



WINTER MEETING 2024



**British
Thoracic
Society**

Full Programme and Conference Information

**WEDNESDAY 27 TO FRIDAY 29 NOVEMBER
QEII CENTRE, LONDON**

Early bird discount deadline: 14:00 on 1 October 2024

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

Better lung health **for all**

WELCOME

Dear Colleagues

I am delighted to present to you our full programme of guest lectures, major symposia, spoken and poster sessions for the 2024 BTS Winter Scientific Meeting, which will be held onsite at the QEII Centre in London.

The BTS Winter Scientific Meeting is the highlight of our professional calendar and is a great opportunity to showcase the very best of UK and International respiratory medicine. Our hard-working Science and Research Committee has selected an outstanding line up of national and international expert speakers for this year's Meeting.

Our symposia programme aims to cover the breadth of our speciality, and to highlight the latest advances in clinical, translational and basic science, providing outstanding science and education for all healthcare professionals and scientists who are working hard to improve how we care for patients with respiratory disease.

In this updated version of the programme, we include details of our superb spoken, poster and moderated poster sessions, presenting cutting edge research. Once again this year, you will notice a theme in the titles of the abstract sessions. Having had fun naming sessions after our favourite movies and songs in the last two years, this year's theme is literature! We hope you have as much fun attending these sessions as our "Dead Poet's Society", aka the Science and Research Committee, had in scheduling them!

The spoken, poster and moderated poster abstract sessions provide great platforms for sharing the most up-to-date advances and they remain a key part of the Meeting. This year we received 658 abstract submissions, the highest total in 14 years and the second highest ever; a sign of the strength of both the Winter Meeting and UK respiratory science.

Congratulations go to the 2024 participants in the BTS/BALR/A+LUK Early Career Investigator Award competition and the winners of the BTS/A+LUK/BALR Lecture Awards for mid-career researchers. We should be rightly proud of the strength of UK respiratory medicine and the role we play in caring for our patients and pushing forward international science in this field. These Awards are two of many opportunities to celebrate the accomplishments of our speciality.

Along with the outstanding science, the Winter Meeting provides an invaluable opportunity to network with friends and colleagues from across the country. We are all really looking forward to returning to the QEII Centre for this event, which always provides great opportunities for one-to-one interactions with clinicians, allied health professionals and scientific colleagues.

This is my final year as Chair of the Science and Research Committee. Before passing on the baton, I want to recognise the fantastic work of the Science and Research Committee, colleagues at BTS head office and, in particular, Cathryn Stokes, the Captain of the Winter Meeting ship, who continues to make this Meeting such a success.

The UK has much to be proud of as a world leader in respiratory research and I look forward to celebrating our success together in London in November 2024.

Yours faithfully



Professor James Chalmers
Chair, BTS Science and Research Committee



BTS SCIENCE AND RESEARCH COMMITTEE MEMBERS – THE 2024 WINTER MEETING PLANNING COMMITTEE:

Professor James Chalmers (Chair)	Dr Stephen Holmes	Dr Aran Singanayagam
Professor Mona Bafadhel	Dr Wadah Ibrahim	Professor Karl Staples
Dr Chloe Bloom	Dr Kate Lippiett	Dr Matthew Steward
Dr Rebecca D’Cruz	Dr Anthony Martinelli	Dr Amanda Tatler
Dr Louise Fleming	Dr Pujan Patel	Dr Roger Thompson
Dr Frances Grudzinska	Professor Najib Rahman	Dr Steven Walker

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

FINAL PROGRAMME

The complete Final Programme, including abstracts, is published as a supplement to Thorax and will be available to all participants in advance of the Meeting on the conference App and the BTS website: www.brit-thoracic.org.uk

THE VENUE

QEII Centre, Broad Sanctuary Westminster, London, SW1P 3EE (opposite Westminster Abbey).
For directions, please visit: qeiicentre.london/about/location

BTS/A+LUK/BALR LECTURE AWARDS

British Thoracic Society, Asthma + Lung UK and the British Association for Lung Research are delighted to announce the winners of this important award, which recognises outstanding clinical and translational research and celebrates an excellent track record of achievement and impact in respiratory research.

BTS/A+LUK Lecture Award Winner – Dr Elaine Soon (Cambridge)

BTS/BALR Lecture Award Winner – Dr Aran Singanayagam (London)

Both will present their work in the special Lecture Award session on Thursday 28 November at 4.15pm (please see page 10 for details).

CPD APPROVAL

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

ATTENDANCE CERTIFICATES

Instructions for generating certificates will be sent to all registered delegates after the event.

AWARD PRESENTATIONS

The presentation of awards will take place in the Churchill Auditorium on the ground floor of the venue, at 4.15pm on Wednesday 27 November. These presentations will include the BTS Medal, BTS Meritorious Service Award, BTS President's Award, BTS Medical Student Prizes, the BTS/BALR/A+LUK Early Career Investigator of the Year Awards, and the BTS/A+LUK/BALR Lecture Awards.

PRESIDENT'S RECEPTION

The President's Reception will be held on Thursday 28 November from 5.45pm to 7.00pm in the Britten lounge on the 3rd floor of the QEII 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 Winter Meeting. 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 enquiries. Please note that BTS is unable to assist with any accommodation bookings or queries.

Tel: 01483 908 770

Email: hello@miceconciierge.com

Website: <https://miceconciierge.com/btswinter24>



#BTSWinter2024

The British Thoracic Society gratefully acknowledges sponsorship from the under listed companies, through the purchase of exhibition space at the Winter Meeting 2024. 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.

Abbott Rapid Diagnostics

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Tidal Sense

Uptake Medical Inc

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FULL PROGRAMME

WEDNESDAY 27 NOVEMBER 2024

8.00am – 8.30am **JOURNAL CLUB**

OCCUPATIONAL LUNG DISEASE

Dr Johanna Feary (London)

Learning objectives

To review the latest publications and evidence in the field of occupational lung disease.

8.30am – 10.30am **JOINT BTS/BALR SYMPOSIUM PART 1**

JOINING THE DOTS – INTERNAL INTERACTIONS

Chaired by: Dr Alison John (London) and Dr Brintha Selvarajah (London)

- 8.30am More than just a barrier – endothelial-epithelial cross-talk
Dr Andreas Wack (London)
- 9.10am A long distance relationship? Molecular pathways underlying lung-brain axis signalling
Dr Claire Morgan Laubacher (Wisconsin)
- 9.50am Putting it all together – multimodal analysis of cell circuits in lung ageing and disease
Professor Herbert Schiller (Munich)

Learning objectives

- 1) To give an overview of the interaction between these cell types in the lung and how this interaction affects responses to respiratory infection.
- 2) To give an overview of the interaction between the lung and the brain and how this is modulated by respiratory disease.
- 3) To give an overview of how multiple cell types can be analysed in an integrated way to inform our understanding of lung biology.

8.45am - 9.50am **SPOKEN SESSION: S1-S4**

"THE CATCHER IN THE MRI" - FUNCTIONAL IMAGING IN LUNG DISEASE

8.45am - 10.05am **SPOKEN SESSION: S5-S9**

"TOPIC OF CANCER" - CANCER DIAGNOSIS AND TREATMENT

8.45am – 10.15am **SYMPOSIUM**

AT THE REVOLUTION IN COPD HEALTH: ENTER BIOLOGICS

Chaired by: Dr Lydia Finney (London) and Dr Neil Greening (Leicester)

- 8.45am Translating the pathway in COPD
Professor Guy Brusselle (Ghent)
- 9.15am What have the biologics P3 trials shown?
Professor Surya Bhatt (Alabama)
- 9.45am Using biologics at the time of an acute exacerbation
Professor Mona Bafadhel (London)

Learning objectives

- 1) To understand the background and development to personalised treatment using biologics for exacerbations of COPD.
- 2) To provide an update on the latest evidence for biologics in COPD.
- 3) To review possible usage of biologics at the time of an exacerbation of COPD.

8.45am – 10.15am **SYMPOSIUM**

MEASUREMENT AND MONITORING IN PULMONARY REHABILITATION – USING THE MIND, BODY AND SOUL

Chaired by: Dr Matthew Armstrong (Durham) and Dr Rachael Evans (Leicester)

- 8.45am The mind – Can we use brain imaging to predict improvement in breathlessness improvement experienced during PR?
Dr Kyle Pattinson (Oxford)
- 9.15am The body – Physiological measurement and testing in COPD: should this impact how we do PR?
Professor Harry B Rossiter (Los Angeles)
- 9.45am The soul – Musical interventions: an effective adjunct for PR?
Dr Adam Lewis (Southampton)

Learning objectives

- 1) To understand the potential usefulness of brain imaging in the management of breathlessness.
- 2) To explore the usefulness of physiological measurement and testing in those with respiratory conditions.
- 3) To discuss the potential of musical interventions as an adjunct to PR.

8.45am - 10.20am **SPOKEN SESSION: S10-S15**

"THE TAMING OF THE T2" - INFLAMMATION IN ASTHMA

8.45am - 10.20am **SPOKEN SESSION: S16-S21**

"LUNGS LABOURS LOST" - OCCUPATIONAL LUNG DISEASE

8.45am - 10.20am **SPOKEN SESSION: S22-S27**

"THIS IS GOING TO HURT" - PLEURAL INTERVENTIONS

10.45am - 12.05pm **SPOKEN SESSION: S28-S32**

"CRIME AND PUNISHMENT" IN PULMONARY VASCULAR DISEASE

10.45am – 12.15pm **SYMPOSIUM**

PLEURAL INTERVENTIONS: THE HOW, WHY AND WHEN

Chaired by: Professor Kevin Blyth (Glasgow) and Dr Duneesha de Fonseka (Sheffield)

- 10.45am Outcome and complications post pleural intervention: results of the PROSPECT study
Dr Anand Sundaralingam (Oxford)
- 11.15am Predicting time to next pleural procedure: results of the REPEAT study
Professor Eleanor Mishra (Norwich)
- 11.45am Combining indwelling pleural catheter with thorascopic talc poudrage: results of the TACTIC trial
Dr Alexandra Dipper (Bristol)

Learning objectives

- 1) To examine the results of the UK's first prospective multi-centre study examining clinical, radiological and patient reported outcomes after pleural intervention.
- 2) To learn about the factors and biomarkers predictive of re-accumulation rate of malignant pleural effusions.
- 3) To discuss the results of the first RCT to compare a combined thorascopic talc pleurodesis and indwelling pleural procedure early in the patient pathway against standard care.

10.45am – 12.15pm **SYMPOSIUM**

TOBACCO DEPENDENCE: GIVING UP IS EASY, I'VE DONE IT A THOUSAND TIMES...

Chairs: Professor Sanjay Agrawal (Leicester) and Ms Jacqueline Pollington (Rotherham)

- 10.45am Quitting smoking as a crucial component of cancer care: clinical and biological benefits
Dr Mahdi Sheikh (Lyon)
- 11.15am Vaping explained
Professor Caitlin Notley (Norwich)
- 11.45am Update on the BTS Clinical Statement on the Medical Management of Inpatients with Tobacco Dependency
Professor Matthew Evison (Manchester)

Learning objectives

- 1) To explore the science of treating tobacco addiction.
- 2) To evaluate the current evidence for the use of vapes in treating tobacco dependence.
- 3) To understand the recently updated tobacco clinical statement.

10.45am – 12.15pm **SYMPOSIUM**

HIGHLIGHTS FROM THORAX AND LANCET RESPIRATORY MEDICINE

Chaired by: Dr Emma Grainger (*Lancet Respiratory Medicine*) and Dr Cecilia O'Kane (*Thorax*)

Details to be confirmed closer to the event.

Session overview

Meet the editors of *Thorax* and *Lancet Respiratory Medicine* in this session, in which the editors select a paper from each journal, invite the authors to present, and discuss why they chose these papers for their journal. The session will highlight high quality respiratory research and help attendees understand the peer review and editorial decision-making processes.

10.45am - 12.15pm **OPEN SESSION**

NRAP: UNDERSTANDING WHAT GOOD RESPIRATORY CARE LOOKS LIKE

Chaired by: Professor Tom Wilkinson (Southampton)

- 10.45am Introduction
- 10.55am Organisational audit
Dr Irem Patel (London) and Professor Ian Sinha (Liverpool)
- 11.15am Healthcare Improvement Programme
Professor Alice Turner (Birmingham)
- 11.35am NRAP research
Professor James Dodd (Bristol) and Professor Jennifer Quint (London)
- 11.55am Q&A

Learning objectives

- 1) To understand the NRAP organisation audit 2024 recommendations.
- 2) To understand the NRAP healthcare improvement education programme and strategy, linked to HI goals.
- 3) Discuss the aims and objectives for the NRAP research committee. Understand data access requests and governance for NRAP research. Discuss the future direction and priorities of the NRAP research programme.

10.45am - 12.20pm **SPOKEN SESSION: S33-S38**

"HARRY POTTER AND THE SORCERER'S BIOLOGIC" - ASTHMA BIOLOGICS (1)

10.45am - 12.20pm **SPOKEN SESSION: S39-S44**

"WHERE THE WILD THINGS ARE" - INFECTION AND INFLAMMATION IN BRONCHIECTASIS AND NTM

10.45am - 12.20pm **SPOKEN SESSION: S45-S50**

"THE WIND IN THE WILLOWS" - HOME MECHANICAL VENTILATION

11.00am – 1.00pm **JOINT BTS/BALR SYMPOSIUM PART 2**
JOINING THE DOTS – EXTERNAL INTERACTIONS

Chaired by: Dr Chloe Hughes (Dundee) and Professor Karl Staples (Southampton)

- 11.00am Climate crisis – impact of rising temperatures on pulmonary particulate matter responses
Dr Lareb Dean (Southampton)
- 11.40am A dirty environment? Interactions between pollution and microbes
Professor Christopher Carlsten (Vancouver)
- 12.20pm Unintended consequences – harms of e-cigarettes
Dr Aaron Scott (Birmingham)

Learning objectives

- 1) To provide an update on the impact of particulate pollution on lung biology and how this is impacted by climate change.
- 2) To provide an update on our current understanding of how pollution impacts on the respiratory microbiome and how this interaction impacts on lung health.
- 3) To provide an update on our current understanding of the impact of e-cigarette constituents on lung cell biology.

1.15pm – 2.00pm **GUEST LECTURE**
BTS GRAND CHALLENGE LECTURE

Sarah Woolnough (The King's Fund)

2.15pm – 3.45pm **SYMPOSIUM**
MEDICINES-USE BEHAVIOUR CHANGE: TRANSLATING ASTHMA TRIAL EVIDENCE INTO CLINICAL PRACTICE

Chaired by: Ms Gráinne d'Ancona (London) and Professor Adel Mansur (Birmingham)

- 2.15pm Guideline development: from clinical trials to medicines optimisation
Ms Lynn Elsey (Manchester)
- 2.45pm Clinician behavioural change: overcoming entrenched behaviours
Professor Robert Horne (London)
- 3.15pm Patient behavioural change: are shared decision making and digital innovations the answer?
Dr Samantha Walker (London)

Learning objectives

- 1) Recognise the challenges of effectively implementing new guidelines in clinical practice.
- 2) Appreciate the interventions needed to change the behaviour of healthcare professionals in delivering innovation.
- 3) Understand what factors influence patient medicine taking behaviours (adherence) and what can facilitate long term behaviour change.

2.15pm – 3.45pm **JOINT BTS/BPRS SYMPOSIUM**
REDUCING THE BURDEN OF LUNG DISEASE THROUGHOUT THE LIFE COURSE – WE NEED TO START EARLY!

Chaired by: Dr Caroline Harris (Newcastle upon Tyne) and Dr Anna Moore (London)

- 2.15pm CF in the era of modulators – too early to talk about remission?
Professor Jane Davies OBE (London)
- 2.45pm Do children really "grow out" of asthma?
Professor Francine Ducharme (Montreal)
- 3.15pm How can paediatricians improve adult lung health?
Professor Stephen Turner (Aberdeen)

Learning objectives

- 1) To discuss social structural factors and early life influences that impact respiratory health throughout the life course.
- 2) To understand how remission may differ across age groups and disease types.
- 3) To discuss whether current therapies can lead to disease modification.

2.15pm – 3.45pm **SYMPOSIUM**
JOINT BTS/BALR/A+LUK EARLY CAREER INVESTIGATOR AWARDS

Judged by: Professor Mona Bafadhel (London), Professor James Chalmers (Dundee) and Professor Karl Staples (Southampton)

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 British Thoracic Society, British Association for Lung Research and Asthma + Lung UK.

2.15pm - 4.00pm **MODERATED POSTER DISCUSSION: M1-M14**
"INTO THIN AIR" - FROM PRIMARY CARE TO BIOLOGICS

2.15pm - 4.00pm **POSTER DISCUSSION: P1-P14**
"THE CAP IN THE HAT" - PNEUMONIA IN 2024

2.15pm - 3.50pm **POSTER DISCUSSION: P15-P27**
"GEORGE'S MARVELLOUS MEDICINE" - BIOLOGICS, BIOLOGICS, BIOLOGICS

2.15pm - 4.00pm **POSTER DISCUSSION: P28-P41**
"SLEEPING BEAUTY" - MONITORING AND MANAGING SLEEP DISORDERED BREATHING

2.15pm - 4.00pm **POSTER DISCUSSION: P42-P55**
"ALICE'S ADVENTURES IN INHALERLAND" - CONSIDERING THE DEVICE AND THE ENVIRONMENT IN ASTHMA

2.15pm - 4.00pm **POSTER DISCUSSION: P56-P68**

"INTO THE VOID" - ILD AND SARCOID

4.15pm – 4.45pm

BTS AWARD PRESENTATIONS

4.45pm – 5.30pm

BTS PRESIDENT'S ADDRESS

"TRIALS, TRAINING AND TYRES ...!"

Professor Nicholas Maskell (Bristol)

Introduced by: Professor Jonathan Bennett (Leicester)

5.35pm – 6.05pm

BTS ANNUAL GENERAL MEETING *(BTS members only)*

THURSDAY 28 NOVEMBER 2024

8.00am – 8.30am **JOURNAL CLUB**

PULMONARY EMBOLISM

Dr Melanie Brewis (Glasgow)

Learning objectives

To review the latest publications and evidence in the field of pulmonary embolism.

8.45am - 10.05am **SPOKEN SESSION: S51-S55**

"THE THURSDAY MESO CLUB" - PLEURAL MALIGNANCY

8.45am - 10.05am **SPOKEN SESSION: S56-S60**

"THE NURSE OF MONTE CRISTO" - NURSE-LED RESPIRATORY CARE

8.45am – 10.15am **SYMPOSIUM**

BTS/SIGN/NICE JOINT GUIDELINE FOR THE DIAGNOSIS, MONITORING AND MANAGEMENT OF CHRONIC ASTHMA

Details to be confirmed.

8.45am – 10.15am **SYMPOSIUM**

BREAKING THE BARRIERS IN BRONCHIECTASIS: CUTTING EDGE FROM CLINICAL TRIALS

Chaired by: Professor Anthony de-Soyza (Newcastle upon Tyne) and Dr Fiona Mosgrove (Aberdeen)

8.45am Airway clearance in 2024
Dr Arietta Spinou (London)

9.15am Pathophysiology and treatment of mucus dysfunction in distal airways in bronchiectasis
Professor Felix Ringshausen (Hannover)

9.45am Tackling inflammation as a target in bronchiectasis: recent trials update
Professor James Chalmers (Dundee)

Learning objectives

- 1) To review recent data from large registries into the use of airway clearance in bronchiectasis.
- 2) To understand the role of mucins and airway mucus in the pathophysiology of bronchiectasis.
- 3) To review the results from recent clinical trials of anti-inflammatory treatments in bronchiectasis.

8.45am - 10.20am **SPOKEN SESSION: S61-S66**

"FIRESTARTER" - INFLAMMATION, MECHANISMS AND BIOMARKERS IN COPD

8.45am - 10.20am **SPOKEN SESSION: S67-S72**

"FOUNDATION'S EDGE" (1) - NEXT GENERATION DISCOVERY SCIENCE

8.45am - 10.20am **SPOKEN SESSION: S73-S78**

"MIDSUMMER NIGHT'S DREAM" - VENTILATION IN MOTOR NEURONE DISEASE

8.45am - 10.20am **SPOKEN SESSION: S79-S84**

"THE NEVER-ENDING STORY" (OF LONG-COVID)

9.00am – 10.30am **SYMPOSIUM**

ADVANCES IN THE WORLD OF PULMONARY HYPERTENSION

Chaired by: Dr Colin Church (Glasgow) and Ms Rachel Crackett (Newcastle upon Tyne)

9.00am What's new in the world of pulmonary vascular medicine: updates from the world symposium
Dr Ioana Preston (Boston)

9.30am Finding new drugs for pulmonary hypertension: the challenges and thoughts about solutions
Professor Martin Wilkins (London)

10.00am The emerging role of artificial intelligence in the diagnosis of pulmonary embolism
Professor Jay Suntharalingam (Bath)

Learning objectives

- 1) To describe relevant updates for general physicians from the World Symposium on PH.
- 2) To update on emerging therapies and clinical trial designs in pulmonary hypertension.
- 3) To describe the potential for AI to improve diagnosis of pulmonary embolism.

10.45am - 12.05pm **SPOKEN SESSION: S85-S89**

"THE VERY BREATHLESS CATERPILLAR" - PAEDIATRIC DIAGNOSTICS

10.45am – 12.30pm **SYMPOSIUM**

PLENARY SCIENTIFIC

Chaired by: Professor James Chalmers (Dundee) and Professor Elizabeth Sapey (Birmingham)

10.45am Unleashing the potential of routine health data for respiratory health
Professor Jennifer Quint (London)

11.11am Impact of haemophilus infection in the airways
Professor Karl Staples (Southampton)

11.37am Translational research in malignant mesothelioma
Professor Kevin Blyth (Glasgow)

12.03pm Microbial dysbiosis and disease progression in fibrotic lung disease
Professor Philip Molyneaux (London)

Learning objectives

- 1) To understand the role of electronic medical records and other routine health data in research.
- 2) To understand the in-vitro and in-vivo evidence for the effects of chronic bacterial infection on the airway.
- 3) To review latest research into malignant mesothelioma.
- 4) To understand the role of the microbiome in fibrotic lung disease.

1.00pm – 1.45pm **GUEST LECTURE**

BTS SCIENTIFIC LECTURE

UNDERSTANDING MECHANISMS OF OXYGEN SENSING

Professor Sir Peter Ratcliffe (Oxford)

2.15pm – 3.45pm **SYMPOSIUM**

TRANSFORMING SPECIALIST RESPIRATORY SERVICES: WHAT DOES 'GOOD' LOOK LIKE AND HOW DO WE DELIVER AND MONITOR?

Chaired by: Dr Charlotte Addy (Cardiff) and Dr Paul Walker (Liverpool)

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|--------|----------------------------------------------------------------------------------------------------------------------|
| 2.15pm | Transformation of specialist respiratory services
Dr Jonathan Fuld (NHSE) |
| 2.37pm | Service transformation and delivery of specialist services in Scotland
Dr Tom Fardon (Dundee) |
| 2.59pm | How the patient voice can shape clinical pathways
Mr Bradley Price (Action for Pulmonary Fibrosis) |
| 3.21pm | Using data to understand population need and deliver improvement in severe asthma
Dr Hitasha Rupani (Southampton) |

Learning objectives

- 1) To outline current and future specialist respiratory services in England and in Scotland and how this may apply to the four nations.
- 2) To highlight the role of patients in developing clinical care pathways.
- 3) To underline the importance of data to service improvement using the example of severe asthma services.

2.15pm – 3.45pm **SYMPOSIUM**
CURRENT COMPLEXITIES IN CYSTIC FIBROSIS

Chaired by: Professor Andrew Jones (Manchester) and Professor Kevin Southern (Liverpool)

- | | |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 2.15pm | CF: is it or isn't it? Diagnostic complexities
Professor Nicholas Simmonds (London) |
| 2.45pm | Lessons from compassionate use programmes in rare CF mutations
Professor Pierre-Régis Burgel (Paris) |
| 3.15pm | Complex treatment decisions: using pharmacogenetics in CF to guide prescribing
Professor Jennifer Guimbellot (Little Rock, Arkansas) |

Learning objectives

- 1) To review the diagnostic approach to complex cases of possible CF.
- 2) To review the role of modulator treatment in rare CF mutations.
- 3) To review the role of pharmacogenetics in treatment decisions.

2.15pm – 3.45pm **SYMPOSIUM**

BTS STAG SCIENTIFIC SYMPOSIUM – BIOGRAPHY OF A LUNG

Chaired by: Dr Frances Grudzinska (Nottingham) and Dr Anthony Martinelli (Cambridge)

- | | |
|--------|----------------------------------------------------------------------------------------------------------------------|
| 2.15pm | "Genesis" – Exploiting lung development in treating disease
Dr Amanda Goodwin (Nottingham) |
| 2.37pm | "Midnight's Children" – Early life and its impact on lung health
Dr Sormeh Salehian (London) |
| 2.59pm | "Rabbit, Run" – Exercise testing and novel biomarkers from CF to ILD
Dr Owen Tomlinson (Exeter) |
| 3.21pm | "The Remains of the Day" – Ageing and inflammation in respiratory pathology
Dr Wezi Sendama (Newcastle upon Tyne) |

Learning objectives

- 1) Tell the story of the lung from its initial development, through growth and adulthood, to ageing, highlighting the biological changes that occur at each stage and how these impact disease.
- 2) Cover novel science pertaining to a range of respiratory diseases (asthma to ILD) so both specialist and disease-agnostic respiratory physicians will be able to divine benefit from the seminar.
- 3) Showcase the work of early career UK academics forging paths through respiratory research and aim to inspire trainees, AHPs, nurses, and even senior BTS members, to pursue research in all forms.

2.15pm - 3.45pm **POSTER DISCUSSION: P69-P80**
"DIARY OF A WHEEZY KID" - PAEDIATRIC ASTHMA DIAGNOSTICS

2.15pm - 3.50pm **POSTER DISCUSSION: P81-P93**
"SUBTLE KNIFE" - LUNG CANCER MANAGEMENT

2.15pm - 3.50pm **POSTER DISCUSSION: P94-P106**
"THE GOD OF SMALL THINGS" - HOT TOPICS IN PAEDIATRICS

2.15pm - 3.50pm **SPOKEN SESSION: S90-S95**
"A TALE OF TWO BIOLOGICS" - MONOCLONAL ANTIBODIES IN COPD

2.15pm - 4.00pm **POSTER DISCUSSION: P107-P120**
"THE MAN IN THE IRON MASK" - ACUTE RESPIRATORY SUPPORT

2.15pm - 4.00pm **MODERATED POSTER DISCUSSION: M15-M28**
"THROUGH THE LOOKING GLASS" - AIRWAY DISEASE THERAPIES IN THE REAL WORLD

4.15pm – 5.15pm **SYMPOSIUM**
JOINT BTS/A+LUK/BALR LECTURE AWARDS
Judged by: Professor Mona Bafadhel (London), Professor James Chalmers (Dundee) and Professor Karl Staples (Southampton)

- 1) Inflammation and genetic mutations in pulmonary vascular disease
Dr Elaine Soon (Cambridge)
- 2) Respiratory viral infections: susceptibility, severity and sequelae
Dr Aran Singanayagam (London)

4.15pm - 5.30pm **POSTER DISCUSSION: P121-P130**
"THE HITCHHIKER'S GUIDE TO COUGHING"

4.15pm - 5.35pm **SPOKEN SESSION: S96-S100**
"WAR AND PEACE" - NEUTROPHIL RESPONSES ACROSS DISEASE

4.15pm - 5.40pm **POSTER DISCUSSION: P131-P141**
"THE VAPES OF WRATH" - TOBACCO DEPENDENCY AND SMOKING CESSATION

4.15pm – 5.45pm **SYMPOSIUM**
JOINT BTS/BPRS SYMPOSIUM
INFECTION AND THE LUNG: A NEW WORLD ORDER
Chaired by: Dr Julian Legg (Southampton) and Dr Samantha Sonnappa (London)

- 4.15pm RSV post COVID – a cloud with a silver lining
Dr Conall Watson (Oxford)
- 4.45pm Fungal infection and ABPA in non-CF bronchiectasis
Dr Deepa Patel (Leicester)
- 5.15pm Group A strep empyema – just a blip or here to stay?
Dr Matthew Thomas (Newcastle upon Tyne)

Learning objectives

- 1) To understand the epidemiology of respiratory infections and changes post COVID.
- 2) To discuss novel approaches to diagnostics for respiratory infections.
- 3) To consider the evidence gaps in the management of respiratory infections.

4.15pm – 5.45pm **SYMPOSIUM**
EVIDENCE-INFORMED NURSE LED PRACTICE

Chaired by: Ms Aleksandra Gawlik-Lipinski (Leicester) and Ms Joanne King (Frimley)

- 4.15pm The evidence for nurse led care out of hospital
Vicki Slade (Bodmin) and Sarah Kearney (Isle of Wight)
- 4.45pm The role of the nurse in lung volume reduction surgery
Dr Sara Buttery (London) and Ms Sally Bustin (Frimley)
- 5.15pm The role of the nurse in leading research
Professor Lynn Calman (Southampton)

Learning objectives

- 1) To celebrate the respiratory nursing contribution to holistic, advanced, out of hospital care.
- 2) To explore new areas where respiratory nurses can take the lead.
- 3) To explore the role of the nurse in leading research and encourage interest in undertaking research projects.

4.15pm - 5.50pm **SPOKEN SESSION: S101-S106**
"HARRY POTTER AND THE GOBLET OF MONOCLONALS" - ASTHMA BIOLOGICS (2)

4.15pm - 5.50pm **POSTER DISCUSSION: P142-P154**
"CALL OF THE ILD"

4.15pm - 6.00pm **POSTER DISCUSSION: P155-P168**
"A FINE BALANCE" - LUNG CANCER SCREENING

5.45pm – 7.00pm **BTS PRESIDENT'S RECEPTION**
All registered participants are warmly invited to attend this social occasion

FRIDAY 29 NOVEMBER 2024

8.00am – 8.30am **JOURNAL CLUB**

PHYSIOLOGY

Professor William Man (London)

Learning objectives

To review the latest publications and evidence in the field of respiratory physiology.

8.30am - 9.50am **SPOKEN SESSION: S107-S111**
"THE FAMOUS FIVE" - EMERGING CLINICAL TRIAL DATA

8.30am – 10.00am **SYMPOSIUM**
TRANSFORMING RESPIRATORY DIAGNOSIS: THE ART OF THE POSSIBLE

Chaired by: Professor Chris Brightling (Leicester) and Dr Catherine Kettleborough (LifeArc)

- | | |
|--------|--------------------------------------------------------------------------------------------------------------------|
| 8.30am | Experience from the front line
Dr Helen Ashdown (Oxford) |
| 9.00am | Evolution or revolution: the past, present and future of asthma diagnosis
Professor Stephen Fowler (Manchester) |
| 9.30am | Improving the quantification of lung damage
Dr Joseph Jacob (London) |

Learning objectives

- 1) To review the current evidence and utility of diagnostics in respiratory clinical practice.
- 2) To review current diagnostics in asthma and areas for future development.
- 3) To review the role of new imaging techniques and modalities in improving respiratory diagnosis and phenotyping.

8.30am – 10.00am **SYMPOSIUM**
UPDATES IN THORACIC MALIGNANCY

Chaired by: Dr Anna Bibby (Bristol) and Dr Emma O'Dowd (Nottingham)

- | | |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------|
| 8.30am | Identifying radically treatable disease: nodal staging and pathway management of NSCLC in the neoadjuvant era
Dr John Maclay (Glasgow) |
| 9.00am | Cutting edge diagnostics in pre-mesothelioma states and mesothelioma
Dr Beth Sage (Highland and Aberdeen) |
| 9.30am | The state of surgery in mesothelioma
Professor Eric Lim (London) |

Learning objectives

- 1) To recognise the clinical and practical challenges in diagnostic work-up of locally advanced, operable NSCLC.
- 2) Review of novel diagnostics in the work-up of mesothelioma.
- 3) To review the evidence behind the surgical management of mesothelioma, including results of MARS 2 trial.

8.30am – 10.00am **SYMPOSIUM**
STATE OF THE ART: COUGH THERAPEUTICS

Chaired by: Ms Jemma Haines MBE (Manchester) and Dr Barnaby Hirons (London)

- | | |
|--------|-----------------------------------------------------------------------------------------------------------------------------|
| 8.30am | New antitussive drugs
Professor Surinder Birring (London) |
| 9.00am | The placebo effect and designing the ideal clinical trial for cough
Dr Imran Satia (Ontario) |
| 9.30am | Treating cough without drugs: the future of non-pharmacological cough suppression therapy
Ms Siobhan Ludlow (Manchester) |

Learning objectives

- 1) Outline mechanisms and impact of placebo effects in cough (both impact on routine practice and on designing clinical trials).
- 2) What should cough clinical trials look like given the marked placebo effects seen in recent trials? What is a clinically meaningful response?
- 3) Overview of 'state of the art' in cough therapeutics, covering both drug and non-drug approaches and how this will impact on routine clinical practice and service development.

8.30am - 10.05am **SPOKEN SESSION: S112-S117**
"JANE AIR" - PNEUMOTHORAX MANAGEMENT

8.30am - 10.05am **SPOKEN SESSION: S118-S123**
"BRAVE NEW WORLD" - ASTHMA IN THE NEW ERA

8.30am - 10.05am **SPOKEN SESSION: S124-S129**
"OF MICE AND MEN" - ON THE ROAD TO TRANSLATION

10.30am - 11.50am **SPOKEN SESSION: S130-S134**
"THE ROAD NOT TAKEN" - OPTIMISING REHABILITATION IN COPD

10.30am – 11.55am **OPEN SESSION**

RESPIRATORY TRANSLATIONAL RESEARCH COLLABORATION

Chaired by: Professor Alexander Horsley (Manchester) and Professor Tom Wilkinson (Southampton)

- 10.30am An overview of the Respiratory Translational Research Collaboration
Professor Alexander Horsley (Manchester)
- 10.45am COPD National Research Strategy Group (NRSG)
Professor Tom Wilkinson (Southampton)
- 10.55am Asthma NRSG
Professor Salman Siddiqui (London)
- 11.05am Cystic Fibrosis NRSG
Professor Jane Davies OBE (London)
- 11.15am Early ILD NRSG
Professor Joanna Porter (London)
- 11.25am Acute Respiratory Infections NRSG
Professor Wei Shen Lim KBE (Nottingham)
- 11.35am Pleural Diseases NRSG
Professor Nick Maskell (Bristol)
- 11.45am BIOREME
Professor Bindi Brook (Nottingham)

Learning objectives

- 1) To learn about the NIHR Respiratory Translational Research Collaboration, including National Research Strategy Groups in key respiratory disease areas.
- 2) To learn how to contribute to these groups, to work with them, or to get their input and support in order to maximise the impact of translational research initiatives and delivery of early phase clinical trials.

10.30am – 12.00pm **SYMPOSIUM**

THE CHANGING PARADIGM OF ASTHMA IN THE BIOLOGICS ERA

Chaired by: Dr Jane McDowell (Belfast) and Dr Paul Pfeffer (London)

- 10.30am Asthma endotypes: are they static or fluid?
Dr Brian Lipworth (Dundee)
- 11.00am How are exacerbations changing in the era of biologics?
Professor Rekha Chaudhuri (Glasgow)
- 11.30am Obesity in asthma: is it about weight or inflammation?
Professor Katherine Cahill (Nashville)

Learning objectives

- 1) Discuss our evolving understanding of T2-high and T2-low disease in asthma and how this can be used to optimise patient management.
- 2) Showcase our latest understanding of the inflammatory cascade in asthma and how it relates to exacerbations in patients already on biologic therapy.

- 3) Understand how obesity impacts asthma symptoms and airway inflammation and get novel insights into the potential role of a weight loss drug in obese patients with asthma.

10.30am – 12.00pm **SYMPOSIUM**

ADVANCES IN TB: FROM DIAGNOSIS TO PROGNOSIS

Chaired by: Dr Pranab Haldar (Leicester) and Dr Jamilah Meghji (London)

- 10.30am Molecular diagnostics for pulmonary and extrapulmonary TB – what have we learned and what is on the horizon?
Dr Esther Robinson (UKHSA)
- 11.00am Treatment shortening – how can this be achieved for drug sensitive, drug resistant disease and latent TB infection?
Professor Gerry Davies (Liverpool)
- 11.30am Post-tuberculosis disease – how big is the problem and what can be done?
Dr Celso Khosa (Maputo)

Learning objectives

- 1) Understand developments in use of whole genomic sequencing to guide clinical and public health management of tuberculosis.
- 2) Understand the importance of shorter treatment options to the patient and the development of such regimens across the infection spectrum to support TB elimination.
- 3) Appreciate the significance of post-tuberculous morbidity, the burden of this health problem and how health systems should address this often poorly met need.

10.30am - 12.05pm **SPOKEN SESSION: S135-S140**

"FIFTY SHADES OF GREY" - TARGETED LUNG HEALTH CHECK

10.30am - 12.05pm **SPOKEN SESSION: S141-S146**

"A WINTER'S TALE" - MECHANISMS OF VIRAL INFECTION

10.30am - 12.05pm **SPOKEN SESSION: S147-S152**

"THE SIGNALMAN" - MECHANISMS OF LUNG DISEASE

11.45am - 12.30pm **OPEN SESSION**

WOMEN IN RESPIRATORY MEDICINE

Details to follow.

12.30pm – 1.15pm **GUEST LECTURE**

**BTS CLINICAL LECTURE
ACADEMIC MEDICINE: TRIALS AND TRIBULATIONS**

Professor Stuart Elborn (Belfast)

1.30pm – 3.00pm **SYMPOSIUM**

FIGHTING FUNGUS: ADVANCES AGAINST PULMONARY ASPERGILLOSIS

Chaired by: Professor Jeremy Brown (London) and Dr Sara Gago (Manchester)

- 1.30pm Aspergillus, asthma and the airway: why do fungi trigger inflammatory lung diseases?
Dr Peter Cook (Exeter)
- 2.00pm Chronic pulmonary aspergillosis: who and when to treat and how long for
Dr Inderpaul Sehgal (Delhi)
- 2.30pm Immunophenotyping responses to aspergillus in post-lung transplant patients
Professor Anna Reed (London)

Learning objectives

- 1) To learn about the differences in presentation and treatment of the various subtypes of chronic pulmonary aspergillosis (CPA) and how these are influenced by the immune status and comorbidities of the patient.
- 2) To understand and explore how aspergillus triggers our immune response to mediate chronic airway allergic diseases such as asthma and how ABPA pathogenesis determines the roles of corticosteroids and biologics used for treatment.
A mechanistic understanding of asthmatic immunopathology will radically improve therapeutic strategies for all asthmatics.
- 3) To appreciate the immune responses to aspergillus in the post-transplant patient and how this enables personalised treatment plans.

1.30pm – 3.00pm **SYMPOSIUM**

INNOVATIVE VENTILATION TECHNOLOGY: FROM HOSPITAL TO HOME

Chaired by: Ms Pearlene Antoine-Pitterson (Birmingham) and Dr Katie Burke (Sunderland)

- 1.30pm Acute respiratory failure: artificial intelligence in critical care
Dr Annemijn Jonkman (Rotterdam)
- 2.00pm Chronic respiratory failure: telemedicine in home ventilation
Professor Christopher Carlin (Glasgow)
- 2.30pm Complex home ventilation: auto-titrating modes
Dr Rebecca D'Cruz (London)

Learning objectives

- 1) To understand the emerging diverse role of digital technology for optimising ventilation in critical care and in the community.
- 2) To understand the role artificial intelligence can have in the detection of respiratory deterioration and management of respiratory condition, in both acute and long-term care.
- 3) To explore how advancements in monitoring have improved clinical and patient reported outcomes.

1.30pm – 3.00pm **SYMPOSIUM**

BTS AUDIT AND QUALITY IMPROVEMENT

Chaired by: Dr Mark Juniper (Swindon)

- 1.30pm 2024 overview of BTS QI and Audit Programme
Dr Mark Juniper (Swindon)
- 1.45pm Implications of the BTS National Respiratory Support Audit 2023
Dr Michael Davies (Cambridge)
- 2.05pm NIV QI collaborative in the West of England
Dr Rebecca Mason (Bath)
- 2.25pm BTS Model of Care for Complex Home Ventilation
Dr Ben Messer (Newcastle upon Tyne)
- 2.45pm Closing comments
Dr Mark Juniper (Swindon)

Learning objectives

- 1) Learn about the practical implications on local services of the BTS National Respiratory Audit.
- 2) Gain insight on collaborating to improve mortality in NIV.
- 3) Familiarise yourself with the new BTS Model of Care for Complex Home Ventilation.

1.30pm - 3.00pm **POSTER DISCUSSION: P169-P180**
"COMING UP FOR AIR" - SEVERE ASTHMA, FROM POLLUTION TO SERVICE DELIVERY

1.30pm - 3.00pm **POSTER DISCUSSION: P181-P192**
"CATCHING FIRE" - MEASURING AND TARGETING INFLAMMATION IN COPD

1.30pm - 3.00pm **POSTER DISCUSSION: P193-P204**
"LORD OF THE TRACHEAL RINGS" - INTERVENTIONAL BRONCHOSCOPY

1.30pm - 3.05pm **POSTER DISCUSSION: P205-P217**
"THE (RICHARD) LIGHT FANTASTIC" - PLEURAL DISEASE DIAGNOSIS AND OUTCOMES

1.30pm - 3.15pm **POSTER DISCUSSION: P218-P231**
"THE TB MANAGER" - CLINICAL PROBLEMS IN TB

3.15pm - 4.25pm **MODERATED POSTER DISCUSSION: M29-M42**
"THE IMPORTANCE OF BREATHING EARNEST" - CLINICAL COPD

3.15pm - 4.25pm **POSTER DISCUSSION: P232-P240**
"THE NUMBER ONE ASTHMA DETECTIVE AGENCY" - ASTHMA DIGANOSTICS

3.15pm – 4.45pm **SYMPOSIUM**
NEW DEVELOPMENTS IN SARCOIDOSIS

Chaired by: Dr Anjali Crawshaw (Birmingham) and Dr Ahmed Fahim (Wolverhampton)

- 3.15pm Fibrotic pulmonary sarcoidosis: mechanisms and management
Professor Ling-Pei Ho (Oxford)
- 3.45pm Biological predictors of disease behaviour and response to treatment
Professor Seamas Donnelly (Dublin)
- 4.15pm Sarcoidosis associated PH: when it goes bad
Dr Laura Price (London)

Learning objectives

- 1) To understand the latest diagnostic recommendations and advances in treatment of sarcoidosis, including the recent approval of infliximab for treatment of refractory sarcoidosis.
- 2) To understand the possible mechanisms, subtypes and management of fibrotic pulmonary sarcoidosis.
- 3) Understanding of pathogenesis of sarcoidosis associated PH including PVOD and vasculopathy.

3.15pm – 4.45pm **SYMPOSIUM**
SLEEP LATEST: ENDOTYPING, AF AND SOMETHING REMARKABLY DIFFERENT

Chaired by: Dr Akshay Dwarakanath (Wakefield) and Dr Swapna Mandal (London)

- 3.15pm Endotyping in OSA: is personalised care possible yet?
Professor Danny Eckert (Adelaide)
- 3.45pm OSA and AF: what do we know and what should we do?
Dr Eduard Shantsila (Liverpool)
- 4.15pm REM sleep behaviour disorder, biomarkers and the Holy Grail – neuroprotection
Professor Michele Hu (Oxford)

Learning objectives

- 1) To be updated on the latest research into endotyping and phenotyping in OSA and to understand this area's potential to enable large scale, personalised and effective treatment.
- 2) To be updated on evidence of the existence and nature of the link between OSA and AF, and to explore the case for screening for OSA in AF and vice versa.
- 3) To understand the nature and relevance of REM sleep behaviour disorder as a prodrome of Parkinson's disease, with a focus on biomarkers of phenotypic conversion and their role in neuroprotective research.

3.15pm - 4.50pm **SPOKEN SESSION: S153-S158**
"FOUNDATION'S EDGE" (2) - ROLE OF GENETICS IN IPF

3.15pm - 4.50pm **POSTER DISCUSSION: P241-P253**
"THE FELLOWSHIP OF THE FIT" - EXERCISE AND REHABILITATION

3.15pm - 5.00pm **POSTER DISCUSSION: P254-P267**
"GREAT EXPECTORATIONS" - CYSTIC FIBROSIS AND BRONCHIECTASIS

BTS SPECIALIST ADVISORY GROUPS (SAGs)

Open meetings of the BTS SAGs will take place during the Winter Meeting, and are open to all those registered to attend the Winter Meeting. Dates and times will be available on the BTS website and will be published in the final programme.

FUTURE BTS MEETINGS

Summer Meeting 2025

19 & 20 June,
Manchester

Winter Meeting 2025

26 to 28 November,
London



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