2022

10-14 APRIL

ICM MUNICH
GERMANY

FINAL PROGRAMME

EUROMEDLAB
2021 MUNICH

ifcc International Federation of Clinical Chemistry and Laboratory Medicine

EFLM EUROPEAN FEDERATION OF CLINICAL CHEMISTRY AND LABORATORY MEDICINE

DGKL Deutsche Gesellschaft für Klinische Chemie und Laboratoriumsmedizin e.V.

24TH IFCC-EFLM EUROPEAN CONGRESS OF CLINICAL CHEMISTRY AND LABORATORY MEDICINE
NATIONAL CONGRESS OF THE GERMAN SOCIETY OF CLINICAL CHEMISTRY AND LABORATORY MEDICINE

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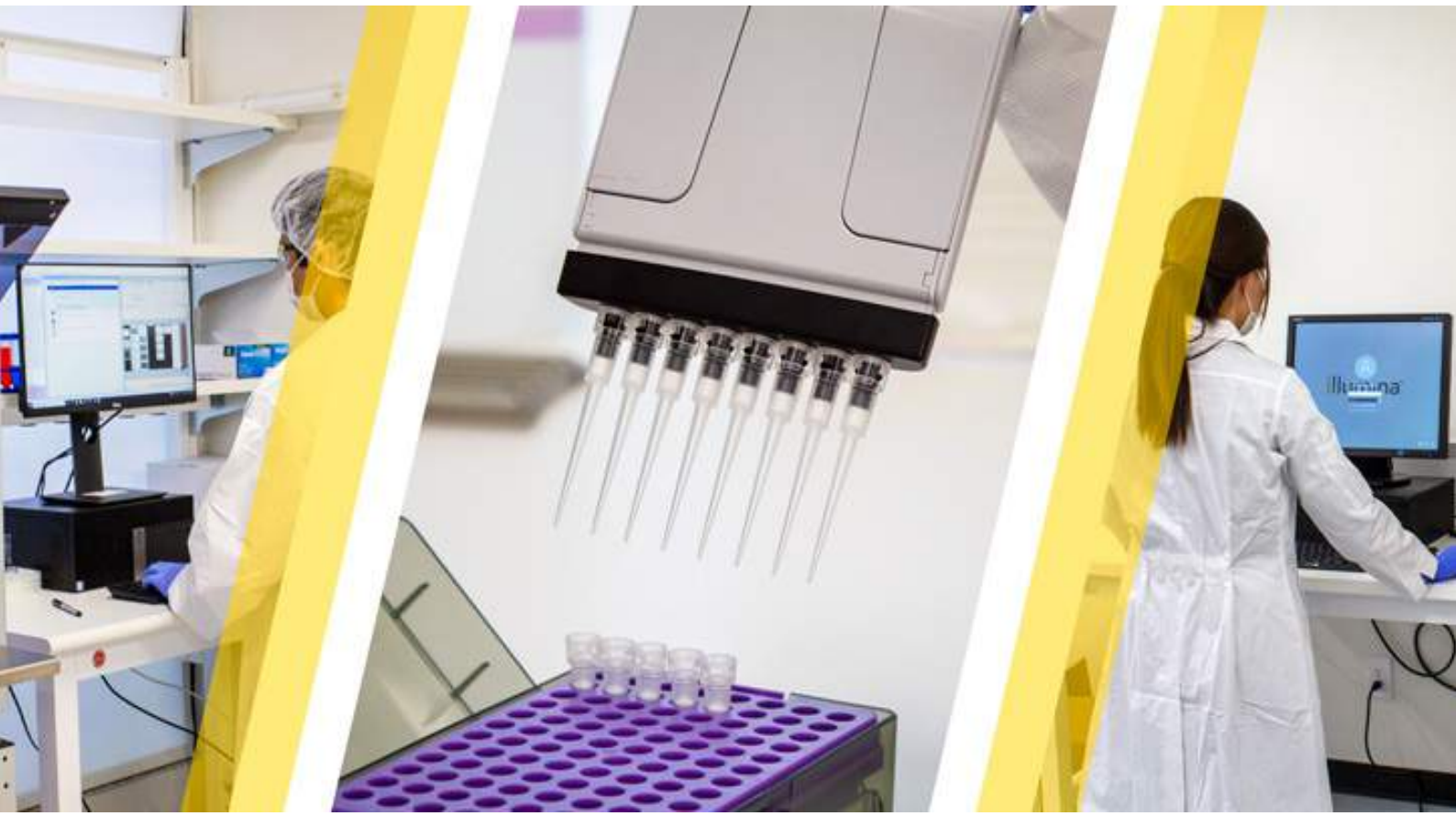

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Dieter Reiter

Landeshauptstadt München, Oberbürgermeister, 80313 München

EUROMEDLAB 2021
XXIV IFCC-EFLM European Congress of Clinical Chemistry and Laboratory Medicine Munich

hosted by the German Society of Clinical Chemistry and Laboratory Medicine (DGKL) from November 28 to December 2, 2021 in Munich

September 2021

Ladies and Gentlemen:
Distinguished Guests:

It is my pleasure as Lord Mayor to say „Herzlich willkommen!“

I would like to extend a cordial welcome to all of you and I am extremely delighted that this outstanding congress is taking place in the Bavarian State Capital of Munich – a top-ranking location of science and research.

In addition to an excellent scientific and economic infrastructure as well as an efficient road and public transport system, Munich presents a wide range of attractive opportunities to enjoy art, culture and entertainment.

I hope that in the course of your stay you will also have the opportunity to explore the many different attractions in Munich and the surrounding countryside.

I wish you great success for the entire event as well as a pleasant and enjoyable stay.

Yours sincerely,

Dieter Reiter
Lord Mayor

WELCOME MESSAGES

It is my great pleasure to welcome all attendees of the XXIV IFCC-EFLM European Congress of Clinical Chemistry and Laboratory Medicine (EuroMedLab Congress 2022), jointly hosted by IFCC, EFLM, and the German Society. This is the first major IFCC/EFLM conference held following a long delay caused by the pandemic and an excellent opportunity to bring together laboratory specialists from many national societies both physically and virtually. While this delay was a disappointment for many, we now get to enjoy springtime in Europe with a beautiful backdrop, the city of Munich!

This is a fast-evolving time for the field of clinical chemistry and laboratory medicine, as we face many scientific and technological advancements that allow for a much greater role for our professionals as partners at the centre of healthcare. This timely congress is an excellent opportunity to gather in an international forum to discuss these advancements as well as meet colleagues from across Europe and many other countries around the globe. Without a doubt, the biannual EuroMedLab congress has proven to be one of the leading forums to bring together scientists, laboratory specialists, clinicians, and industry colleagues in the field of clinical chemistry and laboratory medicine. Bringing all of us together in forums like this enables scientific exchange and ensures that our organization and the field of clinical chemistry and laboratory medicine remain at the cutting edge.

During the congress, attendees will get to experience the outstanding scientific program, which features innovative and diverse educational opportunities that incorporate the best of clinical laboratory medicine and *in vitro* diagnostics, including lectures, symposia, recent advancements in clinical practice and science, poster presentations, and much more. Special emphasis will be placed on technological advancements, as this meeting aims to connect the latest technological breakthroughs in diagnostic laboratory technology with the best minds in laboratory medicine to help attendees learn and implement the latest and greatest in clinical laboratory science, technology, and medicine. In addition to the scientific program, excellent social opportunities have been organized for attendees to enjoy many attractions in Munich.

I hope you all enjoy the excellent scientific and social programs curated by the congress organizing and scientific committees, and I wish you all a productive conference and a pleasant stay in the wonderful city of Munich.

Khosrow Adeli PhD, FCACB, DABCC, FAACC
IFCC President

WELCOME MESSAGES

Dear Colleagues, Dear Friends,

It is our great pleasure and honour to welcome you on behalf of the European Federation of Clinical Chemistry and Laboratory Medicine (EFLM), to the 24th EuroMedLab, the IFCC-EFLM European Congress of Clinical Chemistry and Laboratory Medicine organized together by IFCC and EFLM in collaboration with the German Society of Clinical Chemistry and Laboratory Medicine (DGKL).

It is sad and regrettable that this congress comes in such unusual times, when the whole World is fighting against the COVID-19 pandemic. It is also unfortunate that it has been postponed two times. Many of our colleagues are therefore not able to attend the congress due to travel restrictions related to the COVID-19 pandemic.

To those who are fortunate enough to attend the congress in person, on site, we wish an enjoyable experience, good and inspirational congress. We hope you will benefit the scientific program, educational workshops, and exhibition of the IVD industry demonstrating the latest technological advancements and breakthroughs in diagnostic laboratory technology, to help participants to learn and implement the latest and greatest innovations in clinical laboratory science, enjoying also networking and meeting old colleagues and friends and possibly even making some new friends.

To those who will participate in the congress remotely, from a distance, we hope that this conference will also offer a plenty of opportunities to further expand their knowledge and grow. Virtual participation is far from ideal, but given the circumstances and current challenges, this can be acceptable. We trust you will take the most of it. Our sincere wish is that the World is never again faced with what we have experienced during the past two years and that we will get back to our “old normal” soon and certainly before the next EuroMedLab.

Your sincerely,

Prof. Ana-Maria Šimundić
EFLM President (2020-2021)

Prof. Tomris Ozben
EFLM President (2022-2023)

WELCOME MESSAGES

Dear colleagues and friends,
we are glad to be able to welcome you to the EUROMEDLAB 2021 – the XXIV IFCC-EFLM European Congress of Clinical Chemistry and Laboratory Medicine in Munich, Germany as a joint conference by EFLM, IFCC and the national hosting German Society for Clinical Chemistry and Laboratory Medicine (DGKL) (http://www.euromedlab2021munich.org/) .

Like with most our private and professional lives during the last two years, the SARS-CoV2 pandemic has also played havoc with all our preparations and efforts to provide you with an in-presence format of this important European congress. You will vividly remember that we had to cancel the start EUROMEDLAB on November 28th 2021 due to a likely shut-down announced for our conference region in Bavaria. Together with a logistically difficult, yet mandatory daily testing regimen for every participant, it would have been impossible to provide the registered participants in Munich with an orderly conference visit and experience. Since then, vaccination programs have further advanced, and vaccines prove their efficiency to protect against serious Covid manifestations every day. As we enter into what is called the endemic stage of SARS-CoV2, restrictions are now increasingly being lifted by health authorities here and abroad as a consequence.
As your organizers, we have been closely and constantly monitoring the situation since and encourage you to attend the EUROMEDLAB and join us in Munich. You will witness an innovative scientific and educational program around the congress and can enjoy the vibrant city of Munich with opportunities for social interactions and networking with colleagues from Europe and beyond. As you can expect from a leading forum for our profession, a broad range of international speakers, key opinion leaders and stakeholders will bring front-edge topics in health care, diagnostic technologies, scientific advances and professional matters to life. Also, you can expect a lively industry exhibition floor featuring the latest products and developments in diagnostic technologies brought to you by the leading manufacturers that look forward to your visit.

We encourage you to visit the EUROMEDLAB website for more information on the program and an early registration (www.euromedlab2021munich.org/registrations/). Undoubtedly, your presence will add to the success of this EUROMEDLAB and we are looking forward to seeing you in Munich and thank you for your continued support and endurance.
With best regards

Prof. Dr. Michael Neumaier
Chair of Organizing committee

WELCOME MESSAGES

Dear colleagues, dear friends,

On behalf of the German Society for Clinical Chemistry and Laboratory Medicine (DGKL), I am pleased to welcome you to EUROMEDLAB 2021 in the International Congress Center of Munich. As we are all aware, the Corona pandemic has forced us to postpone the congress twice for almost a year. Currently, we expect that herd immunity to SARS-CoV 2 will be achieved with the successful vaccination programs in Europe and worldwide and the high infection rates of the milder Omikron variant. When we had to postpone the congress the second time in the fall of 2021, this development was not yet foreseeable. But by now we feel that it is justifiable to offer again a traditional congress in compliance with appropriate measures to avoid infection.

With this format, we therefore hope to build on the so successful EUROMEDLAB congresses of the past and enable the very much missed direct scientific exchange and discussion. For those participants who cannot travel to Munich for a variety of reasons, an appropriate digital offering is planned, but in our opinion this can never fully replace the direct experience of a congress.

The organizing committee and the scientific program committee have worked continuously during the pandemic and, in my opinion, have once again put together a wide-ranging, extraordinary scientific program. Special thanks to all the speakers who were able to make the new dates possible despite being postponed twice. The congress program with plenary lectures, symposia including 4 DGKL-symposia, viewpoint sessions, educational workshops, and poster sessions will be complemented by a large exhibition showcasing the latest developments in the diagnostic industry. We are particularly grateful that there was consensus between the organizing committee and the industrial partners to organize an exhibition in the traditional format in compliance with local regulations supplemented by innovative virtual offerings.

I am sure that after a tremendously difficult time this congress in the hospitable city of Munich will provide the forum for fruitful scientific and personal exchange among the participants from all over Europe and the World as we know it from previous EUROMEDLAB congresses.

With my very best regards,

Professor Karl Lackner
Congress President

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Workshop 1
Monday, April 11, 2022
14:00 – 15:00 CET, Room 13b

Topic:
Providing clinical answers with innovative technology

Chair:
Dr Ondrej Valina
Sysmex Europe GmbH

Speakers:
PD Dr Mathias Zimmermann
virtual talk, DRK Kliniken, Berlin, Germany;
Prof. Johan Elf
University Uppsala, Sweden

Workshop 2
Monday, April 11, 2022
15:30 – 16:30 CET, Room 13a

Topic:
Let your lab work flow: Striving for operational excellence

Chair:
Maros Heidinger
Sysmex Europe GmbH

Speakers:
Rexhina Cipi
Sysmex Europe GmbH;
Johanna Engelage
Sysmex Europe GmbH;
Tanja Tornow
Sysmex Europe GmbH

Workshop 3
Tuesday, April 12, 2022
14:00 – 15:00 CET, Room 13b

Topic:
Towards a smarter lab with digitally enhanced solutions

Chair:
Theo Hofman
Sysmex Europe GmbH

Speakers:
Dr Jean-Marc Giannoli
Biogroup Laboratories, Neuville-sur-Saône, France;
Dr Patrick Cohen
virtual talk, Geneva University Hospital, Switzerland;
Koray Yurdakul
Sysmex Turkey

We will host further exciting sessions in our live presentation area on our booth!

Go to this page for a schedule of our live presentation area sessions and details on our upcoming workshops:

www.sysmex-europe.com/EML2021

Visit us in hall C1, booth no. 207

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Mariana Serres Gomez	Spain
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EFLM BURSARIES IN MEMORY OF VIC BLATON - RESERVED TO SELECTED EFLM COUNTRIES

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Neda Milinkovic	Serbia
Elena Petrushevska Stanojevska	North Macedonia
Tamar Ramishvili	Georgia
Elira Tashi	Albania

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EFLM Award for Scientific Achievements in Laboratory Medicine
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WEEK AGENDA

LEGEND
PL: Plenary Lecture
SYM: Congress Symposium
EDUW: Educational Workshop
HYBRID SESSIONS:

Sunday 10 April

ROOM 14	
17.00-20.00	OPENING CEREMONY Welcome reception

Monday 11 April

ROOM	ROOM 1	ROOM 5	ROOM 13a	ROOM 13b	ROOM 14a	ROOM 14c	EXHIBITION HALL
9.00 10.00	PL 1 Fine tuning of innate immunity						10.00-17.30 Exhibition open
10.00 10.30	BREAK						
10.30 12.30	SYM 1 Acute Kidney Injury biomarkers: from lab to bedside	SYM 2 Chronic myeloproliferative neoplasms	SYM 3 Performance Specifications in Laboratory Medicine – from different models to practical use	SYM 4 Clinical Use Cases for Integrated diagnostics for Laboratory Medicine and Radiology	SYM 5 COVID-19: biology, clinics, laboratory diagnostics and biosafety issues	DGKL Metabolomics via NMR spectroscopy	
12.30 14.00	POSTER SESSION LUNCH						
14.00 15.00	EDUW 1 Siemens		EDUW 3 Abbott	EDUW 4 Sysmex	EDUW 5 Roche	SYM 6 (14.00 - 16.00) Artificial intelligence, data science and laboratory medicine: crossed destinies	
15.30 16.30	VIEWPOINT Is eGFR the gold standard for evaluating renal dysfunction?	EDUW 6 Mindray	EDUW 7 Sysmex	EDUW 8 Waters	EDUW 9 Snibe		
17.00 18.00	VIEWPOINT Quantitative mass spectrometry vs immunoassays of clinically relevant peptides and proteins					SESSION Containment of a viral pandemic: is diagnostic performance rate-limiting?	

WEEK AGENDA

Tuesday 12 April

ROOM	ROOM 1	ROOM 5	ROOM 13a	ROOM 13b	ROOM 14a	ROOM 14c	EXHIBITION HALL
9.00 10.00	PL 2 Biomarkers for cardiovascular risk stratification						10.00-17.30 Exhibition open
10.00 10.30	BREAK						
10.30 12.30	SYM 7 Implementation of Liquid Biopsy	SYM 8 New approaches for determining reference intervals across all ages	SYM 9 New insights in amyloidosis	SYM 10 How to make EQA fit for purpose?	SYM 11 Hemostasis	DGKL Autoimmune disorders of coagulation	
12.30 14.00	POSTER SESSION LUNCH						
14.00 15.00	EDUW 15 Ortho		EDUW 17 Abbott	EDUW 18 Sysmex	EDUW 19 Roche	SYM 12 (14.00 - 16.00) New development in Diagnosis and therapy of dyslipidemia and CVD	
15.30 16.30	VIEWPOINT Biomarkers of alcohol abuse in clinical and forensic use – strengths and limitations	EDUW 20 Mindray	EDUW 21 GMT Science	EDUW 22 Sebia	EDUW 23 Snibe		
17.00 18.00	VIEWPOINT Which future for HbA1c as biomarker of diabetes monitoring?			EDUW 26 Siemens			

WEEK AGENDA

Wednesday 13 April

ROOM	ROOM 1	ROOM 5	ROOM 13a	ROOM 13b	ROOM 14a	ROOM 14c	EXHIBITION HALL
9.00 10.00	PL 3 Integrative Diagnostics as the Key Driver for Intelligent Systems in Medicine						10.00-17.30 Exhibition open
10.00 10.30	BREAK						
10.30 12.30	SYM 15 High-sensitivity troponins and beyond	SYM 14 Advances in IQC tools and techniques	SYM 13 Porphyrias – integration of laboratory medicine and clinical care (A symposium in memorial of the 140 years anniversary of the birth of Hans Fischer)	SYM 16 Health platforms of the future and clinical relevance of interoperability	SYM 17 New trends in standardization	DGKL Personalised medicine in allergy diagnostics	
12.30 14.00	POSTER SESSION LUNCH						
14.00 15.00	EDUW 29 Ortho		EDUW 31 Abbott	EDUW 32 Siemens	EDUW 33 Roche	SYM 18 (14.00 - 16.00) Consequences of IVDR Regulations on Laboratory Medicine	
15.30 16.30	VIEWPOINT Regulating direct-to-consumer testing 2.0: Protecting the consumer		EDUW 35 BD				
17.00 18.00							

WEEK AGENDA

Thursday 14 April

ROOM	ROOM 1	ROOM 5	ROOM 13a	ROOM 13b	ROOM 14a	ROOM 14c
9.00 10.00	PL 4 Towards next generation diagnostics by X-omics					
10.00 10.30	BREAK					
10.30 12.30	SYM 23 How does Point of Care Testing change the clinical pathways?	SYM 20 Autoimmune Encephalitis	SYM 21 Urinalysis: a new look at old tests	SYM 22 Young Scientist Session	SYM 19 New diagnostic approaches in Laboratory Medicine	DGKL Emerging infectious diseases – impact of laboratory diagnosis
	Closing Ceremony					

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17:00-20:00 **Welcome addresses** ROOM 14

Euromedlab Munich 2021 President, K. Lackner
Euromedlab Munich 2021 Chair, M. Neumaier
IFCC President, K. Adeli
EFLM President, T. Ozben
DGKL President, H. Renz

Announcement of EFLM Awards
EFLM President, T. Ozben

OPENING LECTURE
Chair: M. Neumaier

Where, when, and how?
The Quest for Extraterrestrial Life
W. Duschl (Germany)

Welcome Cocktail

Prof. Dr. Wolfgang J. Duschl

• 1958 born in Munich, Germany

• 1985 PhD from the University of Munich (LMU and Max Planck Institute for Astrophysics)

• Worked at the Universities of Heidelberg (Germany), Cambridge (UK), and Arizona (Tucson, USA), and the Max Planck Institutes of Astrophysics (Garching, Germany) and Radio Astronomy (Bonn, Germany)

• Current positions: Director and Full Professor of Astrophysics at the Christiana Albertina University (CAU, Kiel, Germany); Affiliated Astronomer at Steward Observatory (Tucson, AZ, USA); Prof.h.c. at Irkutsk State University (Russia); Chairman of the Academic Senate of the CAU; Chairman-elect of the Board of Directors of the International Journal "Astronomy & Astrophysics"

• Main research fields: Atmospheres of exoplanets; evolution of super-massive black holes in galactic centers

9:00-10:00 **PLENARY LECTURE** ROOM 1

Chair: P: Gillery (France)

Fine tuning of innate immunity
T. Chavakis (Germany)

10:00-10:30 Break

Triantafyllos Chavakis

is director of the Institute for Clinical Chemistry and Laboratory Medicine of the University Clinic Dresden since 2017. He was a principal investigator and head of the Inflammation Biology Section of the Experimental Immunology Branch, National Cancer Institute, NIH, Bethesda MD from 2005-2010. His research focuses on Innate Immunity and Metabolic Inflammation. Specifically, his lab aims at identifying mechanisms that are involved in the regulation of inflammation in the context of metabolic-inflammatory pathologies (obesity-related insulin resistance and NAFLD), inflammatory bone loss and cancer. A further focus is on innate immune cell generation (myelopoiesis) and activation in the context of trained innate immunity (a form of innate immune memory).

10:30-12:30 ROOM 1

SYMPOSIUM 1

Acute Kidney Injury biomarkers: from lab to bedside

Chairs: C. Ronco (Italy), F. Alcantara (Brazil)

C. Ronco

F. Alcantara

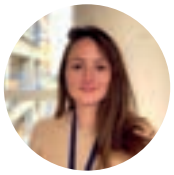
The continuum of AKI and the utility of biomarkers
C. Ronco (Italy)

L. Forni

New Biomarkers in AKI: application in clinical routine
L. Forni (UK)

M. Ostermann

Prevention/protection of the kidney guided by biomarkers
M. Ostermann (UK)


T. van Duijl

Urinary kidney injury biomarkers determined by LC-MRM-MS in health and disease
T. van Duijl (The Netherland)

R. Galván

The role of the laboratory in the early detection of acute kidney injury in hospitalised patients
R. Galván (Spain)

10:30-12:30 ROOM 5

SYMPOSIUM 2

Chronic myeloproliferative neoplasms

Chairs: D. Coriu (Romania), S.N. Constantinescu (Belgium)

D. Coriu

S.N. Constantinescu

Diagnostic algorithm in myeloproliferative neoplasms
D. Coriu (Romania)

C. Mambet

Inhibiting pathologic signaling induced by driver and epigenetic mutations in myeloproliferative neoplasms: monitoring treatment by next generation sequencing
S.N. Constantinescu (Belgium)

J. Rodellar

Challenges of using next-generation sequencing technologies in the clinical management of myeloproliferative neoplasms
C. Mambet (Romania)

ALNeT: a new deep learning model for the diagnosis of acute leukaemia lineage using peripheral blood cell images
J. Rodellar (Spain)

10:30-12:30 ROOM 13a

SYMPOSIUM 3

Performance Specifications in Laboratory Medicine – from different models to practical use

Chairs: S. Sandberg (Norway), A. R. Horvath (Australia)

S. Sandberg

A.R. Horvath

Analytical performance specifications: From models to practical use
S. Sandberg (Norway)

Outcome-based models – a link between clinical and analytical performance
A.R. Horvath (Australia)

A practical way of calculating measurement uncertainty in laboratory medicine and compare it to APS
A. Coskun (Turkey)

Analytical Performance Specifications Derived from Uncertainty Budgets Based on Clinical Decision Limits
E.S. Rotgers (Finland)

A. Coskun

E.S. Rotgers

10:30-12:30 ROOM 13b

SYMPOSIUM 4

Clinical Use Cases for Integrated diagnostics for Laboratory Medicine and Radiology

Chairs: M. Fuchsjäger (Austria), M. Neumaier (Germany)

M. Fuchsjäger

M. Neumaier

EIBIR, a support platform for research funding in future integrative diagnostics between imaging and the laboratory
K. Krischak (Austria)

Personalized Diagnostics in detection of recurrence of metastatic colorectal cancer
S. Schönberg (Germany), V. Haselmann (Germany)

Prediction of prognosis based on laboratory data and chest CT
S. Cappabianca (Italy)

Integrative diagnostics to investigate tissue damage dynamics
M. Frölich (Germany), C. Gerhards (Germany)

K. Krischak

S. Schönberg

S. Cappabianca

M. Frölich

C. Gerhards

V. Haselmann

10:30-12:30 ROOM 14a

SYMPOSIUM 5

COVID-19: biology, clinics, laboratory diagnostics and biosafety issues

Chairs: G. Lippi (italy), K. Adeli (Canada)

G. Lippi

K. Adeli

Biology and clinics of COVID-19
G. Lippi (Italy)

Molecular and serological testing of COVID-19
K. Adeli (Canada)

T.P. Loh

Laboratory responsiveness to COVID-19: results of an IFCC survey
T.P. Loh (Singapore)

D. Koch

Clinical laboratory testing in a pandemic: what we have learned from the COVID-19 experience
D. Koch (USA)

10:30-12:30 ROOM 14c

DGKL SYMPOSIUM

Metabolomics via NMR spectroscopy

Chairs: M. Nauck (Germany), U. Günther (Germany)

M. Nauck

U. Günther

Lipoprotein diagnostics via NMR.
From research to clinical application
M. Nauck (Germany)

A. Petersmann

Blood Lipo- and Glycoproteins in COVID-19 Patients
U. Günther (Germany)

O. Racz

NMR Biomarker Research:
Targeted and untargeted approach
A. Petersmann (Germany)

Association of triacylgcerol-glucose index with low-density lipoprotein particle number and size measured by proton nuclear magnetic resonance spectroscopy
O. Racz (Slovakia)

A.Z. Gul

Serum Metabolome Analysis of Iron Deficiency Anemia Patients Using Nuclear Magnetic Resonance (Quantitative Approach)
A.Z. Gul (Turkey)

12:30-14:00 HALL C1

POSTER SESSION

14:00-16:00 ROOM 14c

SYMPOSIUM 6

Artificial intelligence, data science and laboratory medicine: crossed destinies

Chairs: D. Gruson (France), M. Cowie (UK)

D. Gruson

M. Cowie

The AI data wave, seizing opportunities
M. Cowie (UK)

How to dive into large scale dataset?
B. Macq (Belgium)

B. Macq

What are the keys for Europe as a space for data and AI?
Y. Tolias (Belgium)

Y. Tolias

Round Table
M. Cowie (UK), B. Macq (Belgium), Y. Tolias (Belgium)

15:30-16:30 ROOM 1

VIEWPOINT 1

Is eGFR the gold standard for evaluating renal dysfunction?

Chair: K. Makris (Greece)

K. Makris

Measuring GFR–tohubohu
E. Schaeffner (Germany)

E. Schaeffner

Estimating eGFR: no blind trust
C. Mariat (France)

C. Mariat

17:00-18:00 ROOM 1

VIEWPOINT 2

Quantitative mass spectrometry vs immunoassays of clinically relevant peptides and proteins

Chair: C. Cobbaert (Netherlands)

C. Cobbaert

Can quantitative mass spectrometry replace immunoassays for blood proteins? The only question is when?
C. Borchers (Canada)

C. Borchers

Quantitative mass spectrometry cannot replace immunossays for blood proteins
S. Lehmann (France)

S. Lehmann

17:00-18:00 ROOM 14c

SESSION

Containment of a viral pandemic: is diagnostic performance rate-limiting?

Chairs: M. Kittel (Germany), M. Neumaier (Germany)

M. Kittel

M. Neumaier

Lessons from the CoVLAB initiative: diagnostic performance vs scalability
M. Kittel (Germany)

Pebble: filling-in the gap of point-of-care molecular testing
D. Kourougkiaouri (Grrece), S. Katsaros (Greece)

Rational clinical use of POCT methods for molecular detection of infectious agents
P. Luppa (Germany)

D. Kourougkiaouri

S. Katsaros

P. Luppa

CoVLAB
BADEN-WÜRTTEMBERG

Die mobile Corona-Teststation
Eine Initiative der
Baden-Württemberg Stiftung

THE MOBILE CORONA TEST STATION

INSIGHTS INTO A UNIQUE INITIATIVE

Please take the opportunity to take part in a guided tour and discussions with our medical team.

You will find us at EuromedLab next to the main entrance from April 11th until April 14th, 2022.

CoVLAB is our innovative contribution in the fight against the SARS-CoV-2 pandemic. For almost two years this mobile corona test station has been on tour in the federal state Baden-Württemberg – demand-actuated, fast and flexible on site. This was made possible by a mobile biosafety lab with high-end equipment for molecular biological virus detection. The project was specifically developed for the detection of SARS- CoV-2 infections.

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14.00-15.00 ROOM 1

EDUW 1 – SIEMENS HEALTHINEERS

Title: High Sensitivity cardiac Troponin I: Central lab or POC, the choice is yours

Chair: Alessandro Ortisi – Siemens Healthineers, Associate Director Global Clinical Marketing

Speakers:

Johannes Neumann, MD – Department of Cardiology, University Heart and Vascular Center Hamburg, German Center for Cardiovascular Research (DZHK), Hamburg, Germany

Evaluation of patients with suspected myocardial infarction

Nils A. Sörensen MD – Department of Cardiology, University Heart and Vascular Center Hamburg, German Center for Cardiovascular Research (DZHK), Hamburg, Germany

High-sensitivity point-of-care troponin testing

Learning Objectives:

- Understand diagnostic steps required in patients with suspected myocardial infarction
- Learn about diagnostic algorithms using high-sensitivity troponin assays
- Learn about novel diagnostic strategies using point-of-care assays

14.00-15.00 ROOM 13a

EDUW 3 – ABBOTT

Title: Novel Blood Tests for Game-Changing Detection and Treatment of Traumatic Brain Injury

Chair: Dr. Alex Carterson – DVP Medical, Clinical and Scientific Affairs, Abbott

Speakers:

Peter Biberthaler, MD – Chair, Department of Trauma Surgery, Technical University Munich

Diagnostic Dilemma of mild Traumatic Brain Injury

Beth McQuiston, MD – Senior Medical Director, Abbott

Traumatic Brain Injury: State of the Art Management

Learning objectives:

- Recognize the crucial unmet need for improved brain health assessment
- Appreciate the objective value of GFAP (Glial Fibrillary Acidic Protein) and UCH-L1 (plasma ubiquitin C-terminal hydrolase-L1) as new game-changing tests that help clinicians evaluate the brain and optimize care pathways for traumatic brain injury
- Identify collaborative opportunities to achieve measurably better outcomes related to TBI (Traumatic Brain Injury) for patients, payors clinicians and health systems.

14.00-15.00 ROOM 13b

EDUW 4 – SYSMEX

Title: Providing clinical answers with innovative technology

Chair: Dr. Ondrej Valina – Sysmex Europe GmbH

Speakers:

PD Dr. Mathias Zimmermann, DRK Kliniken Berlin, Germany

Prof. Johan Elf, University Uppsala, Sweden

Learning objectives:

Sysmex as an IVD manufacturer is aware about diagnostic challenges of clinicians in everyday routine. This workshop will review the current practice in infection diagnostics (performance and availability of biomarkers and lab tests) and present products and technologies from haematology and point-of care that can close gaps in diagnostic information. The learning objective is to create awareness for already available and future innovative products with the aim to improve healthcare.

14.00-15.00 ROOM 14a

EDUW 5 – ROCHE

Title: Pandemic Preparedness

Chair: Dr. Christian Simon, Roche Diagnostics

Speakers:

PD.Dr.med. Andreas Wieser, Global Health & Infectious Diseases at the Medical Center of the University of Munich

Fighting Emerging Pathogens – the COVID Pandemic response in Germany

Prof.Dr.med. Stefan Holdenrieder, Director of the Institute of Laboratory Medicine, German Heart Center of the Technical University Munich

Diagnostic follow-up in a post vaccine setting

Learning objectives:

We're now almost two years on since the COVID-19 pandemic first hit and yet great uncertainty remains. Whilst there has been huge progress in terms of vaccine development and administration, less than a third of the world's population has received one or more doses of a SARS-CoV-2 vaccine, and there is great variation between countries. As new strains of the virus develop, we must aim for complete vaccine coverage, else we leave ourselves collectively exposed. And as the virus adapts, so must our communal response. To date we have led with social distancing measures and lockdown legislations, but reliable antibody testing enables widespread mass screening that - in combination with local and national policies – can modify and optimize restriction strategies. The information collected can also help scientists assess the exposure of different populations and levels of disease burden so that they can begin to predict its spread. The resulting insights can be used to inform strategies aiming to further contain and counter the virus, optimize governmental responses and ready health services so they are better able to cater to the needs of the people they serve.

15.30-16.30 ROOM 5

EDUW 6 – MINDRAY

Title: The pre-classification of digitized images from peripheral blood

Chairs: Giuseppe D'Onofrio – Università Cattolica del Sacro Cuore, Rome, Italy
Francesca Mancini – Policlinico Umberto I, Rome, Italy

Speaker:

Gina Zini – Fondazione Policlinico Universitario A. Gemelli IRCSS, Rome, Italy

The pre-classification of digitized images from peripheral blood

Learning objective:

Morphological evaluation of peripheral blood (PB) and bone marrow (BM) blood cells through optical microscopic (OM) examination remains a cornerstone in hematological diagnosis.
The development of digitized cell images technology and the current availability of systems capable of pre-classifying digitized blood cell images from PB smears offers practical possibilities of clinical applications and new opportunities in the hematology laboratory practice.
In this workshop comparison between morphology under OM and digitized morphology pre-classification on PB smears from onco-hematological patients will be presented.

15.30-16.30 ROOM 13a

EDUW 7 – SYSMEX

Title: Let your lab work flow. Striving for operational excellence.

Chair: Maros Heidinger – Sysmex Europe GmbH

Speakers:
Rexhina Cipi, Germany – Sysmex Europe GmbH
Johanna Engelage, Germany – Sysmex Europe GmbH
Tanja Tornow, Germany – Sysmex Europe GmbH

Learning objecticves:

When designing a specific work area in the laboratory, one of the challenges is to consider the surrounding processes while targeting their significant improvement, and the selection of a specific analyser configuration best possible supporting the key improvement points and KPIs defined by the laboratory. For decades, the Lean methodology has offered the respective tools and procedures for identifying and eliminating waste in processes. This workshop demonstrates the application of the Lean methodology to specific work areas with the aim to identify optimisation potential by eliminating waste and present solutions specifically addressing the identified optimisation potential.

15.30-16.30 ROOM 13b

EDUW 8 – WATERS

Title: The role of LC-MS in a clinical laboratory

Speakers:
Benjamin Dugas, Senior Global Marketing Manager Clinical Diagnostics
Godo Bosch, Director Strategic Development Clinical Markets, EMEA
Katharina Kern, Lead Mass Spectrometry Group, R&D, RECIPE GmbH, Munich

Learning objectives:

While Immunoassays play a central role in Clinical Laboratories some needs have required the search for new technologies. We will discuss what Liquid Chromatography with Mass Spectrometry (LC-MS) is, what it brings to the laboratory and how it complements Immunoassays.
Examples in routine work such as Endocrinology and Therapeutic Drug Monitoring assays will support the discussion. A short look at future possibilities will also be exposed with SARS CoV2 virus measurements.

15.30-16.30 ROOM 14a

EDUW 9 – SNIBE

Title: New insights in immunoassays

Chair: Prof. Mario Plebani

Speakers:
Prof. Mario Plebani - Department of Laboratory Medicine, University Hospital of Padova, Italy
SARS-CoV- 2 antibodies testing: why, when and how?
Prof. János Kappelmayer - Department of Laboratory Medicine, University of Debrecen, Hungary
Experience with AMH and Tacrolimus measurements on the MAGLUMI 800 analyzer

Learning objectives:

The main learning objective of the workshop is to offer an update in the field of immunoassays. Immunoassays still play a central role in laboratory medicine, but some issues require further efforts:
• Harmonization and standardization
• Immunoassays versus mass spectrometry
• Biological function versus mass concentration: the case of SARS-CoV-2 neutralizing antibodies

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9:00-10:00 **PLENARY LECTURE** ROOM 1

Chair: K. Lackner (Germany)

Biomarkers for cardiovascular risk stratification
S. Blankenberg (Germany)

10:00-10:30 Break

Stefan Blankenberg

1989 - 1996	Studies of Medicine at Johannes Gutenberg-University, Mainz Johann Wolfgang Goethe-University, Frankfurt and Mount Sinai Medical School, New York, USA
1996	State Examination, Medical Doctor
1996 - 2002	Wissenschaftlicher Assistent (resident and fellow) at the Department of Medicine II, Johannes Gutenberg-University Mainz
2002 - 2003	INSERM Scholarship for post-doctoral training in "Molecular Genetics and Genetic Epidemiology" at INSERM U525, Faculté de Médecine Pitié-Salpétrière Paris, France
2003 - 2005	Wissenschaftlicher Assistent (resident and fellow) at the Department of Medicine II, Johannes Gutenberg-University Mainz
2004	PhD thesis (Habilitation) at the Department of Medicine II, Johannes Gutenberg-University Mainz
2005 - 2011	Senior physician at the Department of Medicine II, Johannes Gutenberg-University Mainz
2005 - 2011	Full Professor of Medicine and Faculty Member of the Johannes Gutenberg-University Mainz
2007 - 2011	Leading senior physician and deputy director of the Department of Medicine II, Johannes Gutenberg University of Mainz
2008 - 2011	Speaker of the "Schwerpunkt Vaskuläre Prävention" (Interdisciplinary task force "Vascular prevention") of the Johannes Gutenberg University, Mainz
2011 - present	Director of the Clinic for Cardiology, University Heart Center, Hamburg
2011 - present	Board of Directors, German Center for Cardiovascular Research (DZHK)
2011 - 2019	Speaker Cardiovascular Research Center Hamburg, University Medical Center Hamburg Eppendorf, Germany
2012 - 2018	Speaker of the German Heart Research Center (DZHK) Partner Site Hamburg
2013 - 2021	(April) Board of Directors, German Society of Cardiology
2018 - present	Medical Director of the University Heart & Vascular Center Hamburg

10:30-12:30 ROOM 1

SYMPOSIUM 7

Implementation of Liquid Biopsy

Chairs: M. Neumaier (Germany), V. Haselmann (Germany)

M. Neumaier

V. Haselmann

Liquid Biopsy/cell free DNA: talk of the town, but where is the action?
R. van Schaik (Netherlands)

R. van Schaik

Cancer Epigenetic Biomarkers in Liquid Biopsy
S.A. Joosse (Germany)

S.A. Joosse

The importance of Integrative molecular analysis in Liquid biopsies
E. Lianidou (Greece)

E. Lianidou

HTA of clinical decision-making of circulating nucleic acids in cancer patients
M. IJzerman (Australia)

M. IJzerman

10:30-12:30 ROOM 5

SYMPOSIUM 8

New approaches for determining reference intervals across all ages

Chairs: Y. Ozarda (Turkey), T. Streichert (Germany)

Y. Ozarda

T. Streichert

Comparison of different approaches for deriving reference intervals
Y. Ozarda (Turkey)

K. Ichihara

Age related RIs: Methods for continuous RIs and possible applications
T. Streichert (Germany)

M. K. Bohn

A new computer-intensive approach for the indirect derivation of reference intervals
K. Ichihara (Japan)

N. Brouwer

Pediatric Reference Intervals for Trace Elements in the CALIPER cohort of healthy children and adolescents using ICP-MS/MS and HR-MS Technology
M. K. Bohn (Canada)

NUMBER-2: The automation and extension to routine haematology of the Dutch indirect data-mining approach to establish population-specific reference intervals
N. Brouwer (The Netherlands)

10:30-12:30 ROOM 13a

SYMPOSIUM 9

New insights in amyloidosis

Chairs: G. Palladini (Italy), S.O. Schönland (Germany)

G. Palladini

S.O. Schönland

The clinical laboratory in the management of systemic amyloidosis: state of the art
G. Palladini (Italy)

B. Paiva

Genetics of the amyloidogenic plasma cell clone: impact on clinical management
S.O. Schönland (Germany)

Assessment of MRD in AL amyloidosis
B. Paiva (Spain)

10:30-12:30 ROOM 13b

SYMPOSIUM 10

How to make EQA fit for purpose?

Chairs: P. Meijer (Netherlands), C. Buchta (Austria)

P. Meijer

C. Buchta

What are the fundamental aims of EQA?
C. Buchta (Austria)

J. Cadamuro

The role of EQA in quality assurance of the extra-analytical phase
J. Cadamuro (Austria)

A.E. Solsvik

Patient results for "real-time" surveillance of pre-analytical and analytical stability
A.E. Solsvik (Norway)

G. Davies

Development of an External Quality Assessment (EQA) Programme for SARS-CoV-2 Ab
G. Davies (UK)

M. van Schrojenstein Lantman

Assessing laboratory performance of hs-c-troponin with EQA data
M. van Schrojenstein Lantman (The Netherlands)

10:30-12:30 ROOM 14a

SYMPOSIUM 11

Hemostasis

Chairs: B. Lammle (Germany), K. Vanhoorelbeke (Belgium)

B. Lammle

K. Vanhoorelbeke

Procoagulant COAT platelets: Mechanisms and clinical relevance
L. Alberio (Switzerland)

L. Alberio

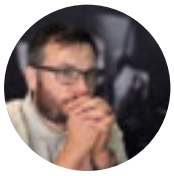
Monitoring of novel therapies of hemophilia in the clinical laboratory
S. Kitchen (UK)

S. Kitchen

Thrombotic thrombocytopenic purpura – from bench to bedside
K. Vanhoorelbeke (Belgium)

M. Lenski

Diagnosis and laboratory-guided clinical management of anticoagulant rodenticides poisoning
M. Lenski (France)



M. Vidali

Multicentre study on the comparison of methods for the measurement of anticoagulant activity in patients treated with DOAC (Direct Oral AntiCoagulants)
M. Vidali (Italy)

10:30-12:30 ROOM 14c

DGKL SYMPOSIUM

Autoimmune disorders of coagulation

Chairs: K. Lackner (Germany), T. Bakchoul (Germany)

K. Lackner

T. Bakchoul

Immune thrombocytopenia – diagnosis and treatment
T. Bakchoul (Germany)

N. Müller-Calleja

Pathophysiology and Diagnosis of Antiphospholipid Syndrome
N. Müller-Calleja (Germany)

A. Tiede

Acquired hemophilia – diagnosis and treatment
A. Tiede (Germany)

12:30-14:00 HALL C1

POSTER SESSION

14:00-16:00 ROOM 14c

SYMPOSIUM 12

New development in Diagnosis and therapy of dyslipidemia and CVD

Chairs: B. Nordestgaard (Denmark), A. von Eckardstein (Switzerland)

B. Nordestgaard

A. von Eckardstein

Advances in lipid-lowering therapy through antibody-based and gene-silencing technologies
B. Nordestgaard (Denmark)

M. Langlois

Measuring atherogenic lipoproteins that address residual cardiovascular risk beyond LDL-c
M. Langlois (Belgium)

C. Cobbaert

The challenges of measuring apolipoprotein(a) and its relevance for patient management and patient outcome
C. Cobbaert (Netherlands)

HDL-Quo vadis?
A. von Eckardstein (Switzerland)

15:30-16:30 ROOM 1

VIEWPOINT 3

Biomarkers of alcohol abuse in clinical and forensic use – strengths and limitations
Chair: U. Ceglarek (Germany)

U. Ceglarek

Carbohydrate deficient transferrin as marker for alcoholism, its use in comparison with 'old' indirect biomarkers
JPM. Wielders (Netherlands)

JPM. Wielders

Ethylglucuronide (EtG) – the one and only (direct) marker of alcohol consumption?
H. Andresen-Streichert (Germany)

H. Andresen-Streichert

17:00-18:00 ROOM 1

VIEWPOINT 4

Which future for HbA1c as biomarker of diabetes monitoring?
Chair: E. Kilpatrick (UK)

E. Kilpatrick

HbA1c remains the gold standard
G. John (UK)

G. John

The future belongs to Time in Range and continuous glucose monitoring indications
D. Leslie (UK)

D. Leslie

14.00-15.00 ROOM 1

EDUW 15 – ORTHO CLINICAL DIAGNOSTICS

Title: Chimeric Antigen Receptor (CAR)-T cell therapy: research findings, clinical applications, and markers to control cytokine release syndrome

Chair: Els Melis, EMEA Senior Marketing Manager Clinical Labs Assays, Ortho Clinical Diagnostics

Speakers:

Prof. Álvaro Urbano Ispizua, Director of the Institute of Hematology and Oncology of Hospital Clínic Barcelona and Full Professor of Medicine at the University of Barcelona.

Chimeric Antigen Receptor (CAR) – T cell therapy: from immunotherapy research to clinical applications in cancer treatment.

Cecilia Scarponi, EMEA Clinical Liaison, Ortho Clinical Diagnostics

Laboratory biomarkers for the investigation of CAR-T cells toxicity.

Learning objectives:

• The immunotherapy: mechanisms of action and targeted hematological malignancies
• The Patient: successful treatments and strategies to overcome side effects
• How laboratory tests can contribute to a favorable patient outcome? Which biomarkers are currently of interest to assess cytokine release syndrome and neurotoxicity associated with CAR-T cell therapy?

14.00-15.00 ROOM 13a

EDUW 17 – ABBOTT

Title: Achieving Measurably Better Healthcare… How to get started and achieve success through integrated clinical care initiatives

Speakers:

Tricia Ravalico, Director, Scientific Leadership and Education for Abbott, Core Diagnostics Executive Lead, UNIVANTS of Healthcare Excellence Program

Maria Salinas, PhD, Head of Laboratory, Hospital Universitari Saint Joan d'Alacant, Spain- 2020 UNIVANTS of Healthcare Excellence Global Winner

Rana Nabulsi, MD, Head Consultant on Healthcare Quality, Dubai Health Authority, UAE – 2020 UNIVANTS of Healthcare Excellence Awards, Global Distinction and Best of the Middle East

Learning objectives:

• Recognize, appreciate and emulate critical success factors and key attributes across successful integrated clinical care teams
• Define relevant key performance indicators that can be influenced and impacted by laboratory medicine and pathology leadership
• Highlight successful examples of award-winning best practices related to the Diabetes epidemic and COVID-19 pandemic.
• Identify opportunities to achieve and be recognized for measurably better healthcare performance

14.00-15.00 ROOM 13b

EDUW 18 – SYSMEX

Title: Towards a smarter lab with digitally enhanced solutions

Chair: Theo Hofman – Sysmex Europe GmbH

Speakers:

Jean-Marc Giannoli – Biogroup Laboratories, Neuville-sur-Saône, France

Value of combining QC and patient results for decision support on analytical performance

Dr. Patrick Cohen – Geneva University Hospital, Switzerland

Biomedical insights beyond the numbers

Koray Yurdakul, Sysmex Turkey

Leveraging virtual and mobile learning experiences in healthcare

Learning objectives:

In the laboratory of today, besides global challenges, many regulatory and organisational demands impact the daily work. Oftentimes it can be perceived as a burden, but it also gives new opportunities to improve the laboratory's quality, streamline processes and find ways to do things differently. With digitally enhanced solutions, information from multiple sources can be consolidated easily for a more holistic approach and lead to new insights. In this workshop, the synergy between existing and new cornerstones of monitoring the quality of analytical processes is demonstrated, explained how the use of expert software can support in clinical decision making and in which ways digital learning experiences can bring and maintain the knowledge of the laboratory staff on a high level while saving time and costs and reduce environmental impact.

14.00-15.00 ROOM 14a

EDUW 19 – ROCHE

Title: Diagnostic Innovation Drivers

Chair: Victor Jeger, PD Dr.med. MD, PhD, Roche Diagnostics

Speakers:

Prof. Dr. med. Michael Vogeser, Institute of Laboratory Medicine, Hospital University of Munich, Germany

Use of Mass Spectrometry in Clinical Diagnostics

Prof. Prof. Charlotte Teunissen, Universitair Medische Centra Amsterdam, The Netherlands

Timely and accurate differential diagnosis of patients with cognitive impairment

Learning objectives:

Mass spectrometry is a powerful analytical technology that has evolved from a research tool to a complementary platform in routine clinical laboratories. Unlike established methods such as immunoassays, MS allows true multiplexing, highest specificity of detection and unsurpassed reliability due to the use of standard compounds labelled with stable isotopes. With increasing clinical applications, the focus is on clinical chemistry and more recently microbiology. The main objective of this presentation is to give an overview of the current and developing clinical applications of MS.

Dementia affects millions of people worldwide and is expected to triple by 2050. Alzheimer's disease (AD) is the most common form of dementia and may contribute to 50-60% of cases. In 2015 the overall global cost of dementia was already USD 818 billion and is expected to increase to USD 2 trillion in 2030. Early diagnosis can benefit patients and society as a whole. Confirming a diagnosis of mild cognitive impairment (MCI) and Alzheimer's disease (AD) is important and often a relief for the individual and their loved ones. Receiving a diagnosis early enables patients to make changes to their diet and lifestyles which may slow the decline in their cognitive functions. Two of the main hallmark signs of AD are the "plaques" and "tangles" that develop in the brain, caused by the build-up of, respectively, amyloid and tau proteins. The accumulation of amyloid beta and tau starts decades prior to symptom onset. CSF biomarkers support early and accurate diagnosis of MCI and AD, as these biomarkers reflect the specific pathological accumulation of amyloid beta in plaques and tau in neurofibrillary tangles.

15.30-16.30 ROOM 5

EDUW 20 – MINDRAY

Title: Presepsin and new generation inflammatory biomarkers in COVID-19 and other infections

Chairs: Massimiliano M. Corsi Romanelli – Università degli Studi di Milano, Milan, Italy
Antonio Brattoli – Mindray Medical Italy S.R.L., Milan, Italy

Speaker:
Emanuela Galliera – Università degli Studi di Milano, Milan, Italy
Presepsin and new generation inflammatory biomarkers in COVID-19 and other infections
Learning objectives:
The appropriate identification of infection is the basis for effective treatment and control of infective diseases. Presepsin (PSP), an emerging biomarker of infection, has been recently described as early marker of different infections.
This workshop will present the evaluation of Presepsin, in correlation with new inflammatory markers, cytokine storm molecules and current inflammatory parameters (IL-6, IL-10, SuPAR and sRAGE), in order to define a panel of biomarkers that could be useful for a better prognostic prediction of COVID-19 mortality.

15.30-16.30 ROOM 13a

EDUW 21 – GMT SCIENCE

Title: Faecal metagenomics analysis made available at the medical lab to empower clinical diagnosis & management

Chair: Etienne Formstecher – CEO, GMT, Paris, France

Speakers:
Fay Betsou – Scientific Advisor, Laboratoire National de Santé, Luxembourg
In practice: setting up faecal metagenomics analyses at the medical laboratory
Francisco Guarner – Member of the Digestive System Research Unit, University Hospital Vall d'Hebron; Consultant of Gastroenterology, Teknon Medical Centre, Barcelona, Spain
Microbiota: a key player in physiology and pathophysiology
David Petiteau – Translational microbiomics, GMT, Paris, France
Q&A and discussion
Learning objectives:
The gut microbiota is now recognized as a novel therapeutic target in many clinical contexts. However, due to the lack of a reliable tool to characterize it, the proposed treatments can neither be adapted to the specific needs of the patient nor evaluated in terms of response.
The educational workshop will present how analysis of the faecal metagenome at the medical laboratory is now possible thanks to the combination of reliable, standardized and reproducible pre-analytical and analytical techniques with robust bioinformatics methods. By putting in place this solution, , medical laboratories can empower clinical diagnosis and management in various situations, including very common ones at the medical consultation where patients express gut complaints.

15.30-16.30 ROOM 13b

EDUW 22 – SEBIA

Title: What's new in Minimal Residual Disease testing for Multiple Myeloma?
Chair: Dr. Martijn van Duijn, Erasmus Medical Center, Rotterdam, The Netherlands

Speakers:
Dr. Thomas Dejoie, Biochemical Laboratory, University Hospital of Nantes, France
Overview of MRD testing in Myeloma and current needs
Dr. Hans Jacobs, Radboud University Medical Center, Nijmegen, The Netherlands
Mass spectrometry as a tool for MRD detection in the blood of Myeloma patients
Learning objectives:
• Why do we need MRD for patients?
• How do we process MRD in 2021?
• Why do we need alternative to the MRD bone marrow evaluation?
• Understand the principle of mass spectrometric measurements of clonotypic peptides (bottom-up MS).

15.30-16.30 ROOM 14a

EDUW 23 – SNIBE

Title: An update on tumor markers from the general aspects to their clinical uses
Chair: Prof. Tomris Ozben, Dept. of Clinical Biochemistry, Medical Faculty, University of Akdeniz, Antalya, Turkey

Speakers:
Prof. Tomáš Zima - Institute of Clinical Chemistry & Laboratory Diagnosis. First Faculty of Medicine Charles University Prague – Czech Republic
Classification of tumor markers. Characteristics of ideal tumor markers
Prof. Tomris Ozben - Dept. of Clinical Biochemistry, Medical Faculty, University of Akdeniz, Antalya, Turkey
Methods to measure tumor markers. Clinical uses of tumor markers for malignant diseases
Learning objectives:
Tumor markers are used to determine risk, screen for early cancers, establish diagnosis, follow prognosis, predict the efficiency of a specific therapy, and monitor for disease recurrence.
• Classification of tumor markers based on category, origin, structure, biological function in tumor growth or formation
• Characteristics of ideal tumor markers
• Methods to measure tumor markers
• Limitations of tumor marker tests
• Benign conditions associated with rise in tumor markers
Clinical uses of tumor markers for malignant diseases (clinical cases)

17.00-18.00 ROOM 13b

EDUW 26 – SIEMENS HEALTHINEERS

Title: Non-Invasive Assessment of Liver Fibrosis in Chronic Liver Diseases
Chair: Jean Charles Clouet – Siemens Healthineers, EMEA Clinical Marketing

Speaker:
Professor Jörn M. Schattenberg – Metabolic Liver Research Program, University Medical Center Mainz
Learning Objectives:
• Educate on the current growing burden of disease due to NAFLD/NASH
• Learn how non-invasive testing can help identify patients at risk of NASH progression
• Understand how clinicians can implement available patient pathways to improve referrals and decrease costs

9:00-10:00 **PLENARY LECTURE** ROOM 1

Chair: M. Neumaier (Germany)

Integrative Diagnostics as the Key Driver for Intelligent Systems in Medicine
S. Schönberg (Germany)

10:00-10:30 Break

Stefan Schönberg

is the Director of the Department of Radiology and Nuclear Medicine at the University Hospital Mannheim and Chair of Radiology and Nuclear Medicine at the Mannheim Medical Faculty of the University of Heidelberg. He earned his degree in medicine from Ruprecht-Karls-University in Heidelberg, Germany in 1995. In 2002, he received his doctorate in Diagnostic Radiology at the Medical Faculty of the University of Heidelberg.
Professor Dr. Schönberg is a specialist in Diagnostic Radiology and is a strong advocate for Integrated and Data-Driven Diagnostics. He has set significant benchmarks for fast and precise imaging diagnostics with the clinical advancement of parallel imaging and multi-channel technology in high-field magnetic resonance imaging (MRI). By combining morphological and functional MRI and CT diagnostics, he has established methods for a comprehensive non-invasive characterization of organ diseases. During his German Radiological Society (DRG) presidency from 2017 - 2019, he pioneered the International Radiomics Platform, which enables multi-center data-driven research projects.
Main research interests:

- Integrated Diagnostics
- Vascular and abdominal imaging
- Functional MRI
- High-field MRI
- Oncological imaging
- Radiomics and Artificial Intelligence

10:30-12:30 ROOM 13a

SYMPOSIUM 13

Porphyrias – integration of laboratory medicine and clinical care (A symposium in memorial of the 140 years anniversary of the birth of Hans Fischer)

Chairs: S. Sandberg (Norway), A.K. Aarsand (Norway)

S. Sandberg

A.K. Aarsand

Hans Fischer and his role in developing the field of porphyria
S. Sandberg (Norway)

Practical guidelines on how to diagnose the porphyrias
A.K. Aarsand (Norway)

Regulation of the haem biosynthesis
J. Philips (USA)

Newer treatment options for porphyria
J.C. Deybach (France)

J. Philips

J.C. Deybach

10:30-12:30 ROOM 5

SYMPOSIUM 14

Advances in IQC tools and techniques

Chairs: T. Badrick (Australia), E. Kilpatrick (UK)

T. Badrick

E. Kilpatrick

How is conventional QC practised now and how can it be improved?
E. Kilpatrick (UK)

The importance of demonstrating commutability of reference materials with IQC
V. Delatour (France)

Patient Based Real Time QC – an introduction
T. Badrick (Australia)

PBRTQC – implementing into routine practice validation and simulation
A. Bietenbeck (Germany)

V. Delatour

A. Bietenbeck

10:30-12:30 ROOM 1

SYMPOSIUM 15

High-sensitivity troponins and beyond

Chairs: S. Wittfooth (Finland), R. Christenson (USA)

S. Wittfooth

R. Christenson

Analytical aspects of high-sensitivity troponin assays: Impact on Clinical Application
R. Christenson (USA)

High-sensitivity troponins in clinical use
P. Collinson (UK)

P. Collinson

Troponin fragments for better specificity?
S. Wittfooth (Finland)

10:30-12:30 ROOM 13b

SYMPOSIUM 16

Health platforms of the future and clinical relevance of interoperability

Chair: C. Cobbaert (Netherlands)

C. Cobbaert

G. Grieve

K. Sikaris

Defining Interoperability in Healthcare with HL7-FHIR and understanding the potential transformation of pathology
G. Grieve (Australia)

The value of interoperable communication of pathology requests and results
K. Sikaris (Australia)

A. Tolios

Illuminating the Black Box - why and how to do explainable Artificial Intelligence in a medical setting
A. Tolios (Austria)

10:30-12:30 ROOM 14a

SYMPOSIUM 17

New trends in standardization

Chairs: P. Gillery (France), E. Cavalier (Belgium)

P. Gillery

E. Cavalier

S. Benton

C. Seger

Standardization of bone markers
E. Cavalier (Belgium)

Standardization in fecal immuno-testing
S. Benton (UK)

Traceability chains in Therapeutic drug monitoring: scope, limitations and state of the art
C. Seger (Switzerland)

G. Freckmann

Standardization in glucose monitoring
G. Freckmann (Germany)

10:30-12:30 ROOM 14c

DGKL SYMPOSIUM

Personalised medicine in allergy diagnostics

Chair: H. Renz (Germany)

H. Renz

Molecular Diagnosis and Digital Health for Precision Allergology
P. Matricardi (Germany)

P. Matricardi

C. Skevaki

Asthma and COPD diagnostics – lessons learned from multi-centre big data analysis
H. Renz (Germany)

The Janus-faced nature of viral infections in asthma
C. Skevaki (Gerrmany)

K. Niespodziana

Chip-based diagnosis for personalized treatment
K. Niespodziana (Austria)

12:30-14:00 HALL C1

POSTER SESSION

14:00-16:00 ROOM 14c

SYMPOSIUM 18

Consequences of IVDR Regulations on Laboratory Medicine

Chairs: C. Cobbaert (Netherlands), P. Monaghan (UK)

C. Cobbaert

P. Monaghan

The In Vitro Diagnostics Regulation – the perspective of the European Commission
O. Tkachenko (Belgium)

O. Bisazza

I. Slobodeaniuc

Consequences of the IVDR 2017/746 for the IVD-industry
O. Bisazza (Belgium), I. Slobodeaniuc (Belgium)

Consequences of the IVDR 2017/746 for Notified Bodies
A.F. Stange (Japan)

A.F. Stange

O. Tkachenko

Consequences of the IVDR 2017/746 for Laboratory Professionals
C. Cobbaert (Netherlands)

15:30-16:30 ROOM 1

VIEWPOINT 6

Regulating direct-to-consumer testing 2.0: Protecting the consumer

Chair: B. Gouget (France)

B. Gouget

Introduction: What is Direct-to-Consumer (D2C or DTC), how to increase Public Awareness
B. Gouget (France)

J.H. Nichols

Opportunities for decentralized testing in modern healthcare and dangers vs benefits of DTC
J.H. Nichols (USA)

M. Vaubourdolle

Advocacy for appropriate regulation of biological tests sold directly to consumers
M. Vaubourdolle (France)

14.00-15.00 ROOM 1

EDUW 29 – ORTHO CLINICAL DIAGNOSTICS

Title: Sustainable Laboratory Medicine: Prepare for the future now!

Chair: Dr. Bernard Gouget, Ph.D – ex-Assistant Professor at the University Hospital in Paris Descartes. President-Healthcare Division Executive Committee, Comité Français d'accréditation (Cofrac), President, National Committee for the selection of Reference Laboratories, Ministry of Health

Speakers:

Professor Damien Gruson – Head of the department of Laboratory Medicine of the Cliniques Universitaires Saint Luc – Brussels, Belgium

Sustainable Laboratory Medicine: Myth or reality?

Jordi Trafí-Prats – Senior Director EMEA Marketing at Ortho Clinical Diagnostics

Sustainable Laboratory Medicine: we all have a role to play.

Learning objectives:

In the coming years, the impact of sustainability will be increasingly felt in healthcare. From the implications of legislation to the growing number of environmentally conscious investors, this is a topic which is set to shape the future direction of hospitals, labs and blood banks.
Professor Damien Gruson as a member of the Division on Emerging Technologies of IFCC, is sharing his perspective and will be providing some pragmatic approaches and share experiences from the perspective of the Clinical Laboratory. Jordi Trafí-Prats will demonstrate how the industry can and should contribute to assure Laboratories are equipped with sustainable solutions.

14.00-15.00 ROOM 13a

EDUW 31 – ABBOTT

Title: Driving Healthcare Transformation Through Clinical Decision Support

Speakers:

Dr Janne Cadamuro – Department of Laboratory Medicine, University Hospital Salzburg, Paracelsus Medical University, Salzburg, Austria

How to tackle laboratory underuse using Clinical Decision Support Systems (CDSS)

Francoise Luyckx – Pharmacist biologist, Laboratory Manager and Coordinator of new projects, member of the "Artificial Intelligence" working group, Coordinator of CDS project and IT trainer, University Hospital of Liege (CHU de Liège), Belgium

Romy Gadisseur – Pharmacist biologist, Head of the Laboratory of Automated Biochemistry, Department of Clinical Chemistry, University Hospital of Liege (CHU de Liège), Belgium

CHU Liege: Impacting CKD patients by leveraging a Clinical Decision Support

Abbott Speaker

Florian Lange, Director AlinIQ & Enterprise Solutions EMEA

Transformation of healthcare through digital solutions

Learning objectives:

• Recognize the value of clinical decision support and artificial intelligence in achieving measurable better healthcare.
• Understand how the use of a clinical decision support solution enabled the University Hospital of Salzburg and in CHU Liege to address unmet needs for microcytic anaemia, diabetes and chronic kidney disease.
• Connect the dots on how to get started and drive digital transformation into better healthcare outcomes

14.00-15.00 ROOM 13b

EDUW 32 – SIEMENS HEALTHINEERS

Title: The Evolving Role of Artificial Intelligence in Laboratory Testing

Speakers:
Raj Gopalan, MD, MSIS, Head of Global Clinical Decision Support and Chief Medical Informatics Officer, Siemens Healthineers, Tarrytown, NY, USA
Perspective from data science (AI/ML)
Sarah Wheeler, Assistant Professor, PhD, FACB, CC, Associate Medical Director, Clinical Immunopathology; Medical Director, Automated Laboratory, UPMC Mercy; and Medical Director, Automated Laboratory, Children's Hospital of Pittsburgh, Pittsburgh, PA, USA
Perspective from the clinical laboratory
Learning Objectives:
• Define artificial intelligence and machine learning in the context of laboratory medicine.
• Discuss the relevance of artificial intelligence and machine learning in laboratory medicine and diagnostics.
• Understand the potential value of artificial intelligence in laboratory diagnostics.

14.00-15.00 ROOM 14a

EDUW 33 – ROCHE

Title: Diabets and the heart
Chair: Rolf Hinzmann, MD, PhD, Head of Medical Science – Roche Diabetes Care, Mannheim, Germany

Speakers:
Prof. Christophe Meune, M.D., PhD, Cardiology Department, Avicenne University Hospital, Paris, France
Early identification of Heart Failure in T2D; Intervention for improving patient outcomes
Prof.Dr. Stephan Jacob – Praxis für Prävention und Therapie, Villingen-Schwenningen, Germany
Integrated Personal Diabetes Management
Learning objectives:
For many years, clinical studies could not show that lowering glucose in patients with type 2 diabetes leads to better macrovascular outcomes. In the past few years, new data have shown that treatment with two classes of dugs developed as "glucose-lowering agents," SGLT2 inhibitors and GLP-1 receptor agonists can reduce macrovascular and renal complications. These studies have prompted debate about the main aim of type 2 diabetes management. In this scientific session eras of diabetes management are described according to the treatment recommendations, moving from a pure glucocentric view into the present cardio-renal outcome-oriented approach, this has been endorsed by major diabetes and cardiology societies. Type 2 Diabetes Patients are at high risk of developing cardiovascular disease. New evidence on the use of natriuretic peptides supports the identification of patients with high cardiovascular risk, for risk stratification and optimization of cardio protective treatment.

15.30-16.30 ROOM 13a

EDUW 35 – BD

Title: Preanalytical POCT Errors – What impact do they have?
Chair: Dr Brendan Meyer - Senior Manager, Medical Affairs Europe, Integrated Diagnostic Solutions, BD Life Sciences

Speakers:
Professor Peter Luppa, Institute for Clinical Chemistry and Pathobiochemistry, Technische Universität München, Munich, Germany
Dr Andrei Tintu, Erasmus MC, University Medical Centre Rotterdam, Rotterdam, The Netherlands
Dr Antonio Buño Soto, Pathology Department, La Paz Hospital, Madrid, Spain

Learning objectives:
• There are erroneous POCT results due to blood sample quality, which are not detected by the POCT device.
• How preanalytical errors not detected by the POCT device can impact on patient care.
• POCT preanalytical errors can impact on hospital resources and budgets

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24th International Congress of Clinical Chemistry and Laboratory Medicine

IFCC WorldLab SEOUL 2022

24th INTERNATIONAL CONGRESS OF CLINICAL CHEMISTRY AND LABORATORY MEDICINE

June 26–30, 2022
Coex, Seoul, Korea

Organizing Secretariat
MZ EVENTS

IFCC International Federation of Clinical Chemistry and Laboratory Medicine

KSCC KOREAN SOCIETY OF CLINICAL CHEMISTRY

9:00-10:00 **PLENARY LECTURE** ROOM 1

Chair: K. Adeli (Canada)

Towards next generation diagnostics by X-omics
A. Van Gool (Netherlands)

10:00-10:30 Break

Alain van Gool

is professor Personalized Healthcare and heads the Translational Metabolic Laboratory at the Radboud university medical center, with a strong passion in the application of biomarkers in translational medicine and personalized healthcare. After his study (biochemistry, 1991) and PhD (molecular biology, 1996) Alain worked at a mix of academia, pharmaceutical industries, applied research institutes, university medical centers in Europe, Asia and USA. He has been leading technology-based biomarker laboratories, cross-functional expert teams, therapeutic project teams and public-private consortia, many of which were focused on the discovery, development and implementation of translational biomarkers in a variety of therapeutic areas. His technical expertise resides most strongly in molecular profiling (various Omics approaches), analytical biomarker development and applications in translational scientific research.
Alain is a strong believer of open innovation networks and thrives to work with specialists to translate basic research to applied science. With that background, he currently also acts as Strategic Advisor to the Executive Board of Radboudumc, co-coordinates the Radboudumc Technology Centers, is Scientific Lead Technologies of DTL (the Dutch Techcenter for Life Sciences), is Chair Biomarker Platform of EATRIS (the European infrastructure for Translational Medicine), is co-initiator of Health-RI (the Netherlands Health Research Infrastructure for Personalized Medicine and Health), and Project leader and PI of the Netherlands X-omics Initiative, thus contributing to the organisation and coordination of local, national and European technology infrastructures. Complementing his daily work, he enjoys contributing to scientific advisory boards of start-up enterpreneurs, multinational companies, translational organisations, funding agencies and conference organisers.

10:30-12:30 ROOM 14a

SYMPOSIUM 19

New diagnostic approaches in Laboratory Medicine

Chairs: M. Plebani (Italy), S. Bernardini (Italy)

M. Plebani

S. Bernardini

Extracellular vesicles in clinical diagnostics
K. Witwer (USA)

K. Witwer

miRNA in clinical diagnostics – can artificial intelligence make the difference?
A. Keller (Germany)

A. Keller

Wearable biosensors
W. Gao (USA)

W. Gao

Comparison of reference values for small extracellular particles in a healthy study cohort using Nanoparticle Tracking Analysis (NTA) before and after particle isolation by different isolation methods
B. Betz (Germany)

B. Betz

Analysis of volatile organic compounds (VOCs) in the breath of colorectal cancer (CRC) subjects by Cyranose 'electronic nose
A. Bonari (Italy)

A. Bonari

10:30-12:30 ROOM 5

SYMPOSIUM 20

Autoimmune Encephalitis

Chairs: A. Vincent (UK)

A. Vincent

Overview and pathophysiology
A. Vincent (UK)

M. Gastaldi

Autoimmune encephalopathies in Neurology
M. Gastaldi (Italy)

J. Cunningham

Autoimmune encephalopathies in Psychiatry
J. Cunningham (Sweden)

10:30-12:30 ROOM 13a

SYMPOSIUM 21

Urinalysis: a new look at old tests

Chairs: J. Delanghe (Belgium), W. Hofmann (Germany)

J. Delanghe

W. Hofmann

Modern urine test strip technology
J. Delanghe (Belgium)

Automated urinalysis
G. Previtali (Italy)

G. Previtali

T. Kouri

The Revised European Urinalysis Guidelines
T. Kouri (Finland)

New approaches to the study bladder cancers using molecular genetic methods and fluorescence analysis
K. Dubayová (Slovakia)

K. Dubayová

10:30-12:30 ROOM 13b

SYMPOSIUM 22

Young Scientist Session

Chairs: S. Fares Taie (Argentina), T. Pillay (South Africa)

S. Fares Taie

T. Pillay

Motivation in the Clinical Laboratory
S. Fares Taie (Argentina)

Productivity Tools for Young Scientist Professional
I.W. Masfufa (Indonesia)

I.W. Masfufa

G. Sancesario

Career management for Young Laboratory Scientists
G. Sancesario (Italy)

Conflict Management amongst Young Laboratory Scientists
A. Rampul (South Africa)

A. Rampul

10:30-12:30 ROOM 1

SYMPOSIUM 23

How does Point of Care Testing change the clinical pathways?

Chairs: A. Khan (USA), E. Jacobs (USA)

A. Khan

E. Jacobs

Point-of-care Testing: a win-win for all players
A. Khan (USA)

Is internal (and external?) quality control necessary for POCT?
E. Jacobs (USA)

M.C. Tollanes

D. Gruson

The role of POC-testing in the clinical pathway of diagnosing SARS-CoV-2 infection
M.C. Tollanes (Norway)

Testing for Anti-Mullerian Hormone: analytical performances and usability of a Point-of-Care assay
D. Gruson (Belgium)

Hemolysis detection with the H-10 Hemcheck device in whole blood and plasma STAT samples
A. Garcia Osuna (Spain)

A. Garcia Osuna

10:30-12:30 ROOM 14c

DGKL SYMPOSIUM

Emerging infectious diseases – impact of laboratory diagnosis
Chair: M. Klouche (Germany)

M. Klouche

Infectious disease surveillance – implications of diagnostic screening strategies
R. Dürrwald (Germany)

High-throughput LAMP-sequencing for diagnosis of infectious diseases
J. Schmid-Burgk (Germany)

Setting up external quality control measures for SARS-CoV-2 during pandemics
V. Haselmann (Germany)

J. Schmid-Burgk

V. Haselmann

12:30-13:30 ROOM 1

CLOSING CEREMONY

Closing remarks
Euromedlab Munich 2021 President, K. Lackner
Euromedlab Munich 2021 Chair, M. Neumaier
IFCC President, K. Adeli
EFLM President, T. Ozben

Presentation of 3rd EFLM Strategic Conference
T. Ozben, Chair of the Conference

Presentation of WorldLab-Euromedlab Roma 2023
S. Bernardini, President of the Congress

Farewell Italian Cocktail

21-25 May

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25TH EUROPEAN CONGRESS OF CLINICAL CHEMISTRY AND LABORATORY MEDICINE

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CLOSED MEETINGS

SATURDAY, 9 APRIL 2022

09:00-17:00	IFCC SD-EC – Chair: P. Gillery	Room Wörthsee - Mezzanine
09:00-17:00	IFCC CPD-EC - Chair: T. Pillay	Room Pilsensee - Mezzanine

SUNDAY, 10 APRIL 2022

08:30-12:00	IFCC CPD-EC - Chair: T. Pillay	Room Pilsensee - Mezzanine
09:00-12:00	EFLM Executive Board – Chair: T. Ozben	Room Watzmann – 2nd floor
09:00-12:00	IFCC SD-EC – Chair: P. Gillery	Room Wörthsee – Mezzanine
09:00-16:00	IFCC TF- GRID – Chair: J. Zierk	Room Staffelsee – Mezzanine
09:30-13:00	IFCC C-RIDL – Chair: T. Streichert	Room Jochberg – 2nd floor
12:30-17:30	EFLM WG-PFLM – Chair: S. Jovicic	Room Watzmann – 2nd floor
13:00-16:00	IFCC Council	Room Ostersee a+b+c – 2nd floor
14:00-16:00	EFLM WG-CM – Chair: P. Laitinen	Room Zugspitze – 2nd floor

MONDAY, 11 APRIL 2022

08:30-13:00	IFCC C-PR - Chair: R. Erasmus	Room Staffelsee – Mezzanine
08:30-13:00	IFCC eJIFCC - Chair: J. Kappelmaier	Room Kochelsee – 2nd floor
09:00-11:00	IFCC TF-CM – Chair: T. Ravalico	Room Königssee – 2nd floor
09:00-17:00	IFCC ETD-EC – Chair: S. Bernardini	Room Ostersee a – 2nd floor
09:00-17:00	IFCC WG-CDT – Chair: J. Deenmamode	Room Hirschberg – 2nd floor
09:00-13:00	IFCC W-ID - Chair: C. Seger	Room Pilsensee – Mezzanine
11:30-13:30	IFCC Corporate Members – Chair: J. Passarelli	Room Königssee – 2nd floor
12:30-14:00	EFLM WG-DE - Chair: D. Cerne	Room Zugspitze – 2nd floor
12:30-15:00	IFCC PAPP A - Chair: H. Lennart-Friist	Room Jochberg – 2nd floor
12:30-14:30	Open meeting together with the German, EFLM and IFCC YS group	Room Ostersee b+c – 2nd floor
12:45-14:30	EFLM General Meeting - Chair: T. Ozben	Room 5 - Ground floor
13:30-17:00	IFCC C-EBLM – Chair: A. Zemlin	Room Eibsee – 2nd floor
14:00-18:00	IFCC EMD EC - Chair N. Rifai	Room Kochelsee – 2nd floor
15:00-17:30	EFLM C-P + WG-R - Chair: E. Homsak/I. Rako	Room Königssee – 2nd floor

TUESDAY, 12 APRIL 2022

08:30-13:00	IFCC ETD-EC - Chair: S. Bernardini	Room Ostersee a – 2nd floor
09:00-11:00	IFCC WG-CGM – Chair: G. Freckman	Room Eibsee – 2nd floor
09:00-13:00	IFCC TF-YS - Chairs: S. Fares Taie - G. Sancesario	Room Pilsensee – Mezzanine
09:00-13:30	IFCC C-EUBD – Chair: E. English	Room Staffelsee – Mezzanine
12:30-14:30	EFLM C-C – Chair: D. Rajdl	Room Zugspitze – 2nd fllor
12:30-14:00	IFCC Lab Week - Chairs: K. Adeli, R. Erasmus	Room Wörthsee – Mezzanine
14:00-17:00	IFCC WG-SCST - Chair: A. South	Room Pilsensee – Mezzanine
14:00-17:30	IFCC C-BM - Chair: E. Cavalier	Room Eibsee – 2nd floor
14:00-17:00	EFLM WG-CPE – Chair: E. Sozmen	Room Watzmann – 2nd floor
15:00-17:30	EFLM TFG-PMU - Chair: A. Coskun	Room Zugspitze – 2nd fllor

WEDNESDAY, 13 APRIL 2022

09:00-17:00	IFCC EB – Chair: K. Adeli	Room Pilsensee – Mezzanine
12:30-13:30	EFLM C-S - Chair: M. Langlois	Room Zugspitze – 2nd floor
14:00-18:00	IFCC WG-PCT – Chair: V. Delatour	Room Wörthsee – Mezzanine

THURSDAY, 14 APRIL 2022

09:00-12:30	IFCC WG-APO – Chair: C. Cobbaert	Room Königssee – 2nd floor
09:00-17:00	IFCC EB – Chair: K. Adeli	Room Pilsensee – Mezzanine
13:30-17:00	EFLM WG-TE – Chair: C. Cobbaert	Room Königssee – 2nd floor

SPEAKERS & CHAIRS

Aarsand Aasne K.	Norwegian Porphyria Centre, Department of Medical Biochemistry and Pharmacology, Haukeland University Hospital, Norway
Adeli Khosrow	IFCC President, Pediatric Laboratory Medicine, The Hospital for Sick Children, University of Toronto, Toronto, Canada
Alberio Lorenzo	Department of Hematology, Centre Hospitalier Universitaire Vaudois, Lausanne, Switzerland
Alcantara Flavio	University of San Paulo, Brazil
Andresen-Streichert	Hilke Institute for Legal Medicine Department of Toxicology, University Hospital Cologne, Germany
Badrick Tony	Royal College of Pathologists of Australasia Quality Assurance Programs, Sydney
Bakchoul Tamam	Institute for Clinical and Experimental Transfusion Medicine (IKET), University Hospital Tuebingen, Germany
Benton Sally	Berkshire and Surrey Pathology Services, Royal Surrey County Hospital, Guildford, UK
Bernardini Sergio	University of Tor Vergata, Dept. of Experimental Medicine, Rome, Italy
Betz Boris	Department of Clinical Chemistry and Laboratory Diagnostics, Jena University Hospital, Germany
Bietenbeck Andreas	Institut für Laboratoriumsmedizin, Medizinische Mikrobiologie und Technische Hygiene, München Klinik, Germany
Bisazza Oliver	Director General, Industrial Policies, MedTech Europe
Blankenberg Stefan	University Hospital Hamburg-Eppendorf, University Heart & Vascular Center Hamburg, Clinic for Cardiology, Germany
Bohn Mary Kathryn	The Hospital for Sick Children, Toronto, Canada
Bonari Alessandro	Clinical Biochemistry Scientist, General Laboratory of Careggi University Hospital, Italy
Borchers Christoph	Director, Department of Oncology, McGill University, Segal Cancer Proteomics Centre
Brouwer Nannette	Diagnost-IQ, Laboratory for Clinical Chemistry and Hematology, Hoorn, The Netherlands
Buchta Christoph	ÖQUASTA, EQALM, Vienna, Austria
Cadamuro Janne	University Hospital Salzburg, Paracelsus Medical University Department of Laboratory Medicine, Salzburg, Austria
Cappabianca Salvatore	L. Vanvitelli, Campania University, Italy
Cavalier Etienne	Department of Clinical Biology, University Hospital of Liege, Belgium
Ceglarek Uta	University Hospital Leipzig, Germany
Chavakis Triantafyllos	Institut für Klinische Chemie und Laboratoriumsmedizin, Universitätsklinikum Carl Gustav Carus an der Technischen Universität Dresden, Germany
Christenson Robert	Unviersity of Maryland School of Medicine, Department of Pathology, University of Maryland Medical Center, Labs of Pathology, Baltimore, USA
Cobbaert Christa	Afdeling Klinische Chemie en Laboratoriumgeneeskunde | LUMC, Leiden, The Netherlands
Collinson Paul	St George's NHS University Hospitals NHS Foundation Trust and St George's University of London, UK
Constantinescu Stefan N	Ludwig Institute for Cancer Research Brussels and Oxford and de Duve Institute, Université catholique de Louvain, Belgium
Coriu Daniel	Center of Hematology and Bone Marrow Transplant, Fundeni Clinical Institute, University of Medicine and Pharmacy "Carol Davila", Bucharest, Romania
Coskun Abdurrahman	Acıbadem Mehmet Ali Aydınlar University, Istanbul, Turkey
Cowie Martin	European Society of Cardiology Digital Health Committee, London, UK
Cunningham Janet	Dept of Medical Sciences, Psychiatry, Uppsala University, Uppsala Sweden / Dept Neurosciences, Karolinska Institute, Stockholm Sweden
Delanghe Joris	Ghent University, Belgium
Delatour Vincent	LNE, Paris, France
Deybach Jean-Charles	French Reference Center for Porphyrias University Paris European Porphyria Netwok, Paris, France
Dubayová Katarína	Pavol Josef Safarik University in Kosice, Medical Faculty, Slovakia
Dürrwald Ralf	Robert Koch Institute, Department of Infectious Diseases, Berlin, Germany
Duschl Wolfgang	Christiana Albertina University, Astrophysics Kiel, Germany
Fares Taie Santiago	IFCC TF-YS
Forni Lui	Department of Clinical & Experimental Medicine, School of Biosciences & Medicine, University of Surrey, UK
Freckmann Guido	Institut für Diabetes-Technologie, Forschungs- und Entwicklungsgesellschaft mbH an der Universität Ulm, Germany
Frölich Matthias F	Department of Radiology and Nuclear Medicine, University Medical Centre Mannheim
Fuchsjäger Michael	Department of Radiology, Medical University Graz, Austria
Galván Raquel	Laboratory Medicine Department, Virgen Macarena University Hospital, Seville, Spain
Gao Wei	California Institute of Technology, Pasadena, USA
Garcia Osuna Alvaro	Department of Clinical Biochemistry, Hospital de la Santa Creu i Sant Pau, Barcelona, Spain
Gastaldi Matteo	Neuroimmunology laboratory, IRCCS Mondino Foundation
Gerhards Catharina	Institute for Clinical Chemistry, Medical Faculty Mannheim of the University of Heidelberg, Theodor Kutzer Ufer 1-3, 68167 Mannheim, Germany
Gillery Philippe	University Hospital of Reims, France
Gouget Bernard	IFCC-COFRAC-Ministry of Health
Grieve Grahame	HL7 FHIR Product Director, Melbourne, Australia

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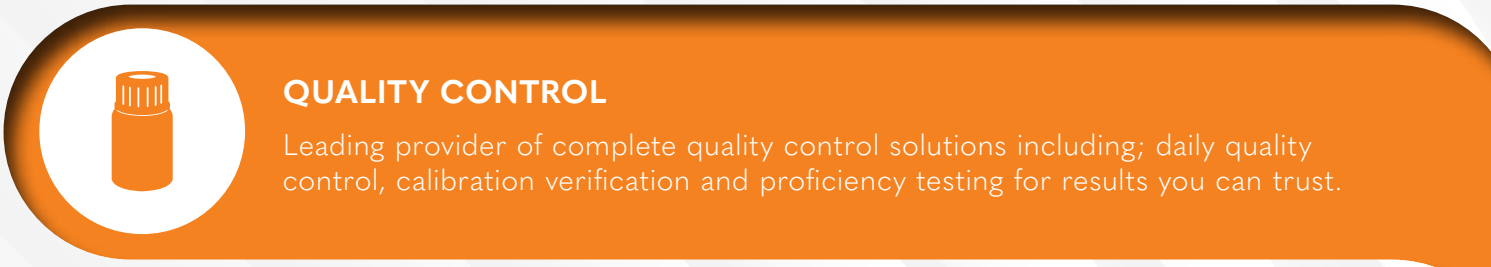

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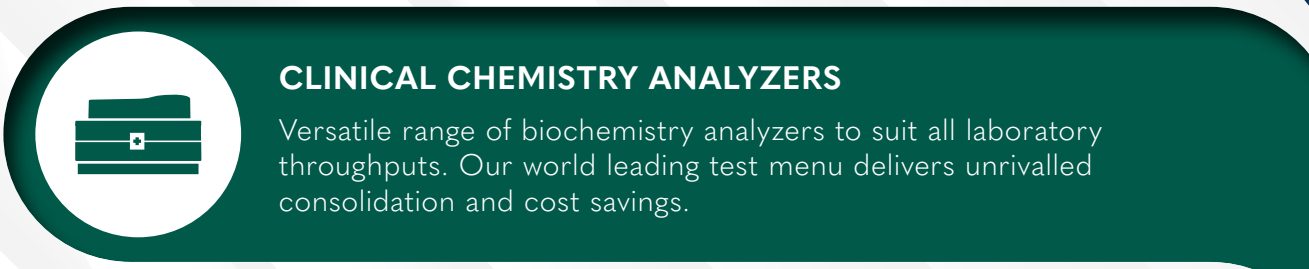

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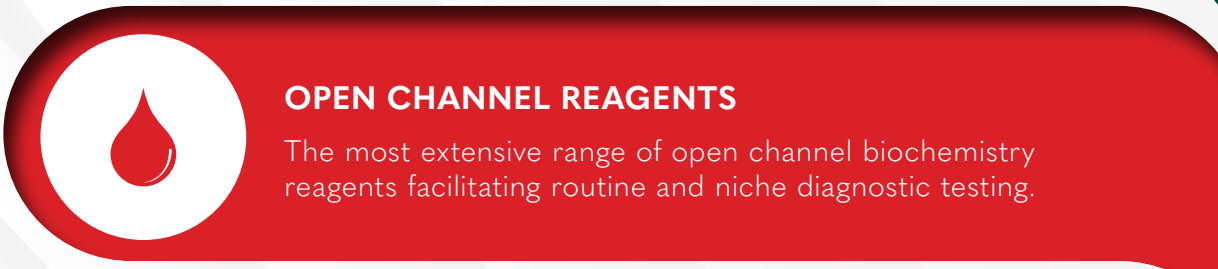
Versatile range of biochemistry analyzers to suit all laboratory throughputs. Our world leading test menu delivers unrivalled consolidation and cost savings.



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CONGRESS VENUE

ICM Internationales Congress Center München

MESSE MÜNCHEN GMBH
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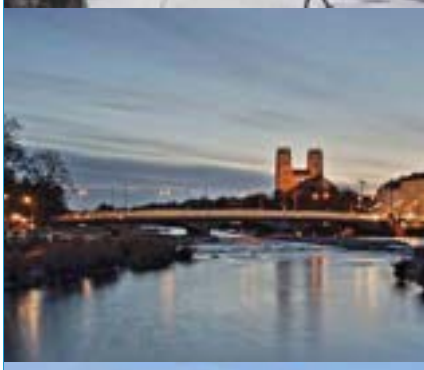
An attractive venue

Munich is situated in the middle of Europe and a convenient destination for guests from home and abroad.

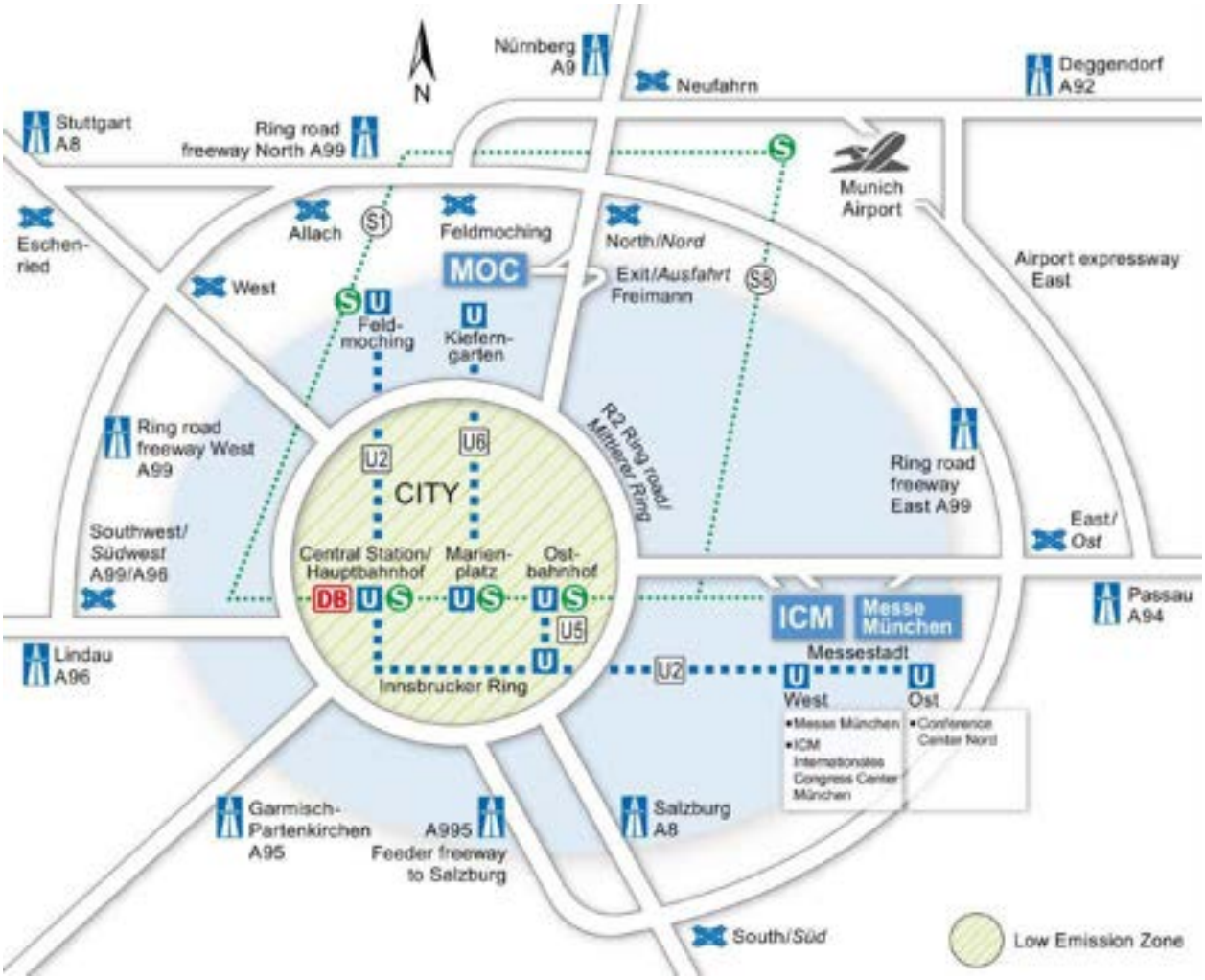
The attractive location on the Isar River, the proximity of the Bavarian Alps and the high quality of life make Munich a popular trade show and convention destination.



The ICM – Internationales Congress Center München is ideally located to offer participants a variety of culinary and cultural highlights in the Bavarian capital.

Excellent hotels and accommodations close to the event venue make guests' stay at the Munich convention destination perfect

HOW TO REACH THE CONGRESS VENUE



By car

Motorway A94 (München-Passau), exit “Feldkirchen”
Depending on your navigation system, you will find the Messe München either in the category “exhibition centre”, “trade fair centre” or under the German keyword “Messe”.

There is a parking closed to the congress centre
“Multi storey Parking Garage West”
Paul-Henri-Spaak-Str. 6 - 81829 Munich

Costs: 15,00 per day

By plane

From the airport, you can reach ICM comfortably by taxi or by public transport.
In this case, please take the suburban train line S8 (S-Bahn) to the stop “Ostbahnhof“. Then transfer to the underground line U5 (U-Bahn) direction “Neuperlach Süd” and get off at the station “Innsbrucker Ring”. Finally, transfer to the underground line U2 (U-Bahn) and stop at the station “Messestadt Ost“.

By train
public transport

From Munich’s Central Station (Hauptbahnhof), you will easily reach the ICM with the underground line U2 (U-Bahn). Please stop at the station “Messestadt Ost“.

GENERAL INFORMATION

Registration Desk

The registration desk for the congress, located at the entrance of the Congress Center, Level 0, is open as follows:

10 April	11:00 - 19:00
11 April	08:00 - 18:00
12 April	08:00 - 18:00
13 April	08:00 - 18:00
14 April	08:30 - 14:00

Official Language

The official language of the congress is English. No simultaneous translation is provided.

Name Badge

All participants will receive a name badge when they check-in at the registration desk. The badge must be worn at all times because only registered participants will be admitted to the scientific sessions. It must also be worn at the social events organised as part of the congress.

Munich Travel Card

A Munich public transportation pass, within the zone M (= complete Munich city area including Munich trade fair/ICM), is printed on the congress badge of all properly registered delegates.
The pass entitles to an unlimited number of journeys with the MVV (S-/U-Bahn, tram and bus) for the duration of the congress, from 10 to 14 April 2022.

Congress Kit

The congress kit can be collected at the Bag Delivery Desk at Level 1, upon presentation of the congress-kit ticket provided with your badge.

Cloakroom

Cloakroom is available at Level Mezzanine of the congress venue. Delegates' belongings (such as coats, bags, posters, etc.) can be left ONLY on a daily basis and ONLY during the congress's hours. In the end of each day, all left items will be given to security.

Business Centre

A business centre is available at Level 0 from Monday 11 April to Thursday 14 April, from 08:00 to 17:00.

AV Centre

The AV centre is located in Room 2, on Level 0. Speakers are kindly requested to bring their presentation to the audiovisual centre on a USB drive at least two hours before the presentation is scheduled.
Personal laptops cannot be connected to the system.

Certificate of Attendance

All properly registered attendees will receive a certificate of attendance via e-mail, the week after the congress.

Wireless Connection

Euromedlab Munich 2021 is offering free WiFi for delegates in all Congress Center.
Network: euromedlab2021

Posters

Posters are displayed inside the **Exhibition Area, Hall C1**, of the Congress Centre.
Posters are arranged by topic and displayed on three different days:

Monday, 11 April	Tuesday, 12 April	Wednesday, 13 April
10:00-17:30	10:00-17:30	10:00-17:30

Posters are numbered and must be on display on the day that the Organising Secretariat assigned the authors, according to the following schedule only:

set-up 09:30-10:00	removal 17:30-18:00

Posters differ by topic every day and the Organising Secretariat declines any responsibility for posters left on display afterwards.

In order to encourage discussions about posters, the poster Presenter must be at the assigned poster panel from 13:00 to 14:00.

Abstract Publication

All abstracts are published in a special on-line issue of Clinical Chemistry and Laboratory Medicine (CCLM).

Industry Exhibition

The exhibit of diagnostics companies make up a very important part of the congress. All major international and German clinical-biochemistry and laboratory-medicine companies are represented.

Participants are encouraged to visit the large industry exhibition, which is located in Hall C1 and open as follows:

Monday, 11 April	Tuesday, 12 April	Wednesday, 13 April
10:00-17:30	10:00-17:30	10:00-17:30

Access to the exhibition area is free of charge and does not require congress registration. However, for security reasons, anyone wishing to visit the exhibition without registering for the congress must report to the Visitors Desk at the entrance of the Congress Centre, Level 0.

For those who cannot participate, we have designed a brand-new format of interacting with the companies during this conference: the “Exhibition Floor Walks“. The links for the Zoom Connection are availble on the congress website.

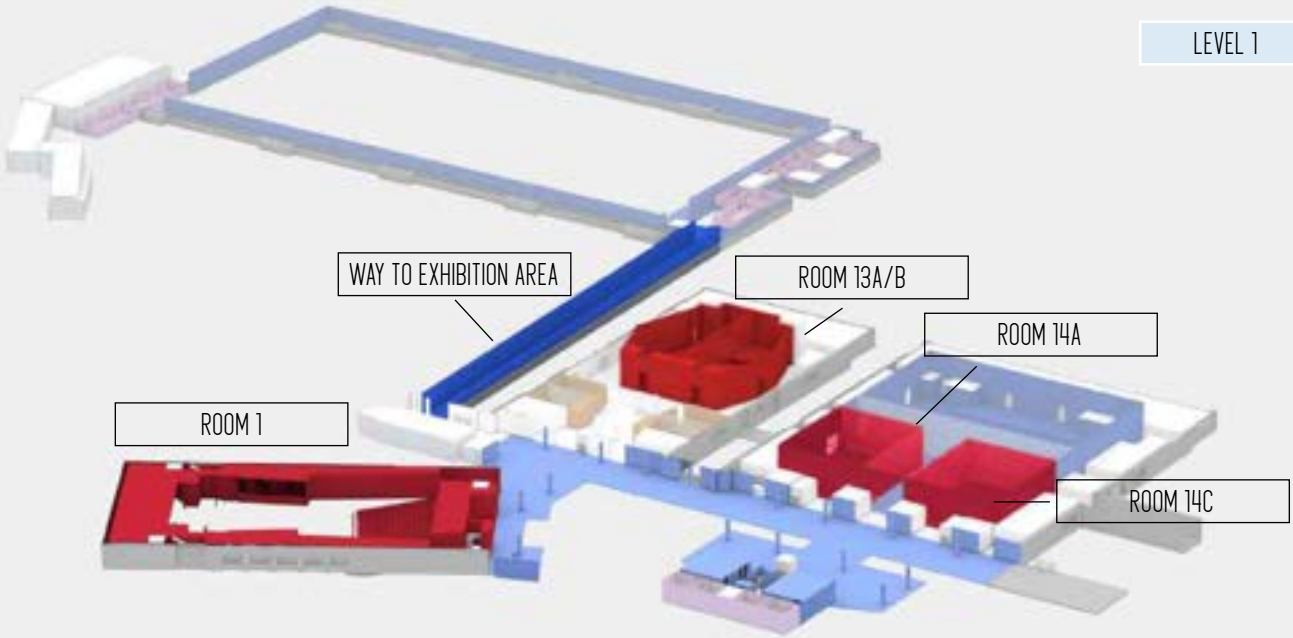
Coffee Points

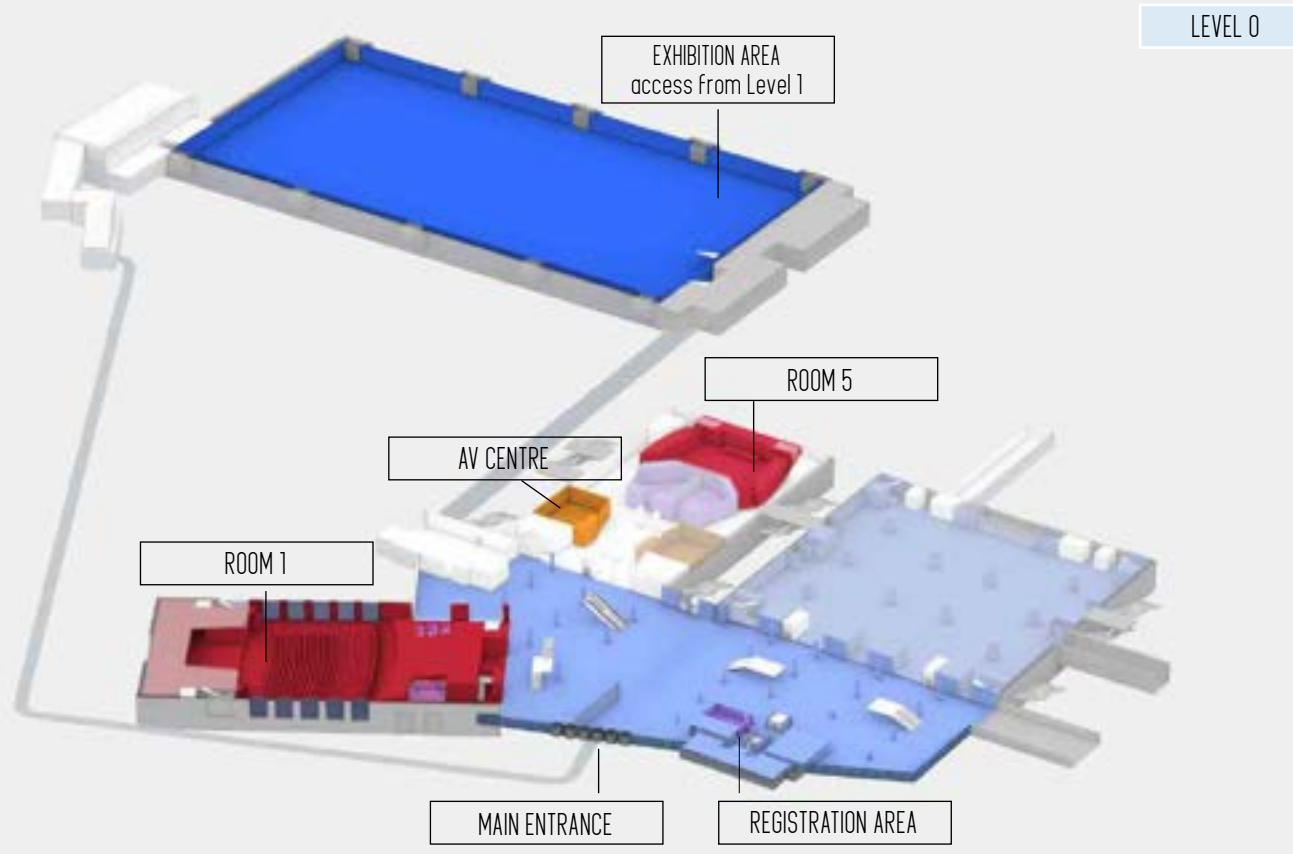
During intermission in the morning, inside the exhibition area, self-service coffee points offer coffee and tea free of charge for all properly registered delegates.

Bar/Restaurant

A cash bas will be operating during the congress. It is located in the exhibition area, open on Monday, Tuesday and Wednesday from 10:00 to 17:30.

CONGRESS CENTER MAP





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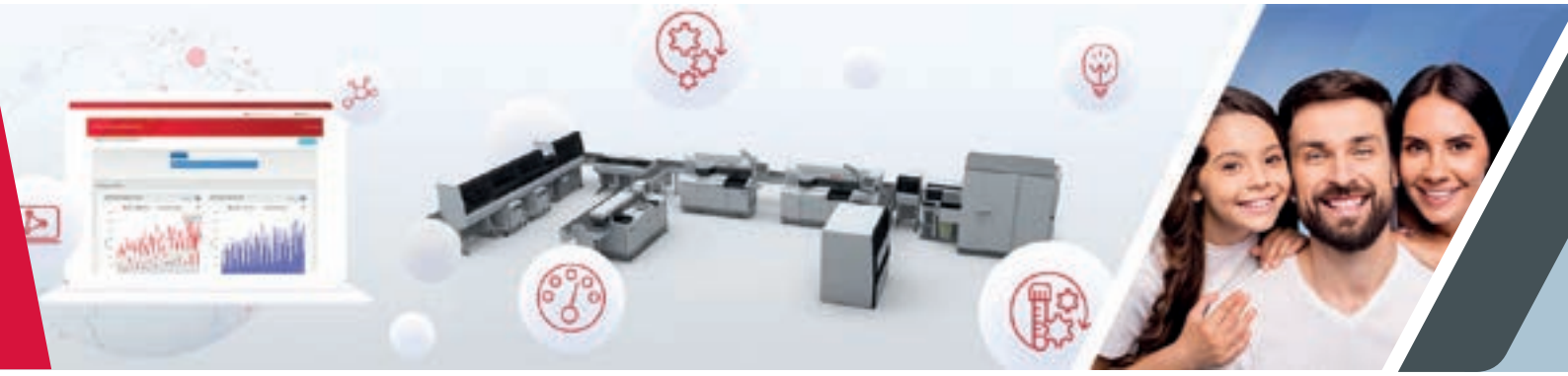

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Ortho's Educational Workshops

EDUW 15 – ROOM 1 - Tuesday, April 12, 14:00-15:00 CET

Chimeric Antigen Receptor (CAR)-T cell therapy: research findings, clinical applications, and markers to control cytokine release syndrome - How can laboratory tests contribute to a favorable patient outcome? Which biomarkers are currently of interest to assess cytokine release syndrome and neurotoxicity associated with CAR-T cell therapy?

Chairman /Scientific coordinator:

- Els Melis - Senior Manager EMEA Clinical Labs Assays - Ortho Clinical Diagnostics

Speakers:

- Prof. Álvaro Urbano Ispizua - Director of the Institute of Hematology and Oncology - Hospital Clínic Barcelona and Full Professor of Medicine at the University of Barcelona.
- Cecilia Scarponi - EMEA Clinical Liaison - Ortho Clinical Diagnostics

EDUW 29 – ROOM 1 - Wednesday, April 13, 14:00-15:00 CET

Sustainable Laboratory Medicine: Prepare for the future now! In the coming years, the impact of sustainability will be increasingly felt in healthcare. Evolution of regulation will impose changes on technology used and in environmental mitigation costs. Altogether, sustainability is set to shape the future direction of hospitals and laboratories.

Chairman /Scientific coordinator:

Dr. Bernard Gouget, Ph.D - ex-Assistant Professor at the University Hospital in Paris Descartes. President-Healthcare Division Executive Committee, Comité Français d'accréditation (Cofrac) President, National Committee for the selection of Reference Laboratories, Ministry of Health

Speakers:

- Prof. Damien Gruson - Head of the department of Laboratory Medicine of the Cliniques Universitaires Saint Luc – Brussels, Belgium
- Jordi Trafí-Prats - Senior Director EMEA Marketing - Ortho Clinical Diagnostics

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REGISTRATION

Full registration and young registration fees include:

- entrance to plenary lectures, symposia, educational workshops, poster area and exhibition
- a free app containing the Scientific Programme with the Abstracts and the slides of the presentations, and the Abstracts of the posters
- certificate of attendance
- Munich travel card
- coffee and tea service during morning intermissions
- Opening Ceremony (Sunday, 10 April 2022)
- Closing Ceremony (Thursday, 14 April 2022)

The day registration fee includes, for the day of registration only:

- entrance to plenary lectures, symposia, educational workshops, poster area and exhibition
- a free app containing the Scientific Programme with the Abstracts and the slides of the presentations, and the Abstracts of the posters
- certificate of attendance
- coffee and tea service during morning intermissions

On-site Registration Fees

(vat included)

FULL REGISTRATION	€900
YOUNG REGISTRATION	€480
DAY REGISTRATION	€420

Delegates can pay registration fees in euros only; cash or credit card (American Express, MasterCard, Visa) accepted.

Liability and insurance

Registration fees do not include the insurance of participants against personal accidents, sickness and cancellations by any party, theft, loss or damage to personal possessions.

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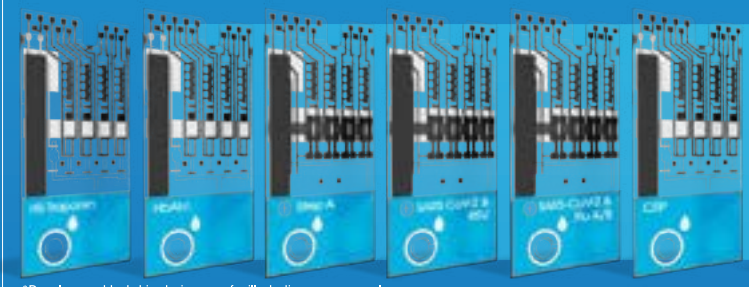
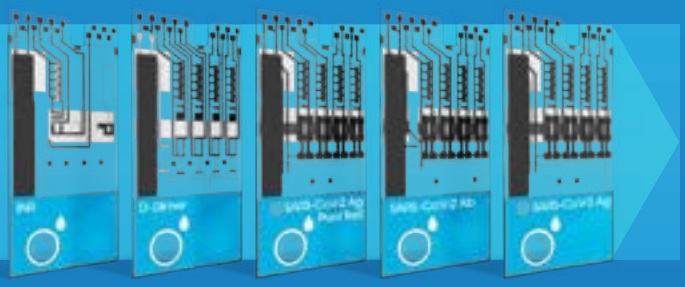


*Development test strip designs are for illustrative purposes only.

HS Troponin | HbA1c | Strep A | SARS-CoV-2 & RSV | SARS-CoV-2 & Flu A/B | CRP

CE marked



INR | D-Dimer | SARS-CoV-2

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SIEMENS HEALTHINEERS

Siemens Healthineers AG (listed in Frankfurt, Germany: SHL) is shaping the future of healthcare. As a leading medical technology company headquartered in Erlangen, Germany, Siemens Healthineers enables healthcare providers worldwide through its regional companies to increase value by empowering them on their journey towards expanding precision medicine, transforming care delivery, improving the patient experience, and digitalizing healthcare. Siemens Healthineers is continuously developing its product and service portfolio, with AI-supported applications and digital offerings that play an increasingly important role in the next generation of medical technology. These new applications will enhance the company's foundation in in-vitro diagnostics, image-guided therapy, in-vivo diagnostics, and innovative cancer care. Siemens Healthineers also provides a range of services and solutions to enhance healthcare providers' ability to provide high-quality, efficient care to patients. In fiscal 2020, which ended on September 30, 2020, Siemens Healthineers generated revenue of €14.5 billion and adjusted EBIT of €2.2 billion. Following the acquisition of Varian Medical Systems, Inc. the company has approximately 66,000 employees worldwide. Further information is available at www.siemens-healthineers.com.

GOLD SPONSORS

RANDOX

Randox is committed to improving health worldwide with the firm belief that the healthcare of tomorrow depends on innovations developed today. Our passion for innovation, creativity and investment in R&D enables us to continually develop our products and evolve for the future. As a world leader in the in-vitro diagnostics industry, Randox is committed to developing revolutionary diagnostic products designed to improve health globally including chemistry, immunoassay, molecular & POC analysers in addition to high quality reagents. Leading provider of complete quality control solutions including; daily quality control, calibration verification and proficiency testing for results you can trust. Biochip Array Technology is a unique multiplexing method offering clinical, research and molecular panels. We also offer a range of COVID-19 testing solutions for all testing needs. Randox is leading the change in moving from a one-size-fits-all approach towards decisions and products tailored to the needs of the individual.

SNIBE

Shenzhen New Industries Biomedical Engineering Co., Ltd (briefed as Snibe) is a leading global in-vitro diagnostic biomedical company. Snibe has focused on the Chemiluminescent immunoassay (CLIA) field for more than 26 years. We are providing customized diagnostic solutions to laboratories in more than 146 countries and regions. Over 18000 units of Snibe's products have been installed in hospitals and labs worldwide, including global chain labs like Synlab, Eurofins, Cerba, Synevo, etc.
Snibe established 4 core R&D centers, including reagent, instrument, magnetic microbead, and reagent raw material to lay a solid foundation for developing the broadest range of CLIA analyzers and test menu. We successfully developed the fastest CLIA analyzer in the world - MAGLUMI X8 with the throughput of 600T/H in 2018. In order to meet the demand of mega-laboratories, Snibe announced a strategic partnership with Thermofisher and Hitachi to launch the Total Laboratory Automation solution in 2019. Moreover, to help the fight against COVID-19, Snibe successfully developed the 2019-nCoV (SARS-CoV-2) CLIA Kits in 2020, the first of its kind in the world to received CE mark.
Our Mission is "Creating value for human health through continuous innovation".

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SYSMEX

Sysmex supports healthcare professionals around the world in lighting the way with diagnostics by providing a broad range of medical diagnostics products and solutions. In the fields of haematology, urinalysis, haemostasis, life science, flow cytometry, essential healthcare and now immunochemistry, we combine highly dependable, multi-functional and easy-to-operate instruments, a variety of reagents and software, plus reliable service and support.
Sysmex Europe GmbH, located near Hamburg, Germany, is a subsidiary of the Sysmex Corporation from Kobe, Japan. From our Hamburg offices, we serve our affiliates, distributors and customers throughout Europe, the Middle East, and Africa (EMEA).
For more information, visit www.sysmex-europe.com.

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SILVER SPONSORS

MINDRAY

At Mindray we believe each test you do is important, because each patient is important. As the majority of healthcare decisions are based on laboratory tests, it's more critical than ever that you are able to trust your results.
Mindray empowers this trust through technology, innovation, and our commitment to the advancement of in-vitro diagnostics science. Mindray has developed reliable and robust solutions to empower trust, delivering accurate results while meeting increasing demands on efficiency in laboratories worldwide.

ORTHO CLINICAL DIAGNOSTICS

Ortho Clinical Diagnostics (Nasdaq: OCDX) is a leading global provider of in vitro diagnostics. We have an established track record for providing high-quality products and services to the global clinical laboratory and immunohematology communities.
We provide hospitals, hospital networks, clinical laboratories and blood banks around the world with innovative technology and tools to ensure test results are fast, accurate and reliable. Our customized solutions enhance clinical outcomes, improve efficiency, overcome lab staffing challenges and reduce costs. Because Every Test Is A Life.™
Website: In Vitro Diagnostics Solutions | Ortho Clinical Diagnostics
Contact: Sandra Ferreira - sandra.ferreira@orthoclinicaldiagnostics.com

SEBIA

Our mission is to provide powerful tools that translate what is happening in a patients' body into a readable and interpretable language.
We call it our new language of life. It makes it easier to understand, diagnose and treat chronic and metabolic diseases. Cancer, obesity, aging and depression share a common biology: they are metabolic and inflammatory. Those pathological imbalances lead to protein modification which require special separation techniques to give us a better understanding. Capillary Electrophoresis (CE) is the most accurate and efficient method of separation to unlock these complex conditions.
Sebia is the world's leading provider of clinical protein electrophoresis equipment and reagents for the screening and monitoring of various diseases, primarily in the areas of Oncology (Multiple Myeloma), Diabetes, Hemoglobinopathy and other rare pathologies.
The company is headquartered in France and is present in more than 120 countries.

Address
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www.sebia.com

THE BINDING SITE

Binding Site provides specialist diagnostic products to clinicians & laboratory professionals worldwide. Delivering innovative medical solutions that improve the diagnosis and management of blood cancers & immune system disorders. We are committed to improving patient lives worldwide through education, collaboration, and innovation. Visit us on stand 18 and see how we can help you to maximise your protein service.
Discover our dedicated special protein system Optilite®, the latest innovation in special protein analysis, delivering, fast, high-quality, and reliable results at an impressive throughput.
Learn how Myeloma patients benefit from Freelite® assays, Freelite® is the ONLY serum free light chain test recommended by International and national guidelines with more than 20 years of clinical evidence.

Address
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BRONZE SPONSORS

BD

BD is one of the largest global medical technology companies in the world and is advancing the world of health by improving medical discovery, diagnostics and the delivery of care.
The company develops innovative technology, services and solutions that help advance both clinical therapy for patients and clinical process for health care providers.
BD and its 65,000 employees have a passion and commitment to help improve patient outcomes, improve the safety and efficiency of clinicians' care delivery process, enable laboratory scientists to better diagnose disease and advance researchers' capabilities to develop the next generation of diagnostics and therapeutics. BD has a presence in virtually every country and partners with organizations around the world to address some of the most challenging global health issues.
BD helps customers enhance outcomes, lower costs, increase efficiencies, improve safety and expand access to health care. www.bd.com

DIASORIN

World leaders in the lab diagnostics market, we are specialists in the immunodiagnostics and molecular diagnostics segments and active in the Licensed Technology sector.
The Company has been developing, producing and marketing reagent kits for laboratory diagnostics all over the world, for over 50 years. The extensive diagnostic testing and Life Science offer, positions DiaSorin as the player with the broadest range of specialty tests available within the diagnostic market, and identifies the Group as the "Diagnostic Specialist". Our tests enable delivery of reliable - early diagnosis of various pathologies for millions of people who will then be able to receive the most appropriate therapy.
Our Licensed Technology sector offers technological solutions based on the platforms and reagents required by academic, pharmaceutical and industrial diagnostics research for the development and production of health goods. www.diasoringroup.com
www.diasorin.com - www.molecular.diasorin.com - www.luminexcorp.com

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Cypress, CA 90630

ELITECHGROUP

ELITechGroup, founded in 1997, is a privately held group of worldwide manufacturers and distributors of in-vitro diagnostic equipment and reagents. By bringing together IVD specialty companies that offer innovative products and solutions,
ELITechGroup has become a major contributor to advancing clinical diagnostics across a range of laboratory disciplines: clinical chemistry, microbiology, hematology and molecular diagnostics. ELITechGroup Clinical Systems sets the standard in benchtop Clinical Chemistry with fully integrated, state of the art clinical chemistry systems and superior test menu of liquid-stable, ready-to-use reagents. ELITechGroup Molecular Diagnostics provides innovative molecular diagnostics solutions for a wide range of diseases including a leading proprietary MGB Probe technology.
EITechGroup Biomedical Systems specializes in comprehensive range of slide stainers and osmometers recognized worldwide for proven performance and reliability. ELITechGroup Microbiology provides diagnostic kits for the identification, enumeration and susceptibility testing of infectious diseases.

HORIBA MEDICAL

HORIBA Medical provides an extensive and comprehensive line of hematology, hemostasis, clinical chemistry and automation solutions (including analyzers, reagents and consumables) for use in in vitro diagnostics. Proven quality and trustworthy performance have established widespread confidence in the HORIBA Medical brand. Today, more than 30,000 laboratories are using HORIBA Medical's devices around the world.
This year, we will specially showcase our automation high-end HELO* Solution (HORIBA Evolutive Laboratory Organisation) as well as our Yumizen range of hemostasis analyzers for small to large size laboratories and a COVID-19 corner.
Come and visit us at HORIBA Medical booth #28 during EuroMedLab. Join us on our social media (linkedin, facebook and twitter) to share and "like" our latest news!

STAGO

With a staff close to 2,500 and the most advanced technologies, Stago formulates, manufactures and markets worldwide, the broadest range of reagents and analytical instruments in hemostasis. Stago devotes its research and innovative skills to the development of increasingly effective medical diagnostic products and instrumentation.
Because we are committed to a better understanding of hemostasis and thrombosis, Stago's creativity, supported by a team of specialized researchers, results in a range of reagents and instruments which just keeps getting better. This involves constant leading-edge research as well as the improvement of existing kits.
Thanks to a wide international network of distributors and affiliates, Stago is represented in more than 110 countries. Without exception, each distributor is chosen according to strict criteria regarding the performance of its team, its capabilities in after-sales services, and its commitment to knowing and promoting the Stago line.

THERMO FISHER SCIENTIFIC

Thermo Fisher Scientific is the world leader in serving science. Our mission is to enable our customers to make the world healthier, cleaner, and safer. Through our Thermo Scientific™, Applied Biosystems™, Invitrogen™, Fisher Scientific™, and Ion Torrent™ brands, we help customers accelerate innovation and enhance productivity.
Collaborate with our team to discover more ways to solve your toughest challenges. Our teams bring together key focus areas to help you, our heroes, with your daily lab work or research projects. Learn more about the applications, tools and technologies spanning from diagnostics development, a therapeutic drug monitoring and drug screening, and the latest mass spectrometry equipment. See our broad range of laboratory equipment and supplies for every size lab.

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Contact
www.thermofisher.com
Visit us at Booth # 247

Twitter: https://twitter.com/thermofisher
Facebook: https://www.facebook.com/thermofisher
Linkedin: https://www.linkedin.com/company/thermo-fisher-scientific/

WERFEN

Werfen is a growing, family-owned, innovative company founded in 1966 in Barcelona, Spain. We are a worldwide leader in specialized diagnostics in the areas of Hemostasis, Acute Care Diagnostics and Autoimmunity. Through our Original Equipment Manufacturing (OEM) business line, we research, develop and manufacture customized assays and biomaterials.
Our mission is to improve the quality of laboratory medicine worldwide.
At present, we operate directly in nearly 30 countries and in more than 100 territories through distributors. Our headquarters and technology centers are located in Europe and the United States. In 2021, our revenues were € 1.854 billion and our workforce is 5,794 strong.

Address:
Werfen
Plaza de Europa nº 21-23
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Barcelona, Spain

Contact
www.werfen.com

bringing
microbiomics
to the clinic

Faecal metagenomic analysis
at the medical lab to empower
clinical diagnosis & management

Meet us at
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gmt.bio

SCAN ME

A.MENARINI DIAGNOSTICS

A.Menarini Diagnostics, the Human Touch of Technology: more than 45 years dedicated to helping healthcare professionals make safe and sustainable diagnosis, improving the quality of life of people all over the world.
A. Menarini Diagnostics is committed to bringing innovative solutions in the In Vitro Diagnostics market and to the development of high-tech diagnostics systems and reagents to improve patients' quality of life, providing healthcare professionals with the best possible solutions for their diagnostics needs. With extensive investments in research, strategic alliances and presence in the healthcare community, Menarini's efforts are in two main areas:
Laboratory Products, including the new pre-analytical management of samples from check-in to the specific lab analyser, a range of systems for glycated haemoglobin, urinalysis, point of care solutions and autoimmunity and infectious diseases routines to meet the needs of core and specialties laboratories. Diabetes Care Products, with the most comprehensive portfolio of glucose monitoring solutions.

ARK DIAGNOSTICS

ARK Diagnostics Inc. develops, manufactures, and distributes in vitro diagnostic immunoassays for Therapeutic Drug Monitoring (TDM) and Urine Drug Testing (UDT). For TDM, clinicians use these measurements to guide dosing decisions for safe, effective, and personalized drug therapy. By optimizing drug levels, clinicians improve outcomes, reduce toxicity, and lower healthcare costs. For UDT, ARK has several unique assays for Fentanyl II, Pregabalin II, Gabapentin, and Methylphenidate Metabolite. Additionally, ARK has many other unique TDM and UDT Assays. ARK's quality management system is certified to ISO 13485:2003. The company is committed to quality compliance and carefully follows Good Manufacturing Practices. ARK uses its unique blend of scientific expertise and deep industry knowledge to deliver high-quality assays for new generations of drugs. Its highly regarded homogeneous enzyme immunoassay technology is adaptable to a variety of clinical chemistry analyzers.

ARK Diagnostics, Inc.
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ASP LAB AUTOMATION

ASP Lab Automation is your partner for the efficient design of sample receipt in medical laboratories. We offer automation solutions for sample preparation and postanalytical processing. We advise our customers on improving their processes. We are a dynamic company with experienced, highly motivated employees who work closely together in a modern corporate culture with flat structures. Our goal is to deliver robust, reliable, and easy-to-use solutions to the constantly growing market requirements of medical laboratories worldwide.
What sets us apart. A deep understanding of the client's needs and our commitment to problem solving with a solution-oriented drive are a strong foundation to our innovation style. To that, we add the hard work of a special team with a rare skillset of knowledge and passion for better, faster, modern technology that sets new standards.

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BIO-RAD LABORATORIES

Founded in 1952, Bio-Rad Laboratories is a world-leading provider of products for the life science research and clinical diagnostic markets. Our mission is to advance discovery and improve lives. Our Clinical Diagnostics Group provides innovative in vitro diagnostics solutions that allow clinicians to diagnose, monitor and treat diseases and other medical conditions. These include diabetes monitoring, blood virus testing, blood typing, autoimmune, microbiology, genetic disorders and quality control systems. With over 300 clinical diagnostic tests available, we are renowned for our commitment to quality and customer service in hospital, reference and transfusion laboratories as well as universities, research institutions, biotechnology and pharmaceutical companies.
www.bio-rad.com/diagnostics

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Phone number: +49 89 3188 4393
Email: contact_centraleurope@bio-rad.com

BÜHLMANN

BÜHLMANN is the established provider for excellence in reliable quantitative fecal analysis of calprotectin and pancreatic elastase. The clinical value is proven in over 100 peer reviewed publications.
The BÜHLMANN fCAL® turbo assay is the consequent continuation of this success and is applicable on most clinical chemistry platforms allowing random access and fulfils today's requirements for automation and streamlining of the workflow in a modern lab environment. The unique CALEX® stool extraction device provides the quality needed for quantitative fecal analysis; its ease of use eliminates direct contact with stool. The design and the consequent separation of pre-analytics and analytics allows lay persons to collect the sample and lab staff only needs loading the sample onto laboratory tracking systems. BÜHLMANN also offers rapid and easy lateral flow analysis in inflammatory diseases with Quantum Blue® calprotectin, infliximab and adalimumab testing for immediate therapy adaptation options. The Exhibiting COMPANY's main areas of activity are:
"Development and manufacturing of unique immunoassays
"Distribution of in vitro diagnostic products

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Efficient immunoassays for early detection of diseases and treatment monitoring

Gentian is a Norwegian diagnostics company that develops and supplies assays for clinically relevant biomarkers available on high-throughput clinical chemistry platforms, utilising the Particle-Enhanced Turbidimetric Immunoassay (PETIA) technology. Our current portfolio and future pipeline of diagnostic reagents span diverse areas like kidney disease, cardiac disease, inflammation, infection and veterinary medicine.

Assays for highly relevant biomarkers for a wide range of clinical chemistry platforms

- GCAL® - Plasma and serum calprotectin
- Cystatin C
- Canine CRP
- SARS-CoV-2 Total Antibody - Launch 2022

On instruments already in your laboratory

We supply our reagents to both clinical laboratories and instrument providers. Our aim is to have our products available for use on all major clinical chemistry platforms currently on the market.

In addition, we plan to bring a new assay to the market every year. Please let us know if you are interested in collaboration.

WE INNOVATE DIAGNOSTIC EFFICIENCY

marketing@gentian.com • www.gentian.com

BYG4LAB®

BYG4lab® is the largest European company specialized in Middleware and Data Management solutions in the field of medical biology. Our organisation gives us all the agility we need to better support our customers and partners in their challenges, in a constantly changing environment. BYG4lab® covers all disciplines, all instruments and all organizations.

BYG4lab®
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COLLEGE OF AMERICAN PATHOLOGISTS

As the world's largest organization of board-certified pathologists and leading provider of laboratory accreditation and external quality assessment/proficiency testing (EQA/PT) programs, the College of American Pathologists (CAP) serves patients, pathologists, and the public by fostering and advocating excellence in the practice of pathology and laboratory medicine worldwide. The CAP's EQA/PT program offers a comprehensive range of programs that constantly evolve to keep laboratories in step with these changes to have more time for what matters most—accuracy in the laboratory. From routine to esoteric, our programs help laboratories deliver performance they can measure and accuracy they can trust. For more information on our EQA/PT, visit cap.org. Also, learn more about the CAP: CAP Annual Report.

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COMED

Independent - Dynamic - Innovative

We provide global IT solutions for medical diagnostics providers and the IVD industry.

COMED is a leading provider in the development and implementation of state-of-the-art ERP, supply chain management and e-commerce solutions in healthcare.

COMED also provides an innovative Lab platform for test orders and online result reporting connecting 100+ hospitals with more than a dozen reference labs.

Countries: 20 | Daily Users: 22.000
Realised Projects: 400 | Different Host Interfaces: 160
International Installation: 1.800
Daily Webshop Users: 1.300
Purchasing Volume: > 2 bn per year (material management solution)

- Multinational Lab Groups & Private Reference Labs
- University Hospital Labs
- Acute Hospitals
- Rehabilitation Clinics
- Ophthalmology, Ophthalmic Surgery & Diagnostic Centers
- Public Sector, Public Welfare, Education, Communities, Retirement Homes
- Agricultural, Environmental, Water, Food & Feed Laboratories

DIAGAM

DiAgam is a European company, with more than 25 years of experience, which manufactures Turbidimetric Specific Protein reagents.

Recognized as a very good quality assays, our leading innovative solutions are offered in user friendly instrument specific packaging for open chemistry systems from world leading instrument manufacturers including Abbott, Beckman, Siemens, Ortho Clinical Diagnostics or Roche*. These end-finished packaging kits save operator time and improve laboratory efficiency by eliminating reagent transfer. Our solutions are also available in OEM for any distributor which is looking for a high quality Specific Protein reagents menu. Our operations are ensured through our direct affiliates in Belgium, France, Spain, Portugal and Brazil. We also export in ASEAN, EMAE, LATAM and US markets. Our assets are:

- Very good correlation versus Nephelometry
- Liquid reagents, controls and calibrators (traceable to International Standards (WHO, IFCC, NIBSC...)
- Label CE. Company certified ISO 9001:2015 and ISO 13485:2016.
- Long expiration date and stability aboard instruments
- Registration and technical support with specialized staff
- Nanotechnologies with colloidal particles for CRP, Calprotectin, Cystatin C, Ferritin, RF and now with our innovative SARS-CoV-2 assay (a serological turbidimetric test for chemistry systems**)

Assays available:

Albumin (immunological), Albumin in Csf, Alpha-1-acid glycoprotein, Alpha-1-antitrypsin, Alpha-1-microglobulin, Alpha-2-macroglobulin, Beta-2-microglobulin, Apolipoprotein A1, Apolipoprotein B, ASO, Calprotectin, Complement C3, Complement C4, Ceruloplasmin, CRP, Haptoglobin, Ig A, Ig E, Ig G, Ig G in Csf, Ig M, Lipoprotein(a), Microalbumin, Prealbumin, Rheumatoid Factor, Retinol binding protein, SARS-CoV-2, Transferrin.

*All products names, registered trademarks, company names in this document remain the property of their respective owners

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DIASOURCE

DIAsource ImmunoAssays® SA (a Biovendor Group company), an international diagnostic company (based in Belgium), develops, manufactures and markets clinical diagnostic products in the field of endocrinology, autoimmunity and infectious diseases.

Core products are based on RIA and ELISA technology and also include reagents to be ran on open ELISA and RIA automated analyzers as well as antibodies for use in in-vitro diagnostic assays.

DIAsource has specific development and manufacturing programs for our Vitamin D panel, steroids and androgens and many others parameters. We also provide selected instrumentation : we offer ELISA reader, - washer and - shaker, along with open and closed fully automated ELISA and RIA platforms helping our customers to automate their tests. We also promote the CLIA system for modern, fast and reliable diagnostics.

It is our ambition to use our 35 years of expertise in Antibody - and Assay development to remain a well-known company of diagnostic immunoassays and instrumentation for the IVD market.

DIAsource ImmunoAssays® SA
rue du bosquet 2 - 1348 Louvain-la-Neuve, Belgium
peter.kerckx@diasource.be

DIASYS DIAGNOSTIC SYSTEMS

DiaSys Diagnostic Systems began as a pioneer in the field of liquid-stable reagents in 1991 and has since become a well-established provider of diagnostic system solutions for small to medium sized laboratories. Dedicated to "Choosing Quality", DiaSys' priority is to provide high quality products and excellent service.

Focusing on clinical chemistry and immunoturbidimetric assays, DiaSys has introduced more than 90 optimized reagents for routine and special diagnostics in user-friendly kits for manual or automated use, as well as dedicated calibrators and controls. One of the latest innovations in the portfolio is a Procalcitonin assay for sepsis diagnosis, developed according to the PETIA test principle.

The instrument portfolio comprises fully automated clinical chemistry analyzers, semi-automated analyzers, POCT instruments and water purification systems. Thanks to this comprehensive range of reagents, analyzers and services, DiaSys, as a reliable partner, fulfils specific customer needs.

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DIESSE

DIESSE Diagnostica Senese SpA is an Italian company with integrated and entirely inhouse production of in vitro diagnostic systems. Its headquarters are in Siena. Since its foundation in 1980, the company has developed, produced and marketed innovative diagnostic systems primarily in the field of immunodiagnostics and automatic measurement of erythrocyte sedimentation rate (ESR). The company has a global presence in over 100 countries, three production sites and a research centre where the design and implementation of tests and new automated diagnostic detection tools meet Italian design and cutting-edge technology, making DIESSE synonymous with "Diagnostics Evolution".

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DIRUI

DIRUI is headquartered in Changchun, northeastern industry base of China, a provider of high-quality in vitro diagnostic products for the global market.

Within 29 years of experience, DIRUI product portfolio is covering biochemistry, urinalysis, hematology, chemiluminescence immunoassay, gynecology, coagulation, molecular diagnostics, and standardized laboratory 8 product lines. We provide personalized laboratory solutions that can meet the diverse needs of customers. DIRUI diagnostic systems are served in hospitals, reference laboratories, and medical institutions in over 120 countries and regions. As an ISO 13485 and ISO 9001 certified manufacturer, DIRUI passed NGSP, RIQAS, and CAP external quality assessment program, all of DIRUI's products are CE certified, some of which are holding FDA certification. Visit our booth (#109) to learn more or at www.dirui.com.cn/en.

Dirui
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Contact address: #3333 Yiju Road, High & Development Zone, Changchun City, China.

EDAN INSTRUMENTS

EDAN Instruments, INC. is a global high-tech company dedicated to providing innovative and high-quality medical devices, it has five product categories including Obstetrics & Gynecology, Patient Monitoring and Diagnostic ECG, to Ultrasonic Imaging Systems and In-Vitro Diagnostic. Edan subdivides IVD into POCT and laboratory diagnostics. In POCT line, Edan has the 1st Chinese ABG analyzer i15, which can provide more than 30 parameters results within minutes. m16, a portable immunoassay analyzer, has excellent accuracy and precision specifications that is comparable with those in central-labs. In IVD line, Edan-Messer Diagnostics* develops the compact 3 and 5 part differential hematology analyzer.

EXIAS MEDICAL

EXIAS Medical is a company located in Graz, Austria that is developing analyzers in the point-of-care and laboratory field since 2014. EXIAS is utilizing the long-term experience of its team in order to develop innovative technology to address the needs of healthcare professionals all over the world.

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Email: office@exias-medical.com

FOSUN DIAGNOSTICS

Founded in 1989, Fosun Diagnostics (Shanghai) Co., Ltd. is a global provider of diagnostic technology innovation solutions. On May 18, 2021, "Fosun Diagnostics" completed the official renaming, set up six major R&D and production bases in China and continuously improved the integrated industrial layout of "diagnosis to treatment" for the R&D and manufacture of IVD instruments and reagents, and the products involved clinical chemistry, clinical immunity, molecular diagnosis, microbiology, POCT and other laboratory medicine fields. Built large-scale fully automatic assembly lines and small POCT product groups which focus on tumors, digestion and metabolism, cardiovascular and cerebrovascular diseases, reproduction, central nervous system, and infection.

In the future, Fosun Diagnostics will continue to build an open R&D ecological platform, promote the development and landing of innovative technologies and products, focus on the IVD industry, and strive to become the world's leading scientific innovator in the overall solution of medical diagnosis.

FUTURE DIAGNOSTICS

We, at Future Diagnostics, are laboratory professionals creating in-vitro diagnostic tests and products. A service provider and a development partner to biotech companies in the global IVD medical device market. We invent, create and validate the best possible IVD tests for our clients.
Whether you need highly specialized knowledge or manpower to bring your concept to market, we are your trusted independent partner for the development of many different types of IVD immunoassays, with different technologies, either manually or automated; e.g. colorimetric (ELISA, EIA), Fluorescent, Chemiluminescent (CLIA), Multiplex Micro-Array, Point of Care or Turbidimetric. Our team of experienced professionals has been doing this for clients around the world for 25 years. This is done with dedication, integrity, transparency, and flexibility.

Future Diagnostics Solutions
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www.future-diagnostics.com

GENETIC ANALYSIS AS

Genetic Analysis AS (GA) is a Norwegian diagnostic company and pioneer in the human microbiome field with more than 10 years of expertise in research and product development. The unique GA-map® platform is based on a pre-determined multiplex targets approach specialized for simultaneous analysis of up to 300 bacteria in one reaction. The test results are generated by the clinically validated cutting edge GA-map® software algorithm. This enables immediate results without the need for further bioinformatics work. The GA-map® Dysbiosis Test Lx is the first validated and CE-marked routine diagnostic platform for gut microbiome, as an easy entry for the clinical laboratory to perform microbiome analysis. GA's vision is to make the microbiota widely accessible to human healthcare by become the leading company for standardized gut microbiota testing worldwide. GA is committed to help unlocking and restoring the human microbiome through its state-of-the-art technology.
www.genetic-analysis.com

GENTIAN

Gentian is a Norwegian diagnostics company that develops and supplies assays for clinically relevant biomarkers available on high-throughput clinical chemistry platforms, utilising Particle-Enhanced Turbidimetric Immunoassay (PETIA) technology. Our current portfolio and future pipeline of diagnostic reagents span diverse areas like kidney disease, cardiac disease, inflammation, infection and veterinary medicine.
In combining 20+ years of industry experience with unique and proprietary technologies Gentian's goal is to increase diagnostic efficiency and decrease the cost of diagnostic testing. Current portfolio includes cystatin C, GCAL® plasma and serum calprotectin, canine CRP and faecal calprotectin and pancreatic assays, SARS-CoV-2 Total Antibody (2021) and NT-proBNP (2022). We have more assays under development and plan to bring a new assay to the market every year.
Gentian products are designed for use in open channels on all major clinical chemistry analysers already available in your laboratory. We supply our reagents to both clinical laboratories and instruments providers.

Gentian AS
PO Box 733 - 1509 Moss - Norway
marketing@gentian.com – www.gentian.com

GMT SCIENCE

GMT Science specializes in the bioinformatic analysis of the gut microbiome. We enable laboratory medicine professionals to enrich their fecal analysis offer,in particular for the clinical diagnosis and management of gastrointestinal disorders.

GMT Science
partnering@gmt.bio
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75015 Paris

GREINER BIO-ONE

Greiner Bio-One specializes in the development, production and distribution of high-quality plastic laboratory products. The company is a technology partner for hospitals, laboratories, universities, research institutes, and the diagnostic, pharmaceutical and biotechnology industries. Greiner Bio-One is split into three divisions - Preanalytics, BioScience and Sterilization. As an Original Equipment Manufacturer (OEM), Greiner Bio-One provides individual solutions in the area of custom-made design developments and production processes for the life sciences and medical sectors.
In 2020, Greiner Bio-One International GmbH generated a turnover of 693 million euros and had 2,375 employees, 28 subsidiaries and numerous distribution partners in over 100 countries. Greiner Bio-One is part of Greiner AG, which is based in Kremsmünster (Austria).

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HEMCHECK SWEDEN

Hemcheck Sweden AB is a publicly listed medtech company manufacturing and commercializing a patented, CE-marked concept, HELGE™, that detects hemolysis in venous and arterial blood samples in vacuum tubes and blood gas syringes during blood collection at the point of care. Hemolysis distorts analytical values and increases lead times, which might result in delayed, missing or wrong diagnosis and treatment for the patient. The vision of Hemcheck is to create hemolysis free blood sampling to ensure safe and effective healthcare delivery.
The v-Test for vacuum tubes enables hemolysis detection and direct sample retake in connection with blood collection and aims to improve the flows of samples and patients, reduce waiting times, turnaround times and patient length of stay, decrease staff workload, increase patient safety and save healthcare costs.
Blood gas analysis is currently done without the possibility of detecting hemolysis. The new bgs-Test for blood gas syringes has multiple functions such as hemolysis test with integrated ventilator for air bubbles and an airtight

cap for improved adaptation to the current workflows. The bgs-Test enables hemolysis detection either in connection with blood sampling or blood gas analysis and aims to contribute to more informed, reliable and timely clinical decisions and thereby improved patient safety.

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HYCOR BIOMEDICAL

At HYCOR, we believe that people with an allergy improve their quality of life when they know exactly what is causing their symptoms. Defining the underlying allergens is key!
With over 40 years of experience, HYCOR Biomedical is a global manufacturer and marketer of in vitro diagnostic products.
Since its founding in 1981, HYCOR has supported clinical laboratories, hospitals and doctors' offices worldwide with allergy and autoimmune instrumentation andreagents. Among its products, HYCOR markets the HYTEC® and the NOVEOS Immunoassay System. Each has received CE Mark for the European Union and FDA clearance in the United States. The company is focused on delivering innovative technology products and comprehensive services that provide the highest value to physicians and laboratories.

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IMMUNDIAGNOSTIK

Immundiagnostik AG (www.immundiagnostik.com), founded in 1986 by Dr. Franz Paul Armbruster (CEO), is specialized on the development, production, and world-wide distribution of innovative parameters and detection methods for laboratory diagnostics and medical research. The main focus is the development of immunological tests (ELISA), of HPLC and molecular biology methods, and of new applications for mass spectrometry (LC-MS/MS). Immundiagnostik concentrates on the development and production of laboratory diagnostics for the identification of disease risks, for differential diagnosis, and for therapeutic drug monitoring. The company holds a particularly strong portfolio in markers of oxidative stress/anti-aging, gastroenterology and nutrition, skeletal system, and cardio-reno-vascular system. Immundiagnostik owns more than 35 patents in Europe, the US, Japan, Canada, and Australia, is certified according to DIN EN ISO 13485 and fulfills the requirements of the German Medical Device Regulation and the EU IVD Regulations (98/79 EG).

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INPECO

Inpeco is the global leader in Total Laboratory Automation. Our pioneering solutions combine open automation with full sample traceability to deliver secure test results and increased productivity to laboratories around the world. Inpeco's solutions guarantee operator safety by removing any contact with biological samples and ensure the total diagnostic testing is error-free - from blood drawing to results availability.
Discover our product videos on the YouTube channel of the Inpeco website!

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IVD GROUP

We are a young, perspective company dedicated to becoming a market leader in implementation of the latest technologies in laboratory medicine.
We are a proud manufacturer of a Unique smartwatch SAMPLIFY for preanalytical phase management and exact sampling time tracking. SAMPLIFY is specially designed for medical nurses responsible for sample collection procedures with an integrated smart assistant based on EFLM recommendations for good practices in phlebotomy. HALO is another IVD product line with a range of MDx reagents, disposables and a real-time PCR cycler SUN96.
We are a family company and believe that our clients should feel as a part of a family. We build our reputation on reliability, business ethics, highly qualified personnel and excellent quality of work.

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LUMIRADX

LumiraDx is a next-generation point of care diagnostics company that is transforming community-based healthcare. Founded in 2014, the company manufactures and commercializes an innovative diagnostic Platform that supports a broad menu of tests with lab comparable performance at the point of care. LumiraDx's diagnostic testing solutions are being deployed by governments and leading healthcare institutions across laboratories, urgent care, physician offices, pharmacy, schools, and workplaces to screen, diagnose and monitor wellness as well as disease. The company has on the market and in development 30+ tests covering infectious diseases, cardiovascular disease, diabetes and coagulation disorders, all on the LumiraDx Platform. In addition, the company has a comprehensive portfolio of fast, accurate and cost-efficient COVID-19 testing solutions from the lab to point of need.
LumiraDx is based in the UK with more than 1500 employees worldwide.
For more information please visit www.LumiraDx.com

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MEDCAPTAIN MEDICAL TECHNOLOGY

Medcaptain Medical Technology Co., Ltd. is dedicated to providing high-quality medical devices and services. As an integrated perioperative solutions provider, our services cover Medication Delivery, Airway Management, In-Vitro Diagnostics, and DVT Prevention. As a state-level hi-tech enterprise, Medcaptain has been granted over 200 patents and the copyright for 15 software applications. Medcaptain has set up offices in central cities of China and other countries like the Netherlands, Turkey, India, Thailand and Colombia. Our products are widely used in top level university teaching hospitals in China, as well as the medical institutions in over 100 countries.

NIHON KOHDEN

Since Nihon Kohden's foundation in 1951, our mission is "Improving Healthcare with Advanced Technology". As a leading manufacturer of electronic medical equipment, we provide solutions for the clinical practice all around the world. At Nihon Kohden, we respond to emerging needs by providing the latest technology and clinical solutions for earlier diagnosis and better outcomes.

https://eu.nihonkohden.com

NOVA BIOMEDICAL

Nova is a world leader in point of care and critical care in vitro diagnostics. Our products include:

Stat Profile Prime Plus® blood gas critical care analyser featuring maintenance-free sensors and a 22-test menu including tests for iMg, Urea, Creatinine, ePV and Co-oximetry.

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Web site. www.novabiomedical.com

NZYTECH

NZYTech manufactures and supplies high-quality enzymes, mixes and kits for molecular research and diagnostics in Life Science Research and Clinical Diagnostics, including custom and OEM solutions. From qPCR & One-Step RT-qPCR Master Mixes, to Reverse Transcriptases, to Ribonuclease Inhibitors and Polymerases. Additionaly, our Clinical Diagnostics solutions have a range of CE-IVD certified product

ISO 135485 - ISO 9001 - CE-IVD

Raw Materials: qPCR & One-step RT-qPCR Master Mixes; Reverse Transcriptases; Riboneuclease Inhibitors; Polymerases

Molecular Diagnostics: SARS-CoV-2 (CE-IVD); Respiratory Viruses (CE-IVD); RT-qPCR Kits (>200 kits RUO); Mag Beads vRNA/vDNA (CE-IVD)

NZYTECH
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PANASONIC INDUSTRY EUROPE

Panasonic Industry Europe GmbH is part of the global Panasonic Group and provides products and services for the automotive and industrial sectors in Europe. As a partner for the industry, Panasonic researches, develops, manufactures, and delivers technologies that support the slogan "A Better Life, A Better World".

The company's portfolio ranges from key electronic components, devices, and modules to complete solutions and production equipment for manufacturing lines in a variety of industries. Panasonic Industry Europe is part of the global Panasonic Industrial Solutions company.

More about Panasonic Industry Europe:

http://industry.panasonic.eu

PHC EUROPE

As part of the PHC Group we are one of the world's most important producers and suppliers of high-quality laboratory equipment, we contribute to advancing life science.

With two business fields within our division – biomedical and diagnostics - we serve a broad and growing spectrum of life science facilities. Our products are used by researchers and other professionals in pharmaceutical, biotechnology and healthcare fields.

They are also important in industrial and transport markets.

QUIDEL CORPORATION

Quidel Corporation is a leading manufacturer of diagnostic solutions at the point of care, delivering a continuum of rapid testing technologies that further improve the quality of health care throughout the globe. An innovator for over 40 years in the medical device industry, Quidel pioneered the first FDA-cleared point-of-care test for influenza in 1999 and was the first to market a rapid SARS-CoV-2 antigen test in the U.S. Under trusted brand names, Sofia®, Solana®, Lyra®, Triage® and QuickVue®, Quidel's comprehensive

product portfolio includes tests for a wide range of infectious diseases, cardiac and autoimmune biomarkers, as well as a host of products to detect COVID-19. With products made in America, Quidel's mission is to provide patients with immediate and frequent access to highly accurate, affordable testing for the good of our families, our communities and the world.

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REETOO BIOTECHNOLOGY

Reetoo Biotechnology is a leading company for AI-driven IVD equipments in the world with revolutionary and innovative IVD equipments for blood, leucorrhea, sperm, chromosomes, urine, feces, sputum and tissues; Our products can identify different types of specimen composition based on our AI-driven DeepCell engine and the whole process is fully automatic, which can greatly improve doctors' efficiency and save a lot of time for doctors and patients. More new products are in development and will be coming soon.More information,please contact us or visit our website.Thanks

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SANSURE BIOTECH INC.

Sansure Biotech Inc. now a listed company in China established in2008, is an integrated solutions manufacturer and provider with independent innovation of molecular diagnostics and gene technology, has over 10-year experience
specialized in diagnostic reagents, nucleic acid diagnostic instruments,complete lab solutions and lab chain services. Sansure solutions for molecular diagnosis are compatible with majority of PCR detection instruments and lab environments based on unique technical platforms"global leading magnetic beads extraction system""one of the simplest and fastest one-step DNA/RNA lysis systems" automated nucleic acid extraction system POCT devices and real-time PCR instruments Over 40% of its employees work for R&D and technical service departments, over one hundred of products with global registrations, including infectious diseases cancer, maternal and child health, blood screening, emerging infectious diseases prevention and control, chronic disease management, etc.

SARSTEDT

SARSTEDT develops & produces instruments & consumables for medicine & science and is one of the leading suppliers in this field.
Especially for research in life sciences, SARSTEDT has developed a comprehensive range of consumables for sample collection & storage, liquid handling, molecular biology as well as products for cell cultivation. The consumables used worldwide include tools like pipette tips, screw cap micro tubes, reaction & centrifuge tubes, PCR tubes & flasks, plates & dishes with tissue culture (TC) treated growth surfaces.
The superior biological purity of SARSTEDT's Biosphere® plus products is guaranteed by a certified production process that complies with the strictest purity requirements so that customers can be sure to achieve utmost impact, comparability and reproducibility in their in-vitro work.
The comprehensive range of high quality products, attendance to customers and excellent service make SARSTEDT a partner in medicine & science worldwide.

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SENTINEL CH.

For over thirty years Sentinel has been committed to the development of innovative IVD devices. The company's main areas of activity are Clinical Immunochemistry, Fecal Immunochemical Test and Molecular Biology with its STAT-NAT technology.

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SHIMADZU

Shimadzu is one of the worldwide leading manufacturers of analytical instrumentation. Its equipment and systems are used as essential tools in all areas of clinical research.
Since more than 140 years, Shimadzu is at the service of science ensuring precise and reliable analyses. Among the leaders in Mass spectrometry technologies, Shimadzu has been paving the way for automation of sample preparation prior to LC-MS/MS analysis for the clinical field. In addition, Shimadzu is offering a full range of solutions including instruments, reagents, standards as well as sampling technologies.
Take the opportunity to discover the LCMS portfolio (IVD and RUO), the full automation with CLAM-2030 and our clinical reagent kits during Euromedlab 2021!

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T&O LABSYSTEMS

T&O LabSystems is an innovative family business established in 2009. We contribute significantly to the safe and efficient logistics of blood and urine sample tubes - from sample collection to analysis. With more than 450 installed systems worldwide as well as numerous cooperations in the OEM sector, T&O LabSystems has established itself as a reliable partner for medical laboratories and companies.
Our 4th generation ATRAS is a cost-effective solution for the registration and sorting of samples into bulk bins, racks and centrifuge buckets. The modular concept allows fully customized solutions for individual workflows.
The intelligent transport system InTrac ensures barrier-free and cost-effective distribution of closed samples throughout the laboratory. Our TriCollect solution enables safe sample transport from sender to the laboratory

according to UN 3373 while completely avoiding plastic waste. ATRAS, InTrac and TriCollect integrate and work well together, thus adding value through synergy.
Experience our products and their synergy live at our booth.

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TASCOM

TASCOM stands for Total Analysis System Company.
Since founded in Koran in 2013, TASCOM Co., Ltd has successfully developed SimplexTASTM enables healthcare professionals to diagnose various diseases from patient more quickly and easily. More importantly it provides lab-quality results by adopting the same principles and mechanism as laboratory clinical analyzers. Our mission is to enhance human wellness and improve efficiency and values in healthcare by providing accurate and user-friendly products. Through our continuous innovation and core technologies, we will keep providing best quality diagnostic products and become a global leader in in-vitro diagnostic field.

TECHNOPATH CLINICAL DIAGNOSTICS

Technopath Clinical Diagnostics is a global leader in the development, manufacturing and delivery of high-quality independent quality controls and QC data management software for the IVD industry.
Laboratories that use Multichem® consolidated independent quality controls experience simplified inventory, reduced costs and improved efficiencies. Technopath's enhanced offering of barcoded consolidated QC, combined with IAMQC® informatic software, offer unique work-flow automation, whereby controls can be stored on-board and/or simply presented to the instrument for use. Technopath is valued as a single, trusted source that helps laboratories achieve their QC goals with a broad portfolio of QC products and comprehensive range of informatics solutions and support services.

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VIRAMED® BIOTECH

Based on more than 38 years of experience in European and American markets Viramed® develops, produces and sells In-Vitro-Diagnostic test kits. Through proprietary research and development the ViraChip® microarray product line is continuously expanding.
Viramed® focuses on the serological detection of autoantibodies as well as antibodies against infectious disease parameters like Borrelia, Yersinia, Treponema, Helicobacter, Bordetella, SARS-CoV-2, EBV, CMV, Hepatitis E Virus, Parvovirus B19, Zika Virus, Dengue Virus, Chikungunya Virus and Toxoplasma.
Software solutions, device design and manufacturing provide full automation for the ViraChip® technology in the diagnostic laboratory.

WATERS CORPORATION

Waters Corporation, (NYSE:WAT), creates business advantages for laboratory-dependent organizations by delivering practical and sustainable innovation in the areas of liquid chromatography and mass spectrometry, two vital enabling technologies for today's state-of-the-art analytical laboratories. Waters instruments and software enable significant advancements in such areas as healthcare delivery, clinical research, forensic toxicology, sports medicine, drug discovery and development worldwide.
Bringing keen understanding and deep experience to those responsible for laboratory infrastructure and performance, Waters helps its customers meet client expectations and satisfy delivery timetables, make profound discoveries, manage laboratory operations, and meet current Good Laboratory Practice (GLP) requirements and comply with federal and international regulatory guidelines.
Pioneering a connected portfolio of liquid chromatography and mass spectrometry products, laboratory consumables, laboratory informatics, and post-sale support services, Waters' technology breakthroughs and laboratory solutions provide an enduring platform for customer success. Visit www.waters.com for more information.

ZYBIO

Zybio Inc., est. in 2008, is a high-tech enterprise specialized in IVD equipment and reagents' R&D, manufacture, sales and technical services, headquartered in Chongqing Municipality, China.
Zybio has over 3,200 employees worldwide, including 1,000+ R&D personnel. Around 15% of annual revenue is continuously invested to R&D as well as innovative attempts.
To attract talents, Zybio established 7 R&D centers in different top-tier cities all across China. By far, Zybio portfolio consists of clinical chemistry, chemiluminescense immunoassay, molecular biology, hematology, microbiology, pathology and POCT.
Zybio global business covers 110+ countries, benefited 13,000+ end users (until September, 2021). Zybio strives to reshape IVD products by bettering quality with advanced and efficient techinque.

ZYMO

From its birthplace in a small garage in Orange, California, to the industry leader it is today, Zymo Research has been led by the vision to have a positive impact in the biomedical field and to contribute to the greater good of humanity. That vision touches every aspect of Zymo Research and has guided the company's growth, culture and creation of the most innovative and valuable biomedical tools and services since 1994.
Now, Zymo Research is a globally established biotechnology company and industry leader in the fields of epigenetics, microbiomics and the emerging Next-Gen Sequencing space. While the company provides some of the most technologically advanced and reliable products in the industry, everything is driven by the fundamental belief that "the beauty of science is to make things simple."

Preanalytical POCT errors - What impact do they have?

BD at EUROMEDLAB

Room 13A

Wednesday, April 13th

3:30 – 4:40 p.m. CET

Point of care testing within the Emergency Department has enabled rapid diagnosis and treatment of patients. However, even devices that are well maintained and managed can, in some circumstances provide results that are erroneous. This workshop, with the use of data from three institutions will provide insights into how POCT errors can impact patient care and hospital resources, presented by:

Professor Peter Luppa

Head of the Core Clinical Chemistry Laboratory at the Institute for Clinical Chemistry and Pathobiochemistry in Munich, Germany

Dr Andrei Tintu

Point of Care Director and Chief Laboratory Information Officer at Erasmus MC, University Medical Center in Rotterdam, the Netherlands

Dr Antonio Buño Soto

Point of Care Director and Head of Clinical Analysis Services at the La Paz University Hospital in Madrid, Spain

Let's have a conversation!

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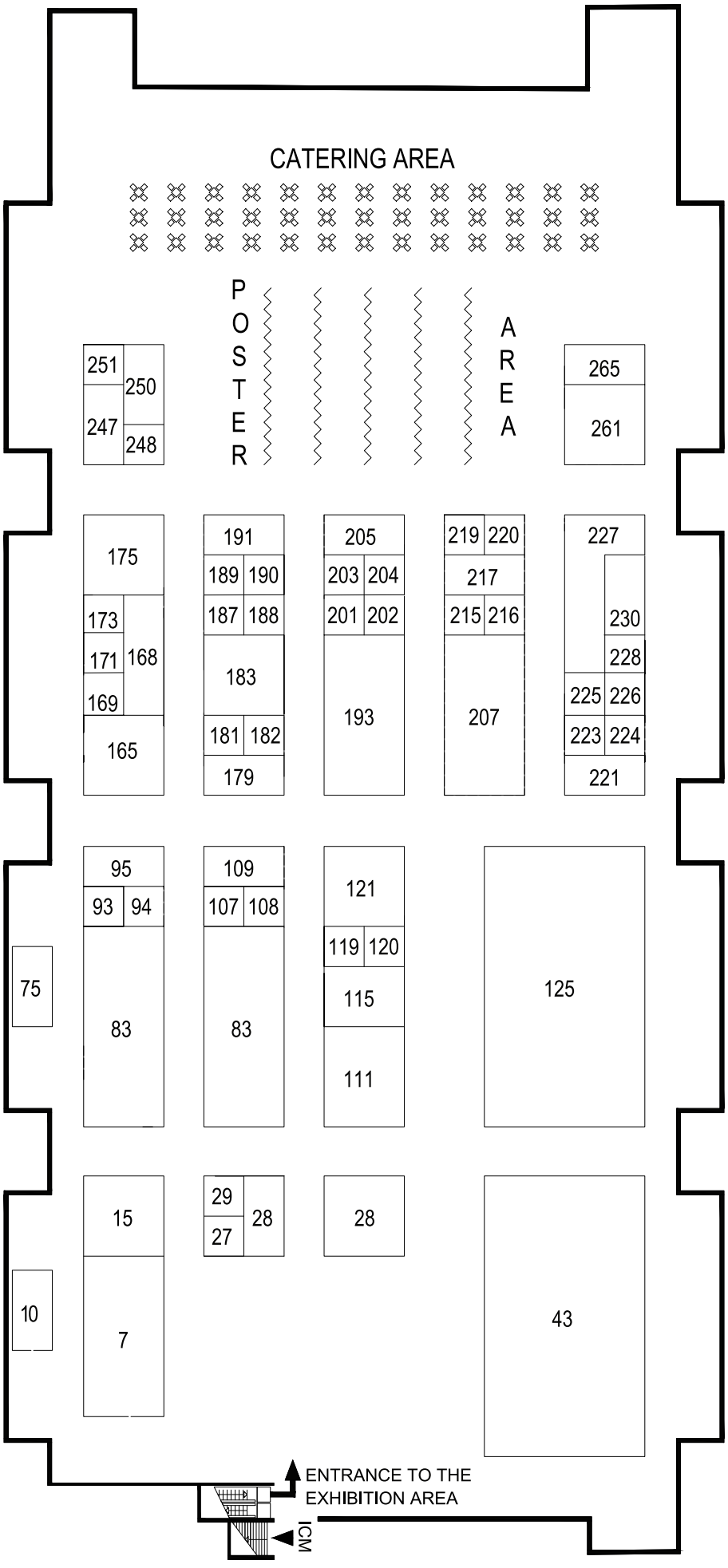

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