



SOCIETÀ ITALIANA
DI VIROLOGIA

ITALIAN SOCIETY
FOR VIROLOGY

th
**National Congress
of the Italian Society
for Virology**

One Virology One Health

BOLOGNA

July 7-9, 2024

Hotel Savoia Regency
Via del Pilastro, 2



www.congressosivisv.com

Patronage



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Rationale

Viruses have brought humanity numerous challenges: respiratory infections, cancer, neurological damage, and infections immunosuppression related. Virological research has responded to mitigate this illness burden with vaccines, antivirals, and innovation in the diagnosis. Nevertheless, the COVID-19 pandemic has led to unprecedented attention to the virology field.

A carefully balanced, evidence-based discourse is essential to address public concerns while maintaining and expanding needed research in virology. To respond rapidly to emerging viral threats, we must be able to apply up-to-date biological tools to viruses that will enable us to reduce the impact of future epidemics.

The SIV-ISV National Congress represents the annual meeting for the Italian scientists working in the different areas of virology involving basic, clinical and translational research. Moreover, the meeting will offer a superb platform for virologists, epidemiologists, pathologists, physicians, medical specialists and all healthcare professionals to attend expert updates and to share and exchange best practices, knowledge and experiences in order to establish networking and collaborations among world-wide academic and clinical professionals.

In keeping with the tradition, the scientific structure of the Congress features different thematic sessions. The congress continues to provide a global forum with an interdisciplinary approach, featuring keynote talks, plenary sessions, workshops, debates, posters and interactive discussions examining novel and exciting advancements in the management and treatment of a various emerging and re-emerging viral diseases.

Special attention has been given to Young Investigators whose participation has been encouraged by Scholarships. The 8th National Congress of the Italian Society for Virology has been accredited to the Italian Ministry of Health for CME Credits for the following professionals: Medical Doctor (all disciplines), Biologist, Biotechnologist, Medical laboratory technician, Nurse, Veterinary, Pharmacist, Physicist and Chemist.

Join your colleagues in the beautiful Bologna to hear the latest **research activities in different disciplines of virology in line with our mission “One virology, One Health”**. We are certain that your participation or presentation at the conference will contribute significantly to its success.





SCIENTIFIC HEAD

Tiziana LAZZAROTTO

Director UOC of Microbiology, IRCCS Sant'Orsola Polyclinic
Full Professor of Microbiology and Clinical Microbiology
Department of Medical and Surgical Sciences - DIMEC
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Sunday 7th July 2024

From 12.00 Registration of participants
13.15-14.00 Welcome addresses
Greeting from local Authorities

PLENARY SESSION

Auditorium

SESSION 1 ANTIVIRAL THERAPY

Chairs: **Roberto BURIONI** (Milan) - **Massimiliano GALDIERO** (Naples) - **Maurizio ZAZZI** (Siena)

14.00-14.30 The challenges of new anti-HDV treatments
Valentina SVICHER (Rome)

14.30-15.00 Exploring the arenavirus-host cell interface as a path to novel antiviral approaches
Allison GROSETH (Greifswald, DE)

15.00-16.15 5 Oral Presentations to be selected

PARALLEL SESSIONS

Auditorium

SESSION 2 VIRAL PATHOGENESIS AND DISEASE

Chairs:
Giovanni GIAMMANCO (Palermo)
Davide GIBELLINI (Verona)
Carolina SCAGNOLARI (Rome)

16.30-17.00
Enteroviruses and human respiratory infections
Francesca CACCURI (Brescia)

17.00-18.30
6 Oral Presentations to be selected

18.30-19.30
With the unrestricted educational grant

Aula Re Enzo

SESSION 3 ZOOONOSIS AND VIRAL INFECTIONS IN ANIMALS

Chairs:
Andrea BALBONI (Bologna)
Gabriele VACCARI (Rome)

16.30-17.00
Unveiling the zoonotic potential
of avian influenza viruses
Massimo PALMARINI (Glasgow, UK)

17.00-17.30
Unlocking viral disease control:
the role of bioinformatics and animal models
Giovanni FRANZO (Padua)

17.30-18.30
4 Oral Presentations to be selected



PLENARY SESSION

Auditorium

SESSION 4 SIV-ISV/SIMIT JOINING SESSION: TRANSPLANTATION AND VIRAL INFECTIONS

Chairs: **Carlo Federico PERNO** (Rome) - **Pierluigi VIALE** (Bologna)

09.00-09.30 Current challenges and advances on the clinical management of viral infections in solid organ and bone marrow transplantation

Maddalena GIANNELLA (Bologna)

09.30-10.45 5 Oral Presentations to be selected

PARALLEL SESSIONS

Auditorium

SESSION 5 VIRUS-HOST INTERACTIONS

Chairs:

Guido ANTONELLI (Rome)

Luisa BARZON (Padua)

Nicasio MANCINI (Varese)

11.00-11.30

Antiviral intracellular proteins: significance in the recovery from infectious diseases

Jean-Pierre VARTANIAN (Paris, FR)

11.30-12.30

4 Oral Presentations to be selected

Aula Re Enzo

SESSION 6 RETROVIRUS

Chairs:

Massimo PIZZATO (Trento)

Vittorio SAMBRI (Bologna)

Leonardo SECHI (Sassari)

11.00-11.30

Human endogenous retroviruses: domesticated but unpredictable genome colonizers

Nicole GRANDI (Cagliari)

11.30-12.30

4 Oral Presentations to be selected

Aula Falco

SESSION 7 PLANT-VIRUS INTERACTIONS

Chairs:

Emanuela NORIS (Turin)

Luisa RUBINO (Bari)

11.00-11.30

Crossroads for BNYVV ncRNA, VSR and long distance movement

David GILMER (Strasbourg, FR)

11.30-12.30

4 Oral Presentations to be selected

PLENARY SESSION

Auditorium

12.30-13.00 The Lifetime Achievement Award has been granted to Prof. Enrico Garaci

13.00-13.30 **SIV-ISV GENERAL MEMBER MEETING**

13.30-14.30 Lunch and Poster Viewing



PARALLEL SESSIONS

Auditorium

SESSION 8 VIRAL BIODIVERSITY IN NATURAL AND AGRICULTURAL ECOSYSTEMS

Chairs:

Claudio RATTI (Bologna)
Massimo TURINA (Brescia)

14.30-15.00

A new level of microbic
biodiversity based on catalytic
circular viroid-like RNAs
is widespread in fungi
Beatriz NAVARRO (Bari)

15.00-16.00

4 Oral Presentations
to be selected

Aula Re Enzo

SESSION 9 VIRAL ONCOLOGY

Chairs:

Franco M. BUONAGURO (Naples)
Clementina COCUZZA (Milan)
Marisa GARIGLIO (Novara)

14.30-15.00

The silent syndemic: the complex
dynamics of HPV and *Chlamydia*
coinfections in carcinogenesis
Cindrilla CHUMDURI (Aarhus, DK)

15.00-16.00

4 Oral Presentations
to be selected

Aula Falco

SESSION 10 GENOMICS AND EVOLUTION OF VIRUSES

Chairs:

Arianna CALISTRI (Padua)
Giorgio GRIBAUDO (Turin)
Enzo TRAMONTANO (Cagliari)

14.30-15.00

Facing the coronavirus crisis:
monitoring the real-time evolution
of SARS-CoV-2
Marta GIOVANETTI (Rome)

15.00-16.00

4 Oral Presentations
to be selected



PLENARY SESSION

Auditorium

SESSION 11 DIAGNOSTICS IN HUMAN VIROLOGY

Chairs: **Tiziana LAZZAROTTO** (Bologna) - **Rossana CAVALLO** (Turin) - **Giuseppe PORTELLA** (Naples)

16.30-17.00 Current challenges and future perspectives of diagnosis and monitoring Hepatitis B Virus infection
Maurizia R. BRUNETTO (Pisa)

17.00-17.30 Synergy between healthcare professionals and the IVD industry in the fight against future pandemics
Giulia MINNUCCI (Bresso - Milan)

17.30-17.45 1 Oral Presentation to be selected

SESSION 12 EMERGING AND RE-EMERGING VIRUSES

Chairs: **Massimo CICCOTZI** (Rome) - **Anna Teresa PALAMARA** (Rome)

17.45-18.15 The fight against polio: are we close to eradication?
Paola STEFANELLI (Rome)

18.15-18.45 Toscana virus: a neglected foe
Maria Grazia CUSI (Siena)

18.45-19.00 1 Oral Presentation to be selected

19.00-19.40 Solving the mystery of natural SIV infections
Guido SILVESTRI (Atlanta, USA)

19.40-20.00 **SIV-ISV Award 2024**

21.00 Social Dinner



PARALLEL SESSION

Auditorium

SESSION 13 VIRAL IMMUNOLOGY AND VACCINES

Chairs:

Fausto BALDANTI (Pavia)

Mauro PISTELLO (Pisa)

Roberta RIZZO (Ferrara)

09.00-09.30

Valentina DELL'OSTE (Torino)

09.30-11.00

6 Oral Presentations to be selected

Aula Re Enzo

SESSION 14 FOOD AND ENVIRONMENTAL VIROLOGY

Chairs:

Giuseppina LA ROSA (Rome)

Elisabetta SUFFREDINI (Rome)

09.00-09.30

Viruses and wastewater: from surveillance to reuse,
a chest of risks and opportunities

Gloria SANCHEZ (Valencia, ES)

09.30-11.00

6 Oral Presentations to be selected

PLENARY SESSION

Auditorium

11.00-11.30 **LURIA AWARDS**

11.30-12.00 Closing remarks

12.00-12.30 Delivery and compilation CME questionnaire

