

ONLINE TRAINING COURSE ON:**OCCUPATIONAL EPIDEMIOLOGY: MODERN METHODS AND HARMONISED APPROACHES**

A training school coordinated by COST Action CA16216 “Network on the Coordination and Harmonisation of European Occupational Cohorts”

21 September - 7 October 2021 Online

Course coordinators:

Ariadna Moreno, Barcelona Institute for Global Health (ISGlobal), Spain
Neil Pearce, The London School of Hygiene & Tropical Medicine, UK
Michelle Turner, Barcelona Institute for Global Health (ISGlobal), Spain

Course faculty:

Alex Burdorf, Erasmus MC, the Netherlands
Irina Guseva Canu, Center for Primary Care and Public Health (Unisanté), University of Lausanne, Switzerland
Manolis Kogevinas, Barcelona Institute for Global Health (ISGlobal), Spain
Tom Loney, Mohammed Bin Rashid University of Medicine and Health Sciences, United Arab Emirates
Neil Pearce, The London School of Hygiene & Tropical Medicine, UK
Susan Peters, Utrecht University, the Netherlands
Mary Schubauer-Berigan, International Agency for Research on Cancer (IARC), France
Ingrid Sivesind Mehlum, STAMI, Norway
Michelle Turner, Barcelona Institute for Global Health (ISGlobal), Spain



Course description: This introductory course on Occupational Epidemiology: Modern Methods and Harmonised Approaches, seeks to provide training and networking opportunities for students and early career researchers in occupational epidemiology and exposure assessment. The course will cover topics on a range of topics including: study design in occupational epidemiology, exposure assessment, types of bias including confounding, and current debates on causality. The course will highlight modern methods and recent methodological approaches in occupational epidemiology, with a particular focus on international efforts in coordination and harmonisation in the field. The format of the course will be based on a series of faculty lectures, student presentations, and student exercises, in addition to keynote lectures highlighting recent achievements. Basic knowledge of epidemiology, occupational health, or a related discipline is required. Participants will be provided with a certificate of completion.

Student presentations: Two student presentations of 5 minutes each (plus 10 minutes for discussion) will be organized throughout the course to present and discuss any methodological issue in the student's ongoing work in occupational epidemiology. Interested students can send a title and brief description (a few sentences) of the proposed presentation to the course coordinators (Neil Pearce: Neil.Pearce@lshtm.ac.uk and Michelle Turner: michelle.turner@isglobal.org) by September 10, 2021.

Program Tuesday 21 September 2021

Note all times are CEST.

14:00 – 14:15	Welcome and Introductions Neil Pearce, Michelle Turner, Ariadna Moreno
14:15 – 15:00	Epidemiology and occupational health: the need for a coordinated approach Manolis Kogevinas
15:00 – 15:45	Overview of study designs Neil Pearce
15:45 – 16:00	Break
16:00 – 16:45	Overview of types of bias Neil Pearce
16:45 – 17:00	Introduction to Exercise 1: Study design Michelle Turner

Program Thursday 23 September 2021

14:00 – 14:30	Occupational case studies and case-series Michelle Turner
14:30 – 15:30	Occupational case-control studies Michelle Turner
15:30 – 15:45	Break
15:45 – 16:30	Occupational record linkage studies Ingrid Sivesind Mehlum
16:30 – 17:00	Student Presentations 1. Nikola Zivadinovic, Norway, The Telemark study - identifying occupational and environmental risk factors for development of obstructive respiratory disease - a five-year follow-up 2. Erdem Erkoyun, Turkey, Occupational Risk Factors and Health Outcomes of Family Physicians in Turkey: A Cohort Protocol

Program Tuesday 28 September 2021

Note all times are CEST.

14:00 – 14:45	Occupational cohort studies Mary Schubauer-Berigan
14:45 – 15:30	The IARC hazard identification approach Mary Schubauer-Berigan
15:30 – 15:45	Break
15:45 – 16:30	Guest lecture 1 Irina Guseva Canu – Research in occupational burnout: a harmonised approach
16:30 – 17:00	Student Presentations 1. Jesper Medom Vestergaard, Denmark, The immediate risk of myocardial infarction following night shift work: the impact of changes in day-by-day working hour patterns 2. Emeline Lequy-Flahault, France, Cadmium and risk of incident cancer: interaction between occupational and environmental exposures in the French Gazel cohort 3. Zakia Mediouni, Switzerland, Job retention and health status following suffering an at work consultation
17:00 – 17:15	Introduction to Exercise 2: Pooled analysis of cohort studies Michelle Turner

Program Thursday 30 September 2021

14:00 – 14:45	Bias and confounding Manolis Kogevinas
14:45 – 15:30	New study designs Manolis Kogevinas
15:30 – 15:45	Break
15:45 – 16:30	Guest lecture 2 Tom Loney – Occupational UV: global evidence
16:30 – 17:00	Student Presentations 1. Amaya Ayala Garcia, Spain, Return to work trajectories of a sample of Catalanian salaried workers who suffered a sickness absence due to cancer 2. Ferenc Kudas, Hungary, Disease effect on the workability among ageing Hungarian workers 3. Olimpia Maria Varva, Romania, Individual work capacity, co-morbidities, interactive risk factors assessment

Program Tuesday 5 October 2021

Note all times are CEST.

14:00 – 14:45	Occupational exposure assessment Alex Burdorf
14:45 – 15:30	Future perspectives in exposure assessment Alex Burdorf
15:30 – 15:45	Break
15:45 – 16:30	Guest lecture 3 Susan Peters – Development of a JEM for COVID-19: multi-country experience
16:30 – 17:00	Student Presentations 1. Carla Martins, Portugal, Occupational exposure in an e-waste setting 2. Mustafa Enes Ozden, Turkey, HU-COVACS 3. Susana Viegas, Portugal, Sampling strategy approach, exposure assessment and data analysis
17:00 – 17:15	Introduction to Exercise 3: Exposure harmonisation Susan Peters

Program Thursday 7 October 2021

14:00 – 14:45	International collaboration in occupational health Michelle Turner
14:45 – 15:30	Exposome in occupational research Manolis Kogevinas
15:30 – 15:45	Break
15:45 – 16:30	Current debates on causality in occupational epidemiology Neil Pearce
16:30 – 17:00	Student Presentations 1. Paula Santia, Spain, Mental health in the working population of Iberoamerica 2. Max Rohrbacher, Germany, Educational inequalities in early exit from employment. The role of work, health and work ability 3. Michael Silva, Spain, Health inequities and paid work in Latin America and the Caribbean
17:00 – 17:15	Course Closing Neil Pearce, Ingrid Sivesind Mehlum
