

International Meeting of Environment and Health Air pollution, health and emerging medical issues

Air pollution is an increasing concern for Humanity. The subject urgently needs more attention of medical scientists and society alike. Air pollution has long been recognized as a major health threat with multiple impacts, increasing mortality and morbidity. Pulmonary and cardio-vascular diseases are well known outcomes. Brain impacts are an emergent challenge as are epigenetic changes and developmental issues. This conference will tackle these issues for the first time in an interprofessional and translation approach. Our goal is to bring together basic researchers, epidemiologists, public health specialists and neurologists to assess current knowledge and identify key gaps that mandate further research.

Language: English

Conference Venue: Strasbourg

Registration will open end of September.

30 November

Venue Council of Europe,

14.00 Opening and introduction

14.15 Session: How to assess causality

The Bradford –Hill Criteria L. Godderis (KU Leuven Belgium)

Experimental evidence PS Spencer (OSHU Portland USA)

Health geography and the holistic approach P. Handschumacher (UDS Strasbourg, IRD)

Is big data the answer to causality? Luc Soler (IRCAD, Strasbourg)

16.30-17.00 Break

17.00-18.00 Session: Lessons and consequences

Causality and sustainable development: an economist point of view A. Rab (EOSD Karlsruhe, Germany),

Science with/without conscience? J.Reis (Strasbourg)

1 December

Venue: CDE campus of the University of Strasbourg

8.30 Session: Indoor/outdoor air pollution, what are the differences?

Survey and monitoring of indoor air Ralph Baden (Luxembourg)
Characteristics of Outdoor air (Strasbourg)

9.30- 10.00 Break

10.00 Session CVD & Stroke and air pollution

Lessons from the French register of Dijon Maurice Giroud, (Dijon, France)

Air pollution and stroke, a review Thomas Bourdrel (Strasbourg, France)

Understanding mechanisms of CVD and stroke. Marie A Bind (Harvard, USA)

Microglial priming through the lung-brain axis: the role of air pollution-induced circulating factors. Michelle Block (Indianapolis, Indiana, USA),

12.00- 13.30 Lunch

13.30 Session Neurodegenerative diseases & multiple sclerosis and air pollution

Does air pollution cause multiple sclerosis relapses in France? Emmanuelle Leray (Rennes, France) + Marie Abèle Bind (Harvard, USA)

Update on air-borne environmental exposures in MS, especially organic solvent exposure and tobacco smoking. Anne-Marie Landtblom (Uppsala Sweden)

Multiple sclerosis and air pollution exposure: From common mechanisms toward brain autoimmunity, Sayed Esmail Mousavi (Shahrekord, Iran)

ALS and bioaerosols, William Camu, (Montpellier France)

16.00- 16.30 Break

16.30 Session Epigenetics & foetal development and air pollution,

Pollution and development in children (focus on lung development), Philipp Latzin (Bern, Switzerland)

Effect of exposure to ambient polycyclic aromatic hydrocarbons on striatum and attention deficit hyperactivity symptomatology in primary school children Marion Mortemais (IS Global Barcelona, Spain)

Effects of temperature and relative humidity on DNA methylation Marie A Bind (Harvard, USA)

Telomere length and air pollution Tim Nawrot (Hasselt, Belgium)

18.30 Free communications

The access ways to brain A. Buguet and R. Cespuglio (Lyon France)

The Effects of Air Pollution on Neurological Diseases in Turkey Dr.Semih Ayta (Haseki Training and Research Hospital, Fatih/Istanbul/Turkey)

Short-term effects of daily exposure to Diesel exhaust during gestation on the olfactory system development in rabbits' pups Estefania Bernal Melendez Henri Schroeder (Nancy, France)