



WINTER MEETING 2024



**British
Thoracic
Society**

Symposia Programme and Conference Information

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

Abstract submission deadline: 23:59 on 27 June 2024
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 preliminary programme of lectures and major symposia 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.

The next programme update will be at the end of August, when the abstracts have been refereed and the spoken and discussed poster sessions are pulled together. Get your abstracts submitted for the end of June to contribute to our scientific programme! The spoken and poster abstract sessions provide great platforms for sharing the most up-to-date advances and they remain a key part of the meeting. I would encourage you to submit your very best work for presentation. For those that are eligible, please consider submitting your abstracts for the BTS/BALR/A+LUK Early Career Investigator Awards session, which is always a major highlight of the meeting. Submission of abstracts is open and the deadline is 23:59 on 27 June 2024.

Once again this year, we will be offering the BTS/A+LUK/BALR Lecture Awards for mid-career researchers. Look out for the opportunity to apply for these prestigious awards in the coming months.

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.

I look forward to welcoming you to the Winter Meeting 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

FULL PROGRAMME

The full programme, including all Spoken Sessions and Poster Discussions, will be available on the BTS website from early September, once abstracts have been refereed.

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

SUBMISSION OF ABSTRACTS

The final date for submission of abstracts for the 2024 Winter Meeting is **23:59 on Thursday 27 June 2024**, but you are encouraged to submit abstracts as early as possible before that date. The easy-to-use online submission system is available on the BTS website at www.brit-thoracic.org.uk. You will need to register first to use the system and then follow the instructions to submit your abstract online in a convenient and quick operation.

BTS MEDICAL STUDENT AWARDS

These prestigious prizes are highly competitive and are awarded to the very best basic, translational or clinical research performed in the UK respiratory community by medical students. The prizes are awarded based on the quality and content of the research performed, and the quality of the abstract submitted. Please visit the BTS website for further details and make your submission via the online abstract system. **Closing date: 23:59 on Thursday 27 June 2024.**

BTS/BALR/A+LUK EARLY CAREER INVESTIGATOR OF THE YEAR AWARDS

BTS, BALR and A+LUK jointly offer awards to help the careers of the most promising early career investigators carrying out original research in respiratory medicine and respiratory science during the past year. To qualify for consideration, you must be a UK based clinical or non-clinical researcher, usually under the age of 35* (but not consultant or senior lecturer grade), and the first named author of the abstract being submitted to the Winter Meeting.

Six abstracts will be shortlisted for presentation at a dedicated symposium on Wednesday 27 November. Three first prizes of £800 and three highly commended prizes of £200 will be awarded.

*Applicants will normally be under 35 years of age, although there will be some researchers who have taken career breaks and the Society encourages them to apply also. Please visit the BTS website for further details and submit via the abstract system. **Closing date: 23:59 on Thursday 27 June 2024.**

BTS/A+LUK/BALR LECTURE AWARDS

BTS, A+LUK and BALR are pleased to continue this important award, which will recognise the achievements of established respiratory researchers. Two awards will be presented in 2024, and the winners will be invited to give a prestigious lecture as part of a dedicated symposium at the 2024 Winter Meeting on Thursday 28 November.

The BTS/A+LUK Award is open to anyone conducting respiratory research in the UK (including all professions, clinical and non-clinical), with the expectation that the applicant should be a BTS member. It is anticipated that the winning applicant will be working within clinical and translational respiratory research.

The BTS/BALR award is open to all professions and is focused on translational/basic science, with the expectation that the applicant will be a member of BTS or BALR at the time of application.

It is anticipated that applicants will have an excellent track record in an area of respiratory research, with evidence of research impact and achievement including high impact publications, and have plans and potential for future outstanding contributions to respiratory science.

The awards are primarily aimed at mid-career researchers and it is therefore expected that applicants will be 50 years old or below at the time of application, but noting that career breaks and other factors may influence career stage, applications from all applicants will be considered.

Please visit the BTS website for further details and to submit your application. **Closing date: 23:59 on Thursday 30 May 2024.**

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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Insmed

Inspire Sleep

It's Interventional

Medtronic

Olympus Medical

Orion Pharma

Rocket Medical

Sanofi

Stirling Anglian

Pharmaceuticals

Vitalograph

PROGRAMME OF MAJOR SYMPOSIA

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 – 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 (Bournemouth) 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.

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.

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 Dr Hitasha Rupani (Southampton)

- 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**

Details to be confirmed.

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)

To be selected from abstracts

4.15pm – 4.45pm

BTS AWARD PRESENTATIONS

4.45pm – 5.30pm

BTS PRESIDENT'S ADDRESS

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 – 10.15am **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 Burton Dickey (Houston)

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.

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 – 12.30pm **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)

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.

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)

To be selected from abstracts.

4.15pm – 5.45pm

SYMPOSIUM

JOINT BTS/BPRS SYMPOSIUM

Details to be confirmed.

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
Claire Bettison (Bodmin), 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.

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 – 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 (Glasgow)
- 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 (Manchester) and Dr Barnaby Hirons (London)

- 8.30am The placebo effect and designing the ideal clinical trial for cough
Dr Imran Satia (Ontario)
- 9.00am New antitussive drugs
Professor Lorcan McGarvey (Belfast)
- 9.30am Treating cough without drugs: the future of non-pharmacological cough suppression therapy
Dr Sarah Chamberlain Mitchell (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.

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.

12.30pm – 1.15pm **GUEST LECTURE**

BTS CLINICAL LECTURE

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.

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.

FUTURE BTS MEETINGS

Summer Meeting 2025

19 & 20 June,
Manchester

Winter Meeting 2025

26 to 28 November,
London



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