



EUROPEAN FEDERATION OF CLINICAL CHEMISTRY  
AND LABORATORY MEDICINE

2<sup>nd</sup> EFLM Strategic Conference

# THE END OF LABORATORY MEDICINE AS WE KNOW IT?

## Handling disruption of Laboratory Medicine in digital health

### SCIENTIFIC COMMITTEE

Chair:

Michael Neumaier, Germany

Eric Kilpatrick, UK-Qatar

Wytze Oosterhuis, The Netherlands

Klaus Pantel, Germany

Sverre Sandberg, Norway

Ana-Maria Simundic, Croatia

Ian Watson, UK

With the auspices of



18-19 June 2018  
Mannheim (DE)

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The conference will consider the impact that the on-going digitalization of technologies and a digitalized society will have on the medical laboratory in future health care. We contend that such changes enable Digital Health that will be disruptive for Laboratory Medicine as we know it, because they will change our capabilities to compile, integrate and visualize complex diagnostic data as well as providing the opportunity for radical changes to diagnostic health strategies.

With the digital revolution spreading into every realm of modern medicine, we will experience a democratisation

of health care, i.e. a comprehensive data usage not just being in the hands of health care professionals, but also in the patients'. Indeed, a central concept of digital health medicine is patient empowerment as demonstrated by key words like "electronic health record", "patient access", "health apps", "wearable health tech" etc. In this rapidly changing health care environment, Laboratory Medicine must redefine its positions, not only acting in its classical role as provider of laboratory results, but also adopting new roles and responsibilities in the clinical dialogue.

### Session 1 - h. 9.00 - 12.00

#### DISRUPTIVE TECHNOLOGIES IN LABORATORY ANALYTICS

- 09.00 Welcome  
*Michael Neumaier (DE), Sverre Sandberg (NO)*
- 09.15 Introductory lecture: History of disruptions in Laboratory Medicine: what have we learned from predictions?  
*Larry Kricka (US)*
- 10.00 How to identify disruption early on? – examples from IVD industry. A joint presentation format of the IVD-Industry partners  
*Matthias Essenpreis (Roche), Michael Meyer (Siemens), Frank Diehl (Sysmex)*
- 10.45 Coffee break
- 11.00 "Small" means "gone" – moving analytics away from the lab to a chip and beyond  
*Albert van den Berg (NL)*
- 11.30 Analytical Examples for disruption - cell-free nucleic acids in body fluids  
*Klaus Pantel (DE)*
- 12.00 Lunch

### Session 2 - h. 13.00 - 15.45

#### DISRUPTION THROUGH BIOMEDICAL INFORMATICS TECHNOLOGIES

- 13.00 Introductory lecture: Paradigm changes for diagnostics: using Big Data for prediction  
*Josep Roca (SP)*
- 13.45 Architectures of present and future information technologies  
*Werner Eberhardt (SAP)*
- 14.15 Digital networks for laboratory data and their potential in clinical decision support (visualization)  
*Thomas Ganslandt (DE)*
- 14.45 Diagnostics 4.0: the medical laboratory in Digital Health  
*Michael Neumaier (DE)*
- 15.15 Coffee break

### Session 3 - h. 15.45 - 18.00

#### INTEGRATING LABORATORY AND CLINICAL DATA – A GAME FOR THE LAB?

- 15.45 Introductory lecture: Recent advances  
*Jonathan Kay (UK)*
- 16.30 EU Cross-border health initiative - legal and regulatory issues  
*Petra Wilson (Health Connect partners)*
- 17.00 What is happening to laboratory medicine in Denmark  
*Per Jørgensen (DK)*
- 17.30 Is there a classical role for the lab in Digital Health?  
*Ferruccio Ceriotti (IT)*
- 18.00 Closing remarks

### Session 4 - h. 8.30-10.45

#### INTERPRETATION AND COMMUNICATION OF TEST RESULTS: THE STAKEHOLDER'S PERSPECTIVES

- 08.30 Introductory lecture: How you communicate complex information to the patient?  
*Holly Witteman (CN)*
- 09.15 Adding clinical utility to the lab report – automation of interpretative comments  
*Wytze Oosterhuis (NL)*
- 09.45 The view of a patient on understanding results  
*Patricia Wilkie (patient)*
- 10.15 The view of a general practitioner on free access for patients to their results  
*Amir Hannan (doctor)*
- 10.45 Coffee break

### Session 5 - h. 11.15-13.30

#### PATIENT EMPOWERMENT AND THE LABORATORY

- 11.15 Introductory lecture: What relationship should a Patient have with a Specialist in Laboratory Medicine? [communication; context; availability; responsibility];  
*Ian Watson (UK)*
- 12.00 Reliability of Internet data and Smartphone apps for Laboratory Medicine  
*Snežana Jovičić (SRB)*
- 12.30 Example – Benefits of patient's involvement in their investigation  
*Paul van der Boog (doctor); N.N. (patient)*
- 13.00 Teaching the pony new tricks: competencies for Specialists in Laboratory Medicine to meet the challenges of disruptive innovation  
*Gilbert Wieringa (UK)*
- 13.30 Lunch

### Session 6 - h. 14.30-15.30

#### PANEL DISCUSSION: DETERMINING OUTCOMES AND THE WAY TO GET THERE

# GENERAL INFORMATION



## Venue

**Congress Center  
Rosengarten Mannheim  
Meeting room: Hall 3.7  
Arnold Schönberg**

Rosengartenplatz 2,  
Mannheim

<http://www.rosengarten-mannheim.de/en/tagungen-kongresse/>

Mannheim is an Inter City Express junction train station. There is a direct train connection from Basel, Berlin, Cologne, Düsseldorf, Frankfurt am Main, Frankfurt am Main Airport, Freiburg, Hamburg, Munich, Paris, Stuttgart, and many other cities. The Rosengarten is walking distance from the main railway station (11' walking towards the city centre).



## ORGANIZING SECRETARIAT

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## Official Language

The official language of the conference is English.

## Registration fee

**EUR 250,00**

The registration fee includes:

- Coffee break & lunch buffet as indicated in the programme
- Certificate of participation

**To make your registration, please access the following link:**

**<https://ems.mzcongressi.com/start/1366/eng>**

## Cancellations:

- registrations cancelled within April 30, 2018 will result in a 50% penalty
  - afterwards, registrations will result in a 100% penalty
- Places are limited, registration will be accepted on a first come, first served basis.

## Accommodation

The following hotels are all located walking distance from the congress venue. To book your room please refer to the below indicated hotel reservation system.

- Dorint Congress Hotel <https://hotel-mannheim.dorint.com/de>
- Maritim Hotel [www.maritim.de/de/hotels/deutschland/hotel-mannheim](http://www.maritim.de/de/hotels/deutschland/hotel-mannheim)
- Syte [www.sytehotel.de](http://www.sytehotel.de)
- BoardingHouse Mannheim [www.boardinghouse-ma.de](http://www.boardinghouse-ma.de)
- Radisson Blue [www.radissonblu.com/en/hotel-mannheim](http://www.radissonblu.com/en/hotel-mannheim)
- Hotel Kurpfalzstuben [www.kurpfalzstuben.de/en/home.html](http://www.kurpfalzstuben.de/en/home.html)
- Best Western Plus Delta Park Hotel [www.delta-park.de](http://www.delta-park.de)
- Kleiner Rosengarten <http://de.kleiner-rosengarten.com>
- Leonardo Royal Hotel [www.leonardo-hotels.de/leonardo-royal-hotel-mannheim](http://www.leonardo-hotels.de/leonardo-royal-hotel-mannheim)
- City Partner Augusta Hotel <http://cph-hotels.com/de/hotel/mannheim/city-partner-augusta-hotel/hotelinfo.html>

## Travel Information

For those landing in Frankfurt:

The most convenient and quickest way to reach Mannheim from the Frankfurt Airport is by train. Direct ICE trains (Inter City Express) leave from the airport every hour at 52' (sometimes at 22') and the journey takes 31'.

In Frankfurt Airport there are two railway stations: "Fernbahnhof" (= railway station long distance trains) and "Regionalbahnhof" (= railway station regional trains). Preferably use Fernbahnhof since the ICE trains leave from there. Please keep in mind: Frankfurt airport has two terminals (terminal no. 1 and terminal no. 2) The railway stations are next to terminal no. 1. In case you arrive at terminal no. 2, you should calculate at least 25' to go by "shuttle bus" or by "sky line" (= fast shuttle train) from terminal no. 2 to terminal no.1 and from here to the railway station.

Train tickets can be purchased in advance by clicking [here](#): select from "Frankfurt(M) Flughafen Fernbf" to "Mannheim Hbf". We suggest that you opt for the "Flexprice-2 class" which permits an unrestricted choice of trains on day of travel (so you do not have to be worried if your flight is delayed – the cost is Eur 26 per way - Eur 52 the ticket return). The Rosengarten Center is 11' walking from the Mannheim Railway Station.