

# BERLIN SCHOOL OF PUBLIC HEALTH

## Intensive Short Course

### Principles and Methods of Epidemiology: Critiquing the Medical Literature

Julie Buring, Pamela Rist, April 12<sup>th</sup> – April 14<sup>th</sup>, 2018

## Program

### Thursday, 12 April

2:00-3:15	Introductions and Objectives of the Short Course Critical Thinking in Epidemiology: Examples from the Literature
3:15-3:30	Break
3:30-4:45	Types of Epidemiologic Studies in the Literature (Descriptive, Analytic)
4:45-5:00	Break
5:00-6:00	Measures of Disease Frequency, Measures of Association and their Scales

### Friday, 13 April

9:00-10:30	Interpretation of the Findings: Association versus Causation
10:30-10:45	Break
10:45-12:00	Seminar: Critical Evaluation of the Medical Literature
12:00-1:00	Lunch
1:00-2:15	Principles of Randomized Trials; Strengths and Weaknesses
2:15-2:30	Break
2:30-3:45	Seminar: Critical Evaluation of the Medical Literature
3:45-4:00	Break
4:00-5:00	Special Topics: Confounding and effect modification in context Use of diagrams to understand confounding and bias

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#### **Saturday, 14 April**

9:00-10:30	Screening
10:30-10:45	Break
10:45-12:00	Seminar: Serving as a Journal Reviewer



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