

CO-ORGANIZED BY



FONDAZIONE  
INTERNAZIONALE  
MENARINI

FONDAZIONE INTERNAZIONALE MENARINI SERIES ON ANTIBIOTICS



From February 22<sup>nd</sup> to December 31<sup>st</sup>, 2021

*What we need to know  
for winning the battle  
against Superbugs?*

**Prof. Matteo Bassetti**

Infectious Diseases Clinic, University of Genoa,  
Hospital Policlinico San Martino – IRCCS, Genoa, Italy



**DIGITAL  
EDUCATION  
COURSES**

## SCIENTIFIC RATIONALE

### WHAT DO WE NEED TO KNOW TO WIN THE BATTLE AGAINST SUPERBUGS?

Antibiotic-resistant super-bacteria kill thousands of patients each year. The World Economic Forum has defined antibiotic resistance as a global risk, which is not limited to health alone. The increase in life expectancy and advances in surgery, transplantology, oncology, haematology and resuscitation have increased and made patients more vulnerable to infections contracted in hospital or during healthcare, so it is estimated that without new drugs, by 2050 the phenomenon of antibiotic resistance could cause 450,000 deaths in Italy alone.

New antibiotics would be able to reduce mortality by a third, from now on saving 3,000 lives each year. Antibiotic resistance is therefore a hot topic and the purpose of this training course is to take stock of the situation and describe new strategies for fighting this phenomenon. The spectre of a pre-antibiotic era, which would take us back a hundred years, is stretching inexorably over global public health due to super-resistant bacteria. Already today, they kill 33,000 people in Europe every year, and 10,000 in Italy alone, the most affected nation together with Greece, and almost 5% of hospitalised patients suffer from an infection that cannot be treated with common antibiotics.

The forecasts for the future are very serious and to be able to fight the battle against multi-resistant germs it is necessary to boost research and encourage the use of new antibiotics, true lifesavers like the anticancer drugs, thus overcoming the paradox of “not treating an infection today for fear that it will become more serious or less curable tomorrow”.

By 2050, it is expected that there will be 392,000 deaths in Europe, 10 million worldwide, and about 450,000 in Italy, surpassing the mortality rate for cancer, with an economic impact of 100 trillion dollars. An emergency that could be overcome thanks, on the one hand, to new antibiotics by intensifying scientific research and, on the other hand, by making the best use of the most innovative drugs. It is therefore essential for the new antibiotics to be used earlier on, even in an appropriate empirical way, above all for the most critical and serious patients in which a delay, even a few hours, in starting the right antibiotic therapy, could be fatal.

The fight against antibiotic resistance cannot be separated from the training of doctors: many do not know about the new drugs and are afraid to use them. Only 35% use them, often with a delay, wasting precious time and exposing patients to a greater risk of serious complications. A change of pace is indispensable because simple prevention is no longer sufficient: even by administering antibiotics only when necessary and paying close attention to the containment of infections and bacterial transmission in hospitals and nursing homes, only 50% of infections acquired during healthcare can be prevented.

Antibiotics are therefore still a lifesaver, especially for the numerous fragile patients such as the elderly, patients undergoing organ transplants or cancer treatment, those in intensive care or who have undergone major surgery. It is essential to carry out research to identify new therapies, enhancing the value of innovative antibiotics, which, when included in appropriate therapeutic schemes, will allow for protecting the efforts and investments made in support of patient health with huge savings of resources, in both the short and long term.

President

Prof. Matteo Bassetti



## **PRESIDENT**

### **MATTEO BASSETTI**

Infectious Diseases Clinic, University of Genoa,  
Hospital Policlinico San Martino – IRCCS  
Genoa, Italy

## **CO-ORGANIZED BY**

### **FONDAZIONE INTERNAZIONALE MENARINI**

Centro Direzionale Milanofiori  
I-20089 Rozzano (Milan, Italy)  
Edificio L – Strada 6

Phone: +39 02 55308110 | Fax: +39 02 55305739

E-mail: [milan@fondazione-menarini.it](mailto:milan@fondazione-menarini.it) | Website: [www.fondazione-menarini.it](http://www.fondazione-menarini.it)

## **ORGANIZING SECRETARIAT**

### **ARISTEA INTERNATIONAL SRL**

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

## SCIENTIFIC PROGRAMME

Chairperson:	<b>M. Bassetti</b> (Genoa, IT)
-	<b>J. Garau</b> (Barcelona, ES)
-	Clinical and Economic impact on of antimicrobial resistance
-	<b>A. Brink</b> (Cape Town, ZA)
-	Hospital strategies to limit the spread of bacterial resistances
-	<b>O. Cornely</b> (Cologne, DE)
-	Not only bacteria...the Candida auris story
-	<b>G. L. Daikos</b> (Athens, GR)
-	The different faces of bacterial resistances: the example of carbapenem resistant enterobacteriaceae
-	<b>G. F. Timsit</b> (Paris, FR)
-	Pseudomonas aeruginosa: an infernal enemy
-	<b>E. Bouza</b> (Madrid, ES)
-	When do we have to suspect ESBL (extended-spectrum betalactamases) infection and how to treat them?
-	<b>P. Montravers</b> (Paris, FR)
-	Risk stratification for MDR (multi-drug resistant) bacteria in critically ill patients
-	<b>F. Pea</b> (Udine, IT)
-	How the optimization of PK/PD would improve the management of MDR/XDR bacteria?
-	<b>M. Kollef</b> (Cologne, DE)
-	The importance of appropriate therapy in managing critically ill patients
-	<b>M. Bassetti</b> (Genoa, IT)
-	The role of new antimicrobials in the everyday clinical practice
-	<b>D. P. Nicolau</b> (Hartford, CT, US)
-	The future antibiotic pipeline for MDR bacteria?
-	<b>A. Tabah</b> (Brisbane, AU)
-	What is de-escalation and how to do it?
-	<b>A. Torres</b> (Barcelona, ES)
-	Not only hospital- infections the problem of community- acquired pneumonia

## **GENERAL INFORMATION**

### **COURSE ONLINE ON:**

From February 22<sup>nd</sup> to December 31<sup>st</sup>, 2021

### **OFFICIAL LANGUAGE**

English.

Simultaneous translation will be provided in Spanish.

# HOW TO REGISTER AND JOIN THE EVENT

## FAST REGISTRATION WITHOUT LOGIN

1. <https://www.en.fondazione-menarini.it/Home/Fad/FAD-What-we-need-to-know-for-winning-the-battle-against-Superbugs/752/Presentation>
2. Click on **SUBSCRIPTION**.
3. Click on **Fast Registration without login**.
4. Fill the form and click on **REGISTER**.
5. You will receive **information via mail**.

## FOLLOW THESE STEPS TO REGISTER (VIA WEBSITE AND APP) and to join an event

### WEBSITE



#### NOT AN USER YET

1. Go to Fondazione website and click on **REGISTER TO FONDAZIONE MENARINI RESERVED AREA** (homepage, on the right).
2. Fill the form and click on **REGISTER**.
3. Waiting for the confirmation page, please don't click anything and don't leave the page.
4. Once you get the confirmation, RETURN TO THE HOME PAGE, you will already be logged into the reserved area.
5. **Visit the page** <https://www.en.fondazione-menarini.it/Home/Fad/FAD-What-we-need-to-know-for-winning-the-battle-against-Superbugs/752/Presentation> and confirm your registration by clicking on **SUBSCRIPTION** check the Privacy Notice and click on **ATTEND**.

### APP



#### NOT AN USER YET

1. REGISTER TO FONDAZIONE MENARINI RESERVED AREA
2. Click on the PROFILE ICON on the top and right, or in the details of an event.
3. Click on **LOGIN**: then click on the red button **REGISTER**. To sign up the reserved area, it is necessary to fill the form.
4. Make the LOGIN, with username (email) and password. (near the user icon you will see your name).
5. Then click on the red button "**I WILL PARTECIPATE IN THIS EVENT**", and check the Privacy Notice.

## FOLLOW THESE STEPS TO JOIN AN EVENT (VIA WEBSITE AND APP) if you are already an user

### WEBSITE



#### ALREADY AN USER OF FONDAZIONE MENARINI RESERVED AREA

1. Visit the page <https://www.en.fondazione-menarini.it/Home/Fad/FAD-What-we-need-to-know-for-winning-the-battle-against-Superbugs/752/Presentation>
2. Click on **SUBSCRIPTION** and LOG IN with your credentials.
3. Check the Privacy Notice and click on **ATTEND**.

### APP



#### ALREADY AN USER OF FONDAZIONE MENARINI RESERVED AREA

1. You can ACCESS the APP with the SAME USERNAME and PASSWORD that you use in the website.
2. Visit the page of the event and confirm your participation, click on "**I WILL PARTECIPATE IN THIS EVENT**"

## FACULTY LIST

### **Matteo Bassetti**

Infectious Diseases Clinic, University of Genoa,  
Hospital Policlinico San Martino – IRCCS  
Genoa, IT

### **Emilio Bouza**

Department of Clinical Microbiology and Infectious Diseases  
Hospital Gregorio Maranon  
Complutense University of Madrid  
Madrid, IT

### **Adrian Brink**

Division Medical Microbiology  
Faculty of Health Sciences and National Health Laboratory  
Services

University of Cape Town  
Cape Town, ZA

### **Oliver Cornely**

Translational Research, CECAD Cluster of Excellence  
University Hospital  
Cologne, DE

### **George L. Daikos**

National and Kapodistrian University of Athens  
Athens, GR

### **Javier Garau**

University of Barcelona  
Department of Medicine,  
Hospital Universitari Mutua de Terrassa, Barcelona  
Chief of Internal Medicine, Clínica Rotger, Palma de Mallorca  
Barcelona, ES

### **Marin Kollef**

Virginia E. and Sam J. Golman  
Respiratory and Intensive Care Medicine  
Division of Pulmonary & Critical Care Medicine  
Washington University School of Medicine  
Barnes-Jewish Hospital  
St. Louis, MO, US

### **Philippe Montravers**

Département d'Anesthésie-Réanimation  
CHU Bichat Claude Bernard  
HUPNVS-APHP  
Paris, FR

### **David P. Nicolau**

Center for Anti-Infective Research and Development,  
Hartford Hospital  
Hartford, CT, USA

### **Federico Pea**

Department of Medical and Surgical Sciences  
Alma Mater Studiorum, University of Bologna  
Bologna, IT

### **Alexis Tabah**

Intensive Care Unit  
Redcliffe Hospitals Metro North Hospital and Health Service  
Faculty of Medicine  
University of Queensland  
Brisbane, Queensland, AUS

### **Jean-François Timsit**

AP-HP, Bichat Hospital, Medical and infectious diseases ICU (M12)  
France University of Paris, IAME, INSERM  
Paris, FR

### **Antoni Torres**

Hospital Clinic of Barcelona,  
University of Barcelona, IDIBAPS, CIBERes  
Barcelona, ES

CO-ORGANIZED BY



FONDAZIONE  
INTERNAZIONALE  
MENARINI

Scan the QR code and  
immediately download  
the new APP.



Fondazione  
Internazionale Menarini  
is also on [LinkedIn](#)

