

Invitation

1st Ruhr School of Modern Epidemiology

Prof. Dr. med. Andreas Stang,
MPH (Essen)

Principles of Cancer Epidemiology



UNIVERSITÄT
DUISBURG
ESSEN

Open-Minded

epi&cr
PhD in Epidemiology and Clinical Research



Center of Clinical
Epidemiology



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.

Registration Form

1st Ruhr School of Modern Epidemiology:
Principles of Cancer Epidemiology, Prof. Dr. med. Andreas Stang, MPH
August 30th – September 1st, 2017

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

Name
Institution
Full address
Phone

Fax
E-Mail
Date
Signature

Fax to: +49-201-92239-333

E-Mail: zke-summerschool@uk-essen.de

Banking account
Sparkasse Essen

IBAN: DE82 3605 0105 0004 9007 00 BIC: SPESDE33XXX Keyword: "Summer School 97490230"

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

Principles of Cancer Epidemiology

August 30 – September 1st, 2017

Introduction

Andreas Stang studied Medicine (graduation 1992) and was working as a clinician until 1994. Thereafter he studied epidemiology and biometry within the Master of Public Health program of Boston University. He received the “certificate epidemiology” of the German Society of Medical Informatics, Biometry and Epidemiology in 2000 and his *venia legendi* in 2002 in epidemiology, biometry and medical informatics and became full professor at Martin-Luther-University Halle-Wittenberg in 2004 where he started the “Händel School of Modern Epidemiology” with Kenneth J. Rothman as the first lecturer in 2005. Since 2014, he is full professor at University of Duisburg-Essen and adjunct professor of epidemiology at the Department of Epidemiology, School of Public Health, Boston University. His major research fields are cancer and cardiovascular epidemiology. The “Ruhr School of Modern Epidemiology” is the successor of the Händel School of Modern Epidemiology, held once per year.



Course Outline

- 1) Burden of Cancer**
 - History of cancer epidemiology
 - Incidence & mortality of cancer
 - Survival after cancer in Germany, Europe & the world
- 2) Biological and clinical fundamentals of cancer epidemiology**
 - Biological concepts
 - Meaning of terminologies
 - Diagnosis of neoplasia
 - Steps of metastasis
- 3) Classification of neoplasia**
 - Uses of classifications in medicine and oncology
 - Principles of ICD-10, ICD-O, TNM, and grading
 - Histological groups for comparative studies
- 4) Measures of cancer occurrence**
 - Crude, age-specific, and age-standardized rates
 - Standardization of rates & choice of standard populations
- 5) Early detection of neoplasia**
 - Aims of screening
 - Prerequisites for cancer screening
 - Pathogenesis of cancer and implications for screening
 - Lead time & lead time bias
 - Length time bias
 - Overdiagnosis & overtreatment
 - Single screening vs repeated screening
 - Communication of the benefits & harms of early cancer detection

Registration: Wednesday August 30, 2017

Time Course: August 30, 31: 10:00 – 17:15
September 1st: 10:00 – 15:00

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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Information online:

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

Course language: English

Course fees:

Applicants not from Universities:	400 €
Applicants from Universities:	300 €
Students:	150 €

Application deadline: June 30, 2017, 9:00

Hotel:

Novum Select Hotel Handelshof
Am Hauptbahnhof 2
45127 Essen
Tel.: + 49-201-24685-300

Special condition:

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