



**EUCIC Certificate Programme**

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

**Athens, Greece  
22 - 25 January 2025**



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

Athens, Greece

**Faculty Members**

Greece	<b>Katerina Argyraki</b>
Netherlands	<b>Erik Bathoorn</b>
Greece	<b>Maria Gamaletsou</b>
Greece	<b>Achilleas Gikas</b>
Greece	<b>Evangelos Kritsotakis</b>
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Greece	<b>Joseph Meletiadis</b>
Germany	<b>Nico Mutters</b>
Greece	<b>Maria Orfanidou</b>
Greece	<b>Joseph Papaparaskevas</b>
Greece	<b>Maria Pirounaki</b>
Sweden	<b>Diamantis Plachouras</b>
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Cyprus	<b>Nikolaos Spernovasilis</b>
Greece	<b>Petroula Stamataki</b>
Sweden	<b>Carl Suetens</b>
Italy	<b>Evelina Tacconelli</b>
Greece	<b>Kalliopi Theodoridou</b>
Greece	<b>Athanasios Tsakris</b>
Cyprus	<b>Constantinos Tsioutis</b>
Greece	<b>Paraskevi Varda</b>
Netherlands	<b>Andreas Voss</b>
Greece	<b>Sofia Vourli</b>
Greece	<b>Georgia Vrioni</b>

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



Athens, Greece

## Day 1 Wednesday, 22 January 2025

### Goals and principles of surveillance

**Location:** The Golden Age Hotel

**Chairs:** Athanasios Tsakris & Achilleas Gikas

09:00 - 09:15	<b>Opening session and welcome</b>
09:15 – 09:45	<b>Infection prevention and control: the current European perspective</b> Evelina Tacconelli
09:45 – 10:15	<b>Challenges of healthcare-associated infections (HAI) &amp; antimicrobial resistance (AMR) for modern healthcare – the role of EUCIC program</b> Nico Mutters
10:15 – 10:45	<b>Organizing and implementing national surveillance programs. Challenges and perspectives</b> Athanasios Tsakris
10:45 – 11:15	<b>Healthcare-associated infection surveillance systems and networks at the European level</b> Diamantis Plachouras
<b>11:15 – 11:45</b>	<b>Break</b>
	<b>Surveillance of specific areas and antimicrobial use, and antimicrobial stewardship issues</b> <b>Location:</b> The Golden Age Hotel <b>Chairs:</b> Nikolaos Sipsas & Georgia Vrioni
11:45 – 12:15	<b>Surveillance of HAIs in intensive care units</b> Constantinos Tsioutis
12:15 – 12:45	<b>Surveillance of HAIs in surgical units</b> Katerina Argyraki
12:45 – 13:15	<b>Surveillance of antimicrobial consumption</b> Nikolaos Spervovasilis
13:15 – 13:45	<b>Antimicrobial stewardship: practical applications</b> Maria Gamaletsou
13:45 – 14:00	<b>Session discussion and questions</b>
<b>14:00 – 15:00</b>	<b>Lunch</b>
	<b>Preparing and performing a hospital-wide point prevalence survey (PPS) of HAIs and antibiotic use</b> <b>Location:</b> The Golden Age Hotel <b>Chairs:</b> Constantinos Tsioutis & Diamantis Plachouras
15:00 – 15:30	<b>Organizational issues, preparation and data collection in PPSs</b> Petroula Stamataki
15:30 – 16:00	<b>Case definitions for common HAIs (BSI, UTI, PN, SSI)</b> Paraskevi Varda
16:00 – 16:30	<b>Surveillance data management with ECDC software HELICSWin.Net</b> Diamantis Plachouras

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**Day 2 Thursday, 23 January 2025**

**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 Spernovasilis, Diamantis Plachouras & Constantinos Tsioutis

09:00 – 14:30	<b>Small groups of trainees collect patient data on hospital wards under the supervision of infection control specialists</b>
<b>14:30 – 15:30</b>	<b>Lunch</b>
15:30 – 17:30	<b>Team discussion and validation of collected data</b>

**Day 3 Friday, 24 January 2025**

**Data for action: analyzing, interpreting, communicating surveillance results**

**Location:** The Golden Age Hotel

**Chairs:** Evangelos Kritsotakis & Achilleas Gikas

09:00 - 10:00	<b>Analyzing data from PPS – presentation of results and practical issues</b> Evangelos Kritsotakis
10:00 – 10:30	<b>How to communicate, report, publish and use PPS results</b> Carl Suetens
10:30 – 11:00	<b>Session discussion and questions</b>
<b>11:00 – 11:30</b>	<b>Break</b>
11:30 – 13:00	<b>Designing a HAI surveillance programme: multidimensional perspectives on design, data analysis and practical utility</b> <i>Discussion with faculty members and attendees</i> Evangelos Kritsotakis & Achilleas Gikas
	<b>Lecture</b> <b>Location:</b> The Golden Age Hotel <b>Chairs:</b> Athanasios Tsakris
13:00 – 13:30	<b>Automated surveillance and use of artificial intelligence in Infection Prevention Control</b> Andreas Voss
<b>13:30 – 14:30</b>	<b>Lunch</b>
15:30	<b>Visit to the Acropolis Museum (TBC)</b>

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### Day 4 Saturday, 25 January 2025

#### The role of clinical microbiology laboratory in HAI & AMR surveillance

**Location:** Department of Microbiology, Medical School, University of Athens

**Chairs:** Georgia Vrioni & Maria Orfanidou

09:00 - 10:00	<b>The role of the clinical laboratory in supporting HAI surveillance and detection of AMR by phenotypic and molecular assays</b> Maria Orfanidou – phenotypic methods Joseph Papaparaskevas – molecular methods
10:00 – 10:30	<b>Diagnostic stewardship activities in virology</b> Kyriaki Ranellou
<b>10:30 – 11:00</b>	<b>Break</b>
11:00 – 11:30	<b>Molecular epidemiology in the management of HAIs</b> Erik Bathoorn
11:30 – 12:00	<b>MALDI-TOF technology: its role in diagnosis and surveillance</b> Georgia Vrioni
12:00 – 12:30	<b>Emerging pathogens' surveillance and the role of clinical laboratory: the example of Candida auris</b> Lida Politi
<b>12:30 – 13:00</b>	<b>Break</b>
13:00 – 14:30	<b>Practical lab demonstrations about different diagnostic techniques for rapid identification of MDR bacteria and fungi in clinical microbiology</b> (In small groups of 12 – 30 minutes each) <b>Phenotypic methods for MDR gram-negative bacteria</b> – Vasiliki Mamali/ Sofia Vourli <b>MALDI-TOF technology</b> – Georgia Vrioni / Kalliopi Theodoridou <b>Antifungal susceptibility testing for Candida auris</b> – Joseph Meletiadis / Maria Siopi
<b>14:30 – 15:30</b>	<b>Lunch</b>
15:30 – 16:30	<b>Written assessment</b> <b>Coordinators:</b> Georgia Vrioni & Kalliopi Theodoridou
16:30	<b>Evaluation of the program, discussion, and conclusions</b>

Programme

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