

## List of Topics

- Infection biology
- Diagnostics of host and pathogen
- Clinical diagnostics
- Microbiome
- Molecular epidemiology
- Sampling of biospecimens
- Biobanking
- Hands-on lab experience

## Enrollment is open for

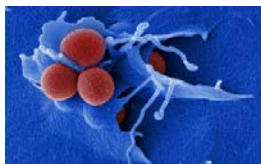
epidemiologists, public health experts and biostatisticians as well as students (PhD, MSc, MPH).

## Costs (Tuition)

The tuition fee is 350.- EUR for external 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 40 Teaching Units.



## Application

The number of participants is restricted and we recommend you to apply as soon as possible. Acceptance is based on *first come, first serve*.

**Deadline is 15<sup>th</sup> March 2018!**

## Registration Information

For further information please contact

[Helga.Brink@helmholtz-hzi.de](mailto:Helga.Brink@helmholtz-hzi.de)

## 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 at the „Ärztekammer Niedersachsen“ will be applied for (48 Fortbildungspunkte of Category C).

# - Epidemiology - Spring School

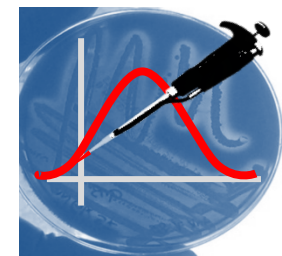
16<sup>th</sup> – 20<sup>th</sup> April 2018

9am - 6pm

**“FROM LAB TO TABLES”**

**Practical Laboratory Course in  
Infectious Disease 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 disease 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 practical insight and advanced knowledge in collection of samples and diagnostic tools. 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 is defined by a balanced mix of interactive hands-on lab experience and presentations. 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 interpreted and discussed.



## Lab Course Instructor

**Dr. Tobias Kerrinnes**  
*Epidemiology Laboratory, Department for Epidemiology, HZI, Braunschweig*

## Administrative Organization

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

## Lecturers

**Dr. Stefanie Castell**  
*Department for Epidemiology, HZI, Braunschweig*

**Dr. Denise Myriam Dekker**  
*Bernhard Nocht Institute for Tropical Medicine, Infectious Disease Epidemiology, Hamburg*

**Dr. André Karch**  
*Department for Epidemiology, HZI, Braunschweig*

**Dr. Yvonne Kemmling**  
*NAKO Gesundheitsstudie, Hannover and HZI, Braunschweig*

**Dr. Norman Klopp**  
*Hannover Unified Biobank (HUB), Hannover Medical School*

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

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

**Dr. Birgit Strommenger**  
*Robert Koch-Institute, Wernigerode*