Target Audience
Up to 70 persons performing clinical studies in clinical microbiology and infectious diseases, doctors, pharmacists, students and nurses.

Faculty Members
Marc Borten, Utrecht, Netherlands
Belen Gutierrez-Gutierrez, Seville, Spain
Benedikt Huttner, Geneva, Switzerland
Saskia le Cessie, Leiden, Netherlands
Marioka Lee, Amsterdam, Netherlands
Leonard Leibovici, Petah-Tiqva, Israel
Pontus Naucler, Stockholm, Sweden
Mette Nergaard, Aarhus, Denmark
Zaira Palacios Baena, Seville, Spain
Mical Paul, Haifa, Israel
Celine Pulcini, Nancy, France
Jesus Rodriguez-Baño, Seville, Spain
Evelina Tacconelli, Verona, Italy
Martin Volkewitz, Freiburg, Germany

Contact
Scientific Secretariat
Tanya Babich
Rabin Medical Center, Bellinson Hospital
University Research Center in Infectious Diseases
Jabotinsky St.
49100 Petah-Tiqva, Israel
Phone +972 393 765 12
tanyanao@gmail.com
Zaira Palacios Baena
Hospital Universitario Virgen Macarena
Department of Infectious Diseases and Clinical Microbiology
P.O. Box 3
Avda. Dr. Fedriani
41008 Seville, Spain
Phone +34 653 276 353
zaira.palacios.baena@hotmail.com

ESCMID Postgraduate Technical Workshop
Better Methods for Clinical Studies in Infectious Diseases and Clinical Microbiology:
a Hands-on Workshop

Seville, Spain
7 – 9 November 2018

Organizers
- ESCMID Study Group for Bloodstream Infections and Septic – ESGBIS
- ESCMID Study Group for Infections in the Elderly – ESGIE
- Trainee Association of ESCMID – TAE

Course Directors
- Leonard Leibovici, Petah-Tiqva, Israel
- Jesus Rodriguez-Baño, Seville, Spain

Course Objectives
Perfect methods in designing and performing randomized controlled trials, observational studies and systematic reviews/meta-analyses allow us to draw recommendations for better treatment of our patients. The purpose of the workshop is to 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. The morning will be dedicated to lectures from well-known experts in the field, divided into two tracks. In the afternoon we will hold interactive workshops, in which the participants will present their protocol or analysis of a research project. These will be commented on by faculty members and participants, and then will be open for discussion. The participants’ protocols will be sent beforehand to the commentators for written comments.
Course Programme

Wednesday, 7 November 2018
08:15 Registration
09:00 Trainee Association of ESCMID (TAE), promoting the involvement of ESCMID young members into science and profession, Zaira Patocis-Baena
09:15 Welcome: why methods? Why are we doing this? Jesús Rodríguez-Báñez
09:25 Why in Sevilla? Leonardo Leibovici
09:30 Randomized controlled trials on questions that really matter to patients, Marc Bonten
10:30 Coffee break

Parallel track I
Chair: Micol Paul
11:00 Systematic reviews and meta-analysis of interventions, Micol Paul
12:00 Meta-analysis: uses and misuses [mainly misuses], Evelina Tacconelli

Parallel track II
Chair: Leonardo Leibovici
11:00 Survival analysis taking into account competing risks, Martin Wolkewitz
12:00 Propensity scores: how to derive and how to use them, Santos le Cessie
13:00 Lunch

Afternoon parallel workshops 14:00 – 17:30
• Choice of outcomes in clinical research, Jesús Rodríguez-Báñez, Evelina Tacconelli
• Randomized controlled trials, Marc Bonten, Micol Paul
• Systematic reviews and meta-analysis, Marisela Leeflang, Leonardo Leibovici
• Survival analysis, Martin Wolkewitz, Santos le Cessie

Thursday, 8 November 2018
Parallel track I
Chair: Cécile Pulcini
08:15 Sample size analysis for observational studies, Santos le Cessie
09:15 Survival analysis, Martin Wolkewitz
10:15 Coffee break
10:45 Studies in antimicrobial stewardship and other complex intervention: what is the right methodology? Cécile Pulcini
11:45 Propensity scores: what are they? How to use them, Belén Gutiérrez-Gutiérrez

Parallel track II
Chair: Jesús Rodríguez-Báñez
08:15 How to improve the quality of evidence for interventions using observational designs [when RCT are not possible/not yet done], Jesús Rodríguez-Báñez
09:15 Confounding in observational studies based on large health care databases, Mette Nørgaard
10:15 Coffee break
10:45 Meta-analysis of observational studies, Micol Paul
11:45 Design of studies to evaluate diagnostic tests, Marisela Leeflang
12:45 Lunch

Afternoon parallel workshops
13:45 – 17:00
• Analysis of large databases, Mette Nørgaard
• Observational studies, Cécile Pulcini, Pantius Naucler
• Diagnostic systematic reviews and studies, Marisela Leeflang
• Sample size analysis, Santos le Cessie, Benedikt Huttner

Friday, 9 November 2018
Parallel track I
Chair: Leonard Leibovici
08:15 False positives: squandering resources – the statistics for sepsis example, Leonardo Leibovici
09:15 Choice of controls in case-control studies, Pantius Naucler

Parallel track II
Chair: Benedikt Huttner
08:15 How to deal with missing values, Benedikt Huttner
09:15 Immortal time bias: what is it and how to deal with it? Mette Nørgaard
10:15 Coffee break

Parallel workshops 10:45 – 13:00
• Use of multi-variable analysis, Santos le Cessie
• How to test complex interventions for infection control, Benedikt Huttner, Cécile Pulcini
• Case-control studies, Pantius Naucler, Micol Paul
• Design of observational studies, Leonardo Leibovici, Mette Nørgaard
13:00 Lunch and concluding remarks

Organization

Course Venue & Accommodation
Hotel Melia
Dr. Pedro de Castro, 1
41000 Seville, Spain

Registration Procedure
Register now online on the ESCMID website at www.escmid.org/education. Registration deadline is 28 September 2018.

Registration Fee
EUR 700 for ESCMID members (Full Membership/Young Scientist Membership)
EUR 800 for all others

The registration fee includes the teaching material, breakfasts, lunches, coffee breaks, dinner and two nights of accommodation. Travel is not included.

Attendance Grants
ESCMID provides a number of attendance grants for ESCMID “young scientist members”. The grant covers the registration fee. Travel is not included. Please apply via the ESCMID website at www.escmid.org/education before 17 August 2018. Applicants will be informed about their acceptance by 31 August 2018.

CME Accreditation
The course has been granted 15 European CME credits (EEMCE®) by the European Accreditation Council for Continuing Medical Education (EACME®).