



INTERNATIONAL SYMPOSIUM

SCIENTIFIC PROGRAMME

VENICE, MARCH 8th-10th, 2024

UNDER THE PATRONAGE OF



RATIONALE

Innovation. This is the word that inspires the TOP5 Congress in Venice. This event is organized to find new solutions for different challenges in infectious diseases and to bring current global issues to the attention of institutions.

Nowadays, in the era of globalization, innovation in infectious diseases is crucial to find new weapons against several threats. The challenges in the treatment of infectious diseases will be discussed in a scientific and public debates. The following topics will be covered:

1. Antimicrobial resistant microorganisms. The global spread of multidrug resistant organisms (MDRO) causing severe infections in both the community and nosocomial setting is a threat for public health. Innovative strategies are needed to implement early diagnosis and optimal/appropriate use of new available antibiotics.
2. COVID-19 is not over and frail patients continued to be at increased risk of severe outcomes subsequent to SARS CoV-2 infection. Implementation of new strategies (monoclonal antibodies, vaccines, antivirals) is crucial to prevent and treat COVID-19. New vaccine platforms represent innovative strategies that should be appropriately applied to the clinical setting.
3. HIV still represents an ongoing challenge. Increase in late presentation of HIV infection poses the scientific community in front of the need for implementation of pre-exposure prophylaxis, testing and early HIV infection diagnosis. Moreover, the complexity of HIV-positive people highlights the need for tailored therapeutic approaches.
4. Beyond the ambitious goal of HCV eradication, emergence of delta virus as cause of hepatitis and presence of coinfections (such as HIV and HBV) poses new challenges that should be addressed.
5. Fungi are evolving and new multidrug resistant species spread around the world. New antifungals are needed to overcome resistance in yeast and molds infections.

But what does “innovation” mean in these 5 field of Infectious Diseases? Innovation means “appropriate and rational use” of diagnostic methods, antimicrobials, Big Data and machine learning finalized to develop updated knowledge and new solutions for the treatment of Infectious Diseases in the modern era. These issues should be discussed with academicians, stakeholders, professionals and young researchers to share experiences and evidences and to have an unforgettable experience in Venice.



FIRST DAY - FRIDAY 8th MARCH

MORNING SESSIONS



09:00-09:30 Registration of participants

09:30-09:40 Welcome to participants and Opening remarks • **Marco Falcone**

SESSION I: DEBATE ON METHODOLOGY ON CLINICAL RESEARCH

Chairs: **Leonard Leibovici, Marco Falcone**

09:40-10:00 The levels of evidence: the value of RCTs in infectious diseases • **Mical Paul**

10:00-10:20 Target trial emulation: how to extrapolate data from the real world experience • **Joseph Ross**

10:20-10:40 The Editor's choice: how to select relevant articles for my Journal • **Leonard Leibovici**

10:40-11:10 ROUND TABLE WITH DISCUSSION: Exclusion criteria of RCTs and real life use of new antibiotics in critical patients: how to fill the gap?
Discussant: **David Van Duin**

11:10-11:40 *Coffee Break*

SESSION II: DEVELOPMENT OF NEW DRUGS IN THE PANDEMIC ERA

Chairs: **Andrea Cossarizza, Andrea Gori**

11:40-12:00 AI from bench to bedside to FDA approval: the story of baricitinib in the pandemic • **Justin Stebbing**

12:00-12:20 Monoclonal antibodies for treating multidrug-resistant infections • **Rino Rappuoli**

12:20-12:40 The Yin Yang of innate immunity and inflammation in infectious diseases • **Alberto Mantovani**

12:40-13:15 Q&A session

13:15-14:30 *Lunch*

FIRST DAY - FRIDAY 8th MARCH

AFTERNOON SESSIONS

14:30-15:00 LECTURE: Cardio-metabolic protection in people living with HIV • **Esteban Martinez**

SESSION III: BEYOND VIRAL SUPPRESSION: PRACTICAL MANAGEMENT OF CURRENT ISSUES RELATED TO HIV TREATMENT: INTERACTIVE SESSION

Chairs: **Anna Maria Cattelan, Saverio Parisi**

15:00-16:30 Presenters

- Heavily treatment-experienced case • **Jovana Milic**
- Patients with high cardiovascular risk • **Silvia Nozza**
- Naïve • **Alberto Borghetti**
- Over-65 • **Emanuele Focà**

Discussant: **Esteban Martinez**

16:30-17:00 *Coffee Break*

17:00-17:30 LECTURE: Monotherapy or combination therapy for the treatment of carbapenem-resistant non-fermenting Gram negative bacilli: an overview in the era of novel antibiotics • **David Van Duin**

SESSION IV: PRACTICAL MANAGEMENT OF DIFFICULT TO TREAT MULTIDRUG-RESISTANT BACTERIAL INFECTIONS: INTERACTIVE SESSION

Chairs: **Marco Falcone, Maddalena Giannella**

17:30-19:00 - MBL-producing Enterobacterales infections in special populations • **Giusy Tiseo**

- *P. aeruginosa* pneumonia • **Antonio Vena**
- *A. baumannii* bacteremic pneumonia • **Alessandro Russo**
- KPC infection with an uncommon resistance profile • **Michele Bartoletti**

Discussants: **Mical Paul, David Van Duin**

19:00 Closing remarks



SECOND DAY - SATURDAY 9th MARCH

MORNING SESSIONS



09:00-09:30 LECTURE: Present and future of long-acting drugs in HIV-treatment • **Chloe Orkin**

SESSION I: ROUND TABLE - LIGHTS AND SHADOWS IN THE TREATMENT OF HIV-INFECTION

Chairs: **Gabriella D’Ettorre, Giulia Marchetti**

09:30-09:50 Antiretroviral therapy of late presenters: when triple therapy is better? • **Cristina Mussini**

09:50-10:10 Long-term efficacy of antiretroviral therapy: when dual therapy is better? • **Esteban Martinez**

10:10-10:30 Learnings from the CAPELLA trial in HTE people living with HIV with multi-drug resistance • **Antonella Castagna**

10:30-10:50 New therapeutics approach for Delta Hepatitis • **Maurizia Rossana Brunetto**

10:50-11:10 Discussion • **Chloe Orkin, Carlo Torti**

11:10-11:30 *Coffee Break*

11:30-12:00 LECTURE: Invasive mycoses and new resistance profiles: from yeast to invasive molds • **Patricia Muñoz**

SESSION II: COVID-19 AND BEYOND

Chairs: **Raffaele Bruno, Claudio M. Mastroianni**

12:00-12:20 Prevention of Covid-19 infection in immunocompromized: what’s new • **Giovanni Di Perri**

12:20-12:40 Treatment of Covid-19: update on antivirals • **Ali Omrani**

12:40-13:00 Treatment of frail patients with COVID-19: actual role of monoclonal antibodies • **Andrea Antinori**

13:00-13:20 Antifungal therapy in critical patients with invasive mycoses: present and future • **Pierluigi Viale**

13:20-13:30 Discussion • **Stefano Bonora, Patricia Muñoz**

13:30-14:30 *Lunch*

SECOND DAY - SATURDAY 9th MARCH

AFTERNOON SESSIONS

14:30-15:00 OPENING LECTURE: Antimicrobial therapy of carbapenem-resistant Enterobacterales infections: present and future • **Souha Kanj**

SESSION III: ROUND TABLE - LIGHTS AND SHADOWS IN THE TREATMENT OF INFECTIONS BY MDR GRAM NEGATIVE BACILLI

Chairs: **Francesco De Rosa, Mario Venditti**

- 15:00-15:20 Colistin vs new beta-lactams/beta lactamases inhibitors: do we have the final word? • **Matteo Bassetti**
15:20-15:40 HAP/VAP: which role of new antibiotics in improving outcomes? • **Pierre Tattevin**
15:40-16:00 New drugs against *Acinetobacter baumannii*: going ahead or coming back? • **Marco Falcone**
16:00-16:20 Treatment of metallo-beta lactamases producing Enterobacterales: an update • **David Paterson**
16:20-16:40 Discussion • **Souha Kanj, Jason Pogue**
16:40-17:00 *Coffee Break*

SESSIONE IV: EQUITÀ DELLE CURE ED ACCESSO ALL'INNOVAZIONE SCIENTIFICA IN MALATTIE INFETTIVE: SCIENZA, ISTITUZIONI E INDUSTRIA FARMACEUTICA A CONFRONTO (*non-CME Session*)

Introduzione • **Marco Falcone, Sen. Adolfo Urso*** (Ministro delle Imprese e del Made in Italy)

On. Marcello Gemmato* (Sottosegretario alla Salute)

On. Alessio Butti (Sottosegretario di Stato alla Presidenza del Consiglio dei Ministri)

TALK SHOW: conduce **Tonia Cartolano** (Sky tg24)

- 17:00-17:10 Antibiotico-resistenza: iniziative del Ministero della Salute • **Francesco Vaia**
17:10-17:20 Presentazione dell'Intergruppo Parlamentare Prevenzione e Controllo delle Malattie Infettive e Tropicali • **Sen. Fausto Orsomarso**
17:20-17:30 Investments in pre-clinical and clinical research for new antibiotics: lights and shadows • **Najj Alsayed****
17:30-17:40 Future strategies for prevention and treatment of acute and chronic infections • **Fabio Landazabal****
17:40-18:30 ROUND TABLE: intervengono **Maurizio Amato, Frederico da Silva, Guido Di Donato, Francesca Patarnello, Andrea Pitrelli, Federico Serra, Carlo Signorelli, Serafino Sorrenti**



Traduzione
online su ZOOM

* In videocollegamento

**Traduzione simultanea online da Inglese a Italiano

THIRD DAY - SUNDAY 10th MARCH

MORNING SESSIONS



09:30-10:00 LECTURE: MRSA: an update on the perfect pathogen • **Alex Soriano**

SESSION I: PROS AND CONS DEBATE: INTERACTIVE SESSION

Chairs: **Marco Falcone, Francesco Menichetti**

- 10:00-11:30
- Monotherapy vs combination therapy for CRE infections
 - Combination therapy • **Jason Pogue**
 - Monotherapy • **Marianna Meschiari**
 - Short vs prolonged intravenous therapy in patients with bloodstream infections:
 - When shortening therapy is possible • **Dafna Yahav**
 - When shortening therapy is not recommended • **Mario Tumbarello**
 - Genotypic vs phenotypic approach in MDR infections
 - Pros and cons of genotypic tests • **Gian Maria Rossolini**
 - Pros and cons of phenotypic tests • **Stefania Stefani**

Discussants: **Alex Soriano, Mario Tumbarello**

11:30-12:00 *Coffee Break*

SESSION II: FUTURE RESEARCH IN INFECTIOUS DISEASES

Chairs: **Marco Falcone, Ivan Gentile**

- 12:00-12:20 To bnAB or not to bnAB: broadly neutralizing against HIV-1 • **Steven Deeks**
- 12:20-12:40 Monoclonal antibodies for Sars-CoV2 infection: present and future • **Davide Corti**
- 12:40-13:00 Phages and microbiota • **Gina Suh**
- 13:00-13:20 Q&A session
- 13:20-13:30 Closing remarks • **Marco Falcone**
- 13:30-14:30 *Light Lunch*

FACULTY

Najy Alsayed - Menarini Group, Florence, Italy
Maurizio Amato - Board Member Federchimica Assobiotec
Andrea Antinori - INMI Spallanzani, Rome, Italy
Michele Bartoletti - Humanitas University of Milan, Italy
Matteo Bassetti - University of Genoa, Italy
Stefano Bonora - University of Turin, Italy
Alberto Borghetti - University of Pisa, Italy
Maurizia Rossana Brunetto - University of Pisa, Italy
Raffaele Bruno - University of Pavia, Italy
Alessio Butti - Undersecretary to the Presidency of the Council of Ministers, Italy
Tonia Cartolano - Journalist, Sky tg24, Italy
Antonella Castagna - San Raffaele University of Milan, Italy
Anna Maria Cattelan - University of Padua, Italy
Davide Corti - HUMABS Biomed, Bellinzona, Swiss
Andrea Cossarizza - University of Modena, Italy
Frederico da Silva - Vice President & General Manager, Gilead Sciences
Francesco De Rosa - University of Turin, Italy
Steven Deeks - University of California, San Francisco, USA
Gabriella D'Ettore - La Sapienza University of Rome, Italy
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Andrea Gori - L. Sacco Hospital, University of Milan, Italy
Souha Kanj - American University of Beirut, Lebanon
Fabio Landazabal - President of Farmindustria Prevention Group, Italy
Leonard Leibovici - University of Tel Aviv, Israel
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David Paterson - University of Singapore, Republic of Singapore
Mical Paul - Rambam Health Care Campus, Haifa, Israel
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Jason Pogue - University of Michigan College of Pharmacy, Ann Arbor, USA
Rino Rappuoli - Biotechnopole Foundation of Siena, Italy
Joseph Ross - Yale University, New Haven, CT, USA
Gian Maria Rossolini - University of Florence, Italy
Alessandro Russo - University of Catanzaro, Italy
Federico Serra - Segreteria Tecnica Intergruppo Parlamentare Prevenzione e Controllo delle Malattie Infettive e Tropicali
Carlo Signorelli - President National Immunization Technical Advisory Group (NITAG)
Alex Soriano - Hospital Clinic de Barcelona, University of Barcelona, Spain
Serafino Sorrenti - Chief Innovation Officer, Dipartimento per la Trasformazione Digitale, Presidenza del Consiglio dei Ministri
Justin Stebbing - Imperial College, London, UK
Stefania Stefani - University of Catania, Italy
Gina Suh - Mayo Clinic, Rochester, MN, USA
Pierre Tattevin - Rennes University Hospital, Rennes, France
Giusy Tiseo - University of Pisa, Italy
Carlo Torti - Catholic University, Rome, Italy
Mario Tumbarello - University of Siena, Italy
Adolfo Urso - Minister of Enterprises and Made in Italy, Italy
Francesco Vaia - Ministry of Health, Italy
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GENERAL INFORMATION

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MEETING VENUE

Hotel Monaco & Grand Canal
San Marco 1332 - 30124 Venice

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
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