

Confirmed speakers

Prof. Dr. Dr. Melanie Börries | University of Freiburg,
Germany

Dr. Matthias Heinig | University Munich, Germany

Prof. Dr. Steffen Just | Ulm University Medical Center,
Germany

PD Dr. Dr. Mahir Karakas | University Medical Center
Hamburg-Eppendorf (UKE), Germany

Prof. Dr. Bruno Märkl | Augsburg University Medical
Center, Germany

Dr. Teemu Niiranen, Finnish Institute of Health and Welfare
(THL), Finland

Dr. David Alexandre Tregouet | Bordeaux Public Health
Center, France

Prof. Dr. Raphael Twerenbold | University Medical Center
Hamburg-Eppendorf (UKE), Germany

Dr. Arne Schillert | Lübeck/Industry, Germany

Prof. Dr. Renate Schnabel | University Medical Center
Hamburg-Eppendorf (UKE), Germany

Prof. Dr. Silke Szymczak | University Lübeck, Germany

Contact

Dr. Anna Lena Engels (an.engels@uke.de)

Sibylle Wagner (s.wagner@uke.de)

Further Information

www.uke.de/uccs



Hamburg City
Health Study



Bundesministerium
für Bildung
und Forschung



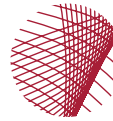
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DGK.
Deutsche Gesellschaft für Kardiologie
– Herz- und Kreislaufforschung e.V.



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From disease to p-values and back to the patient

e:Med Summer School „COME“



Cardiovascular Systems Medicine

26.09.2022 – 30.09.2022 | Hamburg, Germany

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

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Universitätsklinikum Hamburg-Eppendorf **UKE**
HAMBURG

In Kooperation mit





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 an.engels@uke.de.

Deadline for submission is 31.05.2022.

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

Program Overview

Hamburg, September 26-30, 2022

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

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

Discussions on career planning

Poster presentations of participants & Networking

The Organizers

Prof. Dr. rer. nat. Tanja Zeller, UKE, Germany

Dr. rer. nat. Anna Lena Engels, UKE, Germany

Sibylle Wagner, UKE, Germany

Due to the prevailing pandemic, we reserve the right to offer the event as an online event. Please note that a fully vaccination against SARS-CoV-2 is mandatory to participate in the event.