

Course Programme

Monday, 30 October 2017

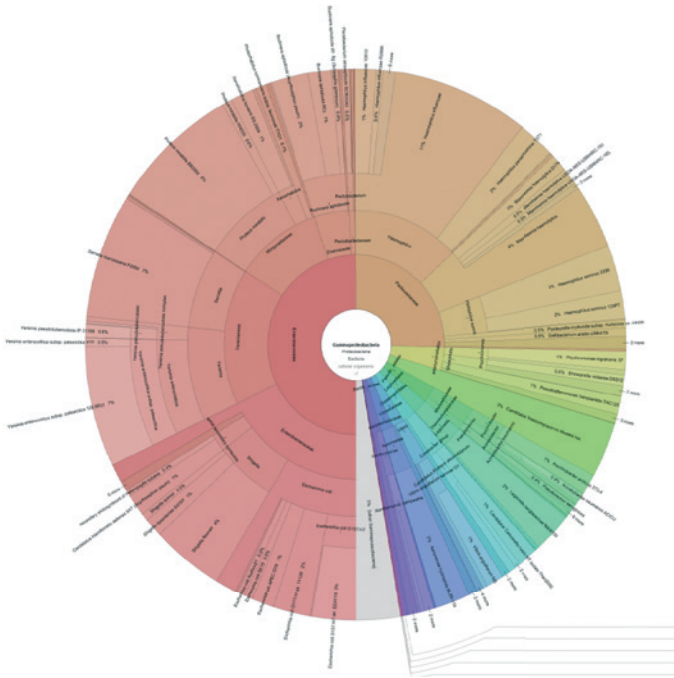
08:00 – 09:00	Registration
09:00 – 09:30	Welcome and introduction of the Study Groups. <i>ESGMD and ESGEM representatives</i>
09:30 – 10:15	Overview of next-generation sequencing and new technologies in medical microbiology. <i>Alexander Friedrich</i>
10:15 – 11:00	The basics of NGS I – overview of sequencing platforms and related equipment. <i>Eric Claas</i>
11:00 – 11:30	Coffee break
11:30 – 12:15	The basics of NGS II – nucleic acid extraction and library preparation for microbial NGS. <i>John Rossen</i>
12:15 – 13:00	Interactive discussion I – how to set up wet NGS in the hospital microlab? <i>Panel of faculty members;</i> moderator: <i>Alexander Friedrich</i>
13:00 – 14:00	Lunch
14:00 – 14:45	Overview of molecular typing approaches for bacterial pathogens. <i>João André Carriço</i>
14:45 – 15:30	Advanced NGS I – how to infer clinically relevant information from bacterial whole-genome sequences? <i>Jacob Moran-Gilad</i>
15:30 – 16:00	Coffee break
16:00 – 17:30	Advanced NGS II – bacterial typing applications using NGS. <i>Dag Harmsen</i>

Tuesday, 31 October 2017

08:30 – 08:45	Summary of day 1
08:45 – 09:15	Case presentation I – NGS application for multi-resistant Gram-negative rods. <i>Colin Mackenzie</i>
09:15 – 09:45	Case presentation II – NGS application for hospital outbreaks. John Rossen
09:45 – 10:30	Metagenomics I – NGS application for microbiome analysis. <i>Paul Savelkoul</i>
10:30 – 11:00	Coffee break
11:00 – 11:45	Metagenomics II – applications in water systems. <i>Maria Luisa Ricci</i>
11:45 – 12:30	Metagenomics III – applications in environmental surveillance of resistance. <i>Eddie Cytryn</i>
12:30 – 13:30	Lunch
13:30 – 14:15	Metagenomics IV – application for forensic microbiology. <i>Amparo Fernandez Rodriguez</i>
14:15 – 15:00	Industry talks. <i>To be confirmed</i>
15:00 – 15:30	Case presentation III – NGS applications for One Health challenges. <i>Jacob Moran-Gilad</i>
15:30 – 16:15	Interactive discussion II – interpretation of NGS findings – the clinical point of view. <i>Panel of faculty members;</i> moderator: <i>Dag Harmsen</i>
16:15 – 17:00	Interactive discussion III – quality issues in implementing new technology in the microlab. <i>Panel of faculty members;</i> moderator: <i>Eric Claas</i>
18:00 – 22:00	Social event and dinner

Wednesday, 1 November 2017

08:30 – 08:45	Summary of day 2
08:45 – 09:30	Bioinformatics I – international databases of genomes and genes, quality issues of bacterial genomes. <i>João André Carriço</i>
09:30 – 10:30	Interactive discussion IV – I have sequenced a bacterial genome – what is next? <i>Panel of faculty members;</i> moderator: <i>João André Carriço</i>
10:30 – 11:00	Coffee break
11:00 – 11:45	Bioinformatics II – graphical representation of WGS analysis. <i>João André Carriço</i>
11:45 – 12:30	Considerations in publication of NGS-based studies – reflections from Eurosurveillance. <i>Ines Steffens</i>
12:30 – 13:00	Concluding remarks & farewell



Organization

Course Venue

Daniel Herzliya Hotel
60 Ramat Yam
46851 Herzliya Pituah, Israel

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Registration Procedure

Register now online on the ESCMID website at www.escmid.org/education.
Registration deadline is 29 September 2017.

Registration Fee

- EUR 500 for ESCMID members (Full Membership/Young Scientist Membership)
- EUR 650 for all others

The fee includes the full scientific programme, coffee breaks, lunches, social activity and the conference dinner. 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 16 August 2017. Applicants will be informed about their acceptance by 30 August 2017.

CME Accreditation

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