

ID

TM28_DIP_SAN

Teach Mob – Visiting Professors ***Academic year 2016/2017***

1 st Term
<p>COURSE TITLE Prevention of environmental and occupational diseases</p>
<p>Scientific area MED/44 – Medicina del Lavoro</p>
<p>Department of Sciences of Public Health and Pediatrics</p>
<p>Language used to teach: English</p>
<p>Teaching Commitment: 16 hours</p>
<p>Course summary Clinical and epidemiological studies have identified a number of important occupational diseases, which have largely been prevented through improvements in industrial hygiene and technology. While high-risk exposure circumstances are rarely occurring today, at least in high-income countries, low level exposure are still prevalent in the workplace, and in the general environment. Understanding the potential health risks of such exposures is a complex task, involving epidemiology, toxicology, risk assessment, and prevention research. In parallel, novel health risks have been identified in the workplace, which are linked to job-related changes in behavioral and lifestyle risk factors. The course will explore the complex and rapidly changing field of occupational and environmental diseases, and the strategies for their prevention, including topics such as molecular epidemiology, risk assessment, biomonitoring, extrapolation of toxicological data, population burden of disease, integrated environmental and health impact assessment, and quantitative and economic assessment of prevention strategies. It will combine methodological and substantive aspects of prevention of occupational and environmental diseases, including case-studies, practical examples, and exercises.</p>
<p>Learning objectives At the end of the course the students will be able to:</p> <ul style="list-style-type: none"> - understand the role of preventive activities in reducing the burden of occupational and environmental diseases; - critically evaluate published studies aimed at preventing occupational and environmental diseases; - contribute to the design and conduct of prevention research on occupational and environmental diseases; - develop further skills in prevention of occupational and environmental diseases.
<p>Tutorship activities</p>
<p>Lab activities Practical exercises on</p> <ul style="list-style-type: none"> - critical reading of scientific papers - developing research protocols - addressing and solving real-world problems
<p>Other activities besides the course: i.e. seminars and conferences addressed to PhD students and research fellows, dissemination conferences</p>

Visiting Professor Profile

The Visiting Professor should have experience in chronic disease epidemiology and prevention, molecular epidemiology, risk assessment, biomonitoring, integration of human and toxicological data, assessment of population burden of disease, integrated environmental and health impact assessment, and quantitative assessment of prevention strategies. He/she should have experience, preferably at the international level, in both methodological and substantive aspects of prevention of occupational and environmental diseases, including direct experience in population studies. He/she should have experience in teaching, preferably in international academic centers, in the areas of the course.

Contact person at the Department

Prof. Enrico Pira – enrico.pira@unito.it