IPI Academy

MANAGEMENT forum



*Presented by*
**Management Forum**

# Antimicrobial Resistance (AMR) and 'One Health': Current Challenges, Regulatory Frontiers and Future Solutions

**9 June 27**
+ 8 December 27

This course will allow participants to explore the regulatory landscapes governing AMR, discover innovative solutions and understand the challenges AMR poses across different sectors.

**Format:**
Live online

**CPD:**
6 hours for your records

Certificate of completion

# Course overview

**Antimicrobial resistance (AMR) has emerged as a daunting global challenge, threatening to undermine decades of medical advancements.** It occurs when microorganisms such as bacteria, viruses, fungi, and parasites no longer respond to antimicrobial drugs, rendering treatments ineffective. This phenomenon jeopardises our ability to treat infections, leading to longer illnesses, increased mortality, and soaring healthcare costs. AMR's impact extends beyond human health; it affects veterinary medicine, agriculture, and the environment, creating a complex, interconnected 'One Health' crisis.

This comprehensive course delves into the intricacies of antimicrobial resistance (AMR) through the lens of the 'One Health' framework. Participants will gain insight into the regulatory landscapes governing AMR, understand the multifaceted challenges posed by AMR across different sectors, and explore innovative solutions, including alternatives to antibiotics like microbiome-derived antimicrobials and policy approaches. The course is designed to foster a holistic understanding of how human, animal, and environmental health are interconnected in the fight against AMR.

## Benefits of attending

- **Gain** a thorough understanding of AMR and the 'One Health' approach, including regulatory mechanisms and future trends
- **Learn** about current and emerging regulations related to AMR at national and international levels
- **Explore** real-world examples of current research and development in alternative treatments and AMR management and discover innovative solutions for tackling this global issue, including cutting-edge research on microbiome-derived antimicrobials, phages and phytogenics
- **Participate** in Q&A sessions, interactive discussions and case studies, connecting with professionals across various sectors
- **Collaborate** on developing imaginative solutions and novel approaches to tackle AMR

## Who should attend?

- Pharmaceutical, biopharma and biotech professionals working in drug development, especially in antibiotics and AMR-related products
- Professionals involved in creating or implementing health and safety regulations
- Those working in animal health and interested in the impact of AMR on veterinary medicine
- Individuals focused on the environmental aspects of AMR
- Those studying AMR, 'One Health', or related fields
- Doctors, nurses, pharmacists, and other medical staff interested in AMR management
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# Programme

**Introduction to AMR, 'One Health' and antibiotic resistance**

- Fundamental concepts of AMR and the 'One Health' framework
- Overview of antibiotic resistance mechanisms

**Current regulatory landscape of AMR**

- Examination of current regulations and policies on AMR at various levels
- Discussion on the role of regulatory bodies

**Cross-sector challenges and strategic approaches**

- Challenges in integrating human, animal and environmental health strategies
- Strategic approaches to AMR across sectors

**Emerging alternatives to antibiotics, case studies and practical solutions**

- Presentation of real-world case studies in AMR management
- Discussion of practical solutions and participant questions
- Exploring alternatives to traditional antibiotics, including microbiome-derived antimicrobials and phytogenics

**Discussing case studies in communities that can be used to decrease AMR**

- Interactive case studies illustrating successful community initiatives and how these can be expanded to be utilised globally

**Creative solutions and approaches to tackling AMR**

- Discussion on innovative and creative approaches to AMR management using breakout rooms

# Presenter



**Linda Oyama**

Linda Oyama is a microbiologist and lecturer at the School of Biological Sciences and Institute for Global Food Security, Queen's University Belfast, with a first-class Microbiology degree and a PhD in Biological Sciences.

Linda's research interests centre on understanding antimicrobial resistance (AMR) in microbiomes from a 'One Health; perspective through surveillance and epidemiological studies using meta-omics approaches. She aims to tackle AMR through the discovery and development of novel treatment options for various clinical and veterinary multidrug resistant (MDR) infections.

Linda is a pioneer and executive group member of the UK Young Academy. She leads the AMR Hub at QUB and the Futures AMR Network (FAN), a UKRI funded 'Transdisciplinary Network to Tackle Antimicrobial Resistance' across human and livestock systems, whose vision is to harness young talent for innovation in tackling the AMR challenge with the support of world- leading AMR experts. She has an infectious, positive personality and a passion for the support and development of others, being always ready to help.

# Course dates

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| **9 June 27** | **Live online**<br>08:30-17:00 **UK (London)** (UTC+01)<br>*Course code 17226* | GBP **649** ~~749~~<br>EUR **909** ~~1,049~~<br>USD **1,043** ~~1,199~~<br>**Until 14 Apr** |
| **8 December 27** | **Live online**<br>08:30-17:00 **UK (London)** (UTC+00)<br>*Course code 17573* | GBP **649** ~~749~~<br>EUR **909** ~~1,049~~<br>USD **1,043** ~~1,199~~<br>**Until 13 Oct** |

## How to book

**Online:**
ipi.academy/2800

Alternatively contact us to book, or if you have any queries:

**Email:**
info@ipiacademy.com

**Phone:**
+44 (0)20 7749 4749

## Discounts

- Booking more than one delegate on any one date qualifies for a **30% discount** on the second and subsequent places.
- Most events qualify for an **early booking discount** prior to 6 weeks before the course date. Be sure to check on our website, where the latest discounts will be shown.

## Further information

**Fee**
The fee includes all meals and refreshments for the duration of the course (for venue-based courses) and a complete set of course materials (provided electronically). If you have any particular requirements, please advise customer services when booking.

**Please note**
IPI Academy (and our training partners) reserve the right to change the content and timing of the programme, the speakers, the date and venue due to reasons beyond their control. In the unlikely event that the course is cancelled, we will refund the registration fee and disclaim any further liability.

**Terms and conditions**
The rest of the our terms, the event cancellation policy and the terms and conditions are on our website, please visit ipi.academy/content/terms-and-conditions

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IPI Academy

IPI Academy is a training initiative of Falconbury and Management Forum; leading providers of industry training for over 30 years, based in the UK.

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