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
Alex Jan Ott, Groningen, Netherlands
John Rossen, Groningen, Netherlands
Haroun Shah, London, United Kingdom
Edit Urban, Szeged, Hungary
Linda Veloo, Groningen, Netherlands
Arie Jan van Winkelhoff, Groningen, Netherlands
Rik Winter, Groningen, Netherlands

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

Course Objectives
Learn how to deal with anaerobes:
• diagnostics
• sampling and culturing
• molecular detection
• antibiotic resistance
• pathogenesis
• MALDI-TOF MS

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

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

**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 van Winkelhoff
- 09:30 Gram-positive anaerobic cocci: clinical relevance, taxonomy, identification and antibiotic resistance.  
  Linda Veloo
- 10:00 Actinomycetes in human infections.  
  To be confirmed

**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 Rasson
- 14:00 MALDI-TOF MS for the identification of anaerobic bacteria.  
  Linda Veloo

**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

**Afternoon session: Poster presentations by the participants and drinks**
- 13:00
- 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  
(Total 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 EACCME.