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Regione Lombardia

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# RESPIRA *Mi*

## Recent Advances on Air Pollution and Health



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In collaboration with:



2<sup>nd</sup>-3<sup>rd</sup> March 2026 / Fondazione Cariplo  
Conference Center, Via Romagnosi, 8 - Milan, IT

## RATIONALE

Reducing the incidence and prevalence of modifiable risk factors of Non-Communicable Diseases (NCDs) is a critical endeavor to address the global burden of these ailments that claim several million lives per year, and to foster effective primary and secondary prevention initiatives. Among these risk factors, air pollution is one of the most important, owing to its ubiquitous environmental and household exposure in both low- high-income countries. In addition, heat exposure and traffic noise represent further environmental risk factors. With this background, in collaboration with the Environmental Research Group (ERG) at Imperial College London, UK, we are organizing for the sixth time the International Seminar “RespiraMi”, which will take place on 2-3 March 2026 in Milan, Italy.

An impressive faculty of experts will present the most recent data arising from research carried out in the last few years and thus update current knowledge and highlight recent progress. In the first session of the Seminar, the NCD burden caused by air pollution will be related to the economic costs as well as to the broad economic assessment of the effects on health of these environmental risk factors. Subsequently the first day of the Seminar will update on specific diseases adversely affected by air pollution: on the mechanisms of the adverse cardiovascular outcomes (CVDs) but also on the novel clinical consensus statement recently released by the European Society of Cardiology. Next, there will be insights and discussion on the basic mechanisms linking air pollution to neurological and mental disorders, with special emphasis on neurodegenerative diseases such as dementia, Parkinson’s disease, multiple sclerosis, and motor neuron diseases. The important issue of adverse birth outcomes will be dealt with by investigating the relationship between gestational exposure to air pollution and these outcomes, with an overview of the related mechanisms. Within the first day of the seminar, there will also be the evaluation of new data on the impact of non-exhaust emissions on asthma, as well as a report on new insights into the health impact of indoor air pollution, a topic less frequently tackled than outdoor ambient air pollution.

The last session of the first day will deal with the important unsolved problem of exposure to nano- and microplastic particles, assessing the role of airborne particles and fibres, as well as reviewing the current evidence available on their effects on human health. In the second day of the Seminar, the first part of the program will deal with recent research carried out in Italy and elsewhere, and presented by participants on the selected posters. Next, there will be an important session dealing with the methodological challenges inherent to the evaluation of the independent and joint effects of the exposome on human health, with emphasis on exposure measurement errors, their determinants, and correction methods.

The issue of urban health will be dealt with by reviewing the effects of traffic noise on human health and how ongoing trends in urban planning may help improve environmental health by reducing traffic and increasing urban green areas.

After a panel discussion addressing lessons learned from the Seminar, related plans and perspectives, the Seminar will close with an important session on policy, with specific topics such as air pollution inequalities in Europe, science policy summary from the WHO, as well as the issue of the slow progress with many “stop and go” of the Green Deal in the European Union. The afternoon of the second day, the seminar will end with a demonstration of how a few cities are in the vanguard against air pollution, presented as a conversation between the Imperial College London and representatives of the C40 cities that are developing inclusive climate and environment actions. Throughout the seminar, the posters submitted by the participants will be on display.

**Francesco Forastiere**

**Sergio A. Harari**

**Klea Katsouyanni**

**Michal Krzyzanowski**

**Pier Mannuccio Mannucci**

## CHAIRS OF THE SEMINAR:

### **Francesco Forastiere**

National Research Council (CNR-IFT)  
Palermo (IT)  
Environmental Research Group, School of Public Health  
Imperial College  
London (UK), Rome (IT)

### **Sergio A. Harari**

Division of Respiratory Disease and Division of Internal Medicine  
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Milan(IT)

### **Klea Katsouyanni**

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National and Kapodistrian University of Athens  
Athens(GR)

### **Michal Krzyzanowski**

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### **Pier Mannuccio Mannucci**

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Imperial College  
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## SCIENTIFIC AND ORGANIZING SECRETARIAT

### **Promoviaggi S.p.a.**

Viale Gian Galeazzo 3  
20136 Milan – Italy  
www.pvagency.it  
secretariat@respirami.org

MONDAY, 2<sup>ND</sup> MARCH 2026 - MORNING

- 09.00 a.m. - 09.15 a.m. Opening  
**F. Blandini** Scientific Director IRCCS Ca' Granda  
Ospedale Maggiore Policlinico (Milan, IT)  
**F. Kelly** Director ERG, Imperial College (London, UK)  
**G. Caracciolo** Scientific Affairs & Operations Director,  
Fondazione Menarini (Florence, IT)

**SESSION I - RISK ASSESSMENT**

- Chairpersons: **F. Forastiere** (Palermo, Rome, IT/London, UK),  
**S.A. Harari** (Milan, IT)
- 09.15 a.m. - 09.35 a.m. Guidance on concentration–response functions for health  
risk assessment in the WHO European Region  
**R. Perez-Velasco** (Bonn, DE)
- 09.35 a.m. - 09.55 a.m. Estimation of Morbidity from Air Pollution and its  
Economic Costs: WHO EMAPEC project results  
**P. Mudu** (Geneva, CH)
- 09.55 a.m. - 10.15 a.m. Economic Assessment of Health Effects of Air Pollution: EU  
project VALESOR  
**J.V. Spadaro** (Philadelphia, USA)
- 10.15 a.m. - 10.30 a.m. Q&A
- 10.30 a.m. - 11.00 a.m. Poster Viewing

**SESSION II - UPDATES ON SPECIFIC DISEASES**

Chairpersons: **K. Katsouyanni** (Athens, GR/London, UK),  
**P. M. Mannucci** (Milan, IT)

**CARDIOVASCULAR OUTCOMES**

11.00 a.m. - 11.20 a.m. Environmental Risk Factors and Cardiovascular  
Outcomes: mechanisms and epidemiological evidence  
**A. Peters** (Munich, DE)

11.20 a.m. - 11.40 a.m. The Clinical Consensus Statement of the European  
Society of Cardiology  
**M. Piepoli** (Milan, IT)

11.40 a.m. - 11.50 a.m. Q&A

**NEUROLOGICAL AND MENTAL DISORDERS**

11.50 a.m. – 12.10 p.m. Basic mechanisms linking air pollution to neurological  
and mental disorders  
**I. Mudway** (London, UK)

12.10 p.m. – 12.30 p.m. Neurodegeneration and Air Pollution: Dementia,  
Parkinson's, Multiple Sclerosis and Motor Neuron Disease  
**H. Khreis** (College Station, USA)

12.30 p.m. – 12.40 p.m. Q & A

**BIRTH OUTCOMES**

12.40 p.m. – 01.00 p.m. Gestational air pollution exposure and adverse birth  
outcomes: mechanisms overview  
**J. Fussell** (London, UK)

01.00 p.m. – 01.10 p.m. Q & A

01.10 p.m. – 02.30 p.m. Poster Viewing

MONDAY, 2<sup>ND</sup> MARCH 2026 - AFTERNOON

**SESSION III - OUTDOOR AND INDOOR AIR POLLUTION**

Chairperson: **F. Kelly** (London, UK)

02.30 p.m. - 02.50 p.m. Impact of non-exhaust emissions on the asthmatic airway – The IONA study  
**C. Griffiths** (Oxford, UK)

02.50 p.m. - 03.10 p.m. New insights into the health impact of indoor air pollution  
**B. Barratt** (London, UK)

03.10 p.m. - 03.25 p.m. Q&A

**NANO- AND MICROPLASTIC PARTICLES**

03.25 p.m. - 03.45 p.m. Exposure assessment to airborne NANO- and microplastic particles and fibres  
**S. Wright** (London, UK)

03.45 p.m. - 04.05 p.m. Human evidence and perspectives  
**F. Prattichizzo** (Milan, IT)

04.05 p.m. - 04.20 p.m. Q&A

04.20 p.m. - 05.00 p.m. Poster Viewing

05.00 p.m. End of Day 1

TUESDAY, 3<sup>RD</sup> MARCH 2026 - MORNING

**SESSION IV - AIR POLLUTION AND HEALTH: FUTURE PERSPECTIVE**

Chairpersons: **M. Carugno** (Milan, IT), **L. Richiardi** (Turin, IT)

09.00 a.m. - 10.10 a.m. Research in Italy and Elsewhere  
Poster session: oral presentation of 6 selected posters

**SESSION V - METHODOLOGICAL ADVANCES**

Chairpersons: **Z. J. Andersen** (Copenhagen, DK) ,  
**B. Hoffmann** (Düsseldorf, DE)

10.10 a.m. - 10.30 a.m. Methodological challenges in the evaluation of independent and joint effects of the external exposome on human health  
**M. Stafoggia** (Rome, IT)

10.30 a.m. - 10.50 a.m. Exposure measurement error in air pollution epidemiology: determinants and correction methods for bias in health effect estimates  
**D. Evangelopoulos** (London, UK)

10.50 a.m. - 11.00 a.m. Q & A

11.00 a.m. - 11.30 a.m. Poster Viewing

**SESSION VI - URBAN HEALTH**

Chairpersons: **Z. J. Andersen** (Copenhagen, DK) ,  
**B. Hoffmann** (Düsseldorf, DE)

11.30 a.m. - 11.50 a.m. Is traffic noise really hazardous to health?  
**D. Vienneau** (Utrecht, NL)

11.50 a.m. - 12.10 p.m. Future trends in urban environmental health  
**M. Nieuwenhuijsen** (Barcelona, ES)

12.10 a.m. - 12.20 p.m. Q & A

**SESSION VII - PANEL DISCUSSION: WHAT HAVE WE  
LEARNT? WHAT NEXT?**

Chairperson: **H. Boogaard** (Boston, USA)

12.20 p.m. - 01.00 p.m. Panelists: **B. Barratt** (London, UK), **A. Peters** (Munich, DE)  
**B. Brunekreef** (Utrecht, NL), **M. Kutlar-Joss** (Basel, CH)

01.00 a.m. - 02.00 p.m. Poster Viewing

TUESDAY, 3<sup>RD</sup> MARCH 2026 - AFTERNOON

**SESSION VIII - POLICY SESSION**

Chairpersons: **K. Katsouyanni** (Athens, GR/London, UK)  
**P. M. Mannucci** (Milan, IT)

02.00 p.m. - 02.15 p.m. Air pollution inequalities in Europe  
**Z. J. Andersen** (Copenhagen, DK)

02.15 p.m. - 02.30 p.m. Health science and policy summaries from WHO  
**S. Gummy** (Geneva, CH)

02.30 p.m. - 02.45 p.m. The State of Global Air: Can data help to tackle air pollution?  
**P. Pant** (Boston, USA)

02.45 p.m. - 03.00 p.m. Europe and Green Deal: stop and go  
**B. Hoffmann** (Düsseldorf, DE)

03.00 p.m. - 03.10 p.m. Q & A

**SESSION IX - CITIES IN THE VANGUARD AGAINST AIR POLLUTION**

Chairperson: **P. M. Mannucci** (Milan, IT)

03.10 p.m. - 03.50 p.m. A conversation between **F. Kelly** (Imperial College London) and **L. M. Morel** (C40 Cities, Inclusive Climate Action, Breathe Cities)

03.50 p.m. - 04.00 p.m. Citizen-generated granular air quality monitoring at the service of the community and localized medical research in Milan  
**C. Burton** (APS - Associazione Parco Segantini)

04.00 p.m. Seminar Ends

**FACULTY**

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**Zorana Jovanovic Andersen** Department of Public Health University of  
Copenhagen  
Copenhagen (DK)

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**Benjamin Barratt** Environmental Research Group  
School of Public Health  
Imperial College  
London ( UK)

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**Hanna Boogaard** Health Effects Institute  
Boston (USA)

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**Bert Brunekreef** Environmental Epidemiology  
Institute for Risk Assessment Sciences  
Utrecht University  
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**Christabel Burton** APS - Associazione Parco Segantini  
Milan (IT)

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**Michele Carugno** Department of Clinical Sciences and Community  
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**Frank Kelly** Environmental Research Group  
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<b>Michal Krzyzanowski</b>	Environmental Research Group School of Public Health Imperial College London (UK), Warsaw (PL)
<b>Meltem Kutlar - Joss</b>	Office for the Environment and Energy Basel-Stadt, Switzerland Basel (CH)
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<b>Luisa Miranda Morel</b>	Inclusive Climate Action, Breathe Cities Milan (IT)
<b>Pierpaolo Mudu</b>	WHO Headquarter - Environment, Climate Change and Health (ECH) Geneva (CH)
<b>Ian Mudway</b>	Environmental Research Group School of Public Health Imperial College London (UK)
<b>Mark Nieuwenhuijsen</b>	Urban Planning, Environment and Health Initiative IS Global Barcelona (ES)
<b>Pallavi Pant</b>	Global Initiatives Health Effects Institute Boston (USA)

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**Roman Perez Velasco** WHO Centre for Environment  
Climate Change and Health  
WHO Regional Office for Europe  
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**Lorenzo Richiardi** Department of Medical Sciences  
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**Danielle Vienneau** Julias Center for Health Sciences and Primary Care  
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Utrecht (NL)

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London (UK)

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# RespiraMi

## Recent Advances on Air Pollution and Health

### GENERAL INFORMATION

#### VENUE

Conference Center  
Fondazione Cariplo  
Via Romagnosi, 8 - Milan, IT

#### OFFICIAL LANGUAGE

The official language of the seminar is English.

#### REGISTRATION HOURS FOR RESIDENTIAL EVENT

Monday, 2 March 2026: 08.00 a.m.- 05.00 p.m.

Tuesday, 3 March 2026: 08.00 a.m.- 04.00 p.m.

#### LIVE STREAMING EVENT ONLINE ON

Monday, 2 March 2026: 09.00 a.m.- 05.00 p.m.

Tuesday, 3 March 2026: 09.00 a.m.- 04.00 p.m.

Please note that times are expressed in Local Italy time

#### FACULTY SLIDE CENTRE OPENING HOURS

The center will be open at the following times:

Monday, 2 March 2026: 08.00 a.m.- 05.00 p.m.

Tuesday, 3 March 2026: 08.00 a.m.- 04.00 p.m.

#### TECHNICAL FACILITIES

Facilities will be available for computer presentations and overhead projections.

A slide center with pcs (windows and macintosh operating systems) will be available for

Speakers to preview and finalize their presentations. Speakers are kindly requested to submit their presentations to the slide center technicians at least one hour before their talks.

#### LUNCH AND COFFEE BREAKS

Lunch and coffee breaks will be served in the meeting area.

#### ATTENDANCE CERTIFICATE

The attendance certificate will be provided via email upon request.

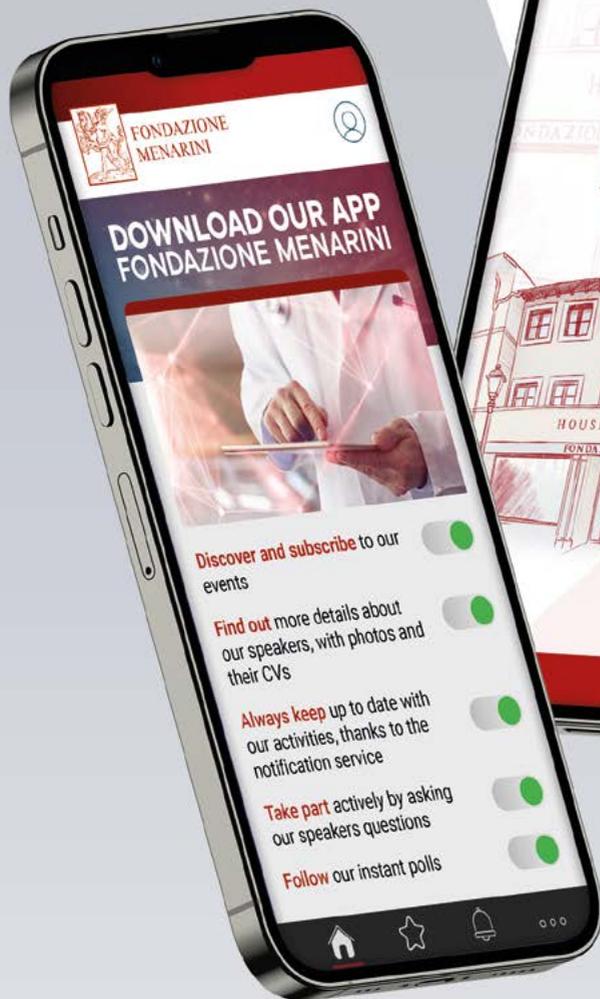






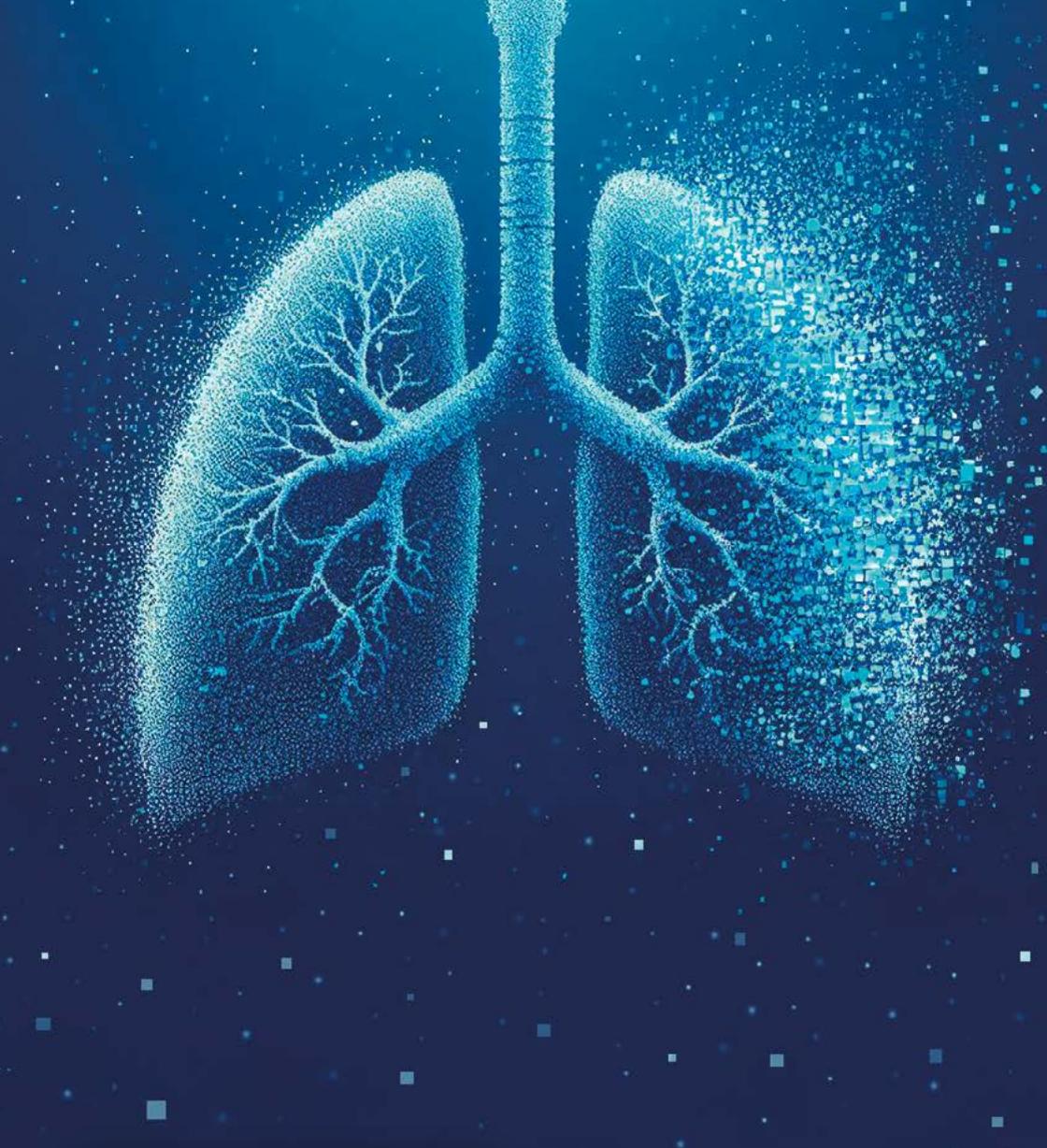


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