

### Main Degree or Qualification, Diploma and Certificated held

Degree or Diploma: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### Most recent employment

Employer: \_\_\_\_\_

\_\_\_\_\_

Position held: \_\_\_\_\_

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### How and where did you hear about this course?

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### Intended source

Self Financing  Sponsor

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

### Contact Addresses

If you need further details on the course please contact:

Emanuela Ciliberto, Unit of Cancer Epidemiology,  
Department of Medical Sciences, University of  
Turin, Via Santena, 7 – 10126 Torino  
Phone +39 011 6334661  
emanuela.ciliberto@unito.it

### Scientific Coordinators:

**Rino Bellocco, Sc.D**

(University of Milano-Bicocca , Karolinska Institutet)

**Lorenzo Richiardi, Ph.D**

(University of Turin)

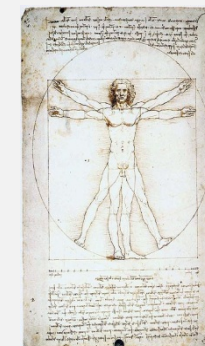
Course homepage: <http://www.causal.altervista.org>

**Location: Department of Statistics and  
Quantitative Methods, “de Lillo” room,  
Building U7, 2<sup>nd</sup> floor, University of Milano-  
Bicocca, Milano.**

### Promotion

The course is promoted by the Italian Society of  
Medical Statistics and Clinical Epidemiology  
(SISMEC) together with the Department of  
Statistics and Quantitative Methods, University of  
Milano-Bicocca and the Department of Medical  
Sciences, University of Turin

## SISMEC Working Group on Causal Inference



### A short course on concepts and methods in Causal Inference

VI Edition

Milan (Italy), 16-18 April 2018

Faculty:

Rino Bellocco                      University of Milano-Bicocca  
Francesca Ghilotti                Karolinska Institutet

Costanta Pizzi                     University of Turin  
Lorenzo Richiardi  
Daniela Zugna

Laura Pazzagli                     Karolinska Institutet

## GOALS AND RATIONALE

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Causal inferences play a predominant role in science. In epidemiology, the goal and the ambition of the most part of the researchers is to determine an unbiased estimate of the effect of being exposed to a given risk factor on a well defined outcome (disease, death). In recent years, there have been important statistical developments that go beyond the traditional multivariable regression techniques.

Aims of this course are to discuss the current state of the art with respect to these issues, while retaining a practical focus and to assess our current and future abilities to address effectively cause-and-effect questions.

## COURSE DESCRIPTION

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### 16 April 2018 – 9:00/18:00

A definition of causal effects: basic concepts in epidemiology seen through causal inference and causal diagrams. Estimation of causal effects through standardization.

### 17 April 2018 – 9:00/17:30

Causal estimation methods: Introduction to marginal structural models for fixed and time-varying confounders.

### 18 April 2018 – 9:00/18:00

Mediation analysis. Interaction and effect Modification.

Teaching will be based on both formal lectures and computer/group sessions.

### Teachers:

Rino Bellocco (University of Milano-Bicocca, Karolinska Institutet)

Francesca Ghilotti (Karolinska Institutet, University of Milano-Bicocca)  
Costanta Pizzi (University of Turin)  
Lorenzo Richiardi (University of Turin)  
Daniela Zugna (University of Turin)  
Laura Pazzagli (Karolinska Institutet)

## WHO SHOULD APPLY?

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Epidemiologists and statisticians with interest in epidemiology, or researchers with similar background. The course is thought at an introduction/intermediate level.

## COURSE FEE AND APPLICATION

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The total course fee is 250 €. Upon acceptance, payment details will be provided. The number of participants is limited to 25. SISMEC members will have a flat discount rate of 150 €.

Applicants should complete the attached form and return it as soon as possible to:

Emanuela Ciliberto, Unit of Cancer Epidemiology,  
Department of Medical Sciences, University of  
Turin  
Via Santena, 7 – 10126 Torino  
Phone +39 011 6334661  
[emanuela.ciliberto@unito.it](mailto:emanuela.ciliberto@unito.it)

**Payment details will be provided as soon as possible after the completion of the application form.**

## APPLICATION FORM

**A short course on concepts and methods in Causal Inference.**

**Milan (Italy) 16 – 18 April 2018.**

Emanuela Ciliberto [emanuela.ciliberto@unito.it](mailto:emanuela.ciliberto@unito.it)

**Please use block capitals**

Surname: \_\_\_\_\_

Forename(s): \_\_\_\_\_

Title: \_\_\_\_\_ Male  Female

Accredited student or post-doc

Date of Birth: \_\_\_\_\_

Nationality: \_\_\_\_\_

Country of Residence: \_\_\_\_\_

Address for correspondence: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Postcode: \_\_\_\_\_

Daytime Telephone No: \_\_\_\_\_

Mobile No: \_\_\_\_\_

E-mail address: \_\_\_\_\_

\_\_\_\_\_

SISMEC Member

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