



DÜSSELDORF, GERMANY
18-21 NOVEMBER 2019

Programm/Programme

Halle/Hall 1 G 37
www.medica.de/MLF1



Messe
Düsseldorf



Das internationale Forum für Labormedizin

Laboratoriumsmedizin, Molekularpathologie, Mikrobiologie, Medizintechnik und Life Sciences sind Innovationsmotoren, die der gesamten Medizin neue Impulse geben. Das MEDICA LABMED FORUM beleuchtet aktuelle Trends im Zentrallabor, am „Point of Care“ und in der Patienten-Selbsttestung. Ein eigener Themenblock befasst sich mit Karrierechancen für junge Wissenschaftler in der Diagnostik- und Life-Science-Industrie.

Ärzte und Patienten, Gesundheitspolitiker und Gesundheitsdienstleister, Pressevertreter und alle anderen Besucher der größten Medizinmesse der Welt sind zu vier spannenden Thementagen mit hochkarätigen Vorträgen und Podiumsdiskussionen eingeladen. Das MEDICA LABMED FORUM wird von Prof. Dr. med. Georg Hoffmann, Trillium GmbH Medizinischer Fachverlag und Deutsches Herzzentrum München, organisiert.

Die Tagungssprache ist Englisch.

Scientific organisation:



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The international forum for laboratory medicine

Clinical and molecular pathology, microbiology, medical engineering, and life sciences are drivers of innovation for all areas of medicine. At the MEDICA LABMED FORUM you will learn more about current trends in the central laboratory, at the point of care, as well as in patient self-testing. A separate topic block will deal with career opportunities for young scientists in the diagnostics and life science industry.

Doctors and patients, health policymakers and healthcare providers, media representatives and all other visitors of the world's largest medical trade fair are invited to four exciting focal days with top-class lectures and panel discussions. The MEDICA LABMED FORUM is organised by Prof. Dr. med. Georg Hoffmann, Trillium Medical Publishing House and German Heart Center Munich.

The conference language is English.



PD Dr. med. Beniam Ghebremedhin
Universität Witten/
Herdecke, HELIOS
Universitätsklinikum
Wuppertal



Prof. Dr. med. Stefan Holdenrieder
Deutsches
Herzzentrum
München

Monday,
18 November 2019

4

Advances in clinical microbiology and infectious diseases

Chair: PD Dr. med. Beniam Ghebremedhin

Universität Witten/Herdecke,
HELIOS Universitätsklinikum Wuppertal

10:30 h

**Microbiome analysis – bridging the gap between
traditional and novel microbiology**

PD Dr. med. Beniam Ghebremedhin, Universität Witten/
Herdecke, HELIOS Universitätsklinikum Wuppertal

10:45 h

Microbiological aspects of microbiome analysis

Prof. Dr. med. Dr. rer. nat. André Gessner, Universitäts-
klinikum Regensburg, Institut für Mikrobiologie und
Hygiene

11:00 h

Microbiome analysis in cancer patients

Prof. Dr. med. Ernst Holler, Universitätsklinikum
Regensburg, III. Med. Klinik

11:15 h

Volatile organic compounds in gastrointestinal disorders

Dr. Agnieszka Smolinska, Pharmacology and Toxicology
Department, Maastricht University, The Netherlands

11:30 h

**Mind the microbes: How gut bacteria may shape
cognitive and affective processes**

Dr. med. Laura Steenbergen, Cognitive Psychology
Unit & Leiden Institute for Brain and Cognition,
Leiden University, the Netherlands

11:45 h

**Microbiome findings in the context of Parkinson's
disease**

Dr. med. Jean-Pierre Trezzi, University of Luxembourg

12:00 h

Roundtable discussion

12:30 h

Lunch break

Monday,
18 November 2019

5

13:00 – 14:00 h

Industry slots

13:00 h

DPP: The new platform for multiplex testing at POC
Krishnan Allampallam, Ph.D., Global Director of
Marketing, Chembio

13:20 h

(tbd)

13:40 h

Smarte Pipette

Lynda Metref, Helbling Technik

14:00 h

**Breathomics: spectrophotometric and sensory
microbial analysis**

PD Dr. med. Beniam Ghebremedhin, Universität Witten/
Herdecke, HELIOS Universitätsklinikum Wuppertal

14:15 h

Sniffing the chemical language of pathogens

Dr. Simona Cristescu, Institute for Molecules
and Materials | Radboud University Nijmegen

14:30 h

**Technical approaches to breath analytics for tuberculosis
and malignancies**

Prof. Dr. med. Wieland Voigt, MIM Steinbeis-Hochschule,
Berlin

14:45 h

Big data analysis and bioinformatics issues

Prof. Dr. Frank Klawonn, HZI Braunschweig,
Dptm. Statistics and Bioinformatics

15:00 h

Gas analysis in respiratory medicine

Dr. Alexander Scholz, Sendor GmbH, München

15:15 h

Ion mobility spectrometry for rapid microbial detection

Dr. Wolfgang Vautz, ION-GAS GmbH,
MST.factory dortmund

15:30 h

Roundtable discussion

16:00 h

End of session

Advances in cardiology

Chair: Prof. Dr. med. Stefan Holdenrieder
Deutsches Herzzentrum München

10:30 h

Innovative biomarkers and risk indicators for cardiovascular diseases – introduction

Prof. Dr. med. Stefan Holdenrieder,
Deutsches Herzzentrum München

10:45 h

News on cardiac tissue engineering

PD Dr. med. Markus Krane,
Deutsches Herzzentrum München

11:00 h

Mesenchymal stem/stromal cell-derived extracellular vesicle, a potential new tool in regenerative medicine

Prof. Dr. Bernd Giebel, Universität Essen

11:15 h

Biomarkers for heart insufficiency in children

PD Dr. med. Oktay Tutarel,
Deutsches Herzzentrum München

11:30 h

Standardization of biomarker data

Prof. Dr. Frank Klawonn, HZI Braunschweig

11:45 h

Roundtable discussion

12:30 h

Lunch break

13:00 – 14:00 h

Industry slots

13:00 h

Hahn-Schickard – Digital assays and laboratory automation, from central lab to point of care

Prof. Felix von Stetten, Hahn-Schickard-Institut für Mikroanalyzesysteme

13:20 h

A customized middleware boosts lab effectiveness

Alexander Brendel, infoteam Software AG

13:40 h

Performance evaluation of IVDs under the IVD-R

Dr. Maurizio Suppo, Qarad B.V.B.A. and Biomex GmbH (IVDR-Alliance)

14:00 h

Small and smart diagnostics in sports medicine – introduction

Prof. Dr. med. Stefan Holdenrieder,
Deutsches Herzzentrum München

14:15 h

Cell-free DNA diagnostics in sports medicine

Prof. Dr. med. Perikles Simon, Universität Mainz

14:30 h

Biomarkers in prevention and sports medicine

Prof. Dr. med. Johannes Scherr, Universität Zürich

14:45 h

Monitoring for personalized training prescription

Prof. Dr. med. Billy Sperlich, Universität Würzburg

15:00 h

How the new IVD regulation affects the development of quantified self-tests and health apps

Dr. Sebastian Grömminger, Johner-Institut, Konstanz

15:15 h

Roundtable discussion

16:00 h

End of session

Advances in oncology

Chair: Prof. Dr. med. Stefan Holdenrieder
Deutsches Herzzentrum München

10:30 h

Big Data and artificial intelligence – introduction
Prof. Dr. med. Stefan Holdenrieder,
Deutsches Herzzentrum München

10:45 h

Digital pathology is picking up speed
Dr. Nicolas Weiss, Precipoint

11:00 h

The microscope as intelligent scanner
Dr. Volker Bruns, Fraunhofer IIS, Erlangen

11:15 h

Artificial intelligence and deep learning
Prof. Dr. Frank Klawonn, HZI Braunschweig

11:30 h

**Algorithm for longitudinal tumor biomarker assessment
in lung cancer – going beyond reference change values**
Dr. Dr. Huub van Rossum, Netherlands Cancer Institute –
Antoni van Leeuwenhoek Hospital Amsterdam

11:45 h

Roundtable discussion

12:30 h

Lunch break

13:00 h

Industry slots

13:00 h

**CARDEX – Advanced training technology for MitraClip
procedure**
David Helm, Julia Gygax, Helbling

14:00 h

Liquid biopsy and liquid profiling – introduction
Prof. Dr. med. Stefan Holdenrieder,
Deutsches Herzzentrum München

14:15 h

Liquid profiling: state of the art
Prof. Dr. med. Nicola Normanno, Universität Neapel

14:30 h

Tissue and blood – complementary approaches
Prof. Dr. med. Christopher Poremba,
Pathologie Nord, München

14:45 h

Clinical applications of single cell sequencing
Dr. med. Bernhard Polzer, Universität Regensburg

15:00 h

**Requirements for blood TMB testing for immune therapy
stratification**
Dr. med. Verena Haselmann, Universität Mannheim

15:15 h

Roundtable discussion

16:00 h

End of session

Young scientists meet innovative industries

(in cooperation with DGKL e. V. and VDPH e. V.)



Chair: Prof. Dr. med. Stefan Holdenrieder

Deutsches Herzzentrum München

10:30 h

Emerging fields and talents in biosciences and medicine

Prof. Dr. med. Stefan Holdenrieder,

Deutsches Herzzentrum München

10:45 h

Bioinformatics – the bottleneck for new massive parallel diagnostic technologies

Dr. Dr. med. Christof Winter, Technische Universität München

11:00 h

Liquid profiling of head and neck cancer patients with plasma and saliva

Romina Rösch, Technische Universität München

11:15 h

Immune checkpoint markers for in vivo sensitivity monitoring in cancer patients

Kimberly Krüger, Deutsches Herzzentrum München

11:30 h

LCMS-based approaches for characterization of epigenetic histone modifications

Vida Ungerer, Deutsches Herzzentrum München

11:45 h

Introduction of a digital laboratory based decision support system to increase patient safety

PD Dr. med. Thorsten Kaiser, Institut für Laboratoriumsmedizin, Universitätsklinik Leipzig

12:00 h

Pharmacometric modelling & simulation for an increased understanding of CAR-T cell therapy in cancer patients

Anna Müller-Schöll, Freie Universität Berlin

12:15 h

Exposure-response pharmacometric modelling and simulation to improve treatment outcome in advanced NSCLC

Francis Ojara, Freie Universität Berlin

12:30 h

Industry slots

Lösungen für Forschung und Molekulare Diagnostik

Peter Quick, Promega

14:00 h

Opening remarks

Prof. Dr. med. Stefan Holdenrieder,

Deutsches Herzzentrum München

14:15 h

Professional perspectives for young scientists: the academic view

Dr. rer. nat. Ronald Biemann, DGKL e. V. Sektion junges Labor

14:30 h

Professional perspectives for young scientists: the industry view

Dr. rer. nat. Peter Quick, VDPH e. V. Life Science Research

14:45 h

How to keep the balance between career and family

PD Dr. med. Verena Haselmann, Uni Mannheim

15:00 h

What is key for modern leadership management

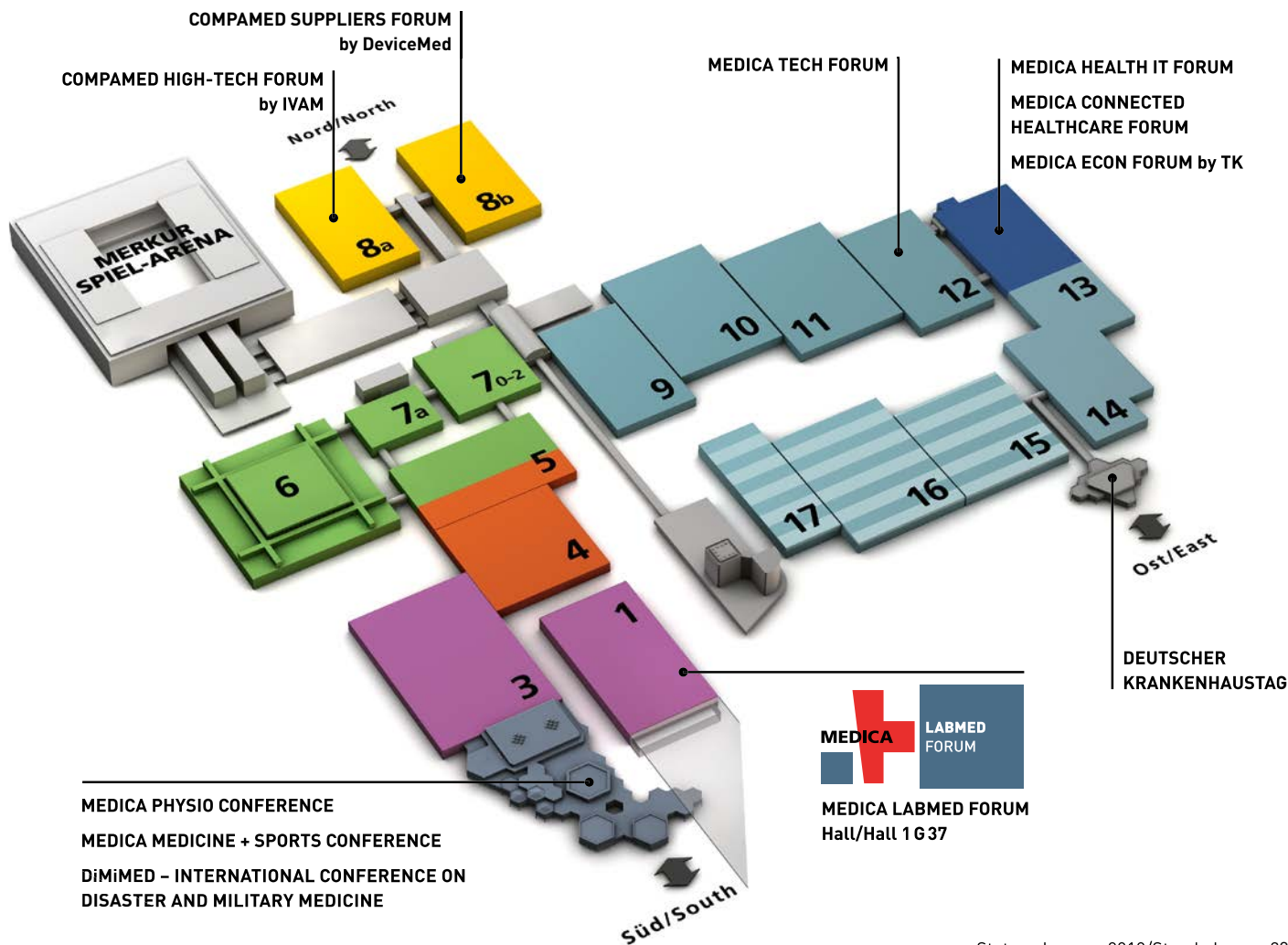
Dipl.-Kauffrau Susanne Huber, VDPH e. V. Life Science Research

15:15 h

Roundtable discussion

16:00 h

End of session



Status: January 2019/Stand: Januar 2019

Hallen/halls 8a, 8b
COMPAMED – High-tech solutions for medical technology

Hallen/halls 4, 5
Physiotherapie, Orthopädietechnik
Physiotherapy, orthopaedic technology

Hallen/halls 9, 10, 11, 12, 13, 14
Elektromedizin, Medizintechnik
Electromedical equipment, medical technology

Hallen/halls 15, 16, 17
Nationale und internationale Gemeinschaftsstände
Elektromedizin, Medizintechnik
National and international joint participants
Electromedical equipment, medical technology

Hallen/halls 1, 3
Labortechnik, Diagnostika
Laboratory equipment, diagnostic tests

Hallen/halls 5, 6, 7.0, 7.1, 7a
Bedarfs- und Verbrauchsartikel
Commodities and consumer goods

Halle/hall 13
Informations- und Kommunikationstechnik
Information and communication technology

Dates and opening times

18 to 21 November 2019,
Monday – Thursday from 10:00 a.m. to 6:00 p.m.

Tickets and prices

The MEDICA online shop opens in August 2019.
There you will also find the prices for the conferences.

www.medica.de/2130

Day ticket via pre-sale (eTicket):	€30.00
On site at the cash desk:	€80.00

4-day ticket via pre-sale (eTicket):	€89.00
On site at the cash desk:	€209.00

Day ticket for students, pupils, apprentices, people with disability, and pensioners:	€30.00
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Catalogue (plus delivery costs):	€23.00
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Order by email to katalogorder@sutter.de
Also available as a catalogue voucher with
free shipping at www.medica.de/2130

Arrival

From the **main railway station** with the subway lines U78
and U79 or the bus line 722

From the **airport** by taxi in approx. 8 minutes at a fixed price
of €20 or by bus line 896

From the **A44 motorway**, exit "Düsseldorf Messe/Arena".
To car parks P1/P2, then with a shuttle bus to each entrance.
Address for navigation systems: "Düsseldorf, Am Staad"

Travel and accommodations

:DÜSSELDORF

Tourismus

You will find information on hotel and travel
arrangements at:

www.duesseldorf-tourismus.de/en/tradefair/medica/

It is necessary to register online to visit the MEDICA/COMPAMED trade fair!
Entrance to all MEDICA/COMPAMED forums is included in the MEDICA/
COMPAMED trade fair admission ticket. The forums will take place in the
trade fair halls. Participation in the MEDICA conferences, which take place
outside of the trade fair halls at the Congress Center Düsseldorf South (CCD
South), is subject to a charge. Ordering tickets and registration have to be
done separately. Admission to the MEDICA/COMPAMED trade fair as well as
all the MEDICA/COMPAMED forums is included in the conference admission
ticket. Information is available at www.medica.de/2130

Termin und Öffnungszeiten

18. bis 21. November 2019,
Montag bis Donnerstag von 10:00 bis 18:00 Uhr

Tickets und Preise

Anfang August 2019 öffnet der MEDICA-Online-Shop.
Dort finden Sie auch die Preise zu den Konferenzen.

www.medica.de/1130

Tageskarte im Online-Vorverkauf (eTicket):	30,00 €
Tageskasse:	80,00 €

4-Tageskarte im Online-Vorverkauf (eTicket):	89,00 €
Tageskasse:	209,00 €

Tageskarte für Studenten, Schüler, Auszubildende, Schwerbehinderte, Rentner, freiwillige Wehrdienst- leistende und Bundesfreiwilligendienstleistende:	30,00 €
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Katalog (zzgl. Versandkosten):	23,00 €
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oder ohne Versandkosten erhältlich als Katalog-
gutschein unter www.medica.de/1130

Die Anreise

Vom **Hauptbahnhof** mit den U-Bahnen U78 und U79
oder der Buslinie 722

Vom **Flughafen** mit dem Taxi in ca. 8 Minuten zum
Festpreis von 20,00 € oder mit der Buslinie 896

Von der **Autobahn A44**, Abfahrt „Düsseldorf Messe/
Arena“ zu den Parkplätzen P1/P2, weiter mit Pendelbussen
zu jedem Eingang. Adresse für Navigationssysteme:
„Düsseldorf, Am Staad“

Reise und Unterkunft

:DÜSSELDORF

Tourismus

Informationen zu Hotel- und Reisearrangements finden
Sie unter business.duesseldorf-tourismus.de/medica/

Zum Besuch der MEDICA-/COMPAMED-Fachmesse ist eine Online-
Registrierung erforderlich! In der Messe-Eintrittskarte der MEDICA/
COMPAMED ist der Zugang zu allen MEDICA-/COMPAMED-Foren enthalten.
Die Foren finden in den Messehallen statt. Die Teilnahme an den MEDICA-
Konferenzen, die im Congress Center Düsseldorf (CCD Süd) außerhalb der
Messehallen stattfinden, ist kostenpflichtig und bedarf der separaten
Ticketbestellung bzw. Registrierung. In einer Konferenz-Eintrittskarte ist
der Besuch der MEDICA-/COMPAMED-Fachmesse sowie aller MEDICA-/
COMPAMED-Foren enthalten. www.medica.de/1130



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DÜSSELDORF 16 – 19 November 2020

COMPAMED

DÜSSELDORF 16 – 19 November 2020

REHACARE

DÜSSELDORF 23 – 26 September 2020

FAMDENT SHOW

MUMBAI 29 – 31 May 2020

INTEGRATION

MOSCOW 2021

MEDICAL FAIR ASIA

SINGAPORE 9 – 11 September 2020

MEDICAL FAIR BRASIL

SÃO PAULO 5 – 8 May 2020

MEDICAL FAIR CHINA

SUZHOU 17 – 19 September 2020

MEDICAL FAIR INDIA

MUMBAI 5 – 7 March 2020

MEDICAL FAIR INDIA

NEW DELHI 19 – 21 February 2021

MEDICAL FAIR THAILAND

BANGKOK 8 – 10 September 2021

MEDICAL MANUFACTURING ASIA

SINGAPORE 9 – 11 September 2020

MEDITECH

BOGOTÁ 14 – 17 July 2020

Strategic Co-operation:

ZDRAVOOKHRANENIYE

MOSCOW 2 – 6 December 2019

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