Course Programme

Tuesday, 28 March 2017
12:00 Welcome and registration.
The diagnosis of BSI: the classical approach I Chair: Mark Essen-van A vvendel
14:00 Blood culture: from theoretical aspects to best practice guidelines. Brigitte Lamy
14:40 Candidaemia and invasive candidiasis: BC and beyond. Mark Essen-van A vwendel
15:20 Contaminants in BC, importance, implications, interpretation and prevention. Sylvie Dargère
15:50 Coffee break
Strategies to improve the quality of BC based diagnosis Chair: Yehuda Carmeli
16:15 Shorten delays to get results: a hospital-level organisational approach. The experience of Montpellier’s hospital. David Morquin
16:55 Blood culture pre-analytic quality management in the era of norm 15189. Brigitte Lamy
17:20 Strategies to improve quality of management: how to perform better and faster II Chair: Yehuda Carmeli
17:55 Difference in habits of culturing and their impact on BSI detection. Yehuda Carmeli
18:30 Dinner
20:30 Dinner

Wednesday, 29 March 2017
08:30 Strategy to improve BSI diagnosis in haematology cancer patients: which methods and what timing for what performances? Malgorzata Mikulska
09:00 News on BSI in transplant patients. Jordi Carratala
09:30 Coffee break
Advanced technologies: how to perform better and faster I Chair: John W. A. Rossen
09:00 Phenotypic methods from positive BC bottles: where we are and where we are going – a critical analysis of the current and next generation rapid methods. Gregory Dubourg, Raymond Roymy
10:00 Genotypic methods from positive BC bottles: a critical analysis of the current and next generation rapid methods. John W. A. Rossen
11:00 Coffee break
Advanced technologies: how to perform better and faster II Chair: John W. A. Rossen
11:30 Detect BSI quickly and identify pathogens with culture-free methods: the dream, reality or future? Elena Jiménez-Lucitén
12:00 Rapid methods: what is the impact on patient management? Martin Sundqvist
12:30 Lunch
Advanced technologies: what to expect for BSI diagnostic within 5 years Chair: Frédéric Laurent
13:40 How to implement? An ID perspective vs a microbiologist perspective. John W. A. Rossen, ID specialist to be confirmed
15:00 Now and costly ... not for any patient! The medico-economic perspective I: straitly the likelihood of bacteriaemia to improve the cost/ benefit-escalation of advanced technologies? Strengths and weaknesses of models for predicting bacteriaemia. Leonar Daré
15:30 Now and costly ... not for any patient! The medico-economic perspective II: how to perform better and faster? A health economist perspective. Ruhi Günter-Citarkeva, Grégoire Mercuri
16:30 Coffee break
17:00 Staphylococcal coagulase in neonatal sepsis in NIDUs: from the local epidemiology to a worldwide endemcity... from ward to pathophysiology. Frédéric Laurent
18:00 End of day – social activity
20:30 Dinner

Thursday, 30 March 2017
08:30 What to expect from NGS for bloodstream infections I Chair: Francois Vandenesch
08:45 Is NGS for BSI diagnosis and resistance detection realistic? Myths and real-life applications in a next future. To be confirmed
09:30 NGS for understanding global epidemics. Mijo Grundmann
10:15 Coffee break
What to expect from NGS for bloodstream infections II Chair: Mijo Grundmann
10:45 NGS for understanding local epidemics. Evane Zeev
11:15 NGS for understanding microbial virulence in BSI and infective endocarditis. Stephaphylococcus aureus as a test case. Francois Vandenesch
12:00 Lunch
Central line-associated BSI: I new concepts, new approaches, and news from biofilms 2 Chair: Jean-Marc Grapo
13:30 New aspects of bloodstream pathogenesis - implications for device-associated BSI management. Jean-Marc Grapo
14:15 CLABSI pathogen detection methods and consequences for management. Andreas F. Wildner
15:00 Where is differential time to positivity most relevant for catheter-related infection – if at all? Achim Kaasch
15:25 Focus: will biofilm concepts change the diagnostic approach of CLABSI pathogen detection? Thomas Bjarnsholt
15:50 Coffee break
Central line-associated BSI and news from biofilms II: impact of new concepts on treatment management Chair: Thomas Bjarnsholt
16:15 From bloodlilm tests to treatments: the anti-infective lock techniques. David Lebeaux
17:00 What is the place for biofilm antimicrobial susceptibility testing for choosing anti-infective locktherapy and antimicrobial therapy? Thomas Bjarnsholt
17:45 End of day
Friday, 31 March 2017
08:30 BSI in special patient groups – bridging lab and clinical expertise I Chair: Motzpatka Mikulsko
08:30 Strategy to improve BSI diagnosis in haemotology cancer patients: which methods and what timing for what performances? Malgorzata Mikulska
09:00 News on BSI in transplant patients. Jordi Carratala
09:30 Coffee break
BSI in special patient groups – bridging lab and clinical expertise II Chair: Francesco Giuseppe De Rosa
10:20 Pathogen viability versus DNA detection in excised heart valves – consequences for therapy duration. Pierre Tattevin
10:50 Is there a consensus about pathogen detection targets and methods in culture-negative endocarditis? Pierre-Edouard Fourrier
11:15 Early dynamics of microbial load, persistent bacteriaemia and prognosis in patients with endocarditis. Achim Kaasch
11:45 Course evaluation
12:15 Questions, feedback, certificates
12:30 Closing lunch
13:00 End of meeting and departure
Improving the Diagnosis of Bloodstream Infections – Advancing Technology and Quality for Better Care

**Organizer**
ESCMI Postgraduate Education Course

**Co-Organizers**
ESCMI Fungal Infection Study Group (ESFG)
ESCMI Study Group for Bloodstream Infections and Sepsis (ESGBIS)
ESCMI Study Group for Epidemiological Markers (ESGEM)
ESCMI Study Group for Molecular Diagnostics (ESGMD)
ESCMI Study Group for Staphylococci and Staphylococcal Diseases (ESGS)

**Course Coordinators**
Yehuda Carmeli, Tel Aviv, Israel
Brigitte Lamy, Nice, France
Frederic Laurent, Lyon, France

**Target Audience**
20 – 60 microbiologists and infectious disease specialists who want to get updated knowledge of the theoretical and practical aspects of current and advanced diagnosis and management of bloodstream infection (BSI).

**Invited Faculty Members**
Maiken Cavling Arendrup, Copenhagen, Denmark
Patrick Baqué, Nice, France
Thomas Bjarnsholt, Copenhagen, Denmark
Emilio Bouza, Madrid, Spain
Yehuda Carmeli, Tel Aviv, Israel
Jordi Carratalá, Barcelona, Spain
Sylvie Dargère, Caen, France
Francesco Giuseppe De Rosa, Torino, Italy
Gregory Dubourg, Marseille, France
Pierre-Edouard Fournier, Marseille, France
Jean-Marc Ghigo, Paris, France
Hajo Grundmann, Freiburg, Germany
Inaki Gutierrez-Ibarluzea, San Sebastian, Spain
Elena Jordana-Lucht, Nottingham, United Kingdom
Achim Kaasch, Cologne, Germany
Frederic Laurent, Lyon, France
David Lebeaux, Paris, France
Leonard Leibovici, Petah-Tiqva, Israel
Grégoire Mercier, Montpellier, France
Malgorzata Mikulska, Genoa, Italy
David Morquin, Montpellier, France
John W. A. Rossen, Groningen, Netherlands
Raymond Ruimy, Nice, France
Martin Sundqvist, Örebro, Sweden
Estée Torok, Cambridge, United Kingdom
Francois Vandenesch, Bron, France
Andreas F. Widmer, Basel, Switzerland

**Course Venue**
Hôpital L’Archet 2
151, Route de Saint Antoine de Ginestière
06200 Nice, France

**Accommodation**
New York Hotel
44, Avenue Marechal Foch
06000 Nice, France
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**Registration Procedure**
Register now online on the ESCMID website at www.escmid.org/education. Registration deadline is 28 February 2017.

**Registration Fee**
- **EUR 750** for ESCMID members (Full Membership/Young Scientist Membership)
- **EUR 950** for non-ESCMID members

The registration fee includes 3 nights of accommodation, lunches, coffee breaks, teaching materials and social activities (includes one dinner). 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 27 January 2017. Applicants will be informed about their acceptance by 10 February 2017.

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