Target Audience
Up to 50 clinical microbiologists, infectious diseases specialists or other healthcare professionals involved in management of infections due to carbapenem- and colistin-resistant Gram-negatives, such as Acinetobacter baumannii, Klebsiella pneumoniae and Pseudomonas aeruginosa.

Faculty Members
Anastasia Antoniadou, Athens, Greece
Alexander W. Friedrich, Groningen, The Netherlands
Tommaso Gianì, Siena, Italy
Paul Higgins, Cologne, Germany
Surbhi Malhotra-Kumar, Antwerp, Belgium
Luis Martinez-Martinez, Cordoba, Spain
Joseph Meletiadis, Athens, Greece
Jacob Moran-Gilad, Beer Sheva, Israel
Antonio Oliver, Palma, Spain
Angeliki Poulou, Serres, Greece
Spyros Pournaras, Athens, Greece
Laurent Poirol, Fribourg, Switzerland
Gian-Maria Rossolini, Florence, Italy
Haild Seifert, Cologne, Germany
Bhanu Sinha, Groningen, The Netherlands
Sophia Vourli, Athens, Greece.

Course Objective
Nosocomial infections due to multidrug-resistant Gram-negative pathogens currently represent a very significant public health issue in most countries worldwide. Particularly challenging are the diagnostic and treatment aspects of carbapenem- and/or colistin-resistant infections. In that respect, the prompt diagnosis of infections due to such pathogens and the accurate detection of their antibiotic resistance status are very important for the clinical microbiological laboratories.

This Postgraduate Educational Course will comprise state-of-the-art lectures dealing with phenotypic and molecular diagnostic approaches of multi-resistant nosocomial bugs, emphasizing on carbapenem- and colistin-resistant Gram-negatives, such as Acinetobacter baumannii, Klebsiella pneumoniae and Pseudomonas aeruginosa.
Course Programme

Thursday, 23 May 2019
09:00 Arrival and registration
09:30 Welcome and presentation of the course
  Surbhi Malhotra Kumar, Spyros Pournaras, Jacob Moren-Gilad
10:00 Resistance genes/phenotypes of ESBL-producing Enterobacterales
  Laurent Poiel
10:30 Resistance genes/phenotypes of carbapenem- and colistin-resistant Enterobacterales
  Laurent Poiel
11:00 Coffee break
11:30 Resistance genes/phenotypes of carbapenemase-producing and/or colistin-resistant A. baumannii
  Paul Higgins
12:00 Resistance genes/phenotypes of carbapenem-resistant P. aeruginosa
  Antonio Oliver
12:30 Lunch
13:30 Global dissemination of Carbapenemase-producing Gram-negatives
  Spyros Pournaras
14:00 Global Epidemiology of Clinical Infections due to Carbapenemase-producing Enterobacterales
  Anastasia Antoniadou
14:30 Global Epidemiology of Clinical Infections due to Carbapenemase-producing A. baumannii and P. aeruginosa
  Harold Seifert
15:00 Coffee break
15:30 Phenotypic detection of Beta-Lactam and carbapenem resistance mechanisms in Gram-negative pathogens
  Angeliki Poulou
16:00 Limitations of colistin resistance detection in Gram-negative pathogens
  Spyros Pournaras
16:30 PK/PD applications for the estimation of carbapenem and colistin activity against multi-resistant Enterobacterales
  Joseph Melioudis
17:00 Questions and answers
17:30 End of Day 1

Friday, 24 May 2019
09:30 Application of NGS to studying colistin resistance mechanisms in Gram-negative bacteria
  Tommaso Giani
10:00 The role of rapid diagnostics for antimicrobial stewardship and clinical consulting
  Bhanu Sinha
11:00 Active surveillance cultures for the control of carbapenem- and colistin-resistant Gram-negatives
  Gian-Maria Rossolini
11:30 Coffee break
12:00 Non-culture-assays for surveillance of carbapenem-resistant Gram-negatives
  Sophia Vourli
12:30 Infection control strategies for Infections due to Carbapenemase-producing Enterobacterales
  Anastasia Antoniadou
13:00 Infection control strategies for Infections due to Carbapenemase-producing A. baumannii
  Harold Seifert
13:30 Lunch
14:30 Syndromic panel-based molecular diagnostics for the detection of carbapenem-resistant Gram-negatives
  Gian-Maria Rossolini
15:00 Determining MDR-genotype links using WGS Resistome analysis
  Paul Higgins
15:30 Use of WGS of carbapenem-resistant Gram-negatives for the implementation of interventional microbiology
  Alexander W. Friedrich
16:00 Questions and answers, concluding remarks and farewell
16:30 End of the Course

Organization

Course Venue
Domotel Xenia Volos City Hotel

Registration Procedure
Register online at the ESCMID website at www.escmid.org/education. The registration deadline is 16 April 2019.

Registration Fee
• EUR 500 for ESCMID members
• EUR 600 for all others

The registration fee includes the scientific sessions, teaching material, coffee breaks and lunches; travel and accommodation will not be included.

Attendance Grants
ESCMID provides a number of attendance grants for ESCMID “young scientist members”. The grant covers the registration fee, but not travel or accommodation costs. Please apply via the ESCMID website at www.escmid.org/education before 16 March 2019. Applicants will be informed about their acceptance by 30 March 2019.

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

Partner Hotels (preferential rates available)

- Domotel Xenia Volos City Hotel
  - Single Rooms City View: 75€/room night
  - Double Rooms Sea or City View: 95€/room night

- Park Hotel Volos
  - Single Room: 50€/room night
  - Double Room: 70€/room night

- Anastel Hotel
  - Single Room: 35€/room night
  - Double Room: 50€/room night