



Fondazione IRCCS Ca' Granda  
Ospedale Maggiore Policlinico

Sistema Socio Sanitario



Regione  
Lombardia

**International Seminar on:**  
**RESPIRAMI 3: Air pollution and our health**  
**Milan, 24-26 January 2019**

Organized by  
IRCCS Ca' Granda Maggiore Policlinico Hospital Foundation

With an Unrestricted Grant by



FONDAZIONE  
INTERNAZIONALE  
MENARINI

Fondazione Umanitaria - Salone degli Affreschi  
Via San Barnaba, 48 - 20122 Milan (Italy)

## RATIONALE

Ambient air pollution is one of the most important global risk factors for morbidity, disability and mortality. Because this risk affects a huge number of urban areas in high income as well as in low income countries, the healthcare dimensions of its consequences are huge, as one realizes considering that there are at least 7 million premature deaths due to air pollution, according to WHO and the Global Burden of Disease epidemiological studies.

Living in one of the most polluted area of the world (the Po River Plain), together with the distinguished epidemiologists of the Regione Lazio (led by Francesco Forastiere) and a former staff member of WHO (Michał Krzyzanowski), we first chose in 2015 to organize an independent international seminar called RespiraMi, with the goal to gather the most distinguished global experts and ask them to present their most recent and mostly unpublished data on the progress of science towards tackling the global problem of outdoor and indoor air pollution, in the frame of a two day seminar.

The third 2019 edition of the Seminar (RespiraMi 3) enlists a distinguished team of expert speakers from the 4 world continents who will put special emphasis on the effects of air pollution on the weakest groups of citizens: the child, the pregnant woman, older people, to poorest people, as well as on the growing evidence that air pollution is a cause of most common, growing and devastating neurodegenerative disease (dementia, Alzheimer). The Seminar will newly deal also on the arrays of measures that are being enforced in highly polluted countries such as China, Poland and also Italy to mitigate the deleterious effects of outdoor and indoor air pollutants. Finally, special emphasis will be given to recent data that convincingly show that living, working and going to school in areas richer in greenness decrease overall mortality (particularly from cancer and cardiopulmonary diseases) but also allows school children to achieve better learning performances than those who live and go to school in areas deprived of greenness.

### Chairs of the Seminar

P.M. Mannucci   S. Harari   F. Forastiere   M. Krzyzanowski

## **Chairs of the Seminar**

Francesco Forastiere, *Rome*

Sergio Harari, *Milan*

Michael Krzyzanowski, *Warsaw*

Pier Mannuccio Mannucci, *Milan*

## **Organizing Secretariat (and CME Provider)**



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*With an Unrestricted Grant by*

## **Fondazione Internazionale Menarini**



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## THURSDAY, 24 January 2019

14:00 - 14:30 Opening

### **New evidence on health effects of air pollution**

***Chairs: F. Forastiere, S. Harari***

14:30 - 15:00 Exposure to air pollution  
and cancer risk,  
*Zorana Andersen, Copenhagen*

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15:00 - 15:30 Updates on cardiovascular effects  
of air pollution,  
*Francesco Forastiere, Rome*

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15:30 - 16:00 Updates on respiratory effects  
of air pollution,  
*Sergio Harari, Milan*

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16:00 - 16:30 Break

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***Chairs: A. Peters, M.C. Facchini***

16:30 - 17:00 Early life air pollution exposure,  
neuropsychological development,  
and neuroimaging in children  
*Monica Guxens, Barcelona*

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17:00 - 17:30 Environmental exposure and disease:  
role of the epigenome,  
*Annette Peters, Munich*

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17:30 - 18:00 Mechanisms of particulate matter  
(PM) toxicity,  
*Frank Kelly, London*

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18:00 - 18:30 Discussion

## FRIDAY, 25 January 2019

### Understanding impact of PM components and sources

***Chairs: B., Hoffmann, X. Querol***

- |               |   |
|---------------|---|
| 09:00 - 09:30 | Systematic review of health effects of PM components,<br><i>Jason Sacks, USEPA Research Triangle Park, NC, USA</i>                                |
| 09:30 - 10:00 | Ultrafine particles and health effects,<br><i>Barbara Hoffmann, Dusseldorf</i>  |
| 10:00 - 10:30 | Non-exhaust emissions: sources and health effects,<br><i>Fulvio Amato, Barcelona</i>  |
| 10:30 - 11:00 | AIRUSE-LIFE PM <sub>x</sub> source apportionment and measures to abate urban air pollution in Southern Europe,<br><i>Xavier Querol, Barcelona</i> |
| 11:00 - 11:30 | Break   |

### Health effects of very low and very high PM levels

***Chairs: G. Hoek, H. Kan***

- |               |   |
|---------------|---|
| 11:30 - 12:00 | Combining evidence from studies on the effects of air pollution at low level,<br><i>Gerard Hoek, Utrecht</i>              |
| 12:00 - 12:30 | Evidence on the health risks from highly polluted regions,<br><i>Haidong Kan, Shanghai</i>                                |
| 12:30 - 13:00 | Causal approaches to study the effects of air pollution,<br><i>Antonella Zanobetti, Boston - Michela Baccini, Firenze</i> |
| 13:00 - 14:00 | Break   |

## **Research on air pollution and health in Italy**

***Chairs: M. Stafoggia, G. Cesaroni***

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|---------------|---|
| 14:00 - 14:20 | The Beep project,<br><i>Giovanni Viegi, Palermo</i>   |
| 14:20 - 14:40 | Fine resolved daily PM maps in Italy<br>using satellite data,<br><i>Massimo Stafoggia, Rome</i>             |
| 14:40 - 15:00 | New evidence from the Rome<br>Longitudinal Study,<br><i>Giulia Cesaroni, Rome</i>                           |
| 15:00 - 15:20 | Air pollution and health effects in<br>children: the Piccolipiù project,<br><i>Franca Rusconi, Florence</i> |
| 15:20 - 15:40 | Noise and air pollution: mapping<br>and incidence of diseases,<br><i>Carla Ancona, Rome</i>                 |
| 15:40 - 16:00 | Particulate matter components,<br>sources, and health effects,<br><i>Andrea Ranzi, Modena</i>               |
| 16:00 - 16:30 | Break   |

***Chairs: A. Miani, P. Michelozzi***

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|---------------|--|
| 16:30 - 16:50 | Industrial pollution and health:<br>experience from the Apulia Region,<br><i>Lucia Bisceglia, Bari</i> |
| 16:50 - 17:10 | Studying the health effects<br>of air pollution in Lombardy?,<br><i>Sara Conti, Milan</i>              |
| 17:10 - 17:30 | The Italian Surveillance system on<br>temperature and air pollution,<br><i>Paola Michelozzi, Rome</i>  |
| 17:30 - 18:00 | Open discussion: What is missing<br>in research on the health effects<br>of air pollution in Italy?    |

## SATURDAY, 26 JANUARY 2019

### Using evidence to support policies addressing health risks of air pollution

***Chairs: S. Gumy, M. Krzyzanowski***

08:30 - 09:00 Greenness to mitigate the health effects of air pollution,  
*Pier Mannuccio Mannucci, Milan*

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09:00 - 09:30 Approaches and challenges in estimating the health impact of air pollution,  
*Michal Krzyzanowski, Warsaw*

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09:30 - 10:00 The WHO worldwide impact estimates for 2016,  
*Sophie Gumy, WHO Geneva*

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10:00 - 10:30 Challenges in sector-specific emission reductions in Europe: short- and long-time perspectives,  
*Markus Amann, IIASA Laxenburg, Austria*

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10:30 - 11:00 Break

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11:00 - 11:30 Policy issues: progress made and remaining challenges in neighboring countries,  
*Richard Ballaman, Bern*

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11:30 - 12:00 The EU Directive: Time for "fitness check?",  
*Vicente Franco, EC DG Environment, Brussels*



## **Involving people in air pollution risk reduction (round table discussion)**

***Chairs: P.M. Mannucci, S. Harari***

- 12:00 - 15.00    The legal European initiatives,  
*Ugo Taddei, Clientearth, Brussels*
- Control of traffic and diesel vehicles  
to reduce NO2 concentrations in Italy,  
*Anna Gerometta, Milan*
- Household combustion  
of solid fuel regulations to reduce  
PM concentrations in Poland,  
*Andrzej Gula, Krakow*
- WHO Urban Health Initiative:  
creating demand for action against  
air pollution through health  
knowledge and leadership,  
*H. De Sa Thiago, WHO Geneva*
- Communicating the risk to patients  
and doctors,  
*Pier Mannuccio Mannucci,  
Sergio Harari, Milan*
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## **Closing of Respirami 3**

## FACULTY LIST

### **Amann Markus**

Program Director Air Quality and Greenhouse Gases  
International Institute for Applied Systems Analysis  
*Laxenburg, Austria*

### **Amato Fulvio**

Institute of Environmental Assessment and Water  
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### **Ancona Carla**

Epidemiology Department, Regional Health Service  
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### **Andersen Zorana**

Associate Professor in Epidemiology at the Centre  
for Epidemiology  
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### **Baccini Michela**

Associate Professor Department of Statistics,  
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### **Ballaman Richard**

Federal Office for the Environment (FOEN)  
Air Pollution Control and Chemicals Division  
Head of Air Quality Management Section  
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Director of the Service Analysis of health supply  
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### **Cesaroni Giulia**

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ISGlobal, Barcelona Institute for Global Health  
*Barcelona, Spain*

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Director Division of Respiratory Diseases  
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**Alessandro Miani**

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Director of the Institute of Epidemiology,  
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*München, Germany*

**Querol Xavier**

Research profesor at IDAEA-CSIC,  
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*Barcelona, Spain*

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Environmental epidemiologist at Regional EPA  
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*Modena, Italy*

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Epidemiology Pediatric Hospital Meyer  
*Florence, Italy*

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Epidemiologist  
U.S. Environmental Protection Agency  
National Center for Environmental Assessment  
*Durham NC, USA*

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*Rome, Italy*

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Lawyer - Strategic Litigation Clean Air Project Leader  
ClientEarth  
*Brussels, Belgium*

**Viegi Giovanni**

Director Institute of biomedicine  
and molecular immunology "Alberto Monroy"  
(IBIM) National Istitute of Researches  
*Palermo, Italy*

**Zanobetti Antonella**

Principal Research Scientist Department  
of Environmental Health Harvard T.H. CHAN School  
of Public Health  
*Boston Massachusetts, USA*

## GENERAL INFORMATION

### Seminar venue

The venue of the Seminar will be  
"Fondazione Umanitaria"  
Salone degli Affreschi  
Via San Barnaba, 48 - 20122 Milan (Italy)

### Secretariat during Seminar

The Secretariat will be open at the following times:  
Thursday, 24 January, from 11.00 to 19.00  
Friday, 25 January, from 8.30 to 19.00  
Saturday, 26 January, from 8.00 to 16.00

### Official Language

The official language of the Seminar is English

### CME Credits

The congress will be accredited with Italian CME and EACCME.  
The CME credits will be awarded to the participants that will fulfill all the obligations under the program of Continuing Medical Education and EACCME

### Participation

The Seminar is reserved for N. 200 Physicians  
The eligible disciplines for CME credits are:  
Respiratory diseases, Allergology, Cardiology, Epidemiology, General Medicine, Internal Medicine

### Registration

The Seminar is free to attend. It is essential to confirm the participation to the Organizing Secretariat  
Please register on line: [www.respirami.it](http://www.respirami.it)  
Registrations must be received by January 18, 2019

### Certificate of Attendance

The certificate of attendance will be available on request at the end of the Seminar at the Secretariat Desk

## GENERAL INFORMATION

### Technical facilities

Facilities will be available for computer presentations and overhead projections.

A business center with PC (Powerpoint for Windows) will be available for check and preview of presentations. It is essential that speakers take their presentation to the business center at least one hour before the session starts

The center will be open at the following times:

Thursday, 24 January, from 11.00 to 19.00

Friday, 25 January, from 8.30 to 19.00

Saturday, 26 January, from 8.00 to 16.00

### Lunches and coffee breaks

Lunches and coffee breaks will be served in the Seminar area

### Abstracts

Participants will receive usb key at the Seminar

