



The Union

**WORLD CONFERENCE  
ON LUNG HEALTH 2022**

COMBATING PANDEMICS:  
TODAY & TOMORROW

Virtual Event November 8-11

## Introduction

About the Union World Conference on Lung Health 2022

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[Register for #UnionConf](#)

# The Union World Conference has paved the way for a raft of emerging solutions to remove barriers for better global lung health for all.

This year's conference programme will galvanise our community towards the creation of inclusive policies backed by data, ensuring the cutting-edge evolution of care and prevention against existing disease, while averting future pandemics.

With the combined power of our community, we can ensure global health priorities are informed by the latest breakthroughs and most robust science – all within a people-centred approach that enables more equitable access to therapies and diagnostics across the world.

### Grow your knowledge

This, our 53rd annual event, offers a chance to grow your knowledge with insights that factor in environmental influences from experts in microbiology, immunology, molecular biology, pharmacology, epidemiology and mathematical modelling. You will add your voice to debates on the impact of gender and stigma, driving innovations that help us all advocate more strongly for those communities most acutely affected by lung health pandemics. And for the first time this year, hear from a diverse mix of youth representatives who are channelling their energy and passion into making change on factors such as air pollution, so progress can be sustainable for the long term in our mission for better health.

Symposia sessions will cover topics as wide-ranging as

developments in tuberculosis research, adult and child lung health, tobacco control and civil society. There are 37 to choose from, along with 34 oral abstracts, 41 e-poster groups, and five workshops and postgraduate course sessions.

Covid-19 highlighted how crucial it is to work together across geo-political and social boundaries, and with a fast-increasing global population, we know we're in a race against time to minimise the impact of future pandemics and bring us all closer to freedom from the devastating threat of deadly diseases such as TB, lung disease, asthma and Covid-19.

### Spread the word

Thank you for playing a part in providing a safer and healthier world. We request you to talk about and spread word of this year's varied #UnionConf programme, before, during and after the event. The more people know, the more we share and together we can create a wave of action to carry our work further.



**Highlights to look  
forward to**  
#UnionConf

**WORLD CONFERENCE ON LUNG HEALTH**  
8-11 NOVEMBER 2022  
[WWW.WORLIDLUNGHEALTH.ORG](http://WWW.WORLIDLUNGHEALTH.ORG)

**8**  
November  
2022

**9**  
November  
2022

**10**  
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2022

**11**  
November  
2022

**Plenary sessions**

**14:00 - 15:00 CET**

Preparing for the next pandemic.

**14:00 - 15:00 CET**

It's time to rethink respiratory disease transmission and how to prevent it.

**14:00 - 15:00 CET**

Asthma in low-income and middle-income countries.

**14:00 - 15:00 CET**

Novel Nicotine and Cannabis Products: Health Effects and Policy Considerations.

**Special sessions**

**15:00 - 16:30 CET**

Lack of zoonotic disease control leads to pandemics: What are we missing?

**15:00 - 16:30 CET**

Who calls the shots on TB research and control?

**15:00 - 16:30 CET**

Accelerating achievement of the End TB Targets and improving quality of life by addressing TB and disability.

**15:00 - 16:30 CET**

Meals as Medicines: is nutritional supplementation a critical adjunct therapy for tuberculosis?

**17:00 - 18:30 CET**

Maternal TB: Current Status, Research Gaps and the Way Forward.

**Top 10 (Highest Scoring) Abstracts**

**13:30 - 13:50 CET**

Digital adherence monitoring of tuberculosis treatment in Ukraine: analysis of adherence levels and patient-provider communication before and during the war in Ukraine.

**11:00 - 12:20 CET**

Facilitating and inhibiting factors for the introduction of digital adherence tools for TB care: analysis of pilot data from a multi-country, cluster randomized trial.

**12:30 - 13:50 CET**

The simple one step stool processing method to diagnose tuberculosis in children: data from a pilot study in general hospitals in Southern Ethiopia.

**15:00 - 16:20 CET**

Assessing the use of a Vietnamese stigma scale among people with drug-susceptible - tuberculosis in Vietnam.

**16:30 - 17:50 CET**

Household Costs Incurred Under Two Service-Delivery Models of Tuberculosis Preventive Therapy for Children: A Survey in Cameroon in Uganda.

**15:00 - 16:20 CET**

Baseline and Acquired Resistance to Bedaquiline, Linezolid and Pretomanid, and Impact on Treatment Outcomes in Four Pretomanid-Containing Clinical Trials.

**16:30 - 17:50 CET**

Facility-based TB Mentors Improve Childhood TB Diagnosis: Experience from Eradicate TB Project, Zambia.

**16:30 - 17:50 CET**

The impact of COVID-19 on TB testing and diagnosis in children and adolescents in the Western Cape Province, South Africa.

**16:30 - 17:50 CET**

Client-centered interventions to reach persons at high risk of TB: lessons from Kampala, Uganda.

**16:30 - 17:50 CET**

Integrating tuberculosis screening into the national immunization program to improve childhood tuberculosis: result from a study in Anambra state, south-east Nigeria.

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**Top sessions**  
**on Union LIVE**

**10:30 CET**

Opening Ceremony.

**12:30 – 14:00 CET**

Words Matter: Strengthen National TB Responses Through Empowering TB Language - Hosted by Stop TB.

**15:30 to 17:30 CET**

Parliamentarian role in pushing for accountability - lessons learned as we prepare for UNHLM 2023.

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**15:00 - 16:30 CET**

WHO Global TB Report 2022 (Deep Dive).

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**15:00 - 16:20 CET**

RIT/JATA student late-breaker on lung health.

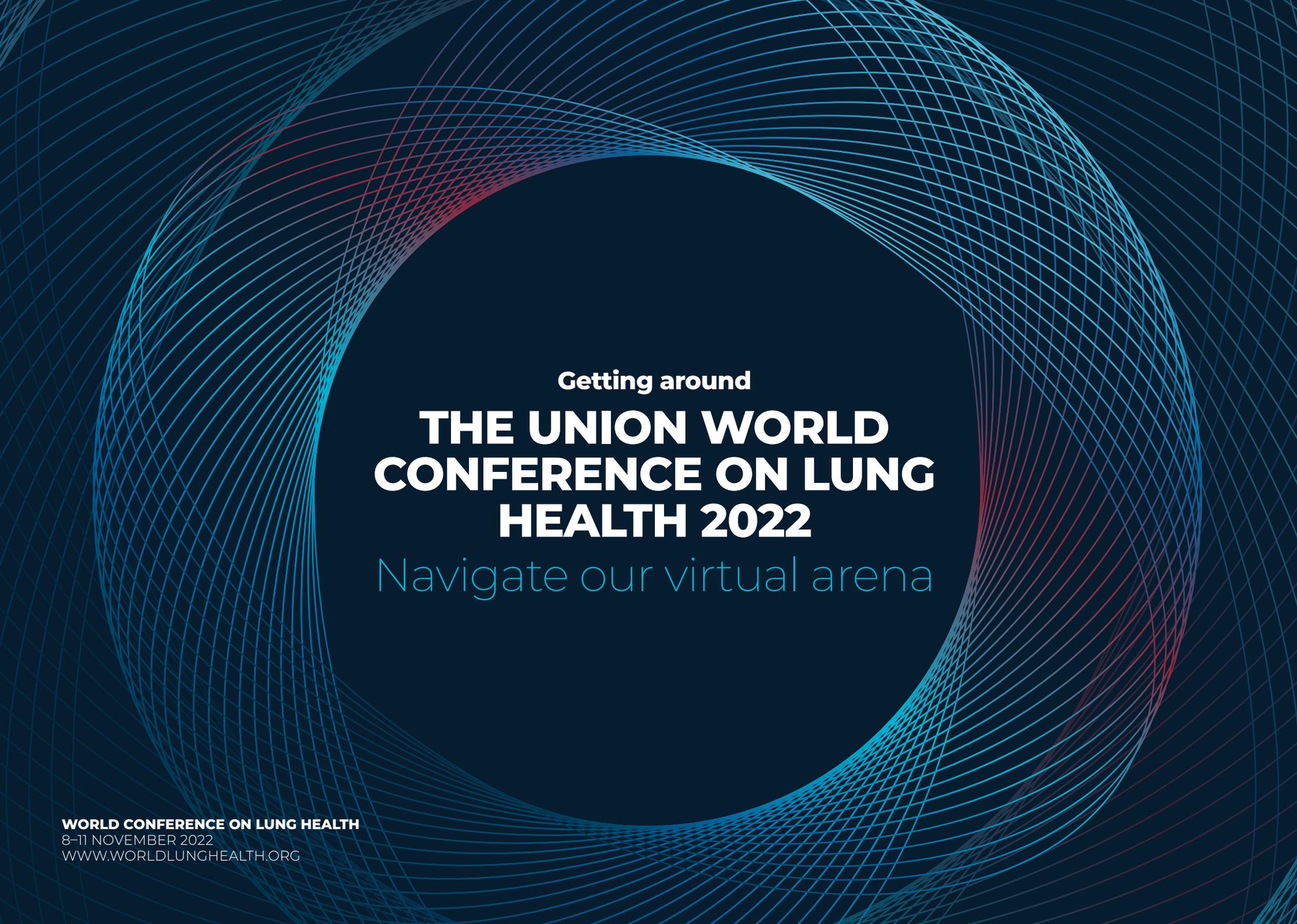
**11**  
**November**  
**2022**

**All day CET**

Youth4LungHealth.

**18:15 CET**

Closing ceremony.



Getting around  
**THE UNION WORLD  
CONFERENCE ON LUNG  
HEALTH 2022**

Navigate our virtual arena

There is a great deal to take in and we would encourage you to be curious, take your time and explore the Conference Virtual Platform.

The #UnionConf is a big event, so below will help you navigate through it. The more time you put in, we know the more you will discover and learn from the #UnionConf.

**Date**

The #UnionConf will take place virtually over four days from Tuesday 8th to Friday 11th November 2022.

**Time**

The #UnionConf will start every day at 09:30 CET and end at 19:45 CET.

**Access**

**Paid Access** - To enjoy full access to the conference you need to register.

**Open Access** - However, certain sections of the Conference are open access such as Community Connect and Youth4LungHealth -- you still need to register but there is no charge. Survivors of TB get sponsored registration to the #UnionConf. Please visit the #UnionConf registration page for more information.

**Plenary Sessions**

These keynote sessions will be broadcast across all channels every day at 14:00 CET.

**Exhibition Area**

As with a physical conference, we have a large exhibition area where over 35 of our partners companies and organisations have digital display areas with not only the latest products and services on show but also, they are on hand during the conference to chat with, answer questions and provide advice.

You can set up one-to-one meetings either during the conference or afterwards at a time that suits you. They are there to give you personal service and assistance.

The Union would like to thank our sponsors for their partnership and support, ahead of the #UnionConf 2022.

Full details of the programme can be found [here](#):

**[theunion.floq.live/kiosk/worldconf2022/dailyprogramme](https://theunion.floq.live/kiosk/worldconf2022/dailyprogramme)**

**Please note:** To attend the full programme sessions, you need to be registered. There are also open access pre- and post-conference activities such as post-graduate courses and workshops.

### Channels

Eight channels will broadcast simultaneously throughout the day:

**5** Scientific Channels      **1** TBScience Channel      **1** Community Connect Channel

And Union LIVE ([www.theunion.live](http://www.theunion.live)) (including Plenary Sessions)

#### Scientific Channels

(Here you will find)

- Meet The Expert Sessions
- Satellite Sessions
- Special Sessions
- Symposia
- Oral Abstract Sessions.

#### TBScience Channel

Here you will find all the cutting edge TBScience Sessions.

#### Community Connect Channel

This will be the voice of affected lung health communities from across the world, covering a wide range of subjects is presented. Community Connect promotes advocacy and action.

#### Union LIVE

This channel has a wide range of special session and includes a WHO 'deep dive' session on their Global TB Report 2022, Stop TB Partnership 'Words Matter' session and a Global TB Caucus session on the role of parliamentarians in pushing for accountability ahead of the UN High Level Meeting on TB in 2023.

Youth4LungHealth will take over Union LIVE on Friday 11 November and brings together a brand-new initiative giving a strong voice and role to people under 35. However, the message they bring is relevant to everyone.

Every evening, Union LIVE concludes with a Rapporteur Session that will give an overview of some of the most interesting and thought-provoking sessions from the #UnionConf that day.

#### Session Format

Most sessions have a live introduction, several pre-recorded presentations and then time for a live Q&A to encourage discussion and interaction.

Interaction will be possible with other delegates, including speakers and chairs. There is a separate chat function which will be open for comments and questions and will be addressed live.

#### E-posters

Over 400 e-posters are available throughout the #UnionConf. You can access the full list and how to view the e-posters in the Conference Programme, including TBScience e-posters. A new and improved format has been created this year and will allow deferred interaction with the presenter, there is also a chat function as well.

#### Workshops and Post-graduate Courses

A series of workshops and post-graduate courses connected to the conference are running from Thursday 13 October to Friday 22 November 2022. You can read more information and how to [register here](#).

#### Continuing Medical Education (CME)



The Union World Conference on Lung Health, to be held virtually, has been accredited by the European Board for Accreditation in Pneumology (EBAP) with 35 continuing medical education (CME) credits.

The Union World Conference on Lung Health, Virtual, France, 08/11/2022-11/11/2022 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 20 European CME credits (ECMEC@s).

#### Technical Queries

Please contact [cc.unionworldconference@gmail.com](mailto:cc.unionworldconference@gmail.com)

#### General Queries

Please contact [conferences@theunion.org](mailto:conferences@theunion.org)

#### Other Queries

**Registration:**  
[registration@theunion.org](mailto:registration@theunion.org)

**Programme:**  
[scientific@theunion.org](mailto:scientific@theunion.org)

**TBScience:**  
[tbscience@theunion.org](mailto:tbscience@theunion.org)

**Community Connect:**  
[communityconnect@theunion.org](mailto:communityconnect@theunion.org)

**Youth4LungHealth:**  
[youth4lunghealth@theunion.org](mailto:youth4lunghealth@theunion.org)

#### Stay Informed and up to date

**Conference website:** [www.worldlunghealth.org](http://www.worldlunghealth.org)  
Facebook, Twitter, LinkedIn and Instagram.



### The conference does not end on Friday 11 November

All registered delegates have access to all the conference recordings until 31 March 2023. You can watch, re-watch and study sessions at your own leisure online at:

**[theunion.floq.live](http://theunion.floq.live)**

# Harness your network and make our collective voice louder

## Spread the word on social media

Tell the world you're attending #UnionConf2022, and tag us on LinkedIn as well as on Facebook, Twitter, and Instagram.



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**Harness your network and make  
our collective voice louder**

As one of thousands of global delegates attending this year's event, you're already changing the game on lung health globally.

But we need more people to hear and join our call to end poor lung health, so tomorrow we can all breathe easier.

#### **Encourage attendance**

Ensure those you know that work within public health, TB, lung health research and delivery, and all related areas, know about our packed four-day fully accessible online programme of opportunity, improvement and community.

They can book their place at:

**[www.conf2022.theunion.org/registration](http://www.conf2022.theunion.org/registration)**

#### **Below is some sample copy you might want to share with your contacts**

##### **Join me at the Union World Conference on Lung Health**

This year's conference, a virtual four-day event on Combating Pandemics: Today & Tomorrow from Tuesday 8 November will allow us to identify and progress emerging solutions that pave the way for better global lung health for all.

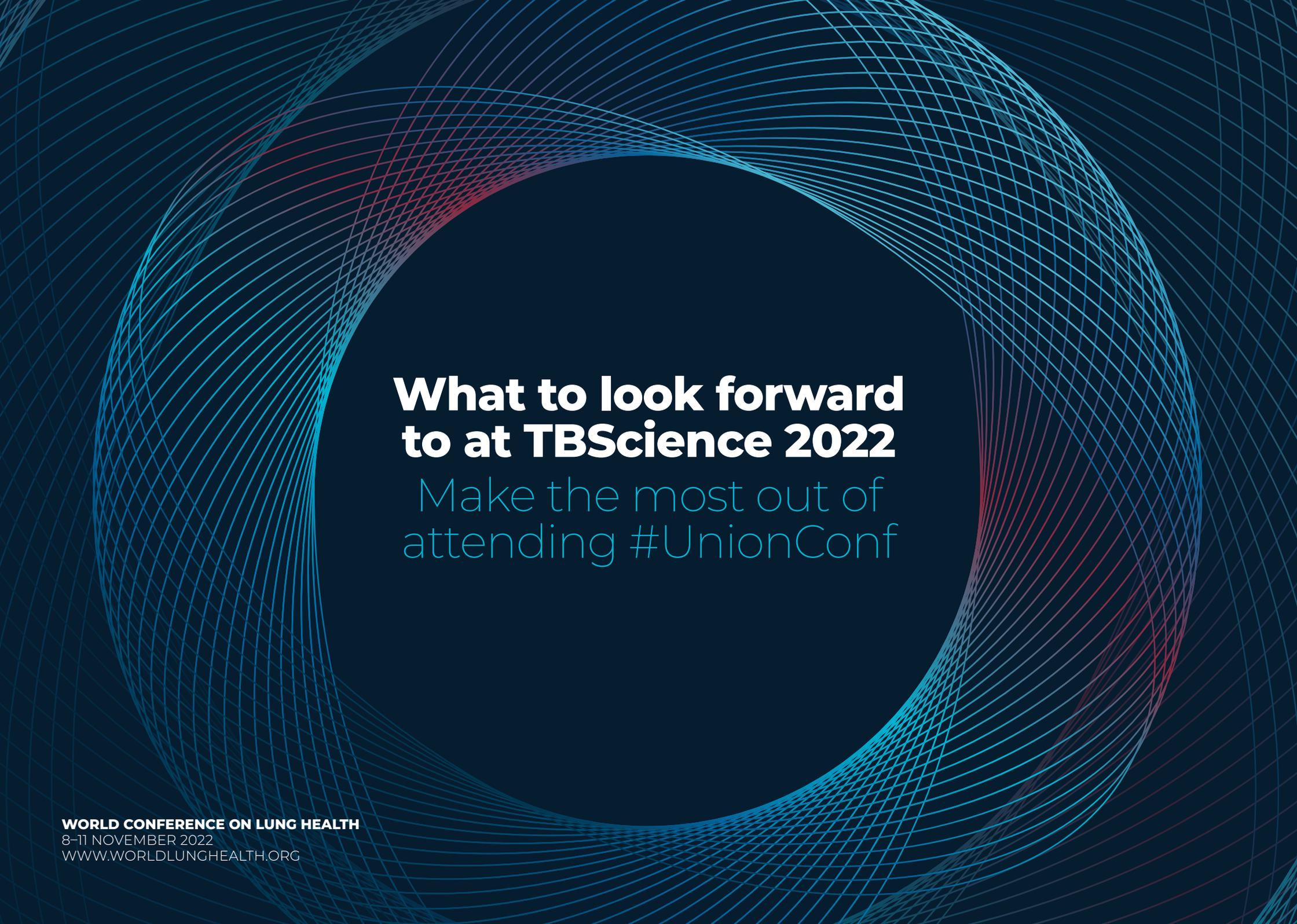
- Thought-provoking, research-led insight from specialists across the globe, addressing new and emerging challenges in the world of TB and lung health, and
- Ongoing opportunities to build and strengthen your network and your knowledge.

By joining me and hundreds of experts you'll advance debates on the impacts of issues such as gender and stigma, and drive innovations that help us all advocate more strongly for those communities most acutely affected by lung health pandemics.

And for the first time this year, hear from a diverse mix of youth representatives who are channelling their energy and passion into making change on factors such as air pollution, so strides can be sustainable for the long term in our battle for better health.

Register your place at [theunion.org/registration](http://theunion.org/registration) and sign up to the newsletter at [mailchi.mp/theunion/sign-up](mailto:mailchi.mp/theunion/sign-up), for:

You can also find out more by following The Union Conference on Facebook, Twitter, LinkedIn and Instagram.



# **What to look forward to at TBScience 2022**

Make the most out of  
attending #UnionConf

**8**  
November  
2022

**TBScience 2022**

**16:48 - 16:56 CET**

Systemic Influenza Infection Impairs Whole Blood Mycobacterial Control in a Human Challenge Study.

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**16:30 - 16:41 CET**

Isolation of Viable Aerosolized Mycobacterium Tuberculosis During TB Therapy and Transient Infection.

**16:41 - 16:49 CET**

Samples Collected and Quantified by qPCR Show Tongue Swabs May Approach Sensitivity of Sputum-based TB Dx.

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**15:03 to 15:23 CET**

How big data are transforming TB research.

**15:33 to 15:43 CET**

Remote monitoring and reporting of digital diagnostics.

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**15:45 to 16:05 CET**

Bacteriophage treatment of mycobacteria.

**Contribute at  
Community Connect**

**12:30 - 13:15 CET**

Shame Dies When Stories Are Told in Safe Spaces: TB Survivor Stories by Global Coalition of TB Activists (GCTA).

**17:00 - 17:45 CET**

Taking TB research literacy online.

**14:00 - 14:45 CET**

Mobilising the Political Power of Clinicians and Researchers: The Experience of UK Academics & Professionals to End TB.

**15:00 - 15:45 CET**

Researchers Sharing with Communities Part 1): Shorter Regimens for Drug-Sensitive TB by Treatment Action Group (TAG).

**Hear from Youth  
4 Lung Health**

**11:45 - 13:15 CET**

World Health Organization (WHO) Interactive Youth Workshop on Capacity Building and Advocacy to End TB.

**13:30 - 14:00 CET**

Harnessing Social Media and Recognising Human Rights.

**15:00 - 15:30 CET**

Youth Tuberculosis and Community Champions - India.

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**Late-breaker  
Sessions**

**9**  
November  
2022

**12:30 – 13:50 CET**

The Union Late-Breaker on COVID-19.

**12:35 – 12:43 CET**

Evaluating the clinical impact of nitazoxanide in patients with mild-to-moderate COVID-19: a randomised controlled trial (the C3-RCT).

**12:43 – 12:51 CET**

Impact of COVID-19 on mortality trend (2016–2021) in the Rio de Janeiro State prison system, Brazil.

**12:51 – 12:59 CET**

Predictors of SARS-CoV-2 culture conversion in a university-based cohort.

**12:59 – 13:07 CET**

Global opinions on SARS-CoV-2 Ag RDT self-testing policy and implementation: a cross-sectional survey.

**13:07 – 13:15 CET**

CM-101 treatment in patients with lung damage due to COVID-19 -reduced inflammatory and fibrotic biomarkers.

**13:15 – 13:23 CET**

Epidemiological analysis of mortality among COVID-affected TB patients in Ukraine.

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2022

**15:00 – 16:20 CET**

RIT/JATA student late-breaker on lung health.

**15:05 – 15:20 CET**

Asthma knowledge among Bangladeshi outpatients with asthma.

**15:20 – 15:35 CET**

Identifying best practices for offering telephonic adherence support to people on treatment for TB or HIV and/or TB preventive therapy.

**15:35 – 15:50 CET**

Age-associated tissue-specific amino acid and immune cell dysregulation in Mycobacterium tuberculosis-infected C57BL/6 mice.

**15:50 – 16:05 CET**

Development of a costing and cost-effectiveness framework for comparing use of TST and IGRA among high TB burden populations.

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**16:30 – 17:50 CET**

The Union/CDC late-breaker session on TB.

**16:35 – 16:42 CET**

Pharmacokinetics and optimised dosing of novel dispersible and non-dispersible levofloxacin formulations in children.

**16:42 – 16:49 CET**

Optimised delivery of isoniazid-rifapentine for TB prevention among people living with HIV: the 3HP Options Trial.

**16:49 – 16:56 CET**

Effects of oral hygiene and food intake on oral swab qPCR results in South African TB patient.

**16:56 – 17:03 CET**

Changes in immune gene expression in rifampicin-susceptible TB following treatment with GSK3036656.

**17:03 – 17:10 CET**

Community-based directly observed therapy is effective and results in better treatment outcomes for patients with multidrug-resistant TB in Uganda.

**17:10 – 17:17 CET**

High rate of successful outcomes in treating rifampicin-resistant TB with a delamanid-bedaquiline regimen in BEAT TB.

**17:17 – 17:24 CET**

Phase 2a trial of GSK3036656 in rifampicin-susceptible, pulmonary tuberculosis: PET/CT scan results.

**17:24 – 17:31 CET**

National expenditure on TB and TB incidence in low- and middle-income countries: an ecological study.

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