



RESPIRAMI



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
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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 (Michal 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with the goal to gather the most distinguished global experts and ask them to present their most recent and mostly unpublished data on the progress of science towards tackling the global problem of outdoor and indoor air pollution, in the frame of a two day seminar.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 distinguish 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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GENERAL INFORMATION

Seminar venue

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

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
Registrations must be received by January 18, 2019

PROGRAM

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

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

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

16:00 - 16:30 Break

Chairs: A. Peters, M.C. Facchini

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

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

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

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,
Jason Sacks, USEPA Research Triangle Park, NC, USA

09:30 - 10:00 Ultrafine particles and health effects,
Barbara Hoffmann, Dusseldorf

10:00 - 10:30 Non-exhaust emissions: sources and health effects,
Fulvio Amato, Barcelona

10:30 - 11:00 AIRUSE-LIFE PMx source apportionment and measures to abate urban air pollution in Southern Europe,
Xavier Querol, Barcelona

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,
Gerard Hoek, Utrecht

12:00 - 12:30 Evidence on the health risks from highly polluted regions,
Haidong Kan, Shanghai

12:30 - 13:00 Causal approaches to study the effects of air pollution,
Antonella Zanobetti, Boston - Michela Baccini, Firenze

13:00 - 14:00 Break

Research on air pollution and health in Italy

Chairs: M. Stafoggia, G. Cesaroni

14:00 - 14:20 The Beep project,
Giovanni Viegi, Palermo

14:20 - 14:40 Fine resolved daily PM maps in Italy using satellite data,
Massimo Stafoggia, Rome

14:40 - 15:00 New evidence from the Rome Longitudinal Study,
Giulia Cesaroni, Rome

15:00 - 15:20 Air pollution and health effects in children: the Piccolipiù project,
Franca Rusconi, Florence

15:20 - 15:40 Noise and air pollution: mapping and incidence of diseases,
Carla Ancona, Rome

15:40 - 16:00 Particulate matter components, sources, and health effects,
Andrea Ranzi, Modena

16:00 - 16:30 Break

Chairs: A. Miani, P. Michelozzi

16:30 - 16:50 Industrial pollution and health: experience from the Apulia Region,
Lucia Bisceglia, Bari

16:50 - 17:10 Studying the health effects of air pollution in Lombardy?,
Sara Conti, Milan

17:10 - 17:30 The Italian Surveillance system on temperature and air pollution,
Paola Michelozzi, Rome

17:30 - 18:00 Open discussion: What is missing in research on the health effects of air pollution in Italy?

SATURDAY, 26 JANUARY 2019

Using evidence to support policies addressing health risks of air pollution

Chairs: S. Gummy, M. Krzyzanowski

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

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

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

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

10:30 - 11:00 Break

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

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

Closing of Respirami 3