Welcome to the 5th World Bronchiectasis Conference!

Dear colleagues and Friends,

It is our great pleasure to invite you to take part in the 5th World Bronchiectasis & NTM Conference that will be held in Prague from June 30th to July 2nd, 2022.

During this biennial appointment for the World Bronchiectasis & NTM Conference, that became a tradition, the small but very committed world community of scientists and experts in the field will meet again to exchange and learn about the novelties in diagnosis, management and treatment of these complex pathologies which are still often misdiagnosed and even more often overlooked.

While the knowledge in regard to the World Respiratory Medicine, Infectious Diseases and related Specialists is improving and while we advance in the understanding of the physiopathology, epidemiology and management outcomes, the need to share knowledge and especially experience increase and the demand for further research emerges.

Within Bronchiectasis, new definition and new research studies are providing interesting insights about the inflammatory mechanism, while on NTM side, the publication of ATS/ERS/ESCMID/IDSA Guidelines in 2020 and their update expected in 2022 provide new tools to improve the management of patients.

Furthermore the need to have the patients managed by a multidisciplinary team to ensure the best outcome possible, creates the urge within the professionals to develop or improve soft skills, in order to be effectively able to communicate different points of view and collaborate on complex and sometimes very difficult cases where age, personal situation and comorbidities can change the approach of the pathology and the management of the patient. These skills will be the object of the training held during the pre-congress post graduate courses and will be illustrated in the main programme by real – life cases.

As always, the programme includes the possibility for young researchers and clinicians to arise out of the international context by presenting their valuable works during the Rising Stars session, while the most interesting abstracts presented by the scientific community will be included in the oral presentation session or in the poster presentation sessions.

Joining forces, exchanging clinical experiences, sharing data and tools, to enforce the network of active experts in the field are the main goals of the conference and therefore we hope to meet you in person in Prague (or have you remotely connected) starting from the 30th of June!

The Organizing Committee

Stefano Aliberti (Italy)  Francesco Blasi (Italy)  James D. Chalmers (UK)
SPECIALTIES

The Conference Programme has been designed to fulfill the educational and updating needs of the professionals operating in the following specialties:

- Respiratory Medicine
- Infectious Diseases & Virology
- Internal Medicine
- Paediatrics
- Microbiology
- Radiology
- Physiotherapy
- Specialised Nurses

VENUE

VIENNA HOUSE ANDEL’S PRAGUE

Address: Stroupezniceho 21. 15000 Prague

Website: https://www.viennahouse.com/en/andels-prague/the-hotel/overview.html

WEBSITE

https://www.world-bronchiectasis-conference.org/

ORGANISER

EMBARC
The European Bronchiectasis Registry
Organising Committee

Stefano Aliberti (Italy)
Francesco Blasi (Italy)
James D. Chalmers (UK)

Scientific Committee

Timothy Aksamit (US)
Kristian Brat (Czech Republic)
Raja Dhar (India)
Stuart Elborn (UK)

Pieter C. Goeminne (Belgium)
Wei-Jie Guan (China)
Charles S. Haworth (UK)
Michael Loebinger (UK)
Lucy Morgan (Australia)

Michal Shteinberg (Israel)
Antoni Torres (Spain)
Montserrat Ventura (Spain)
Tobias Welte (Germany)
Airways Inflammation
Artificial Intelligence

BRONCHIECTASIS

Covid-19
Cystic Fibrosis
Epidemiology
Etiology
Exacerbations
Imaging
Immunology
Inhaled Antibiotics
International Guidelines
Microbiome

NTM
Paediatrics
PCD / Cilia
Treatments
Faculty

Timothy Aksamit (US)
Zina Alfahl (UK)
Stefano Aliberti (Italy)
Andrea Aliverti (Italy)
Marta Almagro (Spain)
Claire Andrejak (France)
Rodrigo Athanazio (Brazil)
Francesco Blasi (Italy)
Mathieu Bottier (France)
Judy Bradley (UK)
Kristian Brat (Czech Republic)
Chris Brightling (UK)*
Erin Cant (UK)
James D. Chalmers (UK)
Anne Chang (Australia)
Yoon Kyung (Rachel) Chang (Australia)
Sanjay Chotirmall (Singapore)
Mario Clerici (Italy)
M. Leigh Anne Daniels (US)
Antony De Soyza (UK)
Raja Dhar (India)
Katerina Dimakou (Greece)
Stuart Elborn (UK)
Charles Feldman (South Africa)
Ilaria Ferrarotti (Italy)
Andres Floto (UK)
Pieter C. Goeminne (Belgium)
Andrea Gori (Italy)
David Griffith (US)
Wei-Jie Guan (China)
Shirley Harwood (UK)
Charles S. Haworth (UK)
Adam Hill (UK)
Vladimir Koblizek (Czech Republic)
Zichuan Li (China)
Michael Loebinger (UK)
Jane Lucas (UK)
Pamela J. McShane (US)
Mark Metersky (US)
Lucy Morgan (Australia)
Jayanth K. Narayana (Singapore)
Anne O’Donnell (US)
Kenneth Olivier (US)
Petr Pohunek (Czech Republic)
Jelmer Raaijmakers (The Netherlands)
Mark Schoenfisch (USA)
Amelia Shoemark (UK)
Michal Shteinberg (Israel)
Oriol Sibila (Spain)
Ivan Solovic (Slovakia)
Gregory Tino (US)
Antoni Torres (Spain)
Jakko van Ingen (The Netherlands)
Montserrat Vendrell (Spain)
Tobias Welte (Germany)
Kevin Winthrop (US)

* To be confirmed
SCIENTIFIC PROGRAMME

Thursday JUNE 30th, 2022

14.00 – 17.00 ROUND TABLES

Faculty and participants will discuss real-life cases presented by participants.
Each participant can attend two different round table during the period.

Pre-registration is mandatory
places are limited to 30 per round table - first come first served.

14.00–15.30  FIRST ROUND – Real-Clinical Cases Discussion

Room A  Difficult to treat pathogens
Faculty: Charles S. Haworth (UK)

Room B  Difficult to treat NTM
Faculty: David Griffith (US), Jakko van Ingen (The Netherlands)

Room C  Supported Round Table (see detail page 16)

Room D  Management of Exacerbations in bronchiectasis
Faculty: Adam Hill (UK), Pamela J. McShane (US)

15.30–17.00  SECOND ROUND - Real-Clinical Cases Discussion

Room A  Difficult to treat pathogens
Faculty: Charles S. Haworth (UK)

Room B  Difficult to treat NTM
Faculty: David Griffith (US), Jakko van Ingen (The Netherlands)

Room C  Supported Round Table (see detail page 16)

Room D  Management of Exacerbations in bronchiectasis
Faculty: Adam Hill (UK), Pamela J. McShane (US)

17.00–17.30  WELCOME COFFEE
Thursday JUNE 30th, 2022

17.30-17.45  **Opening address**

17.30 - 17.40  Opening Addresses  
Stefano Aliberti (Italy), Francesco Blasi (Italy), James D. Chalmers (UK)
17.40 - 17.45  World Bronchiectasis Day  
Timothy Aksamit (US)

17.45-18.30  **Opening lecture**

**Chairs: Francesco Blasi (Italy), James D. Chalmers (UK)**
17.45 - 18.15  Moving forward in the Post Covid Era  
Stuart Elborn (UK)
18.15 - 18.30  Discussion

18.30-19.30  **ROUND TABLE: Bronchiectasis Management Worldwide: what’s common, what’s different, what can we learn?**

**Moderator: Stefano Aliberti (Italy)**
Discussants:  
Rodrigo Athanazio (Brazil), Raja Dhar (India), Charles Feldman (South Africa), Lucy Morgan (Australia), Anne O’Donnell (US), Michal Shteinberg (Israel), Oriol Sibila (Spain)

Final Sum-up by: Stefano Aliberti & James D. Chalmers

19.30-20.00  **Lecture**

**Chairs: Stefano Aliberti (Italy), Kristian Brat (Czech Republic)**
19.30-19.50  NTM in Central Europe: state of the art and challenges  
Ivan Solovic (Slovakia)
19.50-20.00  Discussion

20.00  **WELCOME SESSION**
# Friday July 1st, 2022

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Chair(s)</th>
<th>Presenters</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.30-9.10</td>
<td>Keynote Lecture 1</td>
<td>Timothy Aksamit (US)</td>
<td><strong>Impact of climate change on respiratory infections</strong>&lt;br&gt;Andrea Gori (Italy)</td>
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<tr>
<td>8.30-9.00</td>
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<tr>
<td>9.00-9.10</td>
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<td><strong>Discussion</strong></td>
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<tr>
<td>9.10-10.00</td>
<td>Rising Stars Session with award</td>
<td>Stefano Aliberti (Italy), Francesco Blasi (Italy), James D. Chalmers (UK)</td>
<td><strong>Sputum microbiome and clinical outcome measures in bronchiectasis:</strong>&lt;br&gt;Data from the BRONCH UK Study&lt;br&gt;Zina Alfahl (UK)</td>
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<tr>
<td>9.10-9.25</td>
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<tr>
<td>9.25-9.30</td>
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<td></td>
<td><strong>Discussion</strong></td>
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<tr>
<td>9.30-9.45</td>
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<td><strong>Rifampicin has no clear role in the standard regimen for M. avium complex lung disease - A hollow-fibre study with genome-wide transcriptional analysis.</strong>&lt;br&gt;Jelmer Raaijmakers (The Netherlands)</td>
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<tr>
<td>9.45-9.50</td>
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<td><strong>Discussion</strong></td>
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<tr>
<td>9.50-10.00</td>
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<td><strong>Awards Ceremony to the Rising Stars</strong>&lt;br&gt;Delivery of David Serisier Award for Bronchiectasis – presented by Lucy Morgan (Australia)&lt;br&gt;Delivery of Won-Jung Koh Award for NTM – presented by David Griffith (US)</td>
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<tr>
<td>10.00-10.30</td>
<td>Keynote Lecture 2</td>
<td>Gregory Tino (US)</td>
<td><strong>TB, traction and tricky bronchiectasis</strong>&lt;br&gt;Raja Dhar (India)</td>
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<td>10.00-10.20</td>
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<tr>
<td>10.20-10.30</td>
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<td></td>
<td><strong>Discussion</strong></td>
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<tr>
<td>10.30-11.00</td>
<td>Coffee Break</td>
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### Friday JULY 1st, 2022

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.00-12.40</td>
<td><strong>S.2 Management of bronchiectasis comorbidities</strong>&lt;sup&gt;1&lt;/sup&gt;</td>
<td><strong>Chairs:</strong> Anne O’Donnell (US), Tobias Welte (Germany)</td>
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<tr>
<td>11.00-11.20</td>
<td><strong>Bronchiectasis and COPD overlap management - reality or fiction - data from Czech Multicenter Research Database of COPD</strong></td>
<td>Vladimir Koblizek (Czech Republic)</td>
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<tr>
<td>11.20-11.40</td>
<td><strong>Emerging understandings on the impact of rare SERPINA1 mutations and their clinical manifestations in rare lung diseases.</strong></td>
<td>Ilaria Ferrarotti (Italy)</td>
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<tr>
<td>11.40-12.00</td>
<td><strong>Severe Asthma: T2 high and T2 low</strong></td>
<td>Stefano Aliberti (Italy)</td>
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<tr>
<td>12.00-12.20</td>
<td><strong>Autoimmune diseases: from RA to IBD</strong></td>
<td>Antony De Soyza (UK)</td>
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<tr>
<td>12.20-12.40</td>
<td><strong>Discussion</strong></td>
<td>Discussant: Kristian Brat (Czech Republic)</td>
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<tr>
<td>12.40-14.10</td>
<td><strong>LUNCH BREAK &amp; STROLLING POSTER SESSION</strong></td>
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<tr>
<td>14.10-15.30</td>
<td><strong>S.3 Bronchiectasis and Cystic Fibrosis: something more than Pseudomonas</strong>&lt;sup&gt;2&lt;/sup&gt;</td>
<td><strong>Chairs:</strong> Michael Loebinger (UK), Antoni Torres (Spain)</td>
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<tr>
<td>14.10-14.30</td>
<td><strong>Spectrum of fungal diseases</strong></td>
<td>Sanjay Chatirmall (Singapore)</td>
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<tr>
<td>14.30-14.50</td>
<td><strong>Viral infections</strong></td>
<td>Wei-Jie Guan (China)</td>
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<tr>
<td>14.50-15.10</td>
<td><strong>NTM infections</strong></td>
<td>Claire Andrejak (France)</td>
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<tr>
<td>15.10-15.30</td>
<td><strong>Discussion</strong></td>
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</table>

<sup>1</sup> The schedule includes sessions on the management of bronchiectasis comorbidities, with a focus on overlap with COPD, understanding rare SERPINA1 mutations, severe asthma, andautoimmune diseases. The day concludes with a discussion session.

<sup>2</sup> The afternoon session will cover a spectrum of fungal diseases, viral infections, NTM infections, and conclude with a discussion.
15.30-16.00  COFFEE BREAK

16.00-17.25  ORAL PRESENTATIONS

**Chairs:** Lucy Morgan (Australia), Michal Shteinberg (Israel)

16.00-16.25  INTRODUCTORY LECTURE: Efficacy and safety of colistimethate sodium delivered by the I-neb in patients with bronchiectasis and Pseudomonas aeruginosa infection: the PROMIS phase III trials
  
  Charles Haworth (UK)

16.25-16.40  Characterisation of Ciliary Function in a European Cohort of Bronchiectasis Patients: The EMBARC-BRIDGE cilia study
  
  Mathieu Bottier (France)

16.40-16.55  A Th2 endotype in bronchiectasis associated with impaired cilia function
  
  Erin Cant (UK)

16.55-17.10  Impact of ciprofloxacin treatment on Pseudomonas aeruginosa phenotypes in vitro
  
  Zichuan Li (China)

17.10-17.25  Preclinical evaluation of a nitric oxide-releasing prodrug as a treatment for chronic Mycobacterium abscessus infections
  
  Mark Schoenfisch (USA)

*Each presentation will be 10’ long followed by a 5’ discussion time*
Friday JULY 1st, 2022

17.25-18.25  Sponsored lecture (see page 16)

18.25-19.05  Keynote Lecture 3

Chair: Michael Loebinger (UK)

18.25-18.55  Artificial intelligence in the radiological diagnosis of bronchiectasis
Andrea Aliverti (Italy)

18.55-19.05  Discussion
Saturday, JULY 2\textsuperscript{nd}, 2022

\begin{tabular}{|c|c|}
\hline
8.30-9.00 & \textbf{Patients voices} \\
\hline
\multicolumn{2}{|l|}{\textit{Chairs: Katerina Dimakou (Greece), Montserrat Vendrell (Spain)}} \\
\hline
8.30-8.45 & \textbf{How to live with Bronchiectasis} \\
& Marta Almagro (Spain) \\
8.45-9.00 & \textbf{How to live with NTM} \\
& Shirley Harwood (UK) \\
\hline
9.00-10.15 & \textbf{S.4 Respiratory Immunology} \\
\hline
\multicolumn{2}{|l|}{\textit{Chairs: Mario Clerici (Italy), Pamela J. McShane (US)}} \\
\hline
09.00-09.20 & \textbf{Innate and adaptive immunity in bronchiectasis and NTM} \\
& Kenneth Olivier (US) \\
09.20-09.40 & \textbf{Spectrum of patients with immunodeficiencies} \\
& Michal Shteinberg (Israel) \\
09.40-10.00 & \textbf{System biology: a new approach} \\
& Chris Brightling (UK) \\
10.00-10.15 & \textbf{Discussion} \\
\hline
10.15-10.45 & \textbf{COFFEE BREAK} \\
\hline
10.45-11.20 & \textbf{Keynote Lecture 4} \\
\hline
\multicolumn{2}{|l|}{\textit{Chair: Lucy Morgan (Australia)}} \\
\hline
10.45-11.10 & \textbf{Bronchiectasis in children: what can we learn as “adultologists”} \\
& Anne Chang (Australia) \\
11.10-11.20 & \textbf{Discussion} \\
\hline
\end{tabular}
### Keynote Lecture 5

**Chair:** Mark Metersky (US)

11.20-11.40  **Inhaled phage therapy for treatment of respiratory infections**  
Yoon Kyung (Rachel), Chang (Australia)

11.40-11.50  Discussion

### S.5 PCD / Cilia

**Chairs:** M. Leigh Anne Daniels (US), Jane Lucas (UK)

11.50-12.10  **What does ciliopathy mean in bronchiectasis**  
Amelia Shoemark (UK)

12.10-12.30  **PCD in childhood - is early diagnosis a link to improved prognosis and quality of life?**  
Petr Pohnuk (Czech Republic)

12.30-12.50  Discussion

### Keynote Lecture 6

**Chair:** Pieter C. Goeminne (Belgium)

12.50-13.20  **Gut-lung microbiome in bronchiectasis**  
Jayanth K. Narayana (Singapore)

13.20-13.30  Discussion

### LUNCH BREAK & STROLLING POSTER SESSION

13.30-15.00
**Saturday, JULY 2\textsuperscript{nd}, 2022**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Description</th>
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<tbody>
<tr>
<td>15.00-16.00</td>
<td><strong>S.6 Idiopathic no – more</strong></td>
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<tr>
<td>15.00-15.20</td>
<td><strong>New insights in pathophysiology of bronchiectasis</strong></td>
<td>Pamela J. McShane (US)</td>
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<tr>
<td>15.20-15.40</td>
<td><strong>Genomics of Bronchiectasis: a new era</strong></td>
<td>Andres Floto (UK)</td>
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<tr>
<td>15.40-16.00</td>
<td><strong>Discussion</strong></td>
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<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Description</th>
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<tbody>
<tr>
<td>16.00-16.10</td>
<td><strong>CLOSING REMARKS</strong></td>
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<td></td>
<td><strong>Stefano Aliberti (Italy), Francesco Blasi (Italy), James D. Chalmers (UK)</strong></td>
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</table>

**Full hybrid format**

All the sessions will be realised in presence eventually with the remote connection of some Chair or Speaker. All the sessions will be broadcasted live on the Virtual Platform (accessible from the congress website) for all the participants who will connected remotely.
Supported sessions

DISCLAIMER: THE FOLLOWING LECTURE IS ORGANIZED BY INDUSTRY, YOU CANNOT CLAIM CME CREDITS FOR ATTENDING THIS SESSION

Thursday JUNE 30\textsuperscript{th}, 2022

14.00–15.30 FIRST ROUND – Real-Clinical Cases Discussion

Supported by Physio-Assist

Room C Nonpharmacological strategies to mucus clearance
Faculty: Judy Bradley (UK), Michal Shteinberg (Israel), to be defined

15.30–17.00 SECOND ROUND – Real-Clinical Cases Discussion

Supported by Physio-Assist

Room C Nonpharmacological strategies to mucus clearance
Faculty: Judy Bradley (UK), Michal Shteinberg (Israel), to be defined

Friday JULY 1\textsuperscript{st}, 2022

17.25–18.25 Sponsored lecture

Supported by Insmed

17.25–18.10 The role of neutrophilic inflammation in bronchiectasis
James D. Chalmers (UK)

18.10–18.25 Discussion
# Registration fees

<table>
<thead>
<tr>
<th>Registration Fees*</th>
<th>Early Reg. Fees (up to 24 May 2022)</th>
<th>Regular Reg. Fees (from 24 May to 24 June)</th>
<th>Late Reg. Fees (from 25 June and on-site)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Researcher &amp; Medical Doctor</td>
<td>€ 440</td>
<td>€ 500</td>
<td>€ 600</td>
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<tr>
<td>Trainees / Students**</td>
<td>€ 235</td>
<td>€ 295</td>
<td>€ 395</td>
</tr>
<tr>
<td>Physiotherapists / Nurses**</td>
<td>€ 235</td>
<td>€ 295</td>
<td>€ 395</td>
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<tr>
<td>Industry staff members</td>
<td>€ 960</td>
<td>€ 1.080</td>
<td>€ 1.200</td>
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</tbody>
</table>

* Rates reported above are inclusive of VAT.

** Please, provide certification.

For each registration a **handling fee of € 18** (VAT included)

## REGISTRATION FEE INCLUDES

- Attendance to the Main Scientific Session
- Congress kit
- Welcome Cocktail
- Lunch and Refreshments during breaks
- Entrance to the Poster Area & Exhibition
- Access to the virtual platform for remote connection
- Access to the recorded material of the scientific programme for the 6 months following the live event

## CANCELLATIONS AND REFUNDS

- Cancellation or modification of registration must be sent in writing to the Organizing Secretariat Publi Créations ([wbc@publiccreations.com](mailto:wbc@publiccreations.com))
- Before 24 May 2022 all fees will be refunded minus € 40 for administrative charges. All refunds will be settled after the meeting.
- After 25 May 2022 no refunds will be made;
- All name changes will be invoiced € 40.
## IMPORTANT DATES

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>October – December 2021</td>
<td>Programme definition with the Organizing and Scientific Committee &lt;br&gt; Endorsing Campaign start up</td>
</tr>
<tr>
<td>November 2021</td>
<td>Congress website online &lt;br&gt; Beginning of the promotion toward potential participants</td>
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<tr>
<td>January 2022</td>
<td>Opening of the call for abstracts &lt;br&gt; Registrations opening</td>
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<tr>
<td>March 29th, 2022</td>
<td>Call for abstracts closing</td>
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<tr>
<td>End of March, 2022</td>
<td>Presentation of the accreditation dossier to UEMS / EAACME and EBAP</td>
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<tr>
<td>Mid April, 2022</td>
<td>Deadline to send communication to submitters for the Rising Stars, oral presentation and poster presentations</td>
</tr>
<tr>
<td>May 24th, 2022</td>
<td>Early registration deadline</td>
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<tr>
<td>May 17th–31st, 2022</td>
<td>Late breaking abstracts window (for poster only)</td>
</tr>
<tr>
<td>June 30th– July 02nd, 2022</td>
<td>5th World Bronchiectasis &amp; NTM Conference - LIVE EVENT</td>
</tr>
<tr>
<td>July 2022</td>
<td>Publication on the congress website of the &lt;br&gt; <strong>authorized speakers presentations</strong> (for registered participants only) &lt;br&gt; <strong>authorized videorecording of the scientific sessions</strong></td>
</tr>
<tr>
<td>August 30th, 2022</td>
<td>Publication of the statistics and of the congress survey</td>
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</table>
ENDORSEMENTS
5th World Bronchiectasis & NTM Conference

HYBRID FORMAT

PRAGUE (CZECH REPUBLIC)
30 JUNE - 2 JULY 2022

EMBARC
The European Bronchiectasis Registry

www.world-bronchiectasis-conference.org