

List of Topics

- Infection Biology
- Diagnostics of host and pathogen
- Clinical diagnostics
- Microbiome
- Quality management
- Study design
- Biobanking

Enrollment is open for

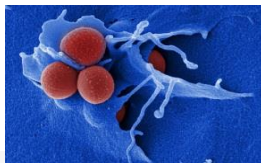
epidemiologists, public health and biostatistics experts as well as students (PhD, MSc, MPH).

Costs (Tuition)

The tuition fee is 350.- EUR for students (please provide certificate of enrollment) and 600.- EUR for external researchers/scientists.

Certificate

On successful completion, participants will obtain a certificate issued by the Department for Epidemiology, HZI and gain 3 ECTS.



Application

The number of participants is restricted and we recommend you to apply as soon as possible. Acceptance is based on a "first come, first served" list.

Registration Information

For further information please contact

spring.school@helmholtz-hzi.de

or

www.helmholtz-hzi.de/springschool

Organization

The spring school „From Lab to Tables“ is a training course offered by the Helmholtz Centre for Infection Research (HZI).

CME

Accreditation as CME certified training course will be applied for at the „Ärztchamber Niedersachsen“.

- Epidemiology - Spring School

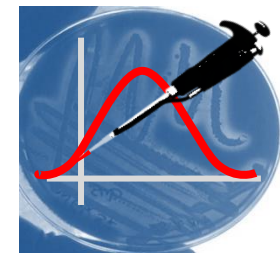
11th – 15th April 2016

9am - 6pm

“FROM LAB TO TABLES”

**Practical Laboratory Course in Infectious
Diseases Epidemiology**

Department for Epidemiology
Helmholtz Centre for Infection Research
Braunschweig



Infectious diseases epidemiology

is a discipline that analyzes the role of infections and bacterial colonization on human health. However, unlike topics explored in other epidemiologic fields, infections are risk factors for disease and outcome at the same time. To study infections and the host response, infectious diseases epidemiology relies heavily on the collection and analysis of biosamples such as nasal swabs and blood.



Spring School

The Spring School „From Lab to Tables“ is a laboratory training course addressing epidemiologists and clinicians interested in infectious diseases laboratory field work. The aim is to provide a practical insight and advanced knowledge in study design aspects and diagnostic tools to analyze biosamples. We offer hands on experience in diagnostic methods used for pathogen detection and classification.

Venue

Helmholtz Centre for Infection Research
Department for Epidemiology
Inhoffenstraße 7
38124 Braunschweig

Teaching methods

The spring school includes introductory lectures, its focus, however, is on practical work in the laboratory. The course will be held in English.

Lab work

The practical work in the lab includes biosampling, bacteria isolation and identification, assays such as Enzyme Linked Immunosorbent Assay (ELISA) and DNA/RNA extraction. Results will be analyzed and discussed.



Administrative Organization

Ms Helga Brink
Department for Epidemiology, Helmholtz Centre for Infection Research (HZI), Braunschweig

Lab Course Instructor

Dr. Claudia Sievers
Epidemiology Laboratory, Department for Epidemiology, HZI, Braunschweig

Lecturers

Dr. Stefanie Castell
Department for Epidemiology, HZI, Braunschweig

Dr. André Karch
Department for Epidemiology, HZI, Braunschweig

Prof. Dr. med. Gérard Krause
Department for Epidemiology, HZI, Braunschweig

Prof. Dr. Jörg Overmann
Leibniz Institute DSMZ – German Collection of Microorganisms and Cell Cultures, Braunschweig

Dr. Folker Spitzenberger
Zentralstelle der Länder für Gesundheitsschutz bei Arzneimitteln und Medizinprodukten - ZLG, Bonn

Dr. Birgit Strommenger
Robert Koch-Institute, Wernigerode

Prof. Dr. Heinz Zeichhardt
EQA Surveys (Instand e.V.) Charité, Center for Diagnostic Laboratory and Preventive Medicine, Berlin

N.N.
Hannover Unified Biobank (HUB), Hannover Medical School