



Mendelian Randomization and Epigenetic Cancer Epidemiology Workshop

9th – 13th October 2017

This five-day workshop aims to provide an understanding of Mendelian randomization to improve causal inference in epidemiological studies and how to obtain, analyse and interpret epigenetic data within this context

Overview

- 6th October – Introduction to R (optional)**
- 9th October – Causal inference in epidemiology**
- 10th October – Mendelian randomization**
- 11th October – Introduction to Epigenetics**
- 12th October – Epigenetic Epidemiology**
- 13th October – Advanced Epigenetic Epidemiology**

Basic knowledge of epidemiology and genetics required for this course



Registration fee: Rs.3000 (INR) (Rs.1000 (INR) for Introduction to R)

Registration details

Online registration deadline: 15th September 2017

List of selected candidates displayed: 20th September 2017

Deadline to pay registration fees: 30th September 2017

For more details and registration information, please contact:

Ms. Nikita Haresh Rajput
+91-22-2740 5000 (ext. no. 5447)
cce.epigenetics@gmail.com

Venue: Centre for Cancer Epidemiology (CCE), Tata Memorial Centre, ACTREC campus, Kharghar, Navi Mumbai

----- Welcome note -----

Dear friends,

The Centre for Cancer Epidemiology (CCE) is the new centre established by Tata Memorial Centre, Mumbai, one of the premier tertiary cancer treatment and research centres in South Asia. The aim of CCE is to achieve the goal of cancer control by assessing the cancer burden, identifying lifestyle and genetic risk factors, developing and evaluating low cost screening technologies, evaluating outcomes, and conducting education and training in the field of epidemiology and public health.

In order to train individuals in the field of causal inference in population epigenetics, CCE, in collaboration with the Integrative Cancer Epidemiology Programme (ICEP) and the Integrative Epidemiology Unit (IEU) at the University of Bristol and the US National Cancer Institute, is organizing a workshop entitled: Mendelian Randomization and Epigenetic Cancer Epidemiology from the 9th to 13th of October 2017. The workshop will cover the following main topics:

- Introduction to conventional epidemiology (including basic statistics, study designs and potential limitations with observational epidemiological studies).*
- Mendelian randomization as a method for improving causal inference in a conventional epidemiological context.*
- Introduction to epigenetics, epigenetic technologies and the concept of epigenome-wide association studies (EWAS)*
- Conducting, analysing and interpreting results from EWAS, considering causality and identifying biomarkers for use in prediction of outcome.*

Analyses will be conducted using R package and other publically available statistical & bioinformatics software. Participants with no previous experience with R are therefore encouraged to attend the introductory session on R on 6th October 2017 (Venue: Centre for Cancer Epidemiology (CCE), Tata Memorial Centre, ACTREC campus, Kharghar, Navi Mumbai).

MRC

Integrative
Epidemiology
Unit



University of
BRISTOL

Tutors



Dr. Emma Anderson
Research Fellow in Epidemiology



Mr. Ryan Langdon
PhD student in Epigenetic Cancer
Epidemiology



Dr. Sri Ambatipudi
Research Associate in Epigenetic
Epidemiology



Dr. Rebecca Richmond
Senior Research Associate in Epigenetic
Cancer Epidemiology



Mr. Ryan Arathimos
PhD student in Epigenetic Epidemiology



Dr. Kaitlin Wade
Research Associate in Genetic
Epidemiology



Dr. Kim Burrows
Senior Research Associate in
Epigenetic Epidemiology



Dr. Paul Yousefi
Senior Research Associate in Epigenetic
Epidemiology



Mr. Laurence Howe
PhD student in Genetic Epidemiology

Key Speakers



Dr. Preetha Rajaraman
South Asia Programme
Director, NCI, USA



Dr. Rajesh Dikshit
Professor of Epidemiology
CCE TMC, India



Professor Richard Martin
Professor of Clinical
Epidemiology, ICEP, UK

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