

EUCIC Certificate Programme

**Laboratory and clinical aspects of the surveillance of
healthcare-associated infections: a theoretical and
practical approach**

**Athens,
Greece
21 – 23 January**



Laboratory and clinical aspects of the surveillance of healthcare-associated infections: a theoretical and practical approach

Athens, Greece



Faculty Members

Greece	Katerina Argyraki
Netherlands	Erik Bathoorn
Greece	Dimitrios Bassoulis
Greece	Maria Gamaletsou
Greece	Achilleas Gikas
Greece	Flora Kontopidou
Greece	Evdoxia Kyriazopoulou
Greece	Vasiliki Mamali
Greece	Joseph Meletiadis
Germany	Nico Mutters
Greece	Maria Orfanidou
Greece	Aristotelis Papadimitriou
Greece	Joseph Papaparaskevas
Greece	Maria Pirounaki
Sweden	Diamantis Plachouras
Greece	Lida Politi
Greece	Kyriaki Ranellou
Greece	Maria Siopi
Greece	Nikolaos Sipsas
Greece	Flora Sourri
Cyprus	Nikolaos Spervovasilis
Greece	Andronikos Spyrou
Greece	Petroula Stamataki
Greece	Kalliopi Theodoridou
Greece	Athanasios Tsakris
Cyprus	Constantinos Tsioutis
Greece	Sofia Vourli
Greece	Georgia Vrioni

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Day I - 21 January 2027

	Goals and principles of surveillance Location: The Golden Age Hotel Chairs: Athanasios Tsakris & Achilleas Gikas
08.45 – 09.00	Opening session and welcome
09.00 – 09.30	Healthcare-associated infections and antimicrobial resistance: challenges for modern healthcare and the role of the EUCIC program Nico Mutters
09.30 – 10.00	Infection prevention and control: the current European perspective and the importance of behavioral changes of healthcare stakeholders Constantinos Tsioutis
10.00 – 10.30	Surveillance of antimicrobial resistance in Greece Athanasios Tsakris
10.30 – 11.00	Break
	Chairs: Nico Mutters & Constantinos Tsioutis
11.00 – 11.30	Organizing and implementing national surveillance programs. Challenges and perspectives Flora Kontopidou
11.30 – 12.00	Surveillance systems and networks at the European level Diamantis Plachouras
12.00 – 12.30	Automated surveillance and use of artificial intelligence (AI) in Infection prevention and control Nikolaos Spervovasilis
12.30 – 12.45	Session discussion and questions
12.45 – 13.00	Break
	Surveillance of antimicrobial use and antimicrobial stewardship issues Location: The Golden Age Hotel Chairs: Nikolaos Sipsas & Georgia Vrioni
13.00 – 13.30	Surveillance of antimicrobial consumption Andronikos Spyrou
13.30 – 14.00	Surveillance of antifungal use in Europe Dimitrios Bassoulis
14.00 – 14.30	Antimicrobial and antifungal stewardship in practice Maria Gamaletsou
14.30 – 14.45	Session discussion and questions
14.45 – 15.30	Lunch Break
	Preparing a hospital-wide Point Prevalence Survey (PPS) of HAIs, collecting and analyzing PPS results Location: The Golden Age Hotel Chairs: Diamantis Plachouras & Nikolaos Spervovasilis
15.30 – 16.00	Organizational issues, preparation and data collection in PPS surveys Petroula Stamataki
16.00 – 16.30	Case definitions for common HAIs (BSI, UTI, PN, SSI) Flora Sourri
16.30 – 17.00	Learning from previous European PPSs: Best practices in data collection and reporting Aristotelis Papadimitriou
17.00 – 17.15	Session discussion and questions

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Day 2 – 22 January 2027

Hands-on training in implementing a real-life point prevalence survey (PPS) of HAIs and antimicrobial use at “Laiko General Hospital” and “Hippokrateio General Hospital”
Location: Laiko General Hospital, Hippokrateio General Hospital
Coordinators: Nikolaos Sipsas, Maria Pirounaki, Georgia Vrioni, Nikolaos Spervovasilis, Diamantis Plachouras & Constantinos Tsioutis

08:15 – 08:30	Gathering and departure for hospitals Location: The Golden Age Hotel
09:00 – 14:30	Small groups of trainees collect patient data on hospital wards under the supervision of infection control specialists
15:00 – 16:00	Lunch Break (The Golden Age Hotel)
	Surveillance of HAIs in specific areas Location: The Golden Age Hotel Chairs: Ahilleas Gikas & Maria Pirounaki
16.00 – 16.30	Surveillance of HAIs in intensive care units Evdoxia Kyriazopoulou
16.30 – 17.00	Surveillance of HAIs in surgical units Katerina Argyraki
17:00 – 18.00	Team discussion and validation of collected data

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Athens, Greece

Day 3 – 23 January 2027

The role of microbiology support for Healthcare-Associated Infections & Antimicrobial Resistance surveillance Location: The Golden Age Hotel Chairs: Erik Bathoorn & Georgia Vrioni	
09:00 – 09:30	Conventional microbiology in health care-associated infection surveillance and antimicrobial resistance detection Maria Orfanidou
09:30 – 10:00	Diagnostic stewardship: the contribution of molecular assays Joseph Papaparaskevas
10:00 – 10:30	The role of clinical laboratories in the surveillance of viral infections: principles and practice Kyriaki Ranellou
10:30 – 11:00	Break
Chairs: Maria Orfanidou & Vasiliki Mamali	
11:00 – 11:30	NGS applications in the management of healthcare-associated infections Erik Bathoorn
11:30 – 12:00	MALDI-TOF in infection prevention and control: diagnostic and surveillance applications Georgia Vrioni
12:00 – 12:30	<i>Candidozyma auris</i> as a model for emerging pathogen surveillance: the essential role of the clinical laboratory Lida Politi
12:30 – 13:00	Break
13:00 – 15:00	Practical lab demonstrations about different diagnostic techniques for rapid identification of MDR bacteria and fungi in clinical microbiology (In small groups of 12 – 30 minutes each) Conventional methods for MDR gram-negative bacteria – Vasiliki Mamali/ Sofia Vourli Antifungal susceptibility testing for <i>Candidozyma auris</i> – Joseph Meletiadis / Maria Siopi
15:00 – 16:00	Lunch Break
16:00 – 16:30	Written assessment Coordinators: Georgia Vrioni & Kalliopi Theodoridou
16:30	Evaluation of the program, discussion, and conclusions

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Faculty members

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Diamantis Plachouras	Professor, Group Leader Surveillance Antimicrobial Resistance and Healthcare-Associated Infection Section, ECDC, Sweden

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Programme

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