



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
 Edit Urban, Szeged, Hungary
 Linda Veloo, Groningen, Netherlands
 Arie Jan van Winkelhoff, Groningen, Netherlands
 Rik Winter, Groningen, Netherlands

Contact

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



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ESCMID Postgraduate
 Technical Workshop

Anaerobic Bacteria: Next Generation Technology Meets Anaerobic Diagnostics

Groningen, Netherlands
 26 – 28 September 2016



ESCMID Postgraduate
 Technical Workshop

Anaerobic Bacteria: Next Generation Technology Meets Anaerobic Diagnostics

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

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 Rossen
- 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 GZ 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 EACCME.

