



RESPIRAMi



Fondazione IRCCS Ca' Granda
Ospedale Maggiore Policlinico

Sistema Socio Sanitario



Regione
Lombardia

International Seminar on: RESPIRAMI 3: Air pollution and our health

Milan, 24th-26th January 2019



Organized by
IRCCS Ca' Granda Maggiore Policlinico Hospital Foundation
and



FONDAZIONE
INTERNAZIONALE
MENARINI

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

Under
the patronage of



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Umberto Veronesi
- per il progresso
delle scienze

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with the goal to gather the most distinguished global experts and ask them to present their most recent and mostly unpublished data on the progress of science towards tackling the global problem of outdoor and indoor air pollution, in the frame of a three day seminar.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

Fondazione Internazionale Menarini



FONDAZIONE
INTERNAZIONALE
MENARINI

Centro Direzionale Milanofiori

20089 Rozzano (Milan, Italy)

Edificio L - Strada 6

Phone: +39 02 55308110

Fax: +39 02 55305739

E-mail: milan@fondazione-menarini.it

www.fondazione-menarini.it

Organizing Secretariat



Arseducandi Srl

Viale Gian Galeazzo 3,

20136 - Milan

Phone: + 39 02 58189243

E - mail: info@arseducandi.it

Website: www.respirami.it

THURSDAY, 24th January 2019

Afternoon

01:00 - 01:30 pm Opening - Welcome Addresses
Stefano Boeri - Fondazione
La Triennale di Milano (Milan, IT)
Silvano Bosari - Fondazione IRCCS
Ca' Granda Ospedale Maggiore
Policlinico (Milan, IT)

New evidence on health effects of air pollution

Chairs: F. Forastiere (Rome, IT) - S. Harari (Milan, IT)

01:30 - 02:10 pm **Zorana Andersen** (Copenhagen, DK)
Exposure to air pollution
and cancer risk

02:10 - 02:50 pm **Francesco Forastiere** (Rome, IT)
Updates on cardiovascular effects
of air pollution

02:50 - 03:30 pm **Sergio Harari** (Milan, IT)
Updates on respiratory effects
of air pollution

03:30 - 04:00 pm Panel Discussion

04:00 - 04:40 pm *Coffee Break*

Chairs:

A. Peters (Munich, DE) - M.C. Facchini (Bologna, IT)

04:40 - 05:20 pm **Monica Guxens** (Barcelona, ES)
Early life air pollution exposure,
neuropsychological development,
and neuroimaging in children

05:20 - 06:00 pm **Annette Peters** (Munich, DE)
Environmental exposure and disease:
role of the epigenome

06:00 - 06:40 pm **Frank Kelly** (London, UK)
Mechanisms of particulate matter
(PM) toxicity

06:40 - 07:10 pm Panel Discussion

07:10 - 07:40 pm Closing Remarks

FRIDAY, 25th January 2019 Morning

Health effects of very low and very high PM levels

Chairs: G. Hoek (Utrecht, NL) - H. Kan (Shanghai, CN)

09:00 - 09:30 am **Gerard Hoek (Utrecht, NL)**
Combining evidence from studies
on the effects of air pollution
at low level

09:30 - 10:00 am **Haidong Kan (Shanghai, CN)**
Evidence on the health risks from
highly polluted regions

10:00 - 10:30 am **Michela Baccini (Florence, IT)**
Causal approaches to study the
effects of air pollution

10:30 - 11:00 am *Coffee Break*

Understanding impact of PM components and sources

Chairs: B. Hoffmann (Dusseldorf, DE) - X. Querol (Barcelona, ES)

11:00 - 11:30 am **Jason Sacks (Durham, NC, USA)**
*Particulate Matter Integrated
Science Assessment (External Review
Draft): Evaluation of Health Effects
Attributed to Exposures to PM
Components and Sources*

11:30 - 12:00 am **Barbara Hoffmann (Dusseldorf, DE)**
Ultrafine particles and health effects

12:00 - 00:30 pm **Xavier Querol (Barcelona, ES)**
AIRUSE-LIFE PM_x source
apportionment and measures
to abate urban air pollution in
Southern Europe

00:30 - 01:00 pm **Fulvio Amato (Barcelona, ES)**
Non-exhaust emissions:
sources and health effects

01:00 - 02:00 pm *Lunch*

FRIDAY, 25th January 2019 Afternoon

Research on air pollution and health in Italy

Chairs: M. Stafoggia (Rome, IT) - G. Cesaroni (Rome, IT)

02:00 - 02:20 pm **Giovanni Viegi (Palermo, IT)**
The Beep project

02:20 - 02:40 pm **Massimo Stafoggia (Rome, IT)**
Fine resolved daily PM maps in Italy
using satellite data

02:40 - 03:00 pm **Giulia Cesaroni (Rome, IT)**
New evidence from the Rome
Longitudinal Study

03:00 - 03:20 pm **Franca Rusconi (Florence, IT)**
Air pollution and health effects in
children: the Piccoli più project

03:20 - 03:40 pm **Carla Ancona (Rome, IT)**
Noise and air pollution: mapping
and incidence of diseases

03:40 - 04:00 pm **Andrea Ranzi (Modena, IT)**
Particulate matter components,
sources and health effects

04:00 - 04:30 pm *Coffee Break*

Chairs: L. Bisceglia (Bari, IT) - P. Michelozzi (Rome, IT)

04:30 - 04:50 pm **Lucia Bisceglia (Bari, IT)**
Industrial pollution and health:
experience from the Apulia Region

04:50 - 05:10 pm **Fabiana Madotto (Milan, IT)**
Studying the health effects
of air pollution in Lombardy

05:10 - 05:30 pm **Paola Michelozzi (Rome, IT)**
Climate and air pollution: an integrated
system to prevent acute health effect
of temperature and air pollution in
Italian cities

05:30 - 06:00 pm **Open discussion:** What is missing
in research on the health effects
of air pollution in Italy

SATURDAY, 26th January 2019 Morning

Using evidence to support policies addressing health risks of air pollution

Chairs: S. Gumy (Geneva, CH) - M. Krzyzanowski (Warsaw, PL)

08:30 - 09:00 am **Michal Krzyzanowski (Warsaw, PL)**
Approaches and challenges in estimating the health impact of air pollution

09:00 - 09:30 am **Sophie Gumy (Geneva, CH)**
The WHO worldwide impact estimates for 2016

09:30 - 10:00 am **Pier Mannuccio Mannucci (Milan, IT)**
Greenness mitigates the noxious effects of air pollution on health and wellbeing

10:00 - 10:30 am **Markus Amann (Laxenburg, A)**
Challenges in sector-specific emission reductions in Europe: short- and long-time perspectives

10:30 - 11:00 am *Coffee Break*

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

11:30 - 12:00 am **Vicente Franco (Brussels, B)**
Europe's air quality legislation in review: the fitness check of the Ambient Air Quality Directives

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

Chairs: P.M. Mannucci (Milan, IT)

S. Harari (Milan, IT) - F. Forastiere (Rome, IT)

12:00 - 03.00 pm **Ugo Taddei (Brussels, B)**

The legal European initiatives,

Anna Gerometta (Milan, IT)

Control of traffic and diesel vehicles to reduce NO₂ concentrations in Italy

Andrzej Gula (Krakow, PL)

Household combustion of solid fuel regulations to reduce PM concentrations in Poland

Thiago Herick De Sa (Geneva, CH)

WHO Urban Health Initiative: creating demand for action against air pollution through health knowledge and leadership

Closing of Respirami 3

FACULTY LIST

Markus Amann

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

Fulvio Amato

Institute of Environmental Assessment and Water
Research (IDAEA)
Spanish Research Council (CSIC)
Barcelona, Spain

Carla Ancona

Epidemiology Department, Regional Health Service
Lazio
Rome, Italy

Zorana Andersen

Epidemiology at the Centre for Epidemiology
and Screening, Department of Public Health,
University of Copenhagen
Copenhagen, Denmark

Michela Baccini

Department of Statistics, Computer Science,
Applications' G. Parenti '(DiSIA)
Florence, Italy

Richard Ballaman

Federal Office for the Environment (FOEN)
Air Pollution Control and Chemicals Division
Air Quality Management Section
Berne, Switzerland

Lucia Bisceglia

Service Analysis of health supply
and demand and epidemiological evaluation
of relative dynamics.
Bari, Italy

Giulia Cesaroni

Epidemiology Department, Regional Health Service
Lazio
Rome, Italy

Thiago Herick De Sa

World Health Organization WHO Department
of Public Health and Environment (PHE)
Geneva, Switzerland

Maria Cristina Facchini

Italian National Research Council CNR,
Institute of Atmospheric Sciences and Climate Isac
Bologna, Italy

Francesco Forastiere

Environmental Research Group King's College, London,
Rome, Italy

Vicente Franco

European Commission
Directorate-General for the Environment Clean Air unit
Brussels, Belgium

Anna Gerometta

Environmental Law - Citizens for Air Association
Milan, Italy

Andrzej Gula

Institute of Environmental Economics
Krakow, Poland

Sophie Gumy

World Health Organization
Geneva, Switzerland

Monica Guxens

ISGlobal, Barcelona Institute for Global Health
Barcelona, Spain

Sergio Harari

Respiratory Diseases and Department of Medicine,
Ospedale Classificato
San Giuseppe Multimedica, IRCCS
Milan, Italy

Gerard Hoek

Institute for Risk Assessment Sciences,
Utrecht University
Utrecht, The Netherlands

Barbara Hoffmann

Institute for Occupational,
Social and Environmental Medicine -
University Clinic Dusseldorf,
Dusseldorf, Germany

Haidong Kan

Environmental health sciences,
Fudan University, Shanghai
Shanghai, China

Frank Kelly

Environmental Health
Environmental Research Group
MRC-PHE Centre for Environment and Health
King's College - London
London, UK

Michal Krzyzanowski

Environmental Research Group King's College London
Warsaw, Poland

Fabiana Madotto

University of Milan Bicocca UNIMIB
Department of Health Science
Milan, Italy

Pier Mannuccio Mannucci

Internal Medicine, IRCCS Fondazione Ca' Granda
Ospedale Maggiore Policlinico
Milan, Italy

Paola Michelozzi

U.O.C. Environmental Epidemiology Regional
Health Service of Lazio
Rome, Italy

Annette Peters

Institute of Epidemiology,
Helmholtz Zentrum German Research Center
for Environmental Health
München, Germany

Xavier Querol

IDAEA-CSIC, Institute of Environmental Assessment
and Water Research, Department of Geosciences
Barcelona, Spain

Andrea Ranzi

Regional EPA of Emilia-Romagna,
Centre for Environment and Health
Modena, Italy

Franca Rusconi

Hospital Meyer
Florence, Italy

Jason Sacks

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

Massimo Stafoggia

U.O.C. Environmental Epidemiology Regional
Health Service of Lazio
Rome, Italy

Ugo Taddei

Strategic Litigation Clean Air Project Leader
ClientEarth
Brussels, Belgium

Giovanni Viegi

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

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, 24th January, from 11.00 am to 07.40 pm
Friday, 25th January, from 08.30 am to 07.00 pm
Saturday, 26th January, from 08.00 am to 04.00 pm

Official Language

The official language of the Seminar is English

Participation

The Seminar is reserved for N. 120 Physicians

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 18th, 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, 24th January, from 11.00 am to 07.40 pm

Friday, 25th January, from 08.30 am to 07.00 pm

Saturday, 26th January, from 08.00 am to 04.00 pm

Lunches and coffee breaks

Lunches and coffee breaks will be served in the Seminar area

Abstracts

Participants will receive Abstracts book at the Seminar

