



**L-Università ta' Malta**  
Faculty of Health Sciences



Co-funded by  
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ERASMUS+ BLENDED INTENSIVE PROGRAMME (BIP)

# Antimicrobial Stewardship: Managing Antibiotic Resistance

UNIVERSITY OF MALTA | 27-31 MAY 2024

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# Antimicrobial Stewardship: Managing Antibiotic Resistance

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Welcome to the course on **Antimicrobial Stewardship: Managing Antibiotic Resistance**.

This programme is a collaborative effort by the University of Malta with the support of Brunel University, London, UK and other HEI including: Metropolia UAS, Finland; Haute Ecole de Namur-Liege-Luxembourg, Henallux Belgium; University of Primorska, Slovenia; and Università degli Studi di Milano, Italy.

*Below is the course programme for the intensive week in Malta.*

## COURSE VENUE

Campus Hub – Blk O Lvl 5,  
University of Malta, Msida  
Malta, MSD 2080

## PARTICIPATING UNIVERSITIES

University of Malta (*coordinator*)  
University of Milan, Italy  
Metropolia University of Applied Sciences, Helsinki, Finland

University of Primorska, Izola, Slovenia  
Haute École de Namur, Henallux, Belgium  
Brunel University, London, UK

## FACULTY MEMBERS

Prof. Michael Borg  
Dr Enrique Castro Sanchez  
Dr Rosario Caruso  
Dr Maria Cassar  
Ms Claire Farrugia  
Prof. Darja Maganja

Prof. Helena Skocir  
Prof. Charmaine Gauci  
Ms Anna-Kaisa Partanen  
Dr Ermira Tartari  
Dr Peter Zarb  
Ms Tiina Varamäki

## GUEST SPEAKERS

Prof. Susan Gennaro  
Prof. Teddie Potter  
Prof. Renzo Guinto



## PARTICIPATION REQUIREMENTS

Registered healthcare professionals in possession of MQF Level 6 qualification  
Award – 5 ECTS

## INTENSIVE WEEK PROGRAMME

### DAY 1 | MONDAY 27 MAY 2024

## Behaviour change and communication

Session chairs: **Ermira Tartari, Rosario Caruso**

### LEARNING OBJECTIVES

- Understand the role of cultural and behavioural determinants in Infection Prevention and Control (IPC) and Antimicrobial Stewardship (AMS)
- Understands the role of behaviour change methods in AMS
- Can recognize the facilitators and barriers to ASPs and is able to address them
- Is capable of teamwork, understands the principles of team dynamics
- Can communicate with all stakeholders involved in AMS including hospital authorities and primary teams

09:00 – 09:30	<b>REGISTRATION</b>
09:30 – 10:00	<b>Ice-breakers</b> – <i>Coffee Break served at Campus Hub on the 03rd floor</i>
10:00 – 11:00	<b>Cultural and behavioural determinants in IPC and Antimicrobial Stewardship practices</b> <i>Prof. Michael Borg (Malta)</i>
11:00 – 11:30	<b>Antimicrobials – quality of care and common patient safety issues</b> <i>Anna Partanen, Tiina Varamaki (Finland)</i>
11:30 – 12:30	<b>Group work</b>
12:30 – 13:30	<i>Lunch at Il-Kantin, University Canteen</i>
13:30 – 14:30	<b>University of Malta campus tour and library tour</b>
14:45 – 15:15	<b>Implementation and behaviour change in AMS; facilitators and barriers to antimicrobial stewardship programme – sharing the UK example</b> <i>Enrique Castro Sanchez (UK)</i>
15:15 – 15:30	<b>Group discussion</b>
15:30 – 16:00	<i>Coffee break served at Campus Hub on the 03rd floor</i>
16:00 – 16:15	<b>Inter-professional communication with stakeholders involved in AMS</b> <i>Rosario Caruso (Malta)</i>
16:15 – 17:15	<b>Group work discussion:</b> Inter-professional communication with stakeholders involved in AMS
17:15	<b>Closing session</b>
18:00 – 19:30	<b>Welcome dinner at Cafe Cuba at Campus Hub</b>

## Antimicrobial Resistance, Antimicrobial Stewardship Interventions

Session chairs: **Darja Maganja, Helena Skocir**

### LEARNING OBJECTIVES

- Understand the modes of transmission of microorganisms and antimicrobial resistance
- Understand how to achieve maximal control of infection, especially the control of infections with multidrug-resistant organisms (MDROs) and AMR
- Knows the principles of point-prevalence survey, is able to organize it, interpret its results and use them to plan and evaluate the AMS interventions

09:00 – 09:30	<b>Antimicrobial resistance, principles of transmission dynamics</b> <i>Dr Rodianne Abela (Malta)</i>
09:30 – 10:00	<b>Developing National Action Plans for AMR, Global Point Prevalence studies. What does the future hold for AMR?</b> <i>Dr Peter Zarb (Malta)</i>
10:00 – 10:30	<i>Coffee break served at Campus Hub on the 03rd floor</i>
10:30 – 11:00	<b>Implementation of an AMR quality improvement initiative – How would you convince the leadership for change?</b> <i>Claire Farrugia (Malta)</i>
11:30 – 12:00	<b>Successful antimicrobial stewardship interventions in Finland</b> <i>Anna Partanen, Tiina Varamaki (Finland)</i>
12:00 – 13:00	<i>Lunch served at Campus Hub on the 03rd floor</i>
13:00 – 14:30	<b>Group work discussion:</b> Panel of experts and students
14:30 – 17:30	<b>Valletta Walking City Tour including visit to Sir Temi Zammit Lab and St John's Co-Cathedral</b> <i>Coach departs from Campus Hub at 14:30. Own way back from Valletta.</i>

## Patient and Civic Society Engagement

Session chairs: **Enrique Castro Sanchez, Rosario Caruso**

### LEARNING OBJECTIVES

- Understand the principles and importance of person-centered care in the context of AMS, recognizing the unique needs of patients.
- Learn how to engage and empower patients in the decision-making process related to AMR and AMS, fostering a collaborative healthcare approach.
- Understand the role of health literacy skills and awareness of the role of civil society in AMR awareness and advocacy, promoting informed patient choices and community engagement.
- Enhance communication skills for healthcare professionals to effectively convey the significance of antimicrobial stewardship to patients and civil society, emphasizing their role in promoting responsible antibiotic use and advocating for policy changes.

<b>09:00 – 09:30</b>	<b>Active patient engagement – successful implementation activities</b> <i>Rosario Caruso</i>
<b>09:30 – 09:45</b>	<b>The role of the patient in preventing Healthcare-Associated Infections and AMR</b> <i>Ermira Tartari</i>
<b>09:45 – 10:00</b>	<b>A patient shared experience</b> <i>Gavin Schranz</i>
<b>10:00 – 10:30</b>	<b>Discussion</b>
<b>10:30 – 11:00</b>	<i>Coffee break served at Campus Hub on the 03rd floor</i>
<b>11:00 – 17:00</b>	<b>Independent study</b> Students work in groups independently in preparation for Thursday presentations
<b>17:00 – 21:45</b>	<b>Birgu Mysto History Tour</b> <i>Coach outside Campus Hub departs at 17:00. Returns back to Campus Hub at 21:45</i>

## Student lead presentations

Session chairs: **Anna-Kaisa Partanen, Tiina Varamäki**

### LEARNING OBJECTIVES

- Learn how climate change and AMR demonstrate the “tragedy of the commons,” where individual and collective interests conflict, leading to resource depletion.
- Assess the effectiveness of policy measures and community actions in addressing the impacts of climate change and AMR, exploring both current strategies and potential innovative solutions.

<b>09:00 – 09:30</b>	<b>Climate change and antimicrobial resistance...tragedies of the commons</b> <i>Enrique Castro Sanchez</i>
<b>09:30 – 10:00</b>	<b>Group discussion</b>
<b>10:00 – 10:30</b>	<i>Coffee break served at Campus Hub on the 03rd floor.</i>
<b>10:30 – 14:30</b>	<b>Student presentations</b>
<b>17:00 – 22:30</b>	<b>Mdina and Rabat tour followed up by Farewell Dinner</b> <i>Coach outside Campus Hub departs at 17:30. Return back to Campus Hub at 22:30</i>

## **Leadership, policy and political commitment to combat AMR**

Session chairs: **Ermira Tartari, Enrique Castro Sanchez**

### **LEARNING OBJECTIVES**

- Understands the role of leadership in AMS
- Understands the governance framework of the organization related to ASP
- Knows the structures (AMS committee, AMS team) needed for AMS implementation and can contribute to their organization in practice
- Understands the legal and ethical issues of AMS in a specific setting

<b>09:00 – 09:30</b>	<b>Discussion with Faculty Members</b>
<b>09:30 – 10:00</b>	<b>The role of public health in AMR</b> <i>Director General, Superintendent, Prof. Charmaine Gauci</i>
<b>10:00 – 10:30</b>	<i>Coffee break served at Campus Hub on the 03rd floor</i>
<b>10:30 – 11:00</b>	<b>Evaluation and Focus Group Discussion</b>
<b>11:00 – 12:00</b>	<b>Evaluation and Focus Group Discussion</b>
<b>12:00 – 13:00</b>	<i>Take away lunch box (To be eaten outside the classroom premises)</i>
<b>13:00 – 14:00</b>	<b>Leadership and patient safety</b> <i>Prof. Sandra Buttigieg (Malta)</i>
<b>14:00 – 14:15</b>	<b>Conclusive remarks</b>

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*The programme is subject to change. Please always refer to the university emails for any updates that will be sent.*