Course Objectives
The intended audience consists of hospital physicians who often prescribe antibiotics such as specialists/residents in internal medicine, acute medicine and intensive care as well as beginning residents in infectious diseases and medical microbiology. The course addresses the basics of microbiology and antibiotic therapy and discusses the rationale behind therapeutic choices for the different major infectious syndromes in approximately 18 hours of classes. The lectures are interactive through a voting system with questions integrated in the presentations and rehearsal of the material at the end of each day. At the end of the second day, a selection of cases from participants will be presented by the participants and discussed. To optimize interaction, a maximum of 56 participants will be allowed, which are split up in two groups for half of the workshops.

After this course, the participants should:
• Understand and have a basic knowledge of the classification of bacteria and the spectra of different antibiotics.
• Understand the rationale behind the choice of antibiotic therapy for the different major infectious syndromes, i.e. urinary tract infection, pulmonary infection, skin and soft tissue infection, sepsis, catheter-related infection, bacteremia and sepsis, fever in neutropenic patients, endocarditis and systemic fungal infections.
• Be able to choose the appropriate (empiric) treatments in their own clinical setting.
• Be able to adapt the choice of antibiotics to common test/culture results and common antibiotic resistances.
Course Programme

**Thursday, 2 November 2017**
08:45 Registration
09:00 Welcome & introduction.
Miquel Ekkelenkamp
09:40 Antibiotics and principles of antibiotic stewardship.
Bojana Beovic
10:15 Bacteria and antibiotic spectrum.
Miquel Ekkelenkamp
10:45 PK/PD considerations.
Rafael Cantón
11:10 Break
11:30 Beta-lactam antibiotics.
David Ong
12:30 Resistance to beta-lactam antibiotics.
Miquel Ekkelenkamp
13:30 Lunch
14:45 Tetraacyclines, glycyclyclines, macrolides, clindamycin, rifampicin.
Patricia Ruiz Garbajosa
15:30 Respiratory infections.
Anna-Karin Smekal
16:30 Break
17:00 Fluoroquinolones, cotrimoxazole, nitrofurantoin, fosfomycin.
Bojana Beovic
17:45 Urinary tract infections.
Céline Pulcini
20:00 Dinner
21:00 Interactive questions.
Faculty panel and moderators
08:45 Registration
09:00 Welcome & introduction.
Miquel Ekkelenkamp
09:45 Aminoglycosides and polymyxins.
Rafael Cantón
10:30 Vancomycin, linezolid and daptomycin.
María Nuñez
11:15 Break
11:45 Intra-abdominal infections, Clostridium, metronidazole and fidaxomycin.
Jan Sinnerg
12:30 Infections with MDR organisms.
Céline Pulcini
13:30 Lunch
14:45 Sepsis and catheter-associated bacteraemia.
José Ramon Pardo
15:45 Case discussions by participants.
Faculty panel and moderators
16:45 Break
17:15 Case discussions by participants.
Faculty panel and moderators
21:00 Dinner in Madrid

**Friday, 3 November 2017**
09:00 Microbiological diagnostics.
Patricia Ruiz Garbajosa
09:45 Aminoglycosides and polymyxins.
Rafael Cantón
10:30 Vancomycin, linezolid and daptomycin.
María Nuñez
11:15 Break
11:45 Intra-abdominal infections, Clostridium, metronidazole and fidaxomycin.
Jan Sinnerg
12:30 Infections with MDR organisms.
Céline Pulcini
13:30 Lunch
14:45 Sepsis and catheter-associated bacteraemia.
José Ramon Pardo
15:45 Case discussions by participants.
Faculty panel and moderators
16:45 Break
17:15 Case discussions by participants.
Faculty panel and moderators
21:00 Dinner in Madrid

**Saturday, 4 November 2017**
09:00 Yeast and molds, antifungal agents.
Tjomme van der Bruggen
09:45 Treatment of systemic fungal infections.
To be confirmed
10:45 Break
11:15 Endocarditis.
Harald Seifert
12:00 Skin and soft tissue infections.
Pilar Retamar
13:00 Break
13:30 Interactive questions.
Faculty panel and moderators
14:25 Closing remarks.
Bojana Beovic
14:30 Lunch

Course Venue / Hotel
Hotel H10 Puerta de Alcalá
Alcalá, 66
28009 Madrid, Spain
Phone +34 914 35 10 60
Fax +34 914 35 11 05
reservas.hal@h10hotels.com

Registration Procedure
Register now online on the ESCMID website at www.escmid.org/education.
Registration deadline is 6 October 2017.

Registration Fee
EUR 775 for ESCMID members
(Full Membership/Young Scientist Membership)
EUR 800 for all others
The fee includes the sessions and workshops, course syllabus, three nights stay in the hotel (1–3 November 2017) and full board during the course. Participants arranging their own hotel are entitled to a EUR 250 discount (lunches and dinners still included). Travel is not included.

Attendance Grants
ESCMID provides a number of attendance grants for ESCMID “young scientist members”.
In order to be eligible for the attendance grant, the applicant has to present a clinical case which is suitable for discussion on antibiotic policies. In the grant application, a short outline of the case (150–250 words) needs to be submitted together with a CV and a motivation letter. The grant covers the registration fee. Travel is not included. Please apply via the ESCMID website at www.escmid.org/education before 1 September 2017. Applicants will be informed about their acceptance by 15 September 2017.

CME Accreditation
The organizers of the course will apply for European CME accreditation through EACCME.