PharmaLab 2020

Congress for Analytics, Bioanalytics and Microbiology



From the Analysis of Small and Large Molecules to Microbiological Methods Implementation to Laboratory Automation and Digitalization

3 Conference Tracks with 6 Subsessions:

- Endotoxin Testing LAL and rFC
- Pyrogen Testing MAT and More
- Rapid Microbiological Methods
- Laboratory Optimization and Automation
- Bioanalytical Challenges
- Developments in classical Analytics

All information can be found at:

www.pharmalab-congress.com









The Congress Objective

Dear colleagues,

We had actually been looking forward to the 8th PharmaLab Congress in Neuss Düsseldorf, especially as a whole series of competent speakers had again been confirmed and exciting topics were on the programme. But unfortunately, microbiology in the form of SARS-CoV-2 does not allow microbiology congresses with a face-to-face meeting this year. But we are not discouraged by this and we have to keep a close eye on current developments, in particular in the field of pharmaceutical development, production, quality assurance and quality control.

That is why we will not cancel PharmaLab 2020 but have converted it into an online congress. With 3 conference tracks and sessions on endotoxin and pyrogen testing, microbiological methods, bioanalytics, chemical analysis and laboratory optimization we offer a comprehensive congress again this year. As with the on-site congress, participants can book day tickets so that they can switch back and forth between the sessions and put together their own individual programme from the presentations. Are you interested in the rFC test in the pharmacopoeia, but also in the implementation of a mycoplasma test method? No problem - with PharmaLab you can see and hear both lectures and switch between the tracks.

More than 50 lectures by over 40 speakers from Europe and overseas will give you comprehensive information on current developments, both regulatory and scientific.

We look forward to welcoming you online at PharmaLab.

With best regards - and stay healthy!

Axel H. Schroeder Administration Manager Pharmaceutical Microbiology Working Group

PharmaLab Live Online 2020 Overview

1 Key Note 10 November

Current European Pharmacopoeia Developments, with a Focus on Microbiology Dr Emmanuelle Charton, EDQM, Head of Divison B

(1) Key Note 11 November

RTRT: A Reality Check in the Small and Large Molecule World Dr Lorenz Liesum, F. Hoffmann-La Roche

	TRACK 1 Endotoxin and Pyrogen Testing	TRACK 2 Laboratory Optimization and Alternative Microbiological Methods	TRACK 3 Challenges in Bioanalytical and Analytical Laboratories
Day 1 - 10 Nov 2020	LAL and rFC – Current Developments	Laboratory Optimization	From Bioassays to ATMP Analytics
Day 2 - 11 Nov 2020	MAT Update and Endotoxin Thinking Out of the Box	Alternative Microbiological Methods	From Life Cycle Management to Real Time Measurements

The conference language of all Live Online Conferences is English. All times mentioned are CET.

The Official Media Partners







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European Pharmaceutical Review is a leading free publication for information about technologies across all stages of drug development. Published bi-monthly, each issue offers technical and business contributions from the world's leading pharmaceutical companies and experts. Visit www.European-PharmaceuticalReview.com for further information.

Key Note - Speakers (as of August 2020)

Dr Emmanuelle Charton EDQM, Council of Europe, European Pharmacopoeia Department. Head of Division B.

Dr Lorenz Liesum F. Hoffmann-La Roche

Speakers (as of August 2020)

Ketan AgravatrK3 Solutions, India, Chief Executiv Officer.Darren BauerThermo Fisher Scientific, USA, Product Manager.

Dr Karl-Heinz Bauer Boehringer Ingelheim, Germany, Head of Quality Unit DPI/MDI.

Ulla Bondegaard Novo Nordisk, Denmark.

Dr Nicolas Brauckhoff Protagen Protein Services, Germany, Head of Biotherapeutical Analytics.

Professor Guy C. Brown University of Cambridge, Department of Biochemistry. Professor of Cellular Biochemistry.

Dr Marja Claassen MSD, Senior microbiological specialist.

Laura-Felicia Cristescu STADA Hemofarm SRL (STADA Group), Romania, QA and Local Pharmacovigilance Officer Deputy.

Dr Sven M. Deutschmann Roche Diagnostics, Germany, Head of Global ASAT "Adventitious Agents Testing & Alternative Microbiologica.

Chairman of the Advisory Board of the ECA "Pharmaceutical Microbiology Interest Group", Member of PDA Task

Forces

Dr Markus Fido MFI Bio Consulting, Austria, Founder and CEO.

Dr Anja FritschConfarma, France, Responsible for cell based bioassays (development and routine).

Stefan Gärtner Labor LS, Germany, Head of Department - Sterile Products Rapid and Alternative Methods.

Dr Wolf-Christian Gerstner Geniu, Germany, Managing Director.

Dr Viviane Grunert daRoche Diagnostics, Germany, Statistical support to the nonclinical areas of chemistry, manufacturing, and

Fonseca controls

Gerd Heimlich

Yokogawa Deutschland, Germany, Senior Executive Sales - Life Innovation Business Europe.

Jordi Iglesias Charles River Laboratories, Ireland, Technology Market and Development Manager.

Niek Janssen Altran, The Netherlands, Advanced Expert Life Sciences.

Judith Kernbichler Takeda, Austria, Head of Analytical Sciences Knowledge Management.

Roland Koch Gasporox AB, Sweden, Senior Application and Sales.

Kai Kottwitz Rentschler Biopharma, Germany, Quality Control Manager.

Timo Kretzschmar Anapur, Austria, Senior Consultant.

Dr Marijke Molenaar-de Backer Sanquin, The Netherlands, Manager MAT services.

Dr Michael J. Miller Microbiology Consultants, USA, President.

Kai Nesemann Sartorius Labs Instruments, Germany, Global Product Manager DNA-based rapid QC-testing.

Dr Jörg Neumann Jörg Neumann Beratung, Germany, Founder and CEO.

Johannes Oberdörfer Boehringer Ingelheim, Germany, Quality Biopharmaceuticals.

René Ørving Novo Nordisk, Denmark.

Dr Kent Persson Octapharma, Sweden.

Nicola Reid Charles River Laboratories, UK, Associate Director Product Management.

Johannes Repellnig VelaLabs – A Tentamus Company, Austria, Application Specialist.

Markus Roucka VelaLabs – A Tentamus Company, Austria, Managing Director.

Sabrina Rottal VelaLabs – A Tentamus Company, Austria, Application Specialist - R&D and Analytical Development.

Dr Wolfgang Rudy TentaMedix, Germany, Chief Scientific Officer.

Shabnam Solatil CTL-MAT, USA, Chief Executive Officer.

Jacob G. Tesdorpf PerkinElmer Life Sciences & Technology, Germany, Senior Director Life Science Markets.

Dr Franz Tüchler VelaLabs – A Tentamus Company, Austria, Validation Consultant.

Dr Daniel M. Waldera-Lupa Protagen Protein Services, Germany, Application Specialist Mass Spectrometry.

Melanie Wallisch Rentschler Biopharma, Germany, Quality Control Manager.

Veronika Wills Associates of Cape Cod, USA, Manager Technical Services.

Kevin Williams bioMérieux, USA, Senior Scientist.

Alireza Zarei Zamann Pharma Support, Germany, Chief Executive Officer.

Dr Christian Zeine USP, Senior Scientific Affairs Manager EMEA.

The Live Online Conferences on 10 November 2020

Key Note Presentation ②09.30 – 10.15 h Current European Pharmacopoeia Developments, with a Focus on Microbiology

Congress Key Note

Dr Emanuelle Charton, EDQM, Head of Division B

ECA Live Online Conference: ①09.00 – 17.00 h **Endotoxin and Pyrogen Testing (Day 1)**

TRACK 1

Introduction and Organisationals 09.00 – 09.30 h

Break 10.15 –10.45 h

Invention of rFC 10.45 –11.15 h

Speaker invited

Evaluation of rFC 11.15 –11.45 h

⇒ Speaker Boehringer Ingelheim invited

The changing BET Landscape and the Recombinant Alternative 11.45 –12.45 h

→ Veronika Wills, Associates of Cape Cod.
Questions and Answers 12.15 –12.45 h

Break 12.45 –13.45 h

Data as clean as Water:

The Criticality of Detecting Relevant Endotoxins in Global Pharmaceutical Water Samples 13.45 –14.15 h

Nicola Reid, Charles River Laboratories

Symbols of Infection 14.15 –14.45 h

Kevin Williams, BioMerieux

Impact of Sample Preparation on Endotoxin Detection $14.45\,\text{--}15.15\;h$

⇒ Speaker invited

Break 15.15 -15.30 h

Masking of Endotoxin during Sample Hold Time $15.30\,\text{--}15.45\;h$

⇒ René Ørving , Novo Nordisk

FDA's Thinking on current Developments in Endotoxin and Pyrogen Testing $15.45-16.15\,h$

Speaker FDA invited

Questions and Answers 16.15 –17.00 h

ECA Live Online Conference: ①09.00 – 17.00 h **Laboratory Optimization and Automation**

TRACK 2

Introduction and Organisationals 09.00 – 09.30 h

Break 10.15 -10.45 h

The Future Laboratory beyond Digitization 10.45 $-11.15\ h$

⇒ Niek Janssen, Altran

Reversed Phase HPLC Method Optimization for a Contrast Agent containing Drug Product 11.15 –11.45 h

⊃ Johannes Repellnig, VelaLabs - A Tentamus Company

LIMS Systems and Segregation of Duties 11.45 –12.15 h

Alireza Zarei, Zamann Pharma Support

Questions and Answers 12.15 –12.45 h

Break 12.45 -13.45 h

Data Integrity critically examined in the Laboratory - Ubiquitous Traps in a Hybrid Environment

13.45 –14.15 h

Timo Kretzschmar, Anapur

Lean Lab Design: Laboratory Planning for new Buildings and Refurbishments 14.15 –14.45 h

⇒ Dr Wolf-Christian Gerstner, Geniu

Practical Handling of Laboratory Computerised Systems 14.45 –15.15 h

⇒ Ulla Bondegaard, Novonordisk

Break 15.15 -15.30 h

Ideation Management & Continuous Improvement Processes - A sustainable Contribution to Laboratory

Optimizations 15.30 –16.00 h

Dr Karl-Heinz Bauer, Boehringer Ingelheim

Fusion of a Microbiological with a Chemical / Analytical Laboratory $16.00\,\text{--}16.30\;h$

Dr Franz Tüchler, VelaLabs - A Tentamus Company

Questions and Answers 16.30 –17.00 h

ECA Live Online Conference: ②09.00 – 17.00 h

Challenges in Bioanalytical and Analytical Laboratories

Day 1 - from Bioassays to ATMP Analytics

Introduction and Organisationals 09.00 – 09.30 h

Break 10.15 –10.45 h

A Journey beyond Automation in High-Content Analysis for Live-cell Imaging Research and Drug Discovery

10.45 - 11.15 h

⇒ Gerd Heimlich, Yokogawa

A complex Cell-based Bioassay for efficient Lifecycle Management of Analytical Procedures

11.15 – 11.45 h

→ Melanie Wallisch, Rentschler

Development of a Cell-based Binding Assay according to QbD 11.45 – 12.15 h

⇒ Sabrina Rottal, VelaLabs - A Tentamus Company

Questions and Answers 12.15 –12.45 h

Break 12.45 –13.45 h

Mass Spectrometric Evaluation of Host Cell Protein Patterns in Downstream Process and

Biopharmaceutical Product 13.45 –14.15 h

→ Dr Daniel M. Waldera-Lupa, Protagen

Simultaneous Bioanalytical Monitoring of Cytotoxicity and Biomarker Release via Higher Throughput

Assays 14.15 -14.45 h

Jacob G. Tesdorpf, Perkin Elmer

Validation of Bioanalytical Testing for a Therapeutic mAb using MesoScaleDiscovery 14.45 –15.15 h

Max Roucka, VelaLabs - A Tentamus Company

Break 15.15 -15.30 h

New Approaches for Analyzing ATMPs in GMP Environment 15.30 –16.00 h

⇒ Dr Markus Fido, MFI Bio Consulting

Advanced Analytical Approaches for accelerated Development of Gene Therapy Products

16.00 -16.30 h

→ Dr Nicolas Brauckhoff, Protagen Protein Services

Questions and Answers 16.30 –17.00 h

The Live Online Conferences on 11 November 2020 **Key Note Presentation** ①09.00 – 09.45 h RTRT: A Reality Check in the Small and Large Molecule World

Dr Lorenz Liesum, F. Hoffmann-La Roche



ECA Live Online Conference: ②09.45 – 17.00 h Endotoxin and Pyrogen Testing (Day 2)

TRACK 1

Overcoming technical Issues with Assays to assess Innate Immune Response Modulating Impurities 09.45 -10.30 h

⇒ Speaker FDA invited

The Endotoxin Hypothesis of Neurodegeneration 10.30 –11.00 h

⇒ Professor Guy C. Brown, Department of Biochemistry, University of Cambridge

Break 11.00 -11.15 h

Use of Monocyte Activation Test for Evaluation of Pyrogenicity associated with typical Environmental **Contaminants** 11.15 –11.45 h

Dr Anja Fritsch, Confarma

 $\textbf{Pyrogen Detection on Cellular Prepartions and other Short Shelf Life Pharmaceuticals} \ 11.45-12.15\ h$

Stefan Gärtner, Labor LS

Questions and Answers 12.15 –12.45 h

Break 12.45 –13.45 h

Determination of Pyrogens from Medical Devices/MAT Multiplexing 13.45 – 14.15 h

Dr Wolfgang Rudy, Tentamedix

Using the Monocyte Activation Test to determine the Pyrogenicity of an OMV Vaccine 14.15 –14.45 h

Dr Marijke Molenaar-de Backer, Sanquin

The Monocyte Activation Test (MAT): The Road forward for Pyrogen Testing 14.45 –15.15 h

Shabnam Solati, CTL-MAT

Break 15.15 -15.30 h

Industrials Experiences with MAT 15.30 –16.00 h

⇒ Speaker invited

How to handle Endotoxin OOS, OOT and Atypic Results - the ECA Guide on Microbiological Deviation

Chapter 2 16.00 –16.30 h

⇒ Jordi Iglesias, Charles River Laboratories

Questions and Answers 16.30 –17.00 h

TRACK 3

ECA Live Online Conference: ②09.45 – 17.00 h

Rapid Microbiological Methods and Mycoplasma Testing

TRACK 2

Validation of Alternative Methods: the Perspective from the European Pharmacopoeia

09.45 -10.30 h

⊃ Dr Emmanuelle Charton, EDQM

Development and Validation of a Rapid Sterility Test using BacT/ALERT Dual T

10.30 -11.00 h

→ Dr Marja Claassen, MSD

Break 11.00 –11.15 h

Validation and Implementation of an Automated Colony Counter for Product Bioburden Testing

11.15 -11.45 h

⊃ Dr Sven M. Deutschmann, Roche Diagnostics

Non-inferiority Testing for RMM Validation: Two Use Cases 11.45 –12.15 h

⇒ Dr Viviane Grunert da Fonseca, Roche Diagnostics

Questions and Answers 12.15 -12.45 h

Break 12.45 -13.45 h

From Visual Counting to Automation of Water Monitoring with the Growth Direct

13.45 -14.15 h

⇒ Johannes Oberdörfer, Boehringer Ingelheim

Validating a Rapid Sterility Test: Practical Strategies to ensure Regulatory Compliance

14.15 -14.45 h

→ Dr Michael Miller, Microbiology Consultants

Rapid Microbial Test for Short Shelf Life Pharmaceuticals 14.45 –15.15 h

➡ Kai Nesemann, Sartorius

Break 15.15 -15.30 h

A Real-time PCR Assay designed to fulfill Mycoplasma Detection Regulatory Requirements

15.30 -15.45 h

Darren Bauer, Thermo Fisher Scientific

Making the Switch: the Evaluation, Implementation and Validation of bringing Rapid Mycoplasma

Testing in-house to expedite Lot Release of Recombinant Protein Product 15.45 –16.15 h

Dr Kent Persson, Octapharma

Questions and Answers 16.15 -17.00 h

ECA Live Online Conference: ①09.45 – 17.00 h

Challenges in Bioanalytical and Analytical Laboratories Day 2 - Analytics - From Life Cycle Management to Real Time

TRACK 3

Analytical Procedure Lifecycle Management, practical Implementation of Routine for Process Verification 09.45 -10.30 h

Ulla Bondegaard, Novo Nordisk

Life Cycle Management of Analytical Procedures - Regulatory Perspective 10.30 –11.00 h

⇒ Ketan Agravat, rK3 Solutions

Break 11.00 -11.15 h

Key Performance Indicators in Pharmaceutical Quality Control Laboratories - Tools to measure and monitor Optimizations 11.15 –11.45 h

Dr Karl-Heinz Bauer, Boehringer Ingelheim

The Value of Pharmacopeial RS: A Story about Uncertainties, associated Guard Bands and Secondary RS 11 45 -12 15 h

Dr Christian Zeine, USP

Questions and Answers 12.15 –12.45 h

Break 12.45 –13.45 h

Small Molecule Drugs & Analytics - SWOT Analysis on the OOS/OOT/OOE established System 13.45 -14.15 h

Laura-Felicia Cristescu, STADA Hemofarm SRL (STADA Group)

Validation of Analytical Methods 14.15 –14.45 h

⇒ Judith Kernbichler, Takeda

OOS, OOT, OOE - Update from practical Experiences 14.45 - 15.15 h

⇒ Dr Jörg Neumann, Jörg Neumann Beratung

Break 15.15 -15.30 h

Strategic Design of HCP Analysis during Clinical Phases 15.30 –15.45 h

⇒ Kai Kottwitz, Rentschler

Real-time Measurements of Starting Materials used in Tablet Production 15.45 – 16.15 h

Roland Koch, Gasporox

Questions and Answers 16.15 -17.00 h

Organisation

Date of the Live Online Conferences

Tuesday, 10 November 2020, 09.00 – 17.00 h CET Wednesday, 11 November 2020, 09.00 – 17.00 h CET



Technical Requirements

You will receive the access data together with the technical requirements in time.

Fees (per delegate, plus VAT)

The registration allows access to all three lecture tracks and the change between the tracks at will.

1-day ticket 690.- € 2-day ticket 1380.- €

The conference fee is payable in advance after receipt of invoice.

Registration

Via the attached reservation form, by e-mail or by fax message. Or you register online at www.pharmalab-congress.com

Presentations/Certificate

The presentations will be made available to you prior to the Live Online Training as PDF files. After the event, you will automatically receive your certificate of participation.

Conference language

The official conference language will be English.

Organisation and Contact

ECA has entrusted Concept Heidelberg with the organisation of this event.

CONCEPT HEIDELBERG P.O.Box 10 17 64 69007 Heidelberg Germany

Phone +49(0)62 21/84 44-0 Fax +49(0)62 21/84 44 34 info@concept-heidelberg.de www.concept-heidelberg.de

For questions regarding content please contact:

Mr Axel H Schroeder (Operations Director) at +49 6221/84 44 10, or per

e-mail at schroeder@concept-heidelberg.de

For questions regarding organisation please contact:

Mr Ronny Strohwald (Organisation Manager) at +49 6221/84 44 51, or per

e-mail at strohwald@concept-heidelberg.de

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All personnel should be aware of the principles of Good Manufacturing Practice that affect them and receive initial and continuing training.

continuing training,...".
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Registration Options PharmaLab Live Online 2020

want to take part in: ☐ PharmaLab Live Online Conferences on 10 ☐ PharmaLab Live Online Conferences on 11		
With a one day ticket/two days ticket for the PharmaLab Live Online Conferences (10 Nov/11 Nov 2020) you can attend any Live Online Conference offered that day/both days		
We would appreciate it if you marked the cor Please also mark the day you plan on attendi		
□ ECA Live Online Conference: Endot □ ECA Live Online Conference: Labor □ ECA Live Online Conference: Challe □ Day 1 - from Bioassays to ATMP And □ I would like to attend on day 2 (11 Nov □ ECA Live Online Conference: Endot □ ECA Live Online Conference: Rapid	rember 2020) and I'm primarily interested in: toxin and Pyrogen Testing (Day 1) ratory Optimization enges in Bioanalytical and Analytical Laboratories alytics rember 2020) and I'm primarily interested in: toxin and Pyrogen Testing (Day 2) I Microbiological Methods and Mycoplasma Testing enges in Bioanalytical and Analytical Laboratories	
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- until 1 weeks prior to the conference 10 %
- until 1 weeks prior to the conference 50 %
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German law shall apply. Court of jurisdiction is Heidelberg

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