



Target Audience

Up to 20 clinical microbiologist in training or already working with anaerobes.

Faculty Members

Georg Conrads, Aachen, DE
Mike Cox, Morgan Hill, US
John Degener, Groningen, NL
Inge Gyssens, Nijmegen, NL
Eija Könönen, Helsinki, FI
Ed Kuijper, Leiden, NL
Willem Manson, Groningen, NL
Elisabeth Nagy, Szeged, HU
Carl Erik Nord, Stockholm, SE
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Edit Urban, Szeged, HU
Arie Jan van Winkelhoff, Groningen, NL
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Contact

Administrative Secretariat

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Pictures inside:

Mixed anaerobic culture and working in an anaerobe chamber.



ESCMID Postgraduate
Technical Workshop

**Role of Anaerobic Bacteria
in Infections: Diagnostics,
Antibiotic Resistance,
New Therapeutic Options**

**Groningen,
The Netherlands
22 – 27 March 2010**



ESCMID Postgraduate Technical Workshop

Role of Anaerobic Bacteria in Infections: Diagnostics, Antibiotic Resistance, New Therapeutic Options

Organizers

- Institute of Clinical Microbiology, University of Szeged, HU / National Reference Laboratory for Anaerobes, HU
- Department of Medical Microbiology, University Medical Center, Groningen, NL
- ESCMID Study Group for Antimicrobial Resistance in Anaerobic Bacteria (ESGARAB)
- ESCMID Study Group for *Clostridium difficile* (ESGCD)

Course Coordinators

- Professor Elisabeth Nagy, Szeged, HU
- Professor John Degener, Groningen, NL

Course Content

Theoretical background:

- Importance of anaerobic bacteria in the normal flora of the human body
- Main clinical situations in which anaerobic bacteria may play a pivotal role in the development and outcome of infections
- Discuss special infections where anaerobes are isolated less frequently in routine laboratories (bacterial vaginosis and consequences, chronic prostatitis, diabetic foot infections, infections of the oral cavity, periodontitis as a focal infection, Lemierre's syndrome, etc.)
- Update information about the emerging infection caused by *Clostridium difficile*
- Changes in the taxonomy of anaerobic bacteria
- Classical and new methods to isolate and identify human pathogenic anaerobes
- Molecular methods and their place in diagnostics of anaerobic infections
- Antibiotic resistance and the spread of resistance genes among anaerobic bacteria
- Selection and use of antibiotics in treating infections involving anaerobes

Practical experience:

- How to handle clinical material for successful pathogen isolation
- Importance of media and incubation circumstances for successful anaerobes detection
- Use of colony microscope and phase-contrast microscopy, value of Gram-staining
- Subculture suspected anaerobic bacteria from a mixed primary culture
- Simple tests in the identification of anaerobes, value of identification kits
- Molecular techniques in identification of anaerobes
- Toxin detection of *Clostridium difficile* by different methods
- Antibiotic resistance determinations, problems with disc test and micro-broth dilution methods
- Use of The Anaerobe Educator, a computer-based teaching programme

Organization

Course Venue

Department of Medical Microbiology, University Medical Center, Groningen, The Netherlands.

Application Procedure

The application form can be found on the ESCMID website at www.escmid.org/education. Please return it to the course administrative secretariat by 15 February 2010. Please also send an abstract (maximum 300 words) about your experience in the field. Selected abstracts will be presented during the course.

Registration Fee

EUR 850

The fee includes the scientific sessions, printed course material, lunches and coffee breaks, but not travel and accommodation.

Attendance Grants

ESCMID provides a number of attendance grants for young attendees (born in 1970 or later) covering the registration fee, but not travel or accommodation costs. Please apply via the ESCMID website at www.escmid.org/education before 1 February 2010. If there are more applicants than available grants, preference will be given to ESCMID members. Applicants will be informed about their acceptance by 15 February 2010.

CME Accreditation

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