

I wish to participate in the 3-day course  
(please fill in legibly)

Registration Form  
2<sup>nd</sup> Ruhr School of Modern Epidemiology

First Name

Last Name

Title

Institution

Address

Invoice address

E-Mail

Phone

Fax

Cancellation of registration: For the money transfer  
back to the applicant we will retain a fee of 80 €.

Please Fax to: +49-201-92239 -333 or send to  
E-Mail: [zke-summerschool@uk-essen.de](mailto:zke-summerschool@uk-essen.de)



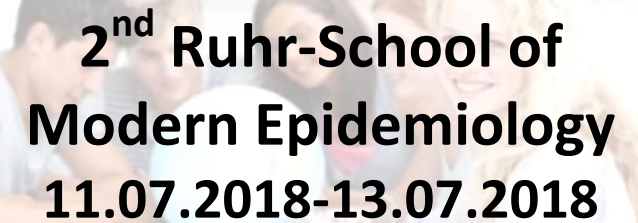
#### Venue

**Novum Select Hotel Handelshof  
Am Hauptbahnhof 2  
45127 Essen**

#### By public transport

**Arriving at Essen central station, leave the  
building towards Innenstadt/Kettwiger  
Straße (through the main entrance). The  
hotel is located opposite the central station  
on the right hand side.**

## Invitation



**2<sup>nd</sup> Ruhr-School of  
Modern Epidemiology  
11.07.2018-13.07.2018**



**Charles Poole**

**Systematic Review and  
Meta-Analysis**



UNIVERSITÄT  
DUISBURG  
ESSEN  
*Open-Minded*

**iEpi&CR**  
PhD in Epidemiology and Clinical Research

ZKE

Center of Clinical  
Epidemiology

# Systematic Review and Meta-Analysis

July 11 – July 13, 2018

## Introduction

Charles Poole, MPH, ScD, has been with the Department of Epidemiology at the University of North Carolina (UNC) for the past 20 years. Immediately before that,

he was with the Department of Epidemiology and Biostatistics at Boston University. With roots in environmental and occupational epidemiology, he now



focuses on the application and dissemination of epidemiologic concepts and methods in a wide variety of subject matter areas. The systematic reviewing of epidemiologic literatures is a special interest for him. He has taught a popular course on it for many years at UNC and given many workshops and lectures elsewhere.

As a member of the Cochrane Collaboration Statistical Methods Group, he has published several methodologic papers on the topic and co-authored several dozen published substantive reviews. For his work he received numerous awards and honors. Furthermore, his teaching activities were honored several times for instance 1992 and 1995: Excellence in Teaching Award, Boston University School of Public Health.

# Course Outline

## Course Objectives

- Systematic review of epidemiologic literatures (observational studies, trials or both)
- Major meta-analytic methods
- Determining the extent, if any, to which each of these methods is indicated in the literature at hand

## Main Topics and Methods

- Defining the problem
- Defining and searching the literature
- Extracting results and study characteristics
- Preparing meta-analytic data sets
- Forest and funnel plots
- Conducting analyses of funnel plot asymmetry, overall heterogeneity and characteristics of studies
- Study populations by stratified and meta-regression analysis
- Vote counting

## Statistical experience and Software

- Stata statistical package will be used to illustrate the data set preparation and computations

Each student is encouraged to forward a published review for discussion purposes.

## Course fees:

Applicants not from Universities:	600 €
Applicants from Universities:	400 €
Students:	250 €

## Application deadline:

**Wednesday May 31, 2018, 12:00 am**

**Registration: Wednesday July 11, 2018 9:00 am**

## Time Course:

**Wednesday July 11, 2018 10:00 am – 05:15 pm**

**Thursday July 12, 2018 10:00 am – 05:15 pm**

**Friday July 13 2018 10:00 am – 03:15 pm**

## Program Director:

Prof. Dr. med. Andreas Stang, MPH,  
Head of the Center of Clinical Epidemiology  
c/o IMIBE, University Hospital Essen

## Administrative staff & contact address:

Mrs. Eva Bock

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E-Mail: [zke-summerschool@uk-essen.de](mailto:zke-summerschool@uk-essen.de)

Information online: <https://www.uk-essen.de/zke/>

**Course language:** English

## Hotel:

Novum Select Hotel Handelshof  
Am Hauptbahnhof 2  
45127 Essen

Tel.: + 49-201-24685-300

## Special condition:

(89,- € per room and night, including breakfast, keyword „UKE“)