

REGISTRATION FEES

The non-refundable registration fee includes the six days training course and coffee breaks (includes Saturday), the welcome reception on Thursday 14 June and a conference dinner on Tuesday 19 June. It excludes transport, accommodation, breakfasts, lunches and dinners.

Academic: €700
Non-academic: €950

APPLICATION

Applicants should complete the online form here, in English, no later than 2 April 2018: [Apply here](#)

DEADLINES

Deadline for application online	2 April 2018
Notification of selection results	10 April 2018
Payment of the registration fee	2 May 2018

More information on
<http://www.bendixcarstensen.com/SPE/>
 and
[IARC Advanced courses](#)
 or contact: cor@iarc.fr

FACULTY



Bendix CARSTENSEN

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International Agency for Research on Cancer,
 Lyon, France

STATISTICAL PRACTICE IN EPIDEMIOLOGY USING R



14-20 June 2018, Lyon, France

International Agency for Research on Cancer
 World Health Organization
 150, cours Albert Thomas
 69372 Lyon CEDEX 08, France

PROGRAMME

The course duration is 6 days. It will start at 08:30 on Thursday 14 June and requires that you arrive in Lyon the day before. Please note that Saturday will be a full working day, Sunday is free. The course will end on Wednesday 20 June at 13:00.

CONTENT

- ✓ History of **R**. Language. Objects. Functions.
- ✓ Interface to other dataformats. Dataframes.
- ✓ Tabulation of data.
- ✓ Logistic regression for case-control-studies.
- ✓ Poisson regression for follow-up studies.
- ✓ Causal inference.
- ✓ Parametrization of models.
- ✓ Graphics in **R**.
- ✓ Graphical reporting of results.
- ✓ Time-splitting & SMR.
- ✓ Nested and matched case-control studies.
- ✓ Case-cohort studies.
- ✓ Survival analysis in continuous time.
- ✓ Competing risk models and relative survival.
- ✓ Multistate models.

All methods will be thoroughly illustrated using **R** in practical exercises.

The Epi package, which is developed for epidemiological analysis in **R**, will be introduced. Particular attention will be given to the reporting of the results; in particular the use of graphics.

AUDIENCE

The course is aimed at epidemiologists and statisticians who wish to use **R** for statistical modelling and analysis of epidemiological data.

The course requires basic knowledge of epidemiological concepts and study types. These will only be briefly reviewed, whereas the more advanced epidemiological and statistical concepts will be treated in depth.



STATISTICAL PRACTICE IN EPIDEMIOLOGY USING **R**
IARC, Lyon – May 2013

VENUE

International Agency for Research on Cancer
World Health Organization
150, cours Albert Thomas
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ABOUT LYON

Established by the Roman Emperor Augustus as the capital city of the Gauls, Lyon has a history dating back over more than 20 centuries. It rapidly became one of the major economic, military, religious and political centres in France over the following centuries.

This international metropolis is also renowned as a place of medical and academic excellence, without forgetting its gastronomy, textile quality, and overall culture creating the reputation of which is known worldwide.

Lyon knows how to seduce and astonish its visitors from all around the globe...