



TOP5
IN INFECTIOUS
DISEASES

SECOND EDITION

INTERNATIONAL SYMPOSIUM



VENICE, APRIL 3rd-5th, 2025



Innovation. This is the word that will characterize also the second Edition of the TOP-5 Conference in Venice. The event is aimed to identify, in the era of globalization, the ongoing and future challenges in infectious diseases and to bring current global issues to the attention of institutions.

The following topics will be covered:

- Methodology of clinical research and application of artificial intelligence to healthcare.
- Antimicrobial resistant microorganisms and optimal use of new available antibiotics.
- HIV treatment and prophylaxis. How to implement tailored therapeutic approaches.
- Emerging and re-emerging viral infections. New approaches for immunization and prevention of communicable infectious diseases.
- Fungal infections. New multidrug resistant fungi spread around the world and new drugs are needed to overcome resistance.

But what does “innovation” mean in Infectious Diseases? Innovation means “appropriate and rational use” of diagnostic methods, antimicrobials, Big Data and machine learning finalized to develop updated knowledge for the modern treatment of Infectious Diseases.

These issues will be discussed with academicians, stakeholders, professionals and young researchers to share experiences and evidences and to have an unforgettable experience in one of the most beautiful venue in the world: the ancient Venice!

FIRST DAY - THURSDAY 3rd APRIL

MORNING SESSIONS



Welcome Coffee

10.00-10.30 Registration of participants

10.30-10.40 Welcome to participants and Opening remarks • **Marco Falcone**

SESSION I: DEBATE ON METHODOLOGY ON CLINICAL RESEARCH

Chairs: **Marco Falcone**, **Leonard Leibovici**

10.40-11.00 Strengths and limitations of RCTs in infectious diseases • **Mical Paul**

11.00-11.20 The use of observational methods and real-world data to emulate ongoing randomized controlled trials • **Joseph Ross**

11.20-11.40 Adaptive designs in clinical trials • **Marc Bonten**

11.40-12.00 The crisis in scientific publications: point of view of the Editor in Chief • **Leonard Leibovici**

12.00-12.30 **ROUND TABLE WITH DISCUSSION**

12.30-13.00 **TOP-5 OPENING LECTURE**

Introduction: **Marco Falcone**

How Artificial Intelligence could transform Medicine • **Adrian Egli**

13.00-14.00 *Lunch*



FIRST DAY - THURSDAY 3rd APRIL

AFTERNOON SESSIONS



SESSION II: INNOVATION IN DRUG DEVELOPMENT IN INFECTIOUS DISEASES

Chairs: *Andrea Cossarizza, Giulia Marchetti*

- 14:00-14:20 Advancing global antibiotic research: what we still need • *Jesus Rodriguez Baño*
- 14:20-14:40 Strategic planning for the second era of the HIV epidemic • *Antonella Castagna*
- 14:40-15:00 Broadly neutralizing antibodies against emerging viruses • *Davide Corti*
- 15:00-15:20 Building evidence for the use of bacteriophages against antimicrobial resistance • *Robin Patel*
- 15:20-15:40 Toward personalized vaccines • *Caterina Rizzo*
- 15:40-16:10 **ROUND TABLE AND DISCUSSION**
- 16:10-16:30 *Coffee Break*

SESSION III: UNRAVELLING THE MYSTERIES OF SEPSIS AND SEPTIC SHOCK

Chair: *Raffaele Bruno*

- 16:30-16:50 Saving lives sepsis: improving practice & outcomes • *Ron Daniels*
- 16:50-17:10 Optimizing antimicrobial therapy in septic patients: PK/PD perspectives • *Federico Pea*
- 17:10-17:30 Colonization-driven empirical therapy of septic patients • *Marco Falcone*
- 17:30-17:50 Management of ventilator-associated pneumonia: antibiotics and beyond • *Jordi Rello*
- 17:50-18:10 Role of biomarkers in guiding antimicrobial therapy • *Jan De Waele*
- 18:10-18:30 **ROUND TABLE AND DISCUSSION**
Discussant: *Miriam Lichtner*
- 18:30 End of the day

SECOND DAY - FRIDAY 4th APRIL

MORNING SESSIONS



SESSION I: INTERACTIVE SESSION CONTROVERSIAL ISSUES IN THE TREATMENT OF HIV-INFECTION

Chairs: **Gabriella D'Etto**re, **Andrea Gori**

- 08:30-10:00 Patient with not suppressible viremia: role of triple therapy • **Alberto Borghetti**
- Role of long-acting drugs in special populations: a clinical case • **Andrea Giacomelli**
- Optimization of antiretroviral therapy in HTE patient with multiple comorbidities • **Emanuele Focà**
- Neurological penetration of antiretrovirals in advanced naïve patient: is there an issue? • **Andrea Calcagno**
Discussants: **Chloe Orkin**, **Annamaria Cattelan**
- 10:00-10:30 **TOP-5 LECTURE**
Introduction: **Cristina Mussini**
Infections and inequities through the lens of HIV • **Chloe Orkin**
- 10:30-11:00 *Coffee break*

SESSION II: INTERACTIVE SESSION DIFFICULT TO TREAT MULTIDRUG-RESISTANT BACTERIAL INFECTIONS

Chair: **Claudio M. Mastroianni**

- 11:00-12:30 KPC-*Klebsiella pneumoniae* bloodstream infection • **Giusy Tiseo**
- DTR *Pseudomonas aeruginosa* VAP • **Antonio Vena**
- MBL-producing Enterobacterales intra-abdominal infection • **Silvia Corcione**
- *Acinetobacter baumannii* infection in ICU • **Alessandro Russo**
Discussant: **David Paterson**
- 12:30-13:00 **TOP-5 LECTURE**
Introduction: **Marco Falcone**
No time to wait: securing the future from multidrug-resistant bacterial infections • **David Paterson**
- 13:00-14:30 *Lunch*

SECOND DAY - FRIDAY 4th APRIL

AFTERNOON SESSIONS



SESSION III: ADVANCES IN THE TREATMENT OF DIFFICULT TO TREAT INFECTIOUS DISEASES

Chairs: *Pierluigi Viale, Mario Tumbarello*

- 14:30-14:50 Game-changing HIV drugs: from therapy to pre-exposure prophylaxis • *Cristina Mussini*
- 14:50-15:10 Long-term efficacy of antiretroviral therapy: to switch or not to switch? • *Giovanni Di Perri*
- 15:10-15:30 Modern treatment of *Acinetobacter baumannii* and *Stenotrophomonas maltophilia* infections • *David Van Duin*
- 15:30-15:50 The emerging threat: new options for therapy of Metallo- β -Lactamase-producing Gram-negative bacteria • *Marco Falcone*
- 15:50-16:10 Efficacy of the new antibiotics for the treatment of KPC-producing Enterobacterales infections • *Ryan Shields*

Discussant: *Jason Pogue*

16:10-16:30 **TOP-5 LECTURE**

Introduction: *Marco Falcone*

One Health approach for the control of antimicrobial resistance • *Robert Skov*

SESSION IV: IL PAZIENTE AL CENTRO: SINERGIA TRA SCIENZA, ISTITUZIONI E INDUSTRIA FARMACEUTICA *(NO ECM SESSION)*

TALK SHOW: conduce *Tonia Cartolano*

17:00-17:40 Sandro: discesa agli inferi e ritorno
Presentano: **Marco Falcone** e **Manuela Nicastro**
Partecipa: **Sandro Busetto***

Interventi di:

Sen. Adolfo Urso (Ministro delle Imprese e del Made in Italy)

On. Marcello Gemmato (Sottosegretario alla Salute)

Sen. Fausto Orsomaso (Commissione Finanze, Intergruppo Parlamentare Prevenzione e Controllo Malattie Infettive)

- Le iniziative del Ministero della Salute • **Mara Campitiello** (Ministero della Salute)
- Incentivi Pull and Push • **Francesco Saverio Mennini** (Ministero della Salute)
- Il valore dei nuovi antimicrobici: il punto di vista di AIFA • **Elisa Sangiorgi** (Regione Emilia Romagna; AIFA)
- Ricerca e sviluppo di nuovi antibiotici: il punto di vista dell'industria
Lucia Aleotti (Comitato di Presidenza Confindustria)

17:40-18:30 **ROUND TABLE**

Partecipano:

Najy Alsayed (Menarini), **Massimiliano Arcidiacono** (Gilead), **Damiano De Felice** (CARB-X), **Guido Di Donato** (Pfizer), **Emanuele Monti** (Regione Lombardia; AIFA), **Vincenzo Palermo** (ViV), **Marina Panfilo** (MSD), **Roberto Parrella** (SIMIT), **Andrea Pitrelli** (Shionogi), **Davide Pugliese** (Viatrix), **Federico Serra** (Intergruppo Parlamentare Prevenzione e Controllo Malattie Infettive), **Serafino Sorrenti** (Chief Innovation Officer, Presidenza del Consiglio dei Ministri)

* *Tecnico dell'ENEL sopravvissuto alla strage di Suviana*

** *This session in italian language*

THIRD DAY - SATURDAY 5th APRIL

MORNING SESSIONS



SESSION I: PROS AND CONS DEBATE: INTERACTIVE SESSION

Chairs: **Ivan Gentile, Paolo Antonio Grossi**

- 09:30-10:00 Monotherapy vs combination therapy in MRSA bacteremia
- Combination therapy • **Francesco Giuseppe De Rosa**
- Monotherapy • **Pierre Tattevin**
- 10:00-10:15 Short vs prolonged intravenous therapy in patients with candidemia • **Dafna Yahav**
- 10:15-10:30 When to switch to oral therapy in patients with infective endocarditis • **Michele Bartoletti**
- 10:30-10:45 Monotherapy vs combination therapy for *P. aeruginosa* severe infections • **Jason Pogue**
- 10:45-11:30 Rapid Genotypic and Phenotypic antimicrobial susceptibility testing approaches
Genotypic - **Gian Maria Rossolini**
Phenotypic - **Stefania Stefani**
- 11:30-11:35 Intervento del **Sen. Francesco Zaffini** (Presidente 10^a Commissione Affari Sociali)
- 11:35-11:50 *Coffee Break*

SESSION II: INNOVATION IN ANTIMICROBIAL THERAPY

Chairs: **Massimo Puoti, Carlo Torti**

- 11:50-12:10 **TOP-5 LECTURE**
Introduction: **Stefania Stefani**
Antibiotic therapy of MDR infections in constrained settings • **Souha S. Kanj**
- 12:10-12:30 *Candida auris* and *Candida parapsilosis*: global priority pathogens • **Matteo Bassetti**
- 12:30-12:50 New antifungals for the treatment of invasive candidiasis and pulmonary aspergillosis • **Patricia Muñoz**
- 12:50-13:10 Anti-SARSCoV-2 pre-exposure prophylaxis with monoclonal antibodies in immunocompromised patients • **Andrea Antinori**
- 13:10-13:30 Present and future of long-acting antibiotic therapy for Gram positive infections • **Alex Soriano**
Discussants: **Saverio Parisi, Loredana Sarmati**
- 13:30-14:30 *Lunch*

SESSION III: TAKING CARE FOR PATIENTS IN DAILY PRACTICE

Chairs: *Francesco Menichetti, Annalisa Saracino*

14:30-14:50 **TOP-5 LECTURE**

Infection control and prevention of MDR infections in the healthcare setting • *Nico Mutters*

SEXUALLY TRANSMITTED DISEASE IN WOMEN

Chair: *Francesco Giuseppe De Rosa*

14:50-15:05 Papillomavirus infections in women • *Silvia Nozza*

15:05-15:20 Inflammatory pelvic disease: causes and consequences • *Alessandro Perrella*

15:20-15:35 Toward a better women health: point of view of gynecologist • *Cecilia Fochesato*

15:35-15:50 Discussion

MDR OF INFECTIONS IN SPECIAL POPULATIONS

Chair: *Rita Murri*

15:50-16:05 MDR infections in patients with solid cancer • *Marianna Meschiari*

16:05-16:20 MDR infection in hematological patients • *Maddalena Giannella*

16:20-16:35 Central nervous system infections due to MDR microorganisms • *Alessandra Oliva*

16:35-16:45 Discussion

16:45-17:00 Closing remarks • *Marco Falcone*



FACULTY



Lucia Aleotti (Comitato di Presidenza Confindustria)

Najy Alsayed (Menarini)

Andrea Antinori (Rome, Italy)

Massimiliano Arcidiacono (Gilead)

Michele Bartoletti (Milan, Italy)

Matteo Bassetti (Genoa, Italy)

Marc Bonten (Utrecht, The Netherlands)

Alberto Borghetti (Pisa, Italy)

Raffaele Bruno (Pavia, Italy)

Andrea Calcagno (Turin, Italy)

Mara Campitiello (Ministero della Salute)

Tonia Cartolano (Sky tg24, Italy)

Antonella Castagna (Milan, Italy)

Annamaria Cattelan (Padova, Italy)

Silvia Corcione (Turin, Italy)

Davide Corti (Bellinzona, Switzerland)

Andrea Cossarizza (Modena, Italy)

Ron Daniels (Birmingham, UK)

Damiano De Felice (CARB-X)

Francesco Giuseppe De Rosa (Turin, Italy)

Gabriella D'Ettorre (Rome, Italy)

Jan De Waele (Hent, Belgium)

Guido Di Donato (Pfizer)

Giovanni Di Perri (Turin, Italy)

Adrian Egli (Zürich, Switzerland)

Marco Falcone (Pisa, Italy)

Emanuele Focà (Brescia, Italy)

Cecilia Fochesato (Milan, Italy)

Marcello Gemmato (Sottosegretario alla Salute)

Ivan Gentile (Naples, Italy)

Andrea Giacomelli (Milan, Italy)

Maddalena Giannella (Bologna, Italy)

Andrea Gori (Milan, Italy)

Paolo Antonio Grossi (Varese, Italy)

Souha S. Kanj (Beirut, Lebanon)

Leonard Leibovici (Tel Aviv, Israel)

Miriam Lichtner (Rome, Italy)

Giulia Marchetti (Milan, Italy)

Claudio M. Mastroianni (Rome, Italy)

Francesco Menichetti (Perugia, Italy)

Francesco Saverio Mennini (Ministero Salute)

Marianna Meschiari (Modena, Italy)

Emanuele Monti (AIFA)

Patricia Muñoz (Madrid, Spain)

Rita Murri (Rome, Italy)

Cristina Mussini (Modena, Italy)

Nico Mutters (Bonn, Germany)

Manuela Nicastro (Italy)

Silvia Nozza (Milan, Italy)

Alessandra Oliva (Rome, Italy)

Chloe Orkin (London, UK)

Fausto Orsomarso (Commissione Finanze,
Intergruppo Parlamentare Prevenzione e Controllo
Malattie Infettive) (Italy)

Vincenzo Palermo (ViiV)

Marina Panfilo (MSD)

Saverio Parisi (Padova, Italy)

Roberto Parrella (SIMIT)

Robin Patel (Rochester, USA)

David Paterson (Singapore)

Mical Paul (Haifa, Israel)

Federico Pea (Bologna, Italy)

Alessandro Perrella (Naples, Italy)

Andrea Pitrelli (Shionogi)

Jason Pogue (Ann Arbor, USA)

Davide Pugliese (Viatrix)

Massimo Puoti (Milano, Italy)

Jordi Rello (Barcelona, Spain)

Caterina Rizzo (Pisa, Italy)

Jesus Rodriguez Baño (Seville, Spain)

Joseph Ross (New Haven, USA)

Gian Maria Rossolini (Florence, Italy)

Alessandro Russo (Catanzaro, Italy)

Elisa Sangiorgi (AIFA)

Annalisa Saracino (Bari, Italy)

Loredana Sarmati (Rome, Italy)

Federico Serra (Intergruppo Parlamentare Prevenzione
e Controllo Malattie Infettive) (Italy)

Ryan Shields (Chapel Hill, USA)

Robert Skov (Copenhagen, Denmark)

Serafino Sorrenti (Chief Innovation Officer,
Presidenza del Consiglio dei Ministri) (Italy)

Alex Soriano (Barcelona, Spain)

Stefania Stefani (Catania, Italy)

Pierre Tattevin (Rennes, France)

Giusy Tiseo (Pisa, Italy)

Carlo Torti (Rome, Italy)

Mario Tumbarello (Siena, Italy)

Adolfo Urso (Ministro delle Imprese e del Made in Italy)

David Van Duin (Chapel Hill, USA)

Antonio Vena (Genova, Italy)

Pierluigi Viale (Bologna, Italy)

Dafna Yahav (Haifa, Israel)

GENERAL INFORMATION



PRESIDENT

Prof. Marco Falcone

Professor of Infectious Diseases
Department of Clinical and Experimental Medicine
University of Pisa,
Azienda Ospedaliero-Universitaria Pisana, Pisa (Italy)

SCIENTIFIC SECRETARIAT

Prof. Alberto Borghetti (Pisa, Italy)
Prof. Annamaria Cattelan (Padua, Italy)
Prof. Cristina Mussini (Modena, Italy)
Dr. Sandro Panese (Venice, Italy)
Dr. Giusy Tiseo (Pisa, Italy)

ORGANIZING SECRETARIAT AND CME PROVIDER



Nadirex International S.r.l.
Via Riviera, 39 - 27100 Pavia
Tel. +39.0382.525714
Fax. +39.0382.525736
chiara.zoncada@nadirex.com
annalisa.antonino@nadirex.com
sara.tedeschi@nadirex.com
www.nadirex.com

MEETING VENUE

Hotel Monaco & Grand Canal
San Marco 1332 - 30124 Venice

REGISTRATION

For the registration to the Congress use the following link
<https://top5id.it/apply>

OFFICIAL LANGUAGE

The official language of the Meeting
will be English.

TECHNICAL FACILITIES

Facilities will be available for computer presentations and
overhead projections.
A Slide Center with PCs (Windows and Macintosh operating
systems) will be available for Speakers to preview and finalize
their presentations. Speakers are kindly requested to submit
their presentations to the Slide Center technicians at least
one hour before their talks.

ATTENDANCE CERTIFICATE

The attendance certificate will be provided at the end of the
event.

ACCREDITED CME (CONTINUOUS MEDICAL EDUCATION) EVENT

CME ID: 265-442312

Nr. of training hours: 19

Training Objectives: 3 - Guidelines - protocols – procedures

Nr. of training credits: 19

Event Type: Congress/Symposium/Conference/Seminar

Recipients of the initiative: Medical Doctor - Medical disciplines: Pathological Anatomy, Anesthesia and Resuscitation, Clinical Biochemistry, Hematology, Epidemiology Pharmacology and Clinical Toxicology, Gastroenterology, Hygiene, Epidemiology and Public Health Infectious Diseases, Internal Medicine, Microbiology and Virology, Clinical Pathology (Laboratory of Chemical-Clinical Analysis and Microbiology).

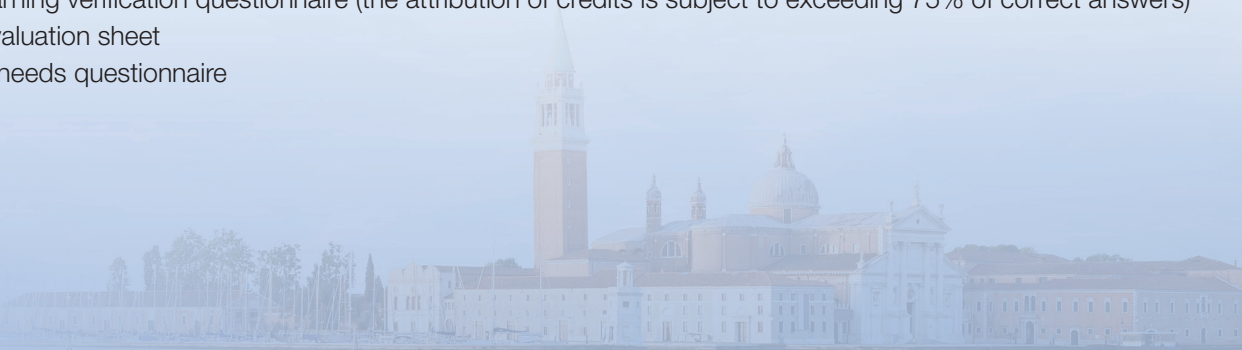
Number of participants: 100

Training Credits:

The assignment of credits is subject to the presence of 90% of the works.

At the end of the Congress it is mandatory to complete the following forms:

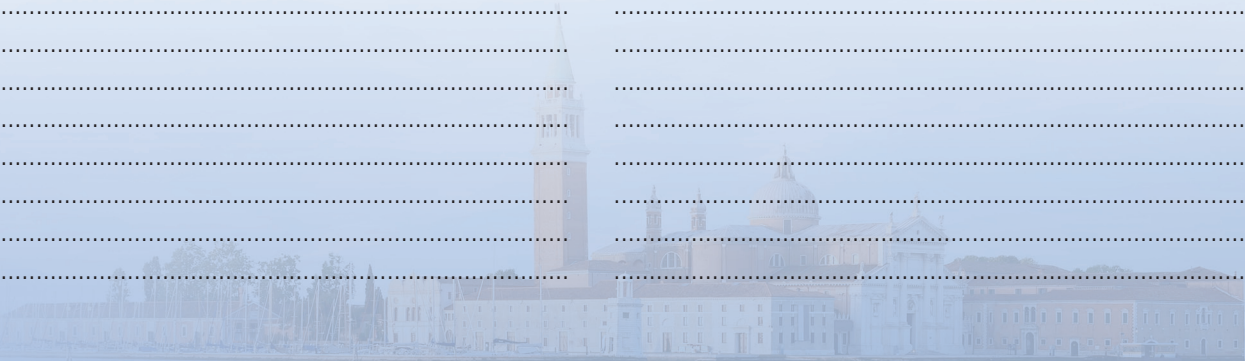
- ECM learning verification questionnaire (the attribution of credits is subject to exceeding 75% of correct answers)
- event evaluation sheet
- training needs questionnaire



NOTES



A series of horizontal dotted lines spanning the width of the page, intended for writing notes.



With the unconditional educational contribution of

PLATINUM SPONSOR



GOLD SPONSORS



SILVER SPONSOR



BRONZE SPONSOR



OTHER SPONSORS

