Target Audience
20 – 25 clinical microbiologists, infectious diseases specialists and technicians interested in anaerobes.

Faculty Members
Diane Citron, Culver City, CA, United States
Georg Conrads, Aachen, Germany
Alex Friedrich, Groningen, Netherlands
Hermie Harmsen, Groningen, Netherlands
Elisabeth Nagy, Szeged, Hungary
Alewijn Ott, Groningen, Netherlands
John Rossen, Groningen, Netherlands
Haroun Shah, London, United Kingdom
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Course Objectives
Learn how to deal with anaerobes:
• diagnostics
• sampling and culturing
• molecular detection
• antibiotic resistance
• pathogenesis
• MALDI-TOF MS

Organizers
• ESCMID Study Group for Anaerobic Infections (ESGAI)
• ESCMID Study Group for Epidemiological Markers (ESGEM)
• University Medical Center Groningen (UMCG)
• University of Szeged

Course Coordinators
• Hermie Harmsen, Groningen, Netherlands
• Elisabeth Nagy, Szeged, Hungary
• Arie Jan van Winkelhoff, Groningen, Netherlands
• Linda Veloo, Groningen, Netherlands

Scientific picture outside: MALDI-TOF MS spectra, © Linda Veloo
Scientific picture inside: agar plate, © Linda Veloo

Contact
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ESCMID Postgraduate Technical Workshop
Anaerobic Bacteria: Next Generation Technology Meets Anaerobic Diagnostics
Groningen, Netherlands
26 – 28 September 2016
Course Programme

Monday, 26 September 2016
Morning session: Introduction
09.00 Opening of the course.
Alex Friedrich
09.15 The normal anaerobic human microbiome.
Hermie Harmsen
09.45 The clinical relevance of anaerobic bacteria.
Elisabeth Nagy
10.30 Coffee break
10.45 How to isolate and maintain anaerobic bacteria.
Linda Veloo
11.15 The driving force behind radical taxonomic changes in the Bacteroidaceae.
Haroun Shah
12:00 Lunch
Afternoon session: Identification
13.00 The phenotypic identification of anaerobic bacteria.
Diane Citron
14.00 Practicals
16.00 End of day

Tuesday, 27 September 2016
Morning session: Specific groups
09.00 The role of oral pathogens in non-oral infections.
Arie Jan van Winkelhoff
09.30 Gram-positive anaerobic cocci: clinical relevance, taxonomy, identification and antibiotic resistance.
Linda Veloo
10.00 Actinomyces in human infections.
To be confirmed
10.30 Coffee break
10.45 Clostridium difficile infections: epidemiology, diagnostics and therapy.
Edit Urban
11.15 Intra-abdominal infections.
Alewijn Ott
11.45 Female genital tract infections: role of anaerobes.
Elisabeth Nagy
12:15 Lunch break
Afternoon session: Molecular techniques
13.00 Molecular genetic methods in diagnostics of anaerobes.
Georg Conrads
13.30 Whole genome sequencing and molecular typing in anaerobes.
John Rassam
14.00 MALDI-TOF MS for the identification of anaerobic bacteria.
Linda Veloo
14.30 Coffee break
14.45 Bio-informatics (workshop)
17.00 End of day

Wednesday, 28 September 2016
Morning session: Antibiotics
09.00 Antibiotic therapy and the development of resistance in anaerobic infections.
Rik Winter
09.45 The influence of the gut microbiota on our health.
Hermie Harmsen
10.15 Antibiotic susceptibility testing: which method to choose?
Diane Citron
11.00 Coffee break
11.15 Emerging resistance among anaerobes.
To be confirmed
12.00 Lunch break
Afternoon session:
13.00 Poster presentations by the participants and drinks
15.00 End of day

Organization

Course Venue
University Medical Center Groningen
Hanzeplein 1
9713 GE Groningen
Netherlands

Registration Procedure
Register now online on the ESCMID website at www.escmid.org/education.
Registration deadline is 30 August 2016.

Registration Fee
EUR 800 for ESCMID members
(Full Membership/Young Scientist Membership)
EUR 900 for all others

The fee includes the scientific sessions, coffee breaks, 3 lunches and 2 dinners.
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.
Travel and accommodation are not included.
Please apply via the ESCMID website at www.escmid.org/education before 5 August 2016.
Applicants will be informed about their acceptance by 19 August 2016.

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