

Target Audience

Researchers in clinical microbiology and infectious diseases using epidemiological and statistical methods

Faculty Members

Marc Bonten, Utrecht, Netherlands
Aleksandra Barac, Belgrade, Serbia
Mariska Leeflang, Amsterdam, Netherlands
Leonard Leibovici, Petah-Tiqva, Israel
Pontus Naucner, Stockholm, Sweden
Mette Nørgaard, Aarhus, Denmark
Mical Paul, Haifa, Israel
Jesús Rodríguez-Baño, Seville, Spain
Marcela Krutova, Prague; Czech Republik
Martin Wolkewitz, Freiburg, Germany
Henri van Werkhoven, Utrecht, Netherlands
Luigia Scudeller, Bologna, Italy
Tanya Babich, Petah-Tigya, Israel

Venue

Hotel NH Collection Prague
Carlo IV
Senovážné náměstí
13/991
11000 Prague
Czechia

Contact

Contact (Scientific Programme)

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Administrative Secretariat

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 **ESGIE** ESCMID STUDY GROUP FOR INFECTIONS IN THE ELDERLY
European Society of Clinical Microbiology and Infectious Diseases

 **ESGBIES** ESCMID STUDY GROUP FOR BLOODSTREAM INFECTIONS, ENDOCARDITIS AND SEPSIS
European Society of Clinical Microbiology and Infectious Diseases

 **ESGCD** ESCMID STUDY GROUP FOR CLOSTRIDIUM DIFFICILE
European Society of Clinical Microbiology and Infectious Diseases

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ESCMID Postgraduate Education Course

Better methods for clinical studies in Infectious Diseases and Clinical Microbiology

Prague, Czech Republic
24 – 26 October 2023



ESCMID Postgraduate Education Course

Organisers
CMI

Other Organising Groups
ESGIE, ESGBIES, ESGCD

Course Coordinator
Marc Bonten, Utrecht, Netherlands

Course Objectives
The purpose of the workshop is provide the participants with tools on how to phrase a research question; choose the appropriate design and methods to address it; avoid biases; and write an optimal report. We will focus on new developments in methods, with a special emphasis on clinical trials, and use the participants' projects as examples.

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The European Clinical Research Alliance for Infectious Diseases - Ecraid - advances clinical research in the field of infectious diseases by establishing a long-term, financially self-sustainable, clinical research network in Europe.

 **ESCMID** EUROPEAN SOCIETY AND INFECTIOUS DISEASES

Course Programme

Tuesday, 24 October 2023

09:15 – 09:30 **Welcome: Why clinical research?**
Leonard Leibovici

09:30 – 10:30 **Research to improve patients' outcomes**
Marc Bonten

Chair
Track I
Mical Paul

11:00 – 12:00 **Systematic reviews and meta-analysis of interventions**
Mical Paul

12:00 – 13:00 **Systematic reviews of diagnostic tests**
Mariska Leeflang

12:15 – 12:45 **Exclusion of the most susceptible populations in clinical trials**
Mical Paul (Israel)

Chair
Track II
Leonard Leibovici

11:00 – 12:00 **How to do set-up a study on molecular epidemiology**
Marcela Krutova

12:00 – 13:00 **Advanced propensity scores**
Jesús Rodríguez-Baño

14:00 – 17:30 **Afternoon parallel workshops**
Randomized controlled trials
Marc Bonten, Mical Paul, Luígia Scudeller
Systematic reviews and meta-analysis
Mariska Leeflang, Leonard Leibovici
Analysis of clinical studies
Martin Wolkewitz, Aleksandra Barac, Mette Nørgaard

Wednesday, 25 October 2023

Chair
Track I
Jesús Rodríguez-Baño

09:15 – 10:00 **Introduction to logistic regression**
Mariska Leeflang

10:00 – 11:20 **Survival analysis and logistic regression**
Martin Wolkewitz

11:20 – 12:20 **Clues for improving observational studies**
Luígia Scudeller

Chair
Track II
Mette Nørgaard

09:15 – 10:15 **Use of large, national databases: pitfalls and caveats**
Mette Nørgaard

10:15 – 11:15 **Adaptive designs for randomized clinical trials**
Henri van Werkhoven

11:15 – 12:15 **Design of studies to evaluate diagnostic tests**
Aleksandra Barac

13:45 – 17:00 **Parallel workshops**
Analysis of large databases
Mette Nørgaard, Pontus Naucner, Marcella Krutova
Design of interventional studies
Henri van Werkhoven, Jesús Rodríguez-Baño
Survival analysis
Martin Wolkewitz, Aleksandra Barac, Mariska Leeflang

Thursday, 26 October 2023

Chair
Track I
Leonard Leibovici

08:15 – 09:15 **Why was my article rejected? Because of major methodological problems**
Leonard Leibovici

09:15 – 10:15 **Using stats as an MD: learning by mistake**
Marc Bonten

Chair
Track II
Pontus Naucner

08:15 – 09:15 **Analysis of vaccine effectiveness and impact**
Pontus Naucner

09:15 – 10:15 **Cluster-randomized controlled trials**
Henri van Werkhoven

10:45 – 13:00 **Parallel workshops**
Scientific writing and reporting
Mical Paul, Leonard Leibovici, Marc Bonten
Case-control studies
Pontus Naucner, Jesús Rodríguez-Baño, Luígia Scudeller
Design of randomised controlled trials
Marcella Krutova, Henri van Werkhoven

Organisation

Registration Procedure

Please register on the ESCMID website at www.escmid.org/education by 5 October 2023.

Registration fee

ONSITE

EUR 750 for ESCMID members
EUR 850 for all others

The registration fee includes accommodation for 3 nights, 2 lunches, 5 coffee breaks, educational material

No accommodation:
EUR 400 for ESCMID members
EUR 500 for non-ESCMID members

ONLINE

EUR 175 for ESCMID members
EUR 225 for non members

EUR 25 for ESCMID LMIC members
EUR 65 for ESCMID Young Scientist members

Attendance Grants

ESCMID provides a number of attendance grants for ESCMID 'Young Scientist' members. The Grant covers the registration fee.

ECRAID provides a number of attendance grants for 'Young Scientist' working in Intensive Care medicine. The Grant covers the registration fee and accommodation.

Applications for Attendance Grants have now closed.

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