



# **NAVIGATING NUMBERS IN MEDICINE**

## a series of masterclasses

**Ahoy, fellow students!**

Do you sometimes feel lost in the sea of medical statistics and research methodology?

Are you unsure on the meaning of statistical statements or the design of clinical studies?

Are you concerned about how some data should influence your opinion or practice?

Are you worried that your lack of statistical and methodological knowledge may be used against you?

Then let us show you how to navigate medical statistics with the ease of a seasoned sailor! "Navigating Numbers in Medicine" is a series of Masterclasses organized by high ranking scientists from Charité University Medicine and the Berlin Institute of Health (BIH). The individual modules consist of interactive lectures, field research, group exercises and excursions and there is only a limited number of seats available.

**So do apply now!**

**Cpts. Benz, Keller, Kurth, Siegerink and Dirnagl**

## Masterclass 1: Statistical Literacy for Everyday Clinical Practice

The first Module will cover the basic skills necessary for dealing with numbers in daily practice to support healing and patient care. We will look at the most common forms of statistical mistakes and manipulation found in the news media and other information outlets, provide easy tools for diagnostic risk assessment in situ, how to easily and efficiently extract information from the scientific literature, how to effectively and transparently communicate this evidence to patients, as well as what to do when there are no numbers to guide you: in situations of clinical uncertainty.

### Conditions:

- All Masterclasses will be held in English
- We have space for a maximum of 30 participants
- Please make sure that you can attend all the dates.
- To apply, send a CV and cover letter (< 300 words) to [risikokompetenz@charite.de](mailto:risikokompetenz@charite.de).

Session	Content	Lecturer	Time
Risk Literacy 1	Manipulation with numbers - and how to guard against it	Dr. Niklas Keller	Thursday 4th of May 2017 16:00-18:00
Risk Literacy 2	Risk assessment in medical diagnostics	Dr. Niklas Keller	Thursday 11th of May 16:00-19:00
Risk Literacy 3	Dealing with uncertainty	Dr. Niklas Keller	Friday 26th of May 2017 16:00-18:00
Risk Literacy 4	Extraction and communication of medical evidence	Dr. Niklas Keller	Thursday 8th of June 2017 16:00-18:00
EXCURSION	Visit to the Harding Centre for Risk Literacy	Dr. Niklas Keller	Friday 9th of June 2017 9:00-open
To screen or no to screen?	Introduction to principles of population screening	Prof. Tobias Kurth	Tuesday 20th of June 2017 16:00-18:00
The Great Prostate Hoax	Origins and misuse of PSA markers	Prof. Richard Ablin (speaker), Prof. Gigerenzer (panel), Prof. Dirnagl (moderation)	Tuesday 4th of July 2017 16:00-18:00