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Statistics for Microbiological Validation

29/30 June 2023, Marriott Hotel Heidelberg, Germany

A Post-Conference Workshop of the European Microbiology Conference
27/28 June 2023, Heidelberg

Overview

Abstract

For the validation of microbiological test methods several experiments must be performed to demonstrate that the new method is capable of detecting and counting organisms in test samples and at least as good as the compendial method. To quantify the performance, statistical methods form an indispensable tool. This workshop will provide information on the types of experiments and the statistical analyses that may be performed to estimate the validation parameters of the new alternative or rapid methods. The methods will be illustrated on real cases using software.

Target Audience

This conference is of interest to professionals in microbiology from

- Pharmaceuticals and Biopharmaceutical Companies
- Academic Research Institutions
- Government Agencies
- Contract Service Laboratories

who are involved in implementation and validation of microbiological test methods.

Please note that for the participation, a laptop is needed for the practical exercises.

Programme

General Part

- Guidelines
- Basic Statistics
- Measurement Analysis
- Equivalence
- Statistical Detection

Quantitative Methods

- Accuracy
- LOD & LOQ
- Linearity
- Precision

Qualitative Methods

- Accuracy
- (Generalized) Most Probable Number
- LOD
- Specificity

Speakers



Prof. Edwin van den Heuvel

University of Technology, Eindhoven, The Netherlands

Edwin van den Heuvel is Professor at the TU/e department of Mathematics and Computer Science.



Pieta IJzerman-Boon

MSD, The Netherlands

Pieta C. IJzerman-Boon currently works as a Principal Statistician at the Center for Mathematical Sciences.

Workshop Dinner

On 29 June, you are cordially invited to a conference dinner. This is an excellent opportunity to share your experiences with colleagues from other companies in a relaxed atmosphere.

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Join us for the European Microbiology Conference 2023 as well as the Post-Conference Workshop at a discount. Find out more about the Conference and register for one or both events by visiting www.microbiology-conference.org

Date

Thursday, 29 June 2023, 09.00 - 17.30 h
(Registration and coffee 08.30 - 09.00 h)
Friday, 30 June 2023, 08.30 - 13.00 h
All times mentioned are CEST

Contact

For questions regarding content:

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Fees (per delegate plus VAT)

ECA Members EUR 1,590.-
APIC Members EUR 1,690.-
Non-ECA Members EUR 1,790.-
EU GMP Inspectorates EUR 895.-

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