)

**Learning objectives:**
1) To understand how a better understanding of lung cancer biology can help in the development of novel therapeutics.
2) To understand which patients we should be testing for susceptibility to immunotherapy.
3) To discover whether immunotherapy really will make a difference in NSCLC.

**SYMPOSIUM**

**PULMONARY REHABILITATION – DOING MORE AND BETTER**
Chaired by: Dr Charlotte Bolton (Nottingham) and Professor Ioannis Vogiatzis (Newcastle upon Tyne)

1) Non-COPD rehabilitation (asthma and ILD)
   Dr Rachael Evans (Leicester)
2) Promoting physical activity
   Professor Michael Polkey (London)
3) Is home-based rehabilitation an option?
   Professor Anne Holland (Melbourne)

**Learning objectives:**
Pulmonary rehabilitation is one of the highest value interventions for COPD. How can it be delivered more effectively and efficiently and how well does it apply to non-COPD respiratory disease?
10.15am – 11.50am  **SPOKEN SESSION**
Paediatric asthma: big and real world data

10.45am – 12.30pm  **SYMPOSIUM**
**PLENARY SCIENTIFIC**
Chaired by: Professor Louise Donnelly (London) and Professor Gisli Jenkins (Nottingham)
1) Imaging and pulmonary hypertension: ready for prime time? Professor David Kiely (Sheffield)
2) The role of neutrophils in acute pulmonary inflammation Dr Charlotte Summers (Cambridge)
3) The opposing roles of leukotriene A4 hydrolase in regulating pulmonary inflammation Dr Robert Snelgrove (London)
4) High-risk COPD Dr John Hurst (London)

**Learning objectives:**
A highlight of the Winter Scientific Meeting programme, as four of the UK’s top respiratory researchers share highlights of their work and its relevance to patients.

12.45pm – 1.30pm  **THE MORRISTON DAVIES LECTURE**
Professor John Ioannidis (Stanford)

1.45pm – 3.05pm  **SPOKEN SESSION**
Asthma: infection and inflammation

1.45pm – 3.05pm  **SPOKEN SESSION**
New approaches to characterising paediatric respiratory diseases

1.45pm – 3.15pm  **POSTER DISCUSSION**
Multi-morbidity in COPD

1.45pm – 3.15pm  **SYMPOSIUM**
**BTS CLINICAL AUDIT AND QUALITY IMPROVEMENT**

**Learning objectives**
The objective of this session is to provide an update on the BTS Clinical Audit and Quality Improvement programme, including the results from recent national audits.

1.45pm – 3.20pm  **SPOKEN SESSION**
Mechanistic insights into interstitial lung disease

1.45pm – 3.45pm  **SYMPOSIUM**
**WEDDED TO TB: SOMETHING OLD, SOMETHING NEW, SOMETHING RECONSTITUTED, SOMETHING TURNING BLUE**
Chaired by: Professor Onn Min Kon (London) and Dr Anna Rich (Nottingham)
1) Advances in the genetics of TB: what the practicing physician needs to know Dr Eliza Alexander (PHE)
2) Who will develop active TB? The role of biomarkers Professor Hazel Dockrell (London)
3) Worsening symptoms during TB treatment: paradoxical responses and IRIS or relapse? Dr Marc Lipman (London)
4) Genomic analysis of globally diverse NMTB strains Dr Keira Cohen (Baltimore)

**Learning objectives**
1) To help physicians understand the molecular biology of TB and its role in assessing drug resistance and outbreak management.
2) To provide an update on mechanisms of how latent TB progresses to active disease and how biomarkers might impact on clinical practice in the near future.
3) To update physicians on the most recent research and analysis of why paradoxical responses occur and logic behind measures to address to them.
4) To provide an overview of the genetic evolution of multi-drug resistant TB strains to determine whether molecular diagnostic techniques could enable future targeted treatment of patients prior to development of MDR-TB.

2.00pm – 3.10pm  **POSTER DISCUSSION**
Triggers and treatment of cough

2.00pm – 3.30pm  **SYMPOSIUM**
**HIGHLIGHTS FROM THORAX**
*Details to be confirmed nearer to the time*

2.00pm – 3.30pm  **POSTER DISCUSSION**
Infected lung: from bench to bedside

2.00pm – 3.30pm  **MODERATED POSTER DISCUSSION**
Patient, physician and carer perspectives

3.30pm – 4.50pm  **SPOKEN SESSION**
Changes in pulmonary rehabilitation: new diseases, new approaches

3.30pm – 5.00pm  **POSTER DISCUSSION**
Ventilatory strategies for patients with respiratory failure
3.30pm – 5.00pm POSTER DISCUSSION
Characterisation of lung disease with imaging and physiology

3.30pm – 5.15pm POSTER DISCUSSION
A clinical update in interstitial lung disease

3.45pm – 5.00pm POSTER DISCUSSION
Early detection and screening in tuberculosis

3.45pm – 5.20pm SPOKEN SESSION
Mechanisms of asthma

3.45pm – 5.30pm POSTER DISCUSSION
Pulmonary vascular disease: monitoring and managing

4.00pm – 5.30pm SYMPOSIUM
IMMUNODEFICIENCY AND THE LUNG IN THE 21ST CENTURY
Chaired by: Professor Ling Pei Ho (Oxford) and Dr John Hurst (London)
1) Managing the pulmonary complications of stem cell transplantation
   Dr Clare Sander (Cambridge)
2) HIV and the lung in the post-HAART era
   Professor Margaret Johnson (London)
3) Respiratory immunology in the modern era: at the cutting edge of next generation sequencing
   Professor Alison Condliffe (Sheffield)

Learning objectives:
1) To understand how the aetiology, natural history and management of primary and secondary immunodeficiency have changed in recent years.
2) To delineate the early and late complications of stem cell transplant and how they are investigated and managed.
3) To illustrate how the natural history of HIV infection has been changed by highly active anti-retroviral therapy and how this impacts on the pulmonary complications of this condition.
4) To showcase how recent scientific discoveries in the field of immunodeficiency may offer new insights into the pathogenesis of infection and its treatment in the broader setting.

5.30pm – 7.15pm
THE PRESIDENT’S RECEPTION
All participants are warmly invited to attend this social occasion
FRIDAY 8TH DECEMBER 2017

8.00am – 8.30am  BTS JOURNAL CLUB
CRITICAL CARE MEDICINE
Professor Danny McAuley (Belfast)

Learning objectives:
This Journal Club will introduce and summarise three to four key papers that have been published in the past 12 months on the subject of “Critical care medicine”. Professor Danny McAuley (Co-Director of Research for the Intensive Care Society) will then lead a discussion on these papers, based on his internationally recognised experience in this field. The relevant references will be available on the BTS website at the beginning of November so that delegates may review the papers in advance.

8.30am – 10.00am  SYMPOSIUM
COPD: THE CUTTING EDGE
Chaired by: Dr Stephen Bourke (North Shields) and Dr Rama Vancheeswaran (London)
1) Understanding host-pathogen interactions to improve outcomes in COPD
   Professor Tom Wilkinson (Southampton)
2) Surgery for and in COPD
   Mr Simon Jordan (London)
3) Refining inhaled therapies for COPD
   Professor Wisia Wedzicha (London)

Learning objectives:
COPD is a diverse condition. Attendees will hear about advances across a range of topics including the role of pathogen host interactions, advances in surgical approaches and who should (or should not) be getting which inhaler.

8.30am - 9.50am  SPOKEN SESSION
Improvements in lung cancer treatment

8.30am – 10.05am  SPOKEN SESSION
Cystic fibrosis: disease trajectory and evolving therapies

8.30am – 10.30am  SYMPOSIUM
THE IMPACT OF THE OBESITY EPIDEMIC ON THE LUNG
Chaired by: Dr Ari Manuel (Liverpool) and Dr Sophie West (Newcastle upon Tyne)
1) Mechanisms of obesity induced asthma
   Professor Dale Uematsu (San Francisco)
2) Achieving sustained weight loss in people with obesity
   Professor Rachel Batterham (London)
3) The role of obesity in difficult asthma and airway dysfunction
   Professor Chris Brightling (Leicester)
4) Obesity hypoventilation syndrome
   Professor Jean Louis Pepin (Grenoble)

Learning objectives:
1) To understand the impact of obesity on airway function and how it affects asthma.
2) To explore aspects of obesity and difficult asthma.
3) To recognise when obesity causes ventilatory failure and how best to manage this in different healthcare settings.
4) To empower all those working with obese patients with the latest effective strategies in obesity management – drugs, surgery, effective diets etc.

8.30am – 9.50am  SYMPOSIUM
PLEURAL DISEASE
Chaired by: Professor Nick Maskell (Bristol) and Professor Najib Rahman (Oxford)
1) Basic science of mesothelioma
   Dr Elizabeth Sage (London)
2) Clinical trials in mesothelioma
   Dr Robert Rintoul (Cambridge)
3) Pneumothorax
   Professor Stefan Marciniak (Cambridge)
4) Update on the management of pneumothorax
   Dr Robert Hallifax (Oxford)

Learning objectives:
1) To update the audience on the latest data on the molecular basis and understanding of mesothelioma occurrence and progression.
2) To review recent and ongoing randomised trials in mesothelioma, and review data on use of surgery in mesothelioma.
3) To understand the genetic basis of familial associations in pneumothorax.
4) To appraise the current understanding of acute treatment of pneumothorax, including the use of ambulatory treatment.

8.45am – 10.20am  SPOKEN SESSION
Fruit flies to footballers

10.30am – 11.50am  SPOKEN SESSION
Advances in understanding chronic thrombo-embolic disease and pulmonary hypertension

10.30am – 11.50am  SPOKEN SESSION
Mechanistic insights into COPD

10.30am – 11.50am  SPOKEN SESSION
Of mice and men
10.30am – 12.00pm  SYMPOSIUM
MULTI-SYSTEM LUNG DISEASE
Chaired by: Professor Ann Millar (Bristol) and Dr Muhunthan Thillai (Cambridge)
1) Systemic sclerosis and the lung
   Professor Chris Denton (London)
2) Vasculitis of the lung
   Professor Ulrich Specks (Minnesota)
3) Cystic lung disease – what, when and why?
   Professor Simon Johnson (Nottingham)

Learning objectives:
Multisystem diseases can be challenging to diagnose and manage and often have severe respiratory complications. The speakers will describe the common manifestations of systemic sclerosis, vasculitis and cystic lung diseases, outline how to assess the patient with multisystem disease, and update the audience on the management of these complex patients.

10.45am – 12.45pm  SYMPOSIUM
RESPIRATORY CRITICAL CARE: THE HINTERLAND
Chaired by: Dr Michael Davies (Cambridge) and Professor Nicholas Hart (London)
1) BREATHE: the role of NIV in weaning from invasive ventilation. Results of a national multi-centre study
   Professor Gavin Perkins (Warwick)
2) Non-coding RNA controlling ICU acquired weakness
   Dr Paul Kemp (London)
3) Post-ICU rehabilitation: the RECOVER trial
   Professor Tim Walsh (Edinburgh)
4) NCEPOD: NIV in the UK, here we go again
   Dr Mark Juniper (Swindon)

Learning objectives:
This session focuses on the interface between invasive and non-invasive mechanical ventilation (NIV) which in the UK often determines the placement of patients in ICU or HDU. Specifically the following questions will be addressed:
1) Can NIV be used to accelerate weaning from invasive mechanical ventilation?
2) What is the latest evidence underlying the muscle wasting that ties survivors of critical illness to invasive mechanical ventilation?
3) What is the role for physical rehabilitation after critical illness?
4) How is NIV being provided to patients with acute respiratory failure in our hospitals?

1.00pm – 1.45pm  THE BTS LECTURE
SOCIAL JUSTICE AND THE LUNGS
Professor Sir Michael Marmot (London)

1.30pm – 2.45pm  POSTER DISCUSSION
Biomarkers, imaging and outcomes in COPD

1.30pm – 2.50pm  SPOKEN SESSION
Respiratory epidemiology

1.30pm – 2.50pm  SPOKEN SESSION
Managing pleural disease: from intervention to conservation

1.30pm – 3.15pm  POSTER DISCUSSION
External influences on asthma

2.00pm – 3.25pm  POSTER DISCUSSION
Sleep and breathing

2.00pm – 3.25pm  POSTER DISCUSSION
Danger at work: occupational lung disease and asthma

2.00pm – 3.30pm  SYMPOSIUM
ADAPT AND SURVIVE: MECHANISMS OF CHRONIC AIRWAY INFECTION
Chaired by: Professor Andres Floto (Cambridge) and Dr Elizabeth Sapey (Birmingham)
1) The evolutionary biology of chronic lung infections
   Professor Michael Brockhurst (Sheffield)
2) The microbiome and chronic infection
   Professor Michael Tunney (Belfast)
3) Macrophages and the control of chronic infection
   Professor Louise Donnelly (London)

Learning objectives:
In this session, participants will understand how pathogens adapt to the airway to establish and maintain chronic infection, understand the role of the microbiome in different airway diseases and how polymicrobial infections are established. The session will cover how defects in the innate immune response may predispose to chronic infection or allow it to be maintained, and novel treatment approaches will be considered, in particular those that target bacterial virulence, modify the microbiota or modify the host inflammatory response to find alternatives to antibiotics for chronic airway infection.
2.00pm – 3.30pm  SYMPOSIUM
SMOKING AND VAPING
Chaired by: Dr Nick Hopkinson (London) and Dr Louise Restrick (London)
1) Who vapes, where and why adults and children and both sides of the pond?
   Dr Sanjay Agrawal (Leicester)
2) Relative risks – what do we know about the harms of vaping?
   Dr Robert Tarran (North Carolina)
3) Smoking cessation – making it work in the NHS
   Dr Rachael Murray (Nottingham)

Learning objectives:
Smoking cessation is the most effective treatment for lung disease. Find out how to make it work in the NHS and what the current state of knowledge is around e-cigarettes and vaping.

2.00pm – 3.30pm  MODERATED POSTER DISCUSSION
Idiopathic pulmonary fibrosis treatment update

2.00pm – 3.35pm  POSTER DISCUSSION
Closing the flood gates of the pleura

3.00pm – 4.30pm  POSTER DISCUSSION
Clinical implications of cystic fibrosis

3.15pm – 4.45pm  POSTER DISCUSSION
Lung cancer: from virtual contact to invasive procedures

3.15pm – 4.50pm  POSTER DISCUSSION
Pharmacotherapies for COPD

3.30pm – 4.35pm  SPOKEN SESSION
Core outcomes for mechanical ventilation

Whilst every effort is made to provide the publicised programme, this may be subject to change where circumstances are outside our control.

ADDITIONAL SESSIONS
The final programme will include details of open meetings of the BTS Specialist Advisory Groups (SAGs) and other sessions, including the British Lung Foundation Research Highlights session: Mesothelioma Update, and the UKRRC session focused on training.

GENERAL INFORMATION

Conference organisation and general enquiries
The Winter Meeting is organised by the British Thoracic Society. Please direct all general conference enquiries via email to: bookings@brit-thoracic.org.uk

The Venue
The Queen Elizabeth II Centre is located at Broad Sanctuary, Westminster, SW1P 3EE, opposite Westminster Abbey. For directions please visit: http://qeiicentre.london/getting-here/

CME
Application pending for CME approval from the Federation of the Royal Colleges of Physicians of the UK. When approved, we will automatically register all eligible delegates for CME when they pre-register for the Meeting.

Award Presentations
The presentation of Awards will take place in the Churchill Auditorium on the ground floor of the Centre, at 4.15pm on Wednesday 6th December. These presentations will include the BTS Medal, BTS Award for Meritorious Service, BTS Medical Student Prizes and the BTS/BALR/BLF Early Career Investigator of the Year Awards.

President’s Reception
The President’s Reception will be held on Thursday 7th December, from 5.30pm to 7.00pm in the Conference Centre. All those attending the Winter Meeting are warmly invited to attend this informal social occasion and enjoy light refreshments in convivial surroundings. Although the reception is free to attend, for catering purposes we do need to know the numbers attending, so please indicate this on the registration form.

Hotel Accommodation
MICE Concierge have been appointed as the official accommodation and concierge service for the event. MICE Concierge offer a complete solution for travel and accommodation, offering exclusive discounted hotel rates at carefully selected event hotels. Please contact MICE Concierge direct for all accommodation and travel enquiries.

Telephone: 01438 908 770
Email: hello@miceconcierge.com
Website: www.miceconcierge.com/events/btswinter2017

#BTSWinter2017
BOOKING CONDITIONS

PLEASE READ THIS PAGE CAREFULLY BEFORE COMPLETING THE REGISTRATION FORM IN BLOCK CAPITALS

EARLY REGISTRATION is strongly recommended. The Early Bird booking deadline is MONDAY 9TH OCTOBER 2017. All applications received after this date will be subject to an increased registration fee. Online booking will be available throughout the Meeting, until 23:59 on Thursday 7th December. Standard rates will apply. For bookings received after 27th November 2017, delegates must bring with them their booking confirmation email and badges will need to be collected on site at the Meeting. Delegates will still be able to turn up and register on the day(s) of the Meeting that they wish to attend, but in this instance an additional £25.00 administration fee will be payable.

Please complete the tear-off form as fully as possible, so that we can get badge details correct. It is essential that you include all relevant information if you are booking by credit/debit card.

If you require more than one form (for the use of colleagues and so on) please photocopy the enclosed. If the applicant is not a member of the Society, non-member rates apply in all categories, except BALR members and registered research students.

Fully retired members of the Society are exempt from the registration fee, but we do need to know if you are attending the Meeting and on what days. We ask that you register for the Meeting as normal before the early deadline date if possible. Thank you.

Those members who have retired from full-time working but who are undertaking remunerated/sessional employment, must pay the concessionary (or full) delegate rate depending on membership category.

The attendance fee for the Meeting does not include the cost of lunch, although coffee/tea on arrival and during the mid-morning and afternoon breaks is included. Cash catering will be available throughout each day.

The President’s Reception will be held this year on Thursday 7th December from 5.30pm to 7.15pm at the QEII Centre. This is included in the cost of the attendance fee. However, we do need to know the numbers attending, so please indicate this on the registration form.

Final conference materials and badges will be sent out to delegates in the week commencing Monday 20th November 2017. The conference programme and abstract booklet is published as a supplement to the December issue of Thorax, and will be sent by the BMJ directly to subscribing members at the end of November. Other delegates will be able to collect their copy from the registration desks on arrival at the Meeting. The full programme will also be available on the BTS website in advance of the Meeting.

CANCELLATION POLICY:

For cancellations received before Monday 6th November 2017, we will refund registration fees paid, minus a 25% administration charge. No refunds are payable for cancellations received AFTER 6th November 2017. This will include cancellations due to travel difficulties or adverse weather conditions.

CME:

Application pending. When approved, we will automatically register all eligible delegates for CME when they pre-register for the Meeting.

ATTENDANCE CERTIFICATES:

Will be available after the Meeting to download from the BTS website.

Please return your completed registration form(s) to:

REGISTRATION – WINTER MEETING

The British Thoracic Society

17 Doughty Street

London

WC1N 2PL

Telephone: 020 7831 8778
Fax: 020 7831 8766
Email: bookings@brit-thoracic.org.uk
Website: www.brit-thoracic.org.uk

We may need to contact you regarding some aspect of your registration form. It is therefore vital to advise us of your telephone, fax numbers and email.
BOOKING DETAILS
BTS WINTER MEETING 2017, 6th to 8th December, Queen Elizabeth II Centre, London
(Please see information overleaf for details of relevant charges and complete all sections in BLOCK CAPITALS)

<table>
<thead>
<tr>
<th>CONFERENCE</th>
<th>ATTENDANCE (please tick)</th>
<th>TOTAL COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Day 1: Wed 6th Dec 2017</td>
<td>£</td>
<td></td>
</tr>
<tr>
<td>Day 2: Thurs 7th Dec 2017</td>
<td>£</td>
<td></td>
</tr>
<tr>
<td>Day 3: Friday 8th Dec 2017</td>
<td>£</td>
<td></td>
</tr>
</tbody>
</table>

NON-BTS MEMBERS
To help BTS provide Meetings that reflect demand, it would be helpful for non-members to complete this section.
If you are not a BTS member, please indicate your professional status/job title here:

And your place of work:

PAYMENTS

GRAND TOTAL ENCLOSED £

PAYMENT BY CHEQUE
Please send your cheque* with your Registration Form, for the above amount made payable to: 'THE BRITISH THORACIC SOCIETY' (not BTS)

* Payment from overseas: If not by credit card, should be by Banker’s Draft in London, free of all charges, or by International Money Order.

INVOICES
Invoices will only be issued to finance departments and the full address, contact name and telephone number must be provided on the booking form. A purchase order number should also be provided.

DIETARY REQUIREMENTS
Vegetarian food will be available from the cash catering service, but please indicate below any other dietary requirements which we will pass on to the caterers:

DO YOU HAVE ANY OTHER SPECIAL REQUIREMENTS?
(wheelchair access, hearing needs, etc)?

SOCIAL EVENT – The President’s Reception
Thursday 7th December from 5.30pm to 7.15pm at the QEII Centre is included in the registration fee. Please indicate if you will be likely to attend.

Yes  No

PAYMENT BY CREDIT CARD
Credit/Debit Card for the above stated amount.
(Complete by filling in which card you are using. The BTS can accept MASTERCARD, VISA, EUROCARD, MAESTRO and SOLO cards).

We cannot accept American Express or Diners Club credit cards or Visa Corporate Purchase cards beginning with 4715 or 4484. These are now in use by some NHS Trusts and companies but BTS is not registered to accept these cards.

NAME (as it appears on the card)

Credit/Debit Card Address
(i.e. address where all correspondence concerning your credit/debit card is sent, please include house names where relevant)

ADDRESS

POST CODE  COUNTRY

SIGNATURE

DATE

NB: This form MUST be signed if payment is by Credit/Debit Card

CARD NUMBER

EXPIRY DATE (MM/YY)

ISSUE NUMBER (Maestro cards only)

THREE DIGIT SECURITY CODE (on the reverse of card)

This is mandatory for all types of card
REGISTRATION FORM

BTS WINTER MEETING 2017, 6th to 8th December, Queen Elizabeth II Centre, London

BEFORE RETURNING THIS FORM PLEASE CHECK:
• That you have checked the GRAND TOTAL is correct
• If payment is by credit/debit card, that you have SIGNED the form and quoted the correct card number and expiry date. For payments by Maestro, please enter VALID FROM and ISSUE NUMBER information where indicated
• If payment is by cheque, that this is enclosed

APPLICANT DETAILS

TITLE

FIRST NAME

SURNAME

ADDRESS - Please enter your preferred mailing address for all correspondence

POST CODE

COUNTRY

DAY TEL

EXT     BLEEP

EMAIL

JOB TITLE

PLACE OF WORK

Are you a BTS member?
If so: PLEASE TICK MEMBERSHIP NUMBER
(if known)

A full member?
An overseas member?
A concessionary rate member?*
A fully retired member?**

Are you a BALR member entitled to claim the concessionary rate?*
Are you a postgraduate student who is not a member of BTS and claiming the concessionary rate?*
If so, you must enclose a copy of your registration document before the concession is allowed.
Failure to do so will mean that the concession will not be granted.

*CONCESSIONARY RATE
BTS concessionary rate members are entitled to register at the concessionary rate. BALR members, PhD students and registered research students are also entitled to claim the concessionary rate, but proof of status must be provided. If you are not a BTS member, but still qualify for this concessionary rate, you must book by post or fax and not on line. If you do book online, we will be unable to refund the difference in cost.

**RETIRED MEMBERS
Retired members who are no longer in sessional employment are able to attend free of charge, otherwise members are required to pay the delegate rate that matches their membership fee band.

CHARGES

<table>
<thead>
<tr>
<th>Early Bird Up to 9th October 2017</th>
<th>Standard After 9th October 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTS members</td>
<td>£100.00 per day</td>
</tr>
<tr>
<td>Non BTS members</td>
<td>£130.00 per day</td>
</tr>
<tr>
<td>Concessionary rate*</td>
<td>£60.00 per day</td>
</tr>
</tbody>
</table>

(*as outlined above)

Online booking will be available throughout the Meeting, until 23:59 on Thursday 7th December. After 9th October 2017, standard rates will apply as above. Delegates will still be able to turn up and register on the day(s) of the Meeting that they wish to attend, but in this instance an additional £25.00 administration fee will be payable.

CATERING

The delegate fee includes coffee/tea and biscuits before the first session each day and at the mid-morning and mid-afternoon breaks (but NOT at lunch time). We will continue to offer lunch on a CASH CATERING BASIS ONLY at this year’s Winter Meeting, with a selection of hot and cold food available to buy during the lunch breaks.
The British Thoracic Society acknowledges the financial support of the following companies at the Winter Meeting 2017. None of them have had any input into the programme content or the planning of the conference. Furthermore, the Society does not allow any sponsored symposia at this event, within the programme or associated in any way with it.

Adherium Europe
Airsonett UK Ltd
Aquilant Endoscopy Ltd
AstraZeneca
BD Medical
Biocompatibles UK Ltd
Boehringer Ingelheim
Boston Scientific
Chiesi
Circassia
Clement Clarke International

Gilead
GlaxoSmithKline
Hitachi Medical Systems
Insmed
Mylan
Napp Pharmaceuticals Limited
Novartis Pharmaceuticals UK Ltd
Olympus
PARI Medical
Pfizer UK
PMD Solutions

PneumRx
Pulmonx
Rocket Medical
Sanofi
Teva
Trudell Medical UK Ltd
Uptake Medical
Vertex Pharmaceuticals UK Ltd
Wisepress Medical Bookshop

Official Accommodation & Concierge Services
Joining us in London.....why stay just anywhere?

MICE Concierge are the official concierge and accommodation bureau for the Winter Meeting 2017. We have been planning everything for your visit to London so you can save money, stay in the same hotels as other delegates and exhibitors and get exclusive access to the best hotels for the event.

To view all hotel and concierge information or to conveniently make a live booking, visit: www.miceconcierge.com/events/BTSWinter2017

The MICE Concierge Team and your dedicated Event Manager Emily Lovett would be delighted to help so please do call on +44 (0)1438 908770 or send an email to hello@miceconcierge.com

Carefully Selected Hotels
All of the core hotels are the properties best located for The QEII. We’ve chosen the closest available hotels around the QEII and Westminster.

Best Rates Guaranteed
We’ve negotiated rates that are the lowest available. Why pay more for the same room?

Network With The Industry
Make sure you’re where the action is and stay with other delegates and exhibitors and make the most of your time in London.

Expert Support & Advice
You’re one call away from quick and expert advice on all aspects of your visit to London. We’ll help you plan your travel and advise on the best hotels that meet your own requirements.