

5th National Congress of the Italian Society for Virology

One Virology One Health

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WEBINAR
5-6 JULY 2021

Preliminary Program

FAD



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DI VIROLOGIA**
**ITALIAN SOCIETY
FOR VIROLOGY**

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MONDAY, JULY 5

08.20-08.30 Registration of participants (access and connection to the web platform)

PLENARY SESSION

ROOMS A + B

08.30-09.00 5th National SIV-ISV Congress - Welcome address

SESSION 1: COVID-19: EVOLUTION OF A VIRUS

Chairs: **A. Caruso** (Brescia, Italy), **G. Palù** (Padua, Italy), **M. Tavio** (Ancona, Italy)

09.00-09.20 Lecture 1 - The crisis at the time of coronavirus: genomic evolution of SARS-CoV-2
M. Ciccozzi (Rome, Italy)

09.20-09.40 Lecture 2 - Intra-host evolution of SARS-CoV-2 during persistent infection
S. Fiorentini (Brescia, Italy)

09.40-10.00 Lecture 3 - Genetic variability of the SARS-CoV-2 genomes and its implications
F. Maggi (Varese, Italy)

10.00-10.50 SELECTED LECTURES (5 O.C. per 10 minutes)

10.50-11.00 Discussion

PARALLEL SESSION

ROOM A

SESSION 2: VIRAL DIAGNOSIS

Chairs: **R. Cavallo** (Turin, Italy),
S. Menzo (Ancona, Italy)

11.00-11.20 Lecture 4 - A modern, integrated approach to molecular diagnostics of SARS-CoV-2
C.F. Perno (Rome, Italy)

11.20-11.40 Lecture 5 - Immunologic response to SARS-CoV2 infected patients and vaccinated
F. Baldanti (Pavia, Italy)

11.40-12.00 Lecture 6 - Viral gastroenteritis: an overview of current diagnostic methods
G. Giammanco (Palermo, Italy)

12.00-12.50 SELECTED LECTURES
(5 O.C. per 10 minutes)

12.50-13.00 Discussion

ROOM B

SESSION 3: ENVIRONMENTAL AND PLANT VIROLOGY

Chairs: **F. Di Serio** (Bari, Italy),
L. Rubino (Bari, Italy)

11.00-11.20 Lecture 7 - Metagenomics of plant-associated viromes
T. Candresse (Bordeaux, France)

11.20-11.40 Lecture 8 - Environmental surveillance for early pathogen identification, epidemic trends and genomic variability: a focus on SARS-CoV-2
G. La Rosa (Rome, Italy)

11.40-12.00 SELECTED LECTURES
(2 O.C. per 10 minutes)

12.00-13.00 **SPONSORED SYMPOSIUM 1**
Chair: **T. Lazzarotto** (Bologna, Italy)

13.00-14.00 Break

MONDAY, JULY 5

PARALLEL SESSION

ROOM A	ROOM B
<p>SESSION 4: VIRAL GENETICS AND BIOTECHNOLOGY Chairs: G. Portella (Naples, Italy), M.C. Parolin (Padua, Italy)</p> <p>14.00-14.20 Lecture 9 - Genetic insight in the pathogenesis of SARS-CoV-2</p> <p>14.20-14.40 Lecture 10 - CRISPR: diagnosis and treatment of viral infections M. Pistello (Pisa, Italy)</p> <p>14.40-15.00 Lecture 11 - Clinical applications of viral vectors for gene therapy N. Brunetti Perri (Naples, Italy)</p> <p>15.00-15.50 SELECTED LECTURES (5 O.C. per 10 minutes)</p> <p>15.50-16.00 Discussion</p>	<p>SESSION 5: FRONTIERS IN GENERAL VIROLOGY 1 Chairs: A. Calistri (Padua, Italy), G. Franci (Salerno, Italy)</p> <p>14.00-14.20 Lecture 12 - Viral respiratory pathogens: direct and indirect mechanisms of lung injury N. Mancini (Milan, Italy)</p> <p>14.20-15.00 SELECTED LECTURES (4 O.C. per 10 minutes)</p> <p>15.00-16.00 SPONSORED SYMPOSIUM 2 Chairs: G. Scalia (Catania, Italy)</p>

PLENARY SESSION

ROOMS A + B

SESSION 6: VIRUS-HOST INTERACTION

Chairs: **E. Affabris** (Rome, Italy), **G. Gribaudo** (Turin, Italy)

16.00-16.20 Lecture 13 - The SERINC enigma in viruses and cells
M. Pizzato (Trento, Italy)

16.20-16.40 Lecture 14 - ACE2: a key factor in regulating SARS-CoV2 and influenza virus infection
A.T. Palamara (Rome, Italy)

16.40-17.00 Lecture 15 - Identification of a novel getaway for SARS-CoV-2 entry into human endothelial cells
F. Caccuri (Brescia, Italy)

17.00-17.50 SELECTED LECTURES (5 O.C. per 10 minutes)

17.50-18.00 Discussion

18.00-19.00 **SIV-ISV GENERAL MEMBER MEETING**

18.00-20.00 POSTER SESSION AND SPONSOR EXHIBITION

TUESDAY, JULY 6

08.00-09.00 OPENING OF POSTER SESSION AND SPONSOR EXHIBITION

PLENARY SESSION

ROOMS A + B

SESSION 7: VIRAL ONCOLOGY

Chairs: **F.M. Buonaguro** (Naples, Italy), **P. Marconi** (Ferrara, Italy)

09.00-09.20 Lecture 16 - The oncogenic role of HPV in the pathogenesis of orofaryngeal and genital cancers
M.L. Tornesello (Naples, Italy)

09.20-09.40 Lecture 17 - Oncolytic viruses for cancer therapy
P. Malatesta (Genoa, Italy)

09.40-10.00 Lecture 18 - Therapeutic vaccines for virus-associated tumors
A. Venuti (Rome, Italy)

10.00-10.50 SELECTED LECTURES (5 O.C. per 10 minutes)

10.50-11.00 Discussion

PARALLEL SESSION

ROOM A

SESSION 8: VETERINARY VIROLOGY

Chairs: **C. Buonavoglia** (Bari, Italy),
M. Vaccari (Rome, Italy)

11.00-11.20 Lecture 19 - SARS Cov-2, a threat to marine mammals: One Health, One Ocean, One Virology
C. Casalone (Turin, Italy)

11.20-11.40 Lecture 20 - Hepadnavirus in cats: the discovery of a human hepatitis B-like virus
G. Lanave (Bari, Italy)

11.40-12.30 SELECTED LECTURES
(5 O.C. per 10 minutes)

12.30-13.00 Discussion

ROOM B

SESSION 9: IMMUNITY AND VACCINES

Chairs: **D. Gibellini** (Verona, Italy),
M.G. Cusi (Siena, Italy)

11.00-11.20 Lecture 21 - Innate immune response: at the forefront of viral infections
R. Rizzo (Ferrara, Italy)

11.20-11.40 Lecture 22 - Caspase8-virus interplay and innate immunity to HSV-1 infection
A. Mastino (Messina, Italy)

11.40-12.00 SELECTED LECTURES
(2 O.C. per 10 minutes)

SESSION 10: UPDATES ON HIV

Chair: **A. Manzin** (Cagliari, Italy)

12.00-12.30 Lecture 23 - New therapeutic strategies against HIV
A. Antinori (Rome, Italy)

12.30-12.40 Discussion

12.40-13.00 SELECTED LECTURES
(2 O.C. per 10 minutes)

13.00-14.00 Break

TUESDAY, JULY 6

PARALLEL SESSION

ROOM A	ROOM B
<p>SESSION 11: ANTIVIRAL THERAPY Chairs: M. Galdiero (Naples, Italy), E. Tramontano (Cagliari, Italy)</p> <p>14.00-14.20 Lecture 24 - Oxysterols: a promising class of broad spectrum antivirals D. Lembo (Turin, Italy)</p> <p>14.20-14.40 Lecture 25 - Advanced development of filovirus medical countermeasures yields insights into viral pathogenesis A. Griffiths (Boston, USA)</p> <p>14.40-15.00 Lecture 26 - Intranasal fusion inhibitory lipopeptide prevents direct contact SARS-CoV-2 transmission in ferrets M. Porotto (Naples, Italy)</p> <p>15.00-15.50 SELECTED LECTURES (5 O.C. per 10 minutes)</p> <p>15.50-16.00 Discussion</p>	<p>SESSION 12: FRONTIERS IN GENERAL VIROLOGY 2 Chairs: E. Riva (Rome, Italy), V. Martella (Bari, Italy)</p> <p>14.00-14.20 Lecture 27 - MALDI-ToF mass spectrometry as innovative tool for viruses identification A. Calderaro (Parma, Italy)</p> <p>14.20-15.00 SELECTED LECTURES (4 O.C. per 10 minutes)</p> <p>15.00-16.00 SPONSORED SYMPOSIUM 3 Chairs: V. Svircher (Rome, Italy)</p>

PLENARY SESSION

ROOMS A + B

SESSION 13: PATHOGENESIS, PREVENTION AND CONTROL

Chairs: **G. Antonelli** (Rome, Italy), **M. Clementi** (Milan, Italy), **A. Lazzarin** (Milan, Italy)

16.00-16.20 Lecture 28 - Clinical Characteristics and Treatment of COVID-19 patients: an update
M.C. Mastroianni (Rome, Italy)

16.20-16.40 Lecture 29 - SARS-CoV-2 diagnostics: a critical review of the current assays
M.R. Capobianchi (Rome, Italy)

16.40-17.00 Lecture 30 - SARS-CoV-2 and antiviral interferon response: who wins at tug-of-war?
C. Scagnolari (Rome, Italy)

17.00-17.50 SELECTED LECTURES (5 O.C. per 10 minutes)

17.50-18.00 Discussion

INTRODUCTION: **G. Antonelli** (Rome, Italy)

18.00-18.30 Closing Lecture 31 - SARS-CoV-2 and COVID-19: what has been done and what remains to do
G. Silvestri (Atlanta, USA)

18.30-19.00 **LURIA AWARDS** - Chair: **A. Caruso** (Brescia, Italy)

19.00-19.15 Closing Remarks

FACULTY

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CALL FOR ABSTRACT

Abstract presentation date: **16 April 2021 - h 24,00**

Abstract acceptance notification date: **27 April 2021**

TOPICS

- COVID-19: evolution of a virus
- Diagnosis of viral infections
- Virology of environment and plants
- Viral genetics and biotechnologies
- New horizons in virology 1
- Virus-host interaction
- Viruses and tumours
- Veterinary virology
- Antiviral immunity and vaccines
- Antiviral therapy
- New horizons in virology 2
- COVID-19: pathogenesis, prevention and control
- New therapeutic strategies against HIV
- Other

INFORMATIONS ON THE SITE

www.congressosiv-isv.com

GENERAL INFORMATIONS

DATE OF CONGRESS

Monday 5 July 2021 from 8.30 to 20.00

Tuesday 6 July 2021 from 8.00 to 19.15

ONLINE REGISTRATION:

www.congressosiv-isv.com

ORGANIZING SECRETARIAT AND PROVIDER NR. 265



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GENERAL INFORMATIONS

- **Accessing the Webinar** - You have to register in order to access the webinar. After you fill out the form, you will receive a mail with a link to confirm the activation of your account. After you activate your account, you will receive a message confirming registration, with instructions to access the live streaming on 5-6 July 2021. The webinar has a limited number of participants and is reserved to ECM-accredited professions and fields of study.
- **CME Accreditation** - ECM accreditation will be required for the following professions:
 - Medical Doctor (Disciplines: all fields)
 - Nurse
 - Biologist
 - Pharmacist
 - Psychologist
 - Chemist
 - Veterinarian
 - Medical Laboratory Technician
- **Number of participants:** 800
- **Languages:** Italian/English
- **Assessment method** - To earn ECM credits from the e-learning event, you must:
 - Participate in at least 90% of the learning activities
 - Give correct answers to at least 75% of the multiple-choice questions (with double randomization) on the online learning questionnaire
 - a maximum of five attempts to pass the test are allowed
 - the questionnaire will be online for 3 (three) days after the event has ended.
 - Fill out the e-learning event perceived-quality form
 - Fill out the learning needs survey
- **E-learning typology:**
 - Live course on dedicated multimedia platform (virtual classroom, webinar) - synchronous e-learning