

1<sup>st</sup> INTERNATIONAL  
**EICA E-LEARNING  
COURSE**

**ANTIMICROBIAL  
RESISTANCE  
AND THE ROLE  
OF VACCINES**

**ONLINE  
FROM APRIL 2020  
TO APRIL 2021**

**EICA**  
European Interdisciplinary  
Council on Ageing

 Venice  
International  
University

Endorsed by

  
EuGMS  
European Geriatric Medicine Society  
Promoting geriatric medicine across Europe



IAGG-ER  
International Association  
of Gerontology and Geriatrics  
for the European Region

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International  
Federation on  
Ageing



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## **ANTIMICROBIAL RESISTANCE: A WORLDWIDE PUBLIC HEALTH THREAT**

- Antimicrobial resistance: an historical overview
- The current worldwide situation and causes of antimicrobial resistance
- A new issue: falsified medicines and antimicrobial resistance

*George Griffin*

*Vincent Jarlier*

*Yves Juillet*

## **ANTIMICROBIAL RESISTANCE: A PLANETARY HEALTH ISSUE**

- The use of antibiotics in food-producing animals and alternative approaches
- Agri-food chain and antimicrobial resistance; the importance of farmer, farm advisor and veterinarian behaviour

*Giuseppina Avantaggiato*

*Lynn Frewer*

## **ANTIMICROBIAL RESISTANCE: MECHANISMS AND SURVEILLANCE**

- The main mechanisms of emergence and spread of antimicrobial resistance
- Prioritization of prevention: public health vaccine program decision making

*Stephan Harbarth*

*Justin Ortiz*



## VACCINES TO FIGHT ANTIMICROBIAL RESISTANCE

- The alternatives to antibiotics
- The existing vaccines and the fight against antimicrobial resistances (NOT ACCREDITED)
- The latest vaccine innovations to fight antimicrobial resistance (NOT ACCREDITED)

*Paolo Bonanni*

*Mark Doherty*

*Giuseppe Del Giudice*

## PRIORITIZING VACCINES AGAINST ANTIMICROBIAL RESISTANCE

- Impacts of Flu vaccines on antimicrobial resistance
- Impacts of Pneumococcal conjugate vaccines on antimicrobial resistance
- An emerging new vaccine: Clostridium difficile

*Giovanni Gabutti*

*Henri van Werkhoven*

*Eduard Kuijper*

## WHICH EFFORTS ARE NEEDED TO DECREASE ANTIMICROBIAL RESISTANCE

- Considerations by the old population and the media of antimicrobial use and antimicrobial resistance
- Role of the pharmacists in education, awareness and tools for prescribers and users
- The future of vaccines

*Barbro Westerholm*

*Gonçalo Sousa Pinto*

*Jos Van der Meer*



## FACULTY

- **Giuseppina Avantaggiato** *Italy*
- **Paolo Bonanni** *Italy*
- **Giuseppe Del Giudice** *Italy*
- **Mark Doherty** *USA*
- **Lynn Frewer** *United Kingdom*
- **Giovanni Gabutti** *Italy*
- **George Griffin** *United Kingdom*
- **Harbarth Stephan** *Switzerland*
- **Vincent Jarlier** *France*
- **Yves Juillet** *France*
- **Eduard Kuijper** *Netherlands*
- **Stefania Maggi** *Italy*
- **Jean-Pierre Michel** *Switzerland*
- **Justin Ortiz** *USA*
- **Gonçalo Sousa Pinto** *Portugal*
- **Jos Van der Meer** *Netherlands*
- **Henri van Werkhoven** *Netherlands*
- **Barbro Westerholm** *France*

## SCIENTIFIC ORGANIZATION

### **EICA**

European Interdisciplinary  
Council on Ageing


### SCIENTIFIC COMMITTEE

**Prof. Stefania Maggi**, EICA  
**Prof. Jean-Pierre Michel**, EICA

### **C.M.E.**


10 C.M.E. credits

### **C.M.E. PROVIDER**

 **aristea education**

Via Roma, 10 • 16121 Genova • Italy  
Tel. +39 010 553591 • Fax (+39) 010 5535970  
E-mail [education@aristea.com](mailto:education@aristea.com)  
Web [www.aristeaeducation.it](http://www.aristeaeducation.it)

### ORGANIZING SECRETARIAT

 **aristea**

Via Roma, 10 • 16121 Genova • Italy  
Tel. +39 010 553591 • Fax (+39) 010 5535970  
E-mail [genova@aristea.com](mailto:genova@aristea.com)  
Web [www.aristea.com](http://www.aristea.com)