



### The ILO Turin Centre's facilities

Located in an attractive park on the banks of the River Po, the Centre's campus provides a congenial environment in which to live and study.

- It contains 21 pavilions with fully equipped modern classrooms, conference halls and meeting rooms fitted out for multilingual simultaneous interpretation, a computer laboratory, and a computerized documentation centre linked to various data banks.

The campus has 287 study/bedrooms, all with private bathrooms, telephones and cable television. It also has:

- a reception desk open 24 hours a day;

- a restaurant, a self-service canteen and a coffee lounge, all catering for international dietary needs;
- a bank;
- a travel agency;
- a laundry service;
- a post office;
- an internet point;
- a recreation room;
- facilities for outdoor and indoor sports;
- an infirmary.

Social events are regularly held both on and off campus, so that participants from different cultural backgrounds can make the most of the stimulating international climate.

### For further information, please contact

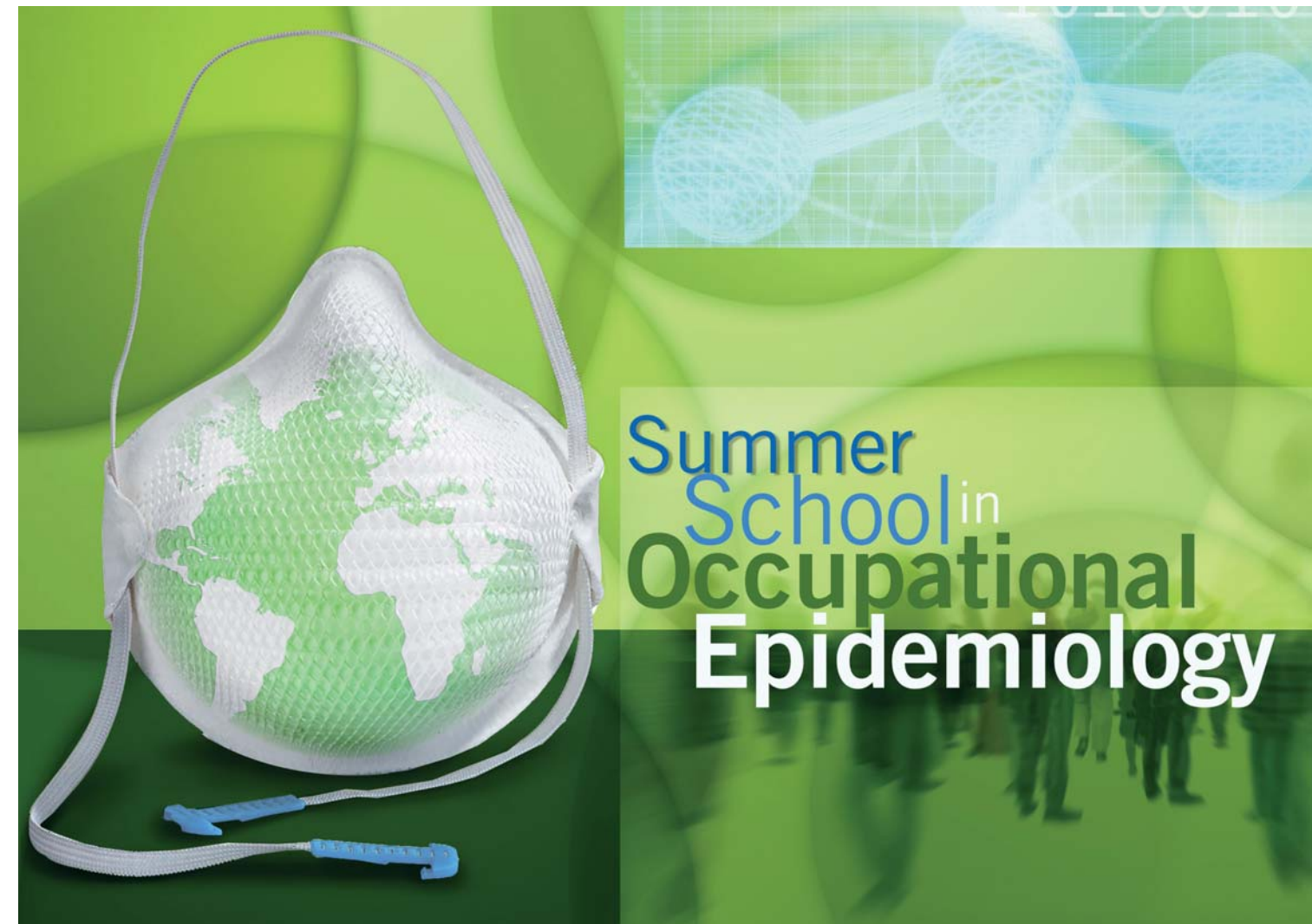
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# Summer School in Occupational Epidemiology

A909235

## Summer School in Occupational Epidemiology

Turin, Italy  
 4 – 15 July 2016



UNIVERSITÀ  
 DEGLI STUDI  
 DI TORINO



International Training Centre

www.itcilo.org



# Summer School in Occupational Epidemiology



## Introduction

Epidemiology represents a central tool in occupational medicine. Epidemiologic studies, both industry- and community-based, have been instrumental towards the identification of the occupational risk factors we know today, and of the magnitude of the risk associated with their exposure. Epidemiology methods are the basis for effective surveillance programs of exposed workers and for evaluating interventions. Furthermore, key methodological advances in epidemiology research were first developed in the context of occupational studies, and later used in other areas of the discipline, including the historical cohort study, the methodology for indirect standardization. Retrospective assessment of exposures of interest and confounders, as well as validity of outcome assessment, also find their roots in occupational epidemiology.

Most occupational epidemiology studies have been conducted in high-income countries, including North America, (Western) Europe, Oceania and Japan; however, a growing number of investigations have been conducted in the last decades in emerging regions, including East and South East Asia, Southern Africa and Latin America. As other regions of the world are rapidly evolving economically and socially, there are novel opportunities to apply occupational epidemiology methods to previous understudied exposure circumstances and health effects.

The Summer School in Occupational Epidemiology organized by the International Training Centre of the International Labour Organization (ITCILO) and the University of Turin intends to offer a short yet detailed introduction to occupational epidemiology in to health professionals, and in particular those from regions with limited opportunities for advanced training, with the ultimate goal to support research, surveillance and evaluation on a global scale.

Through this Summer School, ITCILO intends to disseminate its international experience and facilitate knowledge sharing and exchanges on innovative and successful strategies to promote occupational epidemiology practice in academia, government and the private sector.



## Objectives

The general objective of the course is to strengthen the capacity in occupational epidemiology, including the ability to design, implement, analyze and report research projects, establish surveillance and evaluation program,

and interpret published reports. Upon completion of this course, participants will be able to:

- To understand the principles and methods of occupational epidemiology, and their applications in real-life circumstances.
- To design, implement, assess and report different types of interventions in occupational epidemiology, including research projects, surveillance schemes, and evaluation activities, and to identify their potential contribution to larger objectives of occupational safety and health, and workplace disease prevention in particular.
- To advise in the implementation of policies, strategies and approaches in the prevention of occupational accidents and diseases, for which occupational epidemiology methods are relevant.
- To develop recommendations on the feasibility of applying different approaches and experiences to national and institutional contexts.
- To transfer knowledge on the different best practices to promote occupational epidemiology practice in their countries and regions.



## Topics

- Measures of occurrence
- Measures of association
- Cohort studies
- Cross-sectional studies
- Case-control studies
- Evaluation studies
- Exposure assessment
- Bias and confounding
- Effect modification
- Meta-analysis
- Causal inference
- Attributable risk
- Use of routine data
- Epidemiologic approaches to exposure and health surveillance
- Use of biomarkers
- Ethical aspects of occupational epidemiology
- Describing and presenting data
- Writing an occupational epidemiology paper



## Language

English



## Participants' profile

The course is aimed at:

- health professionals involved in occupational health research, surveillance and evaluation in government, academia and the private sector;
- graduate and post-graduate students in occupational health and safety;
- other professionals from training institutions involved in occupational health and safety.

A basic knowledge of epidemiology methods is expected.



## Methodology

The methodology will be centred on the participants and the learning process, with the support of teaching assistants. The training methodology will use active methods for learning, making use of the knowledge and the experience of participants, promoting a permanent communication among participants, through group work, and discussions, that will facilitate their integration and participation in the course activities.

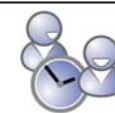
Participants will also be presented with pertinent documentation as a follow-up to the presentations in order to expand the knowledge about the course topics.

At the end of the course, an individual evaluation questionnaire will be used to allow participants to express their view about the training. It is expected that, upon return to their own institutions, participants may develop occupational epidemiology activities in collaboration with members of the faculty.



## Senior Faculty

- P. Boffetta, Icahn School of Medicine at Mount Sinai, New York NY, USA (Co-director)
- E. Pira, University of Turin, Turin, Italy (Co-director)
- H. Checkoway, University of California at San Diego, San Diego, CA, USA
- C. La Vecchia, University of Milan, Milan, Italy
- P. Lees, Johns Hopkins University, Baltimore, MD, USA
- K. Mundt, Ramboll Environ, Amherst, MA, USA
- D. Richardson, University of North Carolina, Chapel Hills, NC, USA



## Applications

The course fee for participation, excluding international air travel, is **EUR 3,200**, payable in advance by the participant or his or her sponsoring organization. This covers tuition fees; the use of training facilities and support services; training materials and books; emergency medical care and insurance and a subsidy for the lunch during the 10 days of the course.

Accommodation and full board at the ITCILO s campus is possible for a limited number of participants at an additional cost of EUR 1,250. Candidates interested in the accommodation and full board in the facilities of the Centre's campus should mention it in the application form.

Applications to participate in the course should be done "on line" in the following webpage:

<http://intranetp.itcilo.org/STF/A909235/en>

The deadline for applications is **8 May 2016**.

The course will not take place with fewer than 18 participants.

The filled-in application form should be accompanied by a nomination letter from the sponsoring institution indicating how the participant will be financed. After the deadline for applications (8 May 2016), selected candidates will receive confirmation of their registration in the course and will be requested to make the payment before the beginning of the course through bank transfer.

The payment, cancellation and refunds policy of the ITCILO can be consulted in the following website:

<http://www.itcilo.org/en/training-offer/how-to-apply>