

General Information

Course Directors

Prof. Dr. Stefan Blankenberg
Prof. Dr. Hartmut Schlüter

Local Faculty

Stefan Blankenberg | Eva Herker | Clara John |
Julia Krause | Hartmut Schlüter | Tanja Zeller

Invited Faculty

Martin Bahls, Greifswald | Bijon Chatterji,
Innsbruck | Wulf Fischer-Knuppertz, Innsbruck |
Ulf Landmesser, Berlin | Oliver J. Müller, Kiel |
Simeon Vens-Cappell, Lübeck | Karin Schwarz, Kiel

Accreditation

This symposium has been registered for the accreditation of continuous medical education points (CME) given by the medical association of Hamburg.

Registration

Participation is free of charge, but room capacity is limited.

Please register at:



<http://metabolomics-hamburg.eventbrite.de>

Supported by



Congress Organisation and Contact

University Heart Center Hamburg
Martinstraße 52, O 70
20259 Hamburg, Germany

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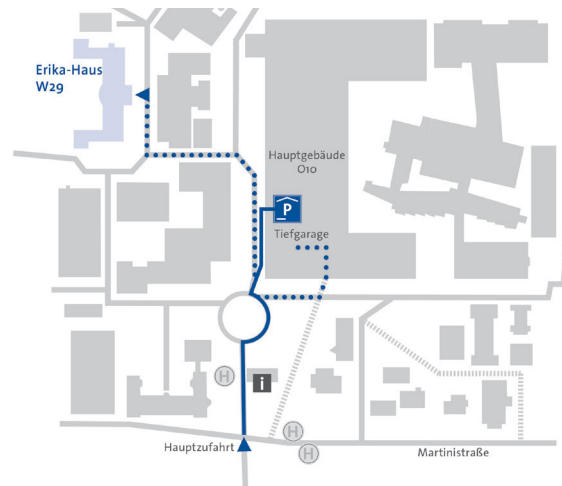
Co-Organizer

BIOCRATES Life Sciences AG
Innsbruck

Course Location

University Hospital Hamburg-Eppendorf
Erika-Haus, Building West 29
Martinstraße 52, 20259 Hamburg

Please use the central car garage of the hospital for car parking. There are only limited parking capabilities at the Erika-Haus.



Hamburg Metabolomics Symposium 2018 Cardiovascular Research – Microbiome Meets Metabolome

20. November 2018 | 08:30 Uhr bis 17:00 Uhr
Universitätsklinikum Hamburg-Eppendorf
Erika-Haus (Building West 29)
Martinstraße 52, 20246 Hamburg, Germany

Universitätsklinikum Hamburg-Eppendorf

Co-organised by



08:30 Registration

Session I: "Cardiovascular Diseases"

Chair: Prof. Dr. Stefan Blankenberg

09:00 - 09:30

Welcome and keynote: Cardiovascular risk disease stratification and new options

Prof. Dr. Stefan Blankenberg

University Heart Center (UHZ),
Universitätsklinikum Hamburg-Eppendorf (UKE), Germany

09:30 - 10:00

Keynote: Novel pathophysiological mechanisms in coronary disease

Prof. Dr. Ulf Landmesser

Department of Cardiology, Campus Benjamin Franklin,
Charité – Universitätsmedizin Berlin, Germany

10:00 - 10:25

Systemic metabolic alterations in cardiac hypertrophy and heart failure

Prof. Dr. Oliver J. Müller

Department of Cardiology,
Universitätsklinikum Schleswig-Holstein (UKSH), Kiel, Germany

10:25 - 10:55 Coffee break

10:55 - 11:20

Serum metabolomic profiles predict coronary heart disease – results from the BiomarCaRE cohorts

Prof. Dr. Tanja Zeller

Department of Cardiology,
Universitätsklinikum Hamburg-Eppendorf (UKE), Germany

11:20 - 11:40

Metabolic response to exercise in patients with heart failure with preserved ejection fraction – insights from the EX-DHF-P trial

Dr. Martin Bahls

Department of Cardiology,
Universitätsmedizin Greifswald (UMG), Germany

11:40 - 12:00

A link between acylcarnitines and atrial fibrillation

Dr. Julia Krause

Department of Cardiology,
Universitätsklinikum Hamburg-Eppendorf (UKE), Germany

12:00 - 12:20

Commonalities of chronic systemic diseases

Dr. Wulf Fischer-Knuppertz

Biocrates Life Sciences AG, Innsbruck, Austria

12:20 - 12:30

Discussion and session closing remarks

Prof. Dr. Stefan Blankenberg

University Heart Center (UHZ),
Universitätsklinikum Hamburg-Eppendorf (UKE), Germany

12:30 - 14:00 Lunch break & get-together



Universitäres Herzzentrum
Hamburg



Session II: "Microbiome and Metabolome"

Chair: Prof. Dr. Hartmut Schlüter

14:00 - 14:05

Welcome and introduction

Prof. Dr. Hartmut Schlüter

Institute of Clinical Chemistry,
Universitätsklinikum Hamburg-Eppendorf (UKE), Germany

14:05 - 14:25

Exploration of the nutrition-microbiome-metabolome axis

Prof. Dr. Karin Schwarz

Department of Food Technology,
Christian-Albrechts-Universität (CAU), Kiel, Germany

14:25 - 14:45

Cold environment redirects bile acid metabolism and thereby alters the gut microbiome in mice

Dr. Clara John

Institute of Biochemistry and Molecular Cell Biology,
Universitätsklinikum Hamburg-Eppendorf (UKE), Germany

14:45 - 15:05

Microbiome meets metabolome: targeted and untargeted approaches

Dr. Bijon Chatterji

Biocrates Life Sciences AG, Innsbruck, Austria

15:05 - 15:30 Coffee break

15:30 - 15:50

Tissue sampling for metabolomics with the picosecond-infrared laser technology (PIRL)

Prof. Dr. Hartmut Schlüter

Institute of Clinical Chemistry,
Universitätsklinikum Hamburg-Eppendorf (UKE), Germany

15:50 - 16:10

MALDI mass spectrometry imaging of neutral glycosphingolipids

Dr. Simeon Vens-Cappell

Bioanalytic Core Facility, Center of Brain, Behavior and Metabolism (CBBM), Universität Lübeck, Germany

16:10 - 16:30

Complex lipid metabolic remodeling is required for efficient hepatitis C virus replication

Dr. Eva Herker

Heinrich-Pette-Institut (HPI) – Leibniz-Institut für Experimentelle Virologie, Hamburg, Germany

16:30 - 16:40

Session closing remarks

Prof. Dr. Hartmut Schlüter

Universitätsklinikum Hamburg-Eppendorf (UKE), Germany

17:00 End of symposium