



# 2022 World Antimicrobial Awareness Week:

Preventing antimicrobial resistance together. NOVEMBER 18 - 24

## THE PROBLEM

Lack of awareness

- AMR is happening here and now. It is one of the biggest threats to global health, food security and development today.
- The COVID-19 pandemic left us even more vulnerable to AMR.
- Misuse and overuse of antimicrobials in humans, animals, and the environment are accelerating the development and spread of AMR worldwide.
- The challenges of AMR are complex and multifaceted, but they are not insurmountable.

## OUR RESPONSE

AMR Education

The Global Health Impact Group (GHIG) and the Global Health Continuing Professional Development program (GHCPD), in collaboration with the International Diagnostics Centre at the London School of Hygiene and Tropical Medicine (IDC/LSHTM), supported by an unrestricted educational grant from bioMérieux, is providing a free online course covering the role of the microbiology laboratory in the fight against AMR.

Education is needed across all levels of the health sector if we want to improve AMR awareness. This course covers the basic principles and applications of AMR microbiology laboratory techniques to promote best practices that will support AMR surveillance and guide antibiotic use in clinical medicine.

## Get Involved

For more information: [dboeras@globalhealthig.com](mailto:dboeras@globalhealthig.com)

Created by: Debi Boeras, PhD

Created by: Rosanna Peeling, PhD



# Course Format

- Mini lectures by global and regional faculty
- Animations explaining principles of laboratory assays
- Videos demonstrating laboratory methods
- Interviews with antimicrobial stewards
- Quizzes to reinforce key points
- Self-study of key publications
- Discussions with faculty and other learners
- Networking among participants
- References and resources
- Case studies representing real world situations and learning experiences

This unique course advocates for a culture of continuous learning and uses e-learning to allow you to learn at your own pace. A certificate will be provided after you have completed the course.

Courses are offered in English, Spanish, and Portuguese with regional faculty and mentors. A French course is coming soon.



## Week 1

### **The Role of the Microbiology Laboratory in the Fight Against AMR**

The global crisis of AMR and the cost of inaction

Role of the laboratory in the AMR response and surveillance

The impact of the COVID-19 pandemic on AMR

## Week 2

### **The AMR Laboratory: Antibiotic susceptibility and resistance testing for clinical care**

Mechanisms of antimicrobial resistance and spread

Methods for determining antibiotic susceptibility and detection of resistance

The clinician-laboratory interface

## Week 3

### **Role of the Laboratory in the Prevention and Control of AMR in Healthcare Settings**

The laboratory in screening and monitoring healthcare-associated infections (HAIs)

One Health, an integrated approach to AMR control in human, animal and environments

The AMR laboratory: Quality management and data sharing  
Professional development and culture of continuous learning

# Who's taking our courses?

## English Courses

1,125 Enrolled  
# Countries participating = 106



## Spanish Courses

257 Enrolled  
# Countries participating = 32



## Portuguese Courses

257 Enrolled  
# Countries participating = 32



\* A French course is coming soon.

## PROFESSIONAL DEMOGRAPHICS



### Collaborations with professional organizations

GHIG worked with with faculty from Latin America, Africa and Asia to develop curriculum relevant to their learners and local needs. The courses were launched with support from professional organizations and educational institutions



### English

GHCPD and the International Diagnostics Centre at the London School of Hygiene and Tropical Medicine (IDC/LSHTM) bring you this free 3-week online course covering the microbiology laboratory in the fight against AMR.

### Spanish

La Universidad Privada San Juan Bautista, junto con el programa GHCPD y IDC/LSHTM, ofrecen este curso en línea gratuito de 3 semanas que abarca el papel que tiene el laboratorio de microbiología en la lucha contra la RAM.

### Portuguese

GHCPD, em colaboração com o ALADDiV e o IDC/LSHTM, convidam você a participar do curso online gratuito de 3 semanas sobre testes laboratoriais de microbiologia na luta contra a RAM (Resistência antimicrobiana).

### French

\*Bientôt disponible

L'Institut Pasteur Dakar, en collaboration avec le GHCPD et le Centre international de diagnostic de l'École d'hygiène et de médecine tropicale de Londres (IDC/LSHTM) vous présentent ce cours en ligne gratuit de 3 semaines sur le rôle du laboratoire de microbiologie dans la lutte contre la RAM.

Visit our other courses at

**GHCPD**

If you would like more information, please contact us at: [info@globalhealthig.com](mailto:info@globalhealthig.com)

Thank you.

