

The global fight against cancer: Where are we with the big breakthrough? How do we tackle it with epidemiology?

Course facilitators:

Dr Elisabetta Rapiti, Dr Robin Schaffar, Geneva Cancer Registry (GCR), Global Health Institute, University of Geneva

Guest speakers: Dr. Jean-Luc Bulliard (Division des Maladies Chroniques, IUMSP Université de Lausanne); Dr Catherine de Martel (Infection and Cancer Epidemiology, IARC, Lyon); Dr Cherian Varghese (Coordinator Management of Non-communicable diseases, WHO Geneva)

Brief course description

This course will provide the participants with an understanding of the principles of cancer epidemiology. By the end of the course, the students will have an overview of global cancer burden, its surveillance, etiology and prevention. They will understand issues in cancer screening. Also, the participants will sharpen their critical skills by understanding how studies are designed and evaluated including their biases.

Course objectives:

- To review the knowledge on the occurrence and causes of human cancers and the means to prevent them
- To examine the role of epidemiology in the study of cancer causes and in the evaluation of preventive strategies

Monday, 9 April 2018

10h00-10h15 General introduction (Elisabetta Rapiti & Robin Schaffar)

10h15-11h30 Cancer & cancer epidemiology (Elisabetta Rapiti)

History and background

Cancer registration

The global burden of cancer

- 11h30-12h30** Cancer epidemiology: definitions and methods (Robin Schaffar)
- 12h30-13h30** **Lunch**
- 13h30-15h00** Prevention of cancer (Dr Jean-Luc Bulliard, Institute of Social and Preventive Medicine, University of Lausanne)
- Primary prevention
- Cancer screening and early detection
- 15h00-15h45** Otis Brawley Ted talks: War on cancer, year 40: who is winning?
- 15h45-16h00** **Coffee break**
- 16h00-17h30** Methods for identifying causes and preventive factors (Robin Schaffar)
- 17h30-18h30** Causes of cancer: Infections and cancer (Dr Catherine de Martel, Infections and Cancer Epidemiology Group, IARC, Lyon)

Tuesday, 10 April 2017

- 8h30-9h15** Causes of cancer: Lifestyle, occupational, environmental factors (Elisabetta Rapiti)
- 9h15-10h45** Innovative cancer treatment options (to be confirmed)
- 10h45-11h00** **Coffee break**
- 11h10-12h10** Cancer control programmes (Dr Cherian Varghese, Coordinator Management of Non-communicable diseases, WHO Geneva)
- 12h15-13h00** Assessment of the evidence: the role of IARC and expert agencies (Elisabetta Rapiti)
- 13h00-13h30** Final discussion and course evaluation.