Webinar Magistrali 2024

Italian Society of Occupational Medicine

HUMAN HEALTH RISKS FROM THE WORKPLACE TO THE GENERAL ENVIRONMENT OF LIFE: WHAT LESSONS FOR RESEARCHERS AND PROFESSIONALS INVOLVED IN THEIR IDENTIFICATION, QUANTIFICATION, AND PREVENTION?

In the last four decades, an increasingly deep and widespread conviction has arisen in the scientific community regarding the interconnection between study and prevention of occupational and general population health risks.

The toxicological field of research was certainly the first to be focused on by researchers, professionals, and regulators focused on polluted areas affected by diffuse or conveyed pollution from production plants and, therefore, also the areas immediately surrounding the industrial sites or areas closer to them and the general population groups living there. Attention was then extended, following a more and widespread sensitivity among public opinion, to increasingly larger areas affected by pollutant dispersion in air, water, soil, and food, a phenomenon that today has affected even the most remote regions of our planet.

Alongside the industrial sources, the sources of pollution that have been added or that in some areas have become prevalent such as those linked to vehicular traffic, domestic heating sources, and different forms of waste treatment, all assuming an increasingly important role. Natural background, wind trend, and geomorphological conformation have then represented (see: Po Valley) further elements in global conditioning of the phenomenon.

The levels of current occupational exposure have gradually been lowered and the general environmental levels have reached those that can no longer be negligible, thus conditioning the interpretation of the results of biological and environmental monitoring practices in the workplace and the assessment of the system of guide values (reference values, action levels, limits).

Another important point concerns the characterization of the adverse effects related to exposure in different population groups which confirms the interconnection between what happens in the workplaces and in the general environment. In addition to the well-known difference between workers and members of the general population linked to age classes (traditionally 20-65 years) and the individual selection deriving from preventive and periodic health surveillance activities, variables not strictly belonging to the toxicological area such as psychosocial or socio-economic conditions, family and individual lifestyles must be taken into account for an accurate comparison between work and environment exposure, traditionally not negligible in the study and interpretation of low-dose exposed workers. These, in fact, represent significant risk determinants to be identified for correct classification in both health surveillance practices and epidemiological studies.

Program

May 3rd 2024 | 3pm - 5pm
The role of research in the understanding of the effects of occupational and environmental xenobiotics

Andrea Baccarelli, Dean of the Faculty Harvard T.H. Chan School of Public Health.
Chair: Pietro Apostoli, coordinator of the Scientific Committee of Italian Society of Occupational Medicine

Registration: **CLICK HERE**

May 24th 2024 | 3pm - 5pm
The history of occupational and environmental exposure to carcinogens

Manolis Kogevinas, Barcelona Institute for global Health
Chair: Paolo Boffetta, University of Bologna

Registration: **CLICK HERE**

June 28th 2024 | 3pm - 5pm
Protective mechanisms, thresholds and cancer prevention. What lesson from research on chromium?

Silvio De Flora, Professor Emeritus University of Genova
Chair: Antonio Mutti, Editor in chief of "Work Environment Health"

Registration: **CLICK HERE**

July 26th 2024 | 3pm - 5pm
Neonicotinoides: a paradigm of human-environmental toxicity

Martin Wilks, University of Basel
Chair: Angelo Moretto, University of Padova

Registration: **CLICK HERE**

October 25th 2024 | 3pm - 5pm
Benzene: from very high to very low exposures... what (adverse) effects in exposed subjects?

Angela Pesatori, University of Milano
Chair: Francesco Violante, University of Bologna

Registration: **CLICK HERE**

November 22nd 2024 | 3pm - 5pm
Functional and biological markers of occupational and environmental exposure to fine- ultrafine dusts and nanoparticles

Anna Carin Olin, University of Gothenburg
Chair: Massimo Corradi, University of Parma

Registration: **CLICK HERE**

Registrations

Webinars will take place in Microsoft Teams platform.
In order to get the link to join the meeting, it's necessary to register using the link of the form mentioned below each webinar.

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