Strategy for rapid identification of carbapenemase producers in Enterobacteriaceae

Target Audience
- Full course (including afternoon practical): 30 clinical microbiologists and infectious disease specialists, industry partners.
- Mini course (morning lectures only, without afternoon practical): 60 clinical microbiologists and infectious disease specialists, industry partners.

Faculty Members
- Sandra Asner, Lausanne, Switzerland
- Thierry Calandra, Lausanne, Switzerland
- Giuseppe Cornaglia, Verona, Italy
- Bruno Fantin, Clichy, France
- Christian G. Giske, Stockholm, Sweden
- Gilbert Greub, Lausanne, Switzerland
- Patrice Nordmann, Fribourg, Switzerland
- Laurent Poirot, Fribourg, Switzerland
- Céline Pulcini, Nancy, France
- Roger Stephan, Zurich, Switzerland
- Andreas F. Widmer, Basel, Switzerland

2. Molecular biology


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Emerging Antibiotic Resistance in Gram-Negative Bacteria: Problems and Solutions

Fribourg, Switzerland
14 – 15 September 2017

Contact

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Course Programme

Thursday, 14 September 2017

09:45 Welcome. Patrice Nordmann
10:00 ESBL-producing Enterobacteriaceae. Christian G. Giske
10:30 Discussion
10:40 Carbapenemase-producing bacteria: epidemiology. Giuseppe Cornaglia
11:00 Carbapenemase-producing bacteria: genetic transmission. Laurent Poirel
11:20 Discussion
11:30 Pan-aminoglycoside resistance. Patrice Nordmann
12:00 Discussion
12:10 Lunch
14:00 Polymyxin resistance. Laurent Poirel
14:30 Discussion
14:40 Genomics for analyzing antibiotic-resistant bacteria. Gilbert Greub
15:10 Discussion
15:20 Emerging antibiotic resistance in the environment and in animals. Roger Stephan
15:40 Discussion
15:50 Coffee break
16:10 Rapid diagnostics of emerging antibiotic resistances. Patrice Nordmann
16:40 Discussion
16:30 End of meeting

Friday, 15 September 2017

08:45 Animal models of infections with antibiotic-resistant bacteria. Bruno Fantin
09:15 Discussion
09:25 Isolation and decontamination of colonized patients with antibiotic-resistant Gram-negatives. Andreas F. Widmer
09:55 Discussion
10:05 Coffee break
10:20 Treatment of infections due to antibiotic-resistant bacteria. Céline Pulcini
10:40 Discussion
10:50 Novel antibiotic molecules. Sandra Asner
11:20 Novel non-antibiotic-based strategies. Thierry Calandra
11:50 Discussion
12:00 Lunch
13:00 Practical lab: rapid diagnostic tests and screening techniques for detection of emerging antibiotic-resistant bacteria
   • ESBL-producing bacteria
   • Carbapenemase-producing bacteria
   • Polymyxin-resistant Enterobacteriaceae
   • Pan-aminoglycoside resistant bacteria
16:30 End of meeting

Organization

Course Venue
University of Fribourg
Albert Gockel 3
1700 Fribourg, Switzerland

Registration Procedure
Register now online on the ESCMID website at www.escmid.org/education. Registration deadline is 15 July 2017.

Registration Fee
Package 1 (theoretical teaching and practical lab)
EUR 600 for ESCMID members (Full Membership/Young Scientist Membership)
EUR 700 for all others
The registration fee covers the teaching material (handout, laboratory materials), lunches, coffee breaks and one social dinner. Travel and accommodation are not included.

Package 2 (theoretical teaching only)
EUR 500 for ESCMID members (Full Membership/Young Scientist Membership)
EUR 600 for all others
The registration fee covers the teaching material (handout), lunches, coffee breaks and one social dinner. Travel and accommodation are not included.

Attendance Grants
ESCMID provides a number of attendance grants for ESCMID “young scientist members”. The grant covers the registration fee [package 1]. Travel and accommodation are not included. Please apply via the ESCMID website at www.escmid.org/education before 16 June 2017. Applicants will be informed about their acceptance by 30 June 2017.

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