

Confirmed speakers

Dr. Martin Bechem

Wuppertal/Industry, Germany

Prof. Dr. med. Stefan Blankenberg

University Medical Center Hamburg-Eppendorf (UKE), Germany

Dr. Dr. Melanie Börries

University of Freiburg, Germany

Prof. Dr. Massimiliano Caprio

IRCCS San Raffaele, Pisana, Italy

Prof. Dr. rer. nat. Steffen Just

Ulm University Medical Center, Germany

Prof. Dr. med. Benjamin Meder

Heidelberg University Hospital, Germany

Prof. Dr. Stephan Noll

HAW Hamburg, Germany

Dr. rer. nat. Silke Szymczak

Kiel University, Germany

Dr. David Alexandre Tregouet

INSERM UMR-S1219, Bordeaux Public Health Center, France

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Further Information

www.summer-school-come.de



Universitäres Herzzentrum
Hamburg



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From disease to p-values and back to the patient

e:Med Summer School “COME”

Cardiovascular Systems Medicine

April 01-05, 2019 | Hamburg, Germany

Interdisciplinary summer school for young scientists
(doctoral students, postdocs)

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Universitätsklinikum
Hamburg-Eppendorf



Bundesministerium
für Bildung
und Forschung



DZHK
DEUTSCHES ZENTRUM FÜR
HERZ-KREISLAUF-FORSCHUNG E.V.



DGK.
Deutsche Gesellschaft für Kardiologie
– Herz- und Kreislaufforschung e.V.



Deutsche
Herzstiftung



Cardiovascular Research Center
Hamburg

Universitätsklinikum Hamburg-Eppendorf



In Kooperation mit



Hamburg City
Health Study



e:Med
SYSTEMS MEDICINE



General Info

The Summer School „COME“ will provide the opportunity to learn and network in an interdisciplinary environment in the cardiovascular field integrating knowledge from epidemiology, cohort studies, bioinformatics, statistics, and molecular biology with a focus on cardiovascular disease. It will bridge the gap between theory and practice of systems medicine approaches in clinical, molecular, and bioinformatics research.

In an interdisciplinary team of qualified lecturers from cardiovascular research, the attendees (doctoral students and postdocs) will learn the basics of how high throughput omics data generated from study cohorts of myocardial infarction, heart failure, and atrial fibrillation are analyzed and integrated by mathematical models to gain insight into the pathophysiology of disease and improve prediction of incident disease and outcome. Systems biology tools will be used to demonstrate possible translational approaches from the underpinnings of disease to implications in patient care.

The workshop is intended for young researchers (doctoral students and postdocs) from interdisciplinary areas of cardiovascular research (biology, medicine, bioinformatics, biostatistics, epidemiology, public health).

If you are interested in attending, please submit your application:

- Research abstract (max. 500 words)
- Motivation letter (max. 500 words)
- Curriculum Vitae

Please submit to submission@summer-school-come.de.
Deadline for submission is January 31, 2019.

Successful applicants will receive a full coverage of registration and hotel, and a travel award (max. 500€).

Program Overview

Hamburg, April 1-5, 2019

Lectures

- Cardiology & cardiovascular research
- Epidemiology
- Statistics & Bioinformatics
- Molecular Life Science
- Omics approaches

Interdisciplinary Group Work on systems medicine aspects

- Myocardial Infarction
- Atrial Fibrillation
- Heart Failure

Discussions on career planning:

- How I got to systems medicine?
- Pharmaceutical aspects

Visit to Clinic and Laboratory

- Cardiology department
- Molecular and biomarker laboratory
- Clinical Trial Center
- Epidemiological Study Center:
 - „Hamburg City Health Study“
 - Clinical cohort studies & Biobanking

Poster presentations of participants & Networking at HCHS public event

The Organizers

Prof. Dr. rer. nat Tanja Zeller, UKE, Hamburg, Germany
Dr. med. Annika Jagodzinski, Epidemiological Study
Center Hamburg
Simone Schnella, UKE, Hamburg, Germany