

# Lecturers

Berlin Institute of Health BIH-Core-Unit eHealth und Interoperabilität (CEI)

Dr. Dipl.-Vw. Josef Schepers Prof. Dr. Sylvia Thun

Charité - Universitätsmedizin Berlin Anesthesiology and Intensive Care Medicine Data Science in Perioperative Care

Prof. Dr. Dr. Felix Balzer Dr. Akira-Sebastian Poncette Dr. Niklas Keller Dr. Björn Weiß

Charité - Universitätsmedizin Berlin Experimental Surgery Berlin

Prof. Dr. Igor M. Sauer

Hasso-Plattner-Institute
Digital Health Connected Healthcare

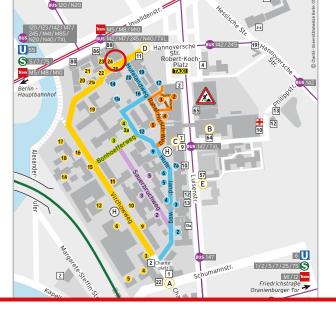
Prof. Dr. Bert Arnrich

HL7 Deutschland **Dr. Kai Heitmann** 

Di. Kai Heitillallii

Technical University Berlin
Department of Psychology and Ergonomics

Prof. Dr. Markus Feufel



The intensive short courses at BSPH are organized by the Institute of Public Health.

#### **Institute of Public Health**

Prof. Tobias Kurth, MD ScD, Director

#### Venue

Charité – Universitätsmedizin Berlin Campus Charité Mitte Seminarroom 03.006 Virchowweg 24

#### **Course Information**

Course language: English ECTS points: 3 Course fees: 510 € for students 750 € for other participants

## **Registration Information**

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https://iph.charite.de/en https://bsph.charite.de



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# BERLIN SCHOOL OF PUBLIC HEALTH

# Intensive Short Course

# **Applied Digital Health**

19 - 23 August 2019 | 9am - 5pm











# **Course Description**

The aim of the intensive short course Applied Digital Health is to enable graduates to assess and apply digital health solutions that are becoming increasingly important in our quickly growing digitalized healthcare system. Challenges in healthcare, such as staff shortages and an increasing number of people in need of medical attention can be mitigated with the implementation of these solutions. Thus, research, development, and implementation of digital applications in healthcare has never been more pressing.

The course Applied Digital Health highlights practical applications of digital health and human-computer interfaces in healthcare. Students will learn to assess interoperability standards between medical devices and electronic health records, to use self-generated health data for medical diagnostics or treatment (connected health), and to estimate the usefulness of digital technologies such as robotic surgery, augmented reality, or telemedicine for routine clinical practice.

#### **Audience**

The course is suited for clinicians, researchers, public health professionals, and engineers who are interested in pursuing careers with applications in medical informatics and/or digital health.

## **Course Pre-requisites**

Basic analytic background (statistics, epidemiology), basic computing skills.

# **Program**

# 19 - 23 August 2019 | 9am - 5pm

## Monday, August 19

am Connected Health (Part 1)

pm Connected Health (Part 2)

## Tuesday, August 20

am Data management and registries

pm Telemedicine/Remote Patient Monitoring

## Wednesday, August 21

am Interoperability and standards (Part 1)

om Interoperability and standards (Part 2)

## Thursday, August 22

am Digital Surgery – Extended Reality (XR) and Robotics in Visceral Surgery (Part 1)

pm Digital Surgery - Extended Reality (XR) and Robotics in Visceral Surgery (Part 2)

## Friday, August 23 (ends 13:00)

am Data Science in Clinical Decision Making