

The background of the entire image is a light blue circuit board pattern. On the right side, there is a close-up of a robot's face, which is white and metallic, with a single visible eye. The robot's head is partially cut off by the top edge of the image. The robot's torso and arms are visible in the lower half of the image, showing a white and grey metallic finish with blue glowing joints. The robot's right arm is extended towards the bottom left, holding a small, glowing blue object.

# RAB

**2<sup>nd</sup> International Congress  
on Robotic Assisted Bronchoscopy  
& Transbronchial Ablation Update**

**BRESCIA - ITALY**  
**13<sup>th</sup> - 15<sup>th</sup> June 2024**

**PROGRAM**

Welcome to



**Get ready  
for the fastest growing event  
in Interventional Pulmonology!**

After the resounding success of the first edition, we are excited to announce that we are doubling down on the 2nd RAB International Congress into a super-charged and exciting premier event.

RAB 2024 is poised to be even more innovative and distinct from the previous one, with a dynamic program that focuses on the latest advancements in robotics, ablation and therapeutic approaches.

Top voices in robotics, advanced bronchoscopy, diagnosis and therapy techniques, are there to create the largest dedicated international platform for clinicians and industry to meet and discuss the future of Interventional Pulmonology.

# SCIENTIFIC BOARD

## *MICHELA BEZZI (HOST)*

MD, PhD – University Hospital ASST Spedali Civili – Brescia (HOST)

## *STEFANO GASPARINI (HOST)*

Full Professor - University of Marche - Ancona, Italy  
President of the World Association of Bronchology  
and Interventional Pulmonology

## *ERIK FOLCH*

MD, MSc – Mass General Research Institute,  
Co-director interventional pulmonology  
Massachusetts General Hospital – Boston, USA

## *FELIX HERTH*

Chairman and Head, Thoraxklinik  
Professor of Respiratory Medicine University of Heidelberg, DE

## *D. KYLE HOGARTH*

MD, FCCP – Professor of Medicine,  
Pulmonary and Critical Care Medicine,  
University of Chicago, IL, USA

## *KELVIN LAU*

Clinical Director and Thoracic Surgeon,  
Barts Thorax Centre - London, UK

## *CALVIN NG*

BSc, MD, FRCS (CTh), FCCP - Division of Cardiothoracic Surgery,  
The Chinese University of Hong Kong  
Prince of Wales Hospital - Hong Kong, China.

## *MICHAEL PRITCHETT*

DO, MPH – Director, Chest Center of the Carolinas  
First Health of the Carolinas and Pinehurst Medical Clinic, NC, USA

## *PALLAV SHAH*

Professor of Respiratory Medicine at Imperial College, London,  
Senior Consultant Physician at the Royal Brompton Hospital  
and Chelsea & Westminster Hospital, UK

# PROGRAM - DAY 1

THURSDAY JUNE 13<sup>TH</sup> 2024

13.00

Registrations

## Opening

FIRST EDITION of RAB...  
WE START FROM HERE

**Chair:** Michela Bezzi, Stefano Gasparini

13.45

Presentation of the Scientific Board

Scientific Board

## 1<sup>st</sup> Session

SETTING THE SCENE:  
AN UPDATE ACROSS THE GLOBE

**Chair:** Michela Bezzi, Stefano Gasparini, Kelvin Lau, Pallav Shah

14.00 - 15.30

Trends and outlook for lung cancer screening, nodule pathways, advanced bronchoscopy and transbronchial therapies

10'

United States

D. Kyle Hogarth

10'

Italy

Michela Bezzi

10'

France

Samy Lachkar

10'

Germany

Felix Herth

10'

United Kingdom

Chris Orton

10'

China

Calvin Ng

10'

India

Hari Kishan Gonuguntla

## Round Table

How can we globalize clinical and technological best practices?

20'

Questions to/from the Audience with all prior speakers



## 1<sup>st</sup> HANDS-ON session (ROTATING GROUPS)

**15.30 - 16.30** Hands-on sessions (4-6 pax x session):  
 (1) Intuitive & Siemens & Erbe, (2) Noah Medical, (3) Pentax EBUS,  
 (4) BodyVision, (5) Erbe (cryobiopsy probe) & AMBU, (6) ASP-ROSE,  
 (7) J&J (Monarch), (8) Olympus

**30'** OPEN COFFEE BREAK

**17.00 - 17.30** **LIVE SESSION FROM BRESCIA**  
 Advanced bronchoscopy for peripheral lung nodules

**Operators:** Michela Bezzi, Pallav Shah

**Moderators:** Joe Cicenía, D. Kyle Hogarth

## 2<sup>nd</sup> Session PRESENT AND FUTURE OF NAVIGATION BRONCHOSCOPY

**Chair:** Tinku Joseph, Pallav Shah, Piero Candoli

**17.30 - 18.30**

**10'** Current evidence and future developments of Lungvision platform **Amir Abramovich**

**10'** Current evidence and future developments of Archimedes platform **Anthony Rosell**

**10'** Current evidence and future developments of Illumisite platform **D. Kyle Hogarth**

**Round Table** What is the Navigation platform that is here to stay?

**30'** Questions to/from the Audience with all prior speakers

**18.30** Closing remarks first day

# PROGRAM - DAY 2

FRIDAY JUNE 14<sup>TH</sup> 2024

## TECHNICAL SUITES

**08.15 - 09.00** Ion Tech Suite demonstration  
Galaxy Tech Suite demonstration

## PLENARY ROOM

### 3<sup>rd</sup> Session WELCOME BY LOCAL AUTHORITIES

**Chair:** Stefano Benussi, Michela Bezzi

**09.00** Francesco Castelli – *Dean of the University of Brescia*  
Luigi Cajazzo – *CEO, ASST Spedali Civili di Brescia*  
Simona Tironi – *Regional Councilor for Education, Regione Lombardia*

### 4<sup>th</sup> Session HOW DO WE GET ROBOTIC BRONCHOSCOPY REIMBURSED?

**Chair:** Kelvin Lau, Erik Folch

**09.15 - 10.40**

10'	Patient perspective	
10'	Physician perspective (EU)	Felix Herth
10'	Physician perspective (USA)	Stephen Kovacs
10'	Payor perspective (Public Hospital)	Marco Cozzoli
10'	Payor perspective (Private Hospital)	TBD
10'	Hospital administration perspective	Davide Zanchi
10'	Industry perspective	Taylor Patton

### Round Table Barriers to adoption of Robotics and Navigation: challenges and opportunities

**10.25 – 10.40** Questions to/from the Audience with all prior speakers  
and selected industry representatives

## 5<sup>th</sup> Session

# PRESENT AND FUTURE OF ROBOTIC BRONCHOSCOPY

**Chair:** Catherine Oberg, Giusto Pignata, Pallav Shah

**10.40 - 11.30**

- |            |  |                       |
|------------|--|-----------------------|
| <b>10'</b> | Current evidence and future developments of Ion platform     | Scott Oh              |
| <b>10'</b> | Current evidence and future developments of Galaxy platform  | D. Kyle Hogarth       |
| <b>10'</b> | Current evidence and future developments of Monarch platform | Gustavo Cumbo Nacheli |

## Round Table

How to choose the RAB platform that will stand the test of time?

- |            |  |
|------------|--|
| <b>20'</b> | Questions to/from the Audience with all prior speakers |
| <b>20'</b> | OPEN COFFEE BREAK                                      |

## Sponsored Session Advanced imaging in IP

**Chair:** Stefano Bonardelli, Erik van der Heijden

**11.50 - 12.30**

- |            |   |                             |
|------------|---|-----------------------------|
| <b>30'</b> | Fixed cone-beam CT in interventional pulmonology - How it all began | Wolfgang Hohenforst-Schmidt |
| <b>10'</b> | Continuous visualization for robotic-assisted bronchoscopy          | George Christodoulides      |

**12.30 - 13.00** LIVE SESSION FROM PINEHURST (Robotic case)

**Operator:** Michael Pritchett  
**Moderators:** Chris Orton, Pallav Shah

**13.00 - 14.00** LIGHT LUNCH

# PROGRAM - DAY 2

FRIDAY JUNE 14<sup>TH</sup> 2024

## 6<sup>th</sup> Session INCORPORATING IMAGING TECHNOLOGIES

**Chair:** Davide Farina, Calvin Ng, Rocco Trisolini

**14.00 - 15.30**

10'	Fixed cone-beam CT is a must-have	Pallav Shah
10'	Bridging the gaps in advanced bronchoscopy interventions with AI	Pallav Shah
10'	Image-guided robotic bronchoscopy with portable CBCT – First UK experience	Tom Routledge
10'	RAB with Tomosynthesis is enough	Sonali Sethi
10'	Augmented Fluoroscopy is all you need	Joe Cicens
10'	CBCT as the only tool for navigation bronchoscopy	Erik Van der Heijden
10'	Beyond the Frontier: dissecting elements of success	Tajalli Saghaie

**Round Table** Are imaging technologies an adjunct or a replacement for RAB and ENB?

**20'** Questions to/from the Audience with all prior speakers

## 2<sup>nd</sup> HANDS-ON session (ROTATING GROUPS)

**15.30 - 16.30** Hands-on sessions (4-6 pax x session):  
(1) Intuitive & Siemens & Erbe, (2) Noah Medical, (3) Pentax EBUS, (4) BodyVision, (5) Erbe (cryobiopsy probe) & AMBU, (6) ASP-ROSE, (7) J&J (Monarch), (8) Olympus

**30'** OPEN COFFEE BREAK



## 7<sup>th</sup> Session **DELIVERING THERAPY**

**Chair:** Luigi Grazioli, Kelvin Lau

**17.00 - 18.30**

- |            |   |                       |
|------------|---|-----------------------|
| <b>10'</b> | Percutaneous ablation:<br>what is the preferred modality by the IR? | Gianpaolo Carrafiello |
| <b>10'</b> | Experience with transbronchial MW ablation                          | Calvin Ng             |
| <b>10'</b> | New horizons in MW ablation technology<br>(Endowave)                | Kelvin Lau            |
| <b>10'</b> | New horizons in MW ablation technology<br>(Creo Medical)            | Pallav Shah           |
| <b>10'</b> | Non-thermal alternatives<br>to MW ablation – PEF                    | Michael Pritchett     |
| <b>10'</b> | Thermal alternatives to MW ablation - RFA                           | Erik Folch            |

**Round Table** How can we accelerate approval and availability  
of the new MW ablation catheters?  
Is it time for a consensus statement?

- |              |  |
|--------------|--|
| <b>30'</b>   | Questions to/from the Audience with all prior speakers |
| <b>18.30</b> | Closing remarks second day                             |

# PROGRAM - DAY 3

SATURDAY JUNE 15<sup>TH</sup> 2024

## TECHNICAL SUITES

**08.15 - 09.00** Ion Tech Suite demonstration  
Galaxy Tech Suite demonstration

**8<sup>th</sup> Session** **BREAKFAST TALK SHOW:  
HOW ROBOTICS CHANGED  
THE FACE OF SURGERY**

**09.00 - 09.30** **Special guests:** Franca Melfi, Kelvin Lau  
**Moderator:** Alessandro Radaelli

**9<sup>th</sup> Session** **MAXIMIZING THE DIAGNOSTIC YIELD  
OF TBB/TBNA IN SPN-GGO**

**Chair:** Mauro Benvenuti, Stefano Gasparini, Mohammed Munavvar

**09.30 - 10.30**

10'	Does the tool matter?	Lina Zuccatosta
10'	Cryobiopsy: uses beyond ILD	Erik Folch
10'	New tools at our disposal and new tools on the horizon - Automated Sample Preparation - ASP Rose	Mauro Novali
10'	Diagnosing without biopsy (optical microscopy)	Stephen Kovacs

**Round Table** **How much do the tool and sample processing matter?**

**20'** Questions to/from the Audience with all prior speakers

## 10<sup>th</sup> Session **SHARK-TANK STARTUP COMPETITION**

**Sharks:** Mary Guan, D. Kyle Hogarth, Alessandro Radaelli, Francesco Rossi, Victor Savevski.

### 10.30 - 12.00

10' + 5'	W Endoluminal Robotics
10' + 5'	LungGuide
10' + 5'	AutoROSE
10' + 5'	Atlas Medical Technologies
10' + 5'	NuMatuSeal

### Round Table Which startup is most likely to succeed?

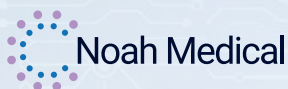
15'	Questions to/from the Audience and public vote
12.00	Announcement Startup winner, closing remarks final day

# RAB

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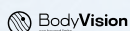
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