



SOCIETA' ITALIANA
DI VIROLOGIA
ITALIAN SOCIETY
FOR VIROLOGY

6th National Congress of the Italian Society for Virology

One Virology One Health

Naples
July 3-5, 2022

Hotel Royal Continental
Via Partenope, 38

www.congressosivisv.com

HYBRID EVENT
RESIDENTIAL AND WEBINAR

Scientific Programme



...e divenne il simbolo della Restaurazione

La piazza si presentò per secoli come uno spazio irregolare fino all'inizio del Seicento, quando l'edificazione del Palazzo Reale ne cambiò il volto e la funzione.

“Largo di Palazzo”, come veniva chiamato, si fece scenario di numerose feste popolari, come la celebre Cuccagna che consisteva nell'assaltare, al giusto segnale, un banchetto o un catafalco colmo di ogni sorta di cibarie e viveri.

All'inizio dell'Ottocento, durante il periodo napoleonico, si pensò a ridisegnare più radicalmente l'area interpretandola come una piazza d'armi, laica e razionale, con la costruzione del meraviglioso colonnato in marmo e pietra lavica e con l'edificazione di una struttura a pianta centrale che doveva accogliere i soldati, in occasione delle parate militari. La fine del Regno di Gioacchino Murat trasformò la piazza nel simbolo della Restaurazione: il re Ferdinando sostituì la struttura circolare con una chiesa commissionata all'architetto Pietro Bianchi rendendo lo spazio il simbolo dei due eterni poteri della città: il re e il clero.

Dopo la fine del decennio francese vennero portati a compimento il Palazzo della Prefettura, alle cui spalle vi è lo storico bar napoletano Caffè Gambrinus, e Palazzo Salerno.

Occupano il centro le due statue equestri di Carlo di Borbone e di suo figlio Ferdinando, protagonisti del curioso gioco, noto ai napoletani come ai turisti, di attraversare la piazza a occhi chiusi partendo dall'ingresso di Palazzo Reale passando fra le due statue. Nessuno però è mai riuscito nell'impresa anche a causa della leggera pendenza della piazza che rende difficile proseguire dritto, oppure, come narra la leggenda, a causa della maledizione scagliata dalla regina Margherita ai suoi prigionieri, ai quali prometteva la salvezza qualora fossero riusciti nell'ardua prova.

[Francesca Amirante]

Foto di copertina: Piazza del Plebiscito e Chiesa di San Francesco di Paola.

Patronage requested

- Ministero della Salute

 Consiglio Nazionale delle Ricerche



- Università degli Studi "La Sapienza"

- Università degli Studi di Napoli "Federico II"

- Università degli Studi della Campania "Luigi Vanvitelli"



 **AMCLI**
Associazione Microbiologi Clinici Italiani

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Società Italiana di Diagnostica di Laboratorio Veterinaria



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Società Italiana di Microbiologia

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**SOCIETA' ITALIANA
DI VIROLOGIA**

**ITALIAN SOCIETY
FOR VIROLOGY**

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Scientific Rationale

As the pandemic seems to start fading away, the flagship annual meeting of the Italian Society of Virology SIV-ISV is back on the agenda. During the past 2 years, as a consequence of the COVID-19 pandemic, the Society was forced to pivot the scientific programs (both the 4th and the 5th SIV-ISV National Congresses) into a totally new format for online consumption. The events, free for all users, were undisputed successes, both from a scientific/educational as well as from a digital technology perspective. The number of registrations increased by almost four-fold when compared with previous editions with a greater proportion of younger and female participants. We come to appreciate the realm of possibilities offered by online conferences but we also missed the opportunity to meet people and to interact with friends and colleagues. Even senior scientists suffered the lack of networking opportunities, but the loss of impromptu interactions at online events made it harder to connect graduate students with senior members of the scientific community. Therefore, it is a great honor that the city of Naples will host the first resumed in-person SIV-ISV national meeting. In keeping with the tradition, the scientific structure of the Congress features different thematic sessions ranging from general virology such as structural virology, virus-host interactions and pathogenesis, viral genetics, biotechnology and oncogenic viruses to clinical virology with sessions on antiviral therapy and diagnosis, vaccines, epidemiology and diseases, without overlooking veterinary, environmental and plant virology. On the contrary, the meeting will be conceived to promote productive interactions between the different virological souls and we invite participants to explore synergies between different disciplines. Every session starts with Invited Lectures followed by oral communications selected from the “Call for Abstracts”. Specific Symposia mainly dedicated to clinical aspects of virology as well as Poster Exhibition and Discussion will complete the scientific structure of the Congress. Special attention has been given to Young Investigators whose participation has been encouraged by Scholarships.

The 6th 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.

Guido Antonelli (Rome)
Franco Buonaguro (Naples)
Arnaldo Caruso (Brescia)
Gianluigi Franci (Salerno)
Massimiliano Galdiero (Naples)
Giuseppe Portella (Naples)

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Marcello ALLEGRETTI, L'Aquila, Italy
Gualtiero ALVISI, Padua, Italy
Guido ANTONELLI, Rome, Italy
Fausto BALDANTI, Pavia, Italy
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Gabriele VACCARI, Rome, Italy
Yaohane WANG, London, UK
Maurizio ZAZZI, Siena, Italy
Francisco Murilo ZERBINI, Viçosa, Brazil (ICTV President)

Sunday July 3th, 2022

OPENING OF POSTER SESSION AND SPONSOR EXHIBITION

From 12.00 Registration of participants

13.15-14.00 Welcome addresses

Arnaldo Caruso, President SIV-ISV

Andrea Costa, Ministry of Health, Undersecretary of State

Greetings from local Authorities

PLENARY SESSION

Auditorium

SESSION 1 - COVID-19: two years within a pandemic

Chairs: **Guido Antonelli** (Rome), **Arnaldo Caruso** (Brescia)

14.00-14.30 The pandemic through the eyes of the ISS

Anna Teresa Palamara (Rome)

14.30-15.00 Clinical management of COVID-19: un update

Claudio Mastroianni (Rome)

15.00-15.30 SARS-CoV-2 infection in children: Much information still missing

Carlo Federico Perno (Rome)

15.30-16.00 Long Covid: mutation of concern and transcriptional analysis

Davide Cacchiarelli (Naples)

16.00-16.30 *Coffee Break*

PARALLEL SESSION

Auditorium

SESSION 2 Veterinary Virology

Chairs: **Vito Martella** (Bari),
Gabriele Vaccari (Rome)

16.30-16.50 The changing horizons
of virology in cats

Barbara Di Martino (Teramo)

16.50-17.10 Food virology: a winding road
balancing innovation
and standardization

Elisabetta Suffredini (Rome)

17.10-17.30 Avian Influenza - An expanding
global threat

Isabelle Monne (Padua)

17.30-18.30 Oral Presentation to be selected

PARALLEL SESSION

Mirabilis

SESSION 3 Diagnostics in human virology

Chairs: **Rossana Cavallo** (Turin),
Tiziana Lazzarotto (Bologna)

16.30-16.50 Antiviral drug resistance of
human cytomegalovirus in
immunocompromised patients

Irene Cassaniti (Pavia)

16.50-17.10 Role of cellular immune
response in viral diagnosis

Cristina Costa (Turin)

17.10-17.30 Strategies for testing
non-SARS-CoV-2 respiratory
viruses

Alessandra Pierangeli (Rome)

17.30-18.30 Oral Presentation to be selected

Sunday July 3th, 2022

PARALLEL SESSION	PARALLEL SESSION
Auditorium	Mirabilis
<p>18.30-19.30 Advancements of sample collection and transport in virology</p> <p>With the unrestricted educational grant of COPAN ITALIA SpA Chair: Arnaldo Caruso (Brescia)</p> <p>HPV Screening tramite autoprelievo: nuovi approcci nella prevenzione del carcinoma cervicale Clementina Elvezia Cocuzza (Milano)</p> <p>Detecting CMV shedding in pregnant women and newborns: are all swabs created equal? NgeeKeong Tan (London)</p> <p>The challenges of managing the COVID-19 pandemic pre-analytic to diagnosis Paolo Gaibani (Bologna)</p>	<p>18.30-19.00 With the unrestricted educational grant of ELITECHGROUP Chair: Carlo Federico Perno (Rome)</p> <p>Monitoring of cytomegalovirus infection in hematopoietic stem cell transplantation recipients undergoing letermovir prophylaxis Tiziana Lazzarotto (Bologna)</p> <p>19.00-19.30 With the unrestricted educational grant of DIASORIN (No CME accreditation)</p> <p>A novel diagnostic approach to differentiate Viral from Bacterial Infections Giancarlo Giaccone (Saluggia, VC)</p>

Monday July 4th, 2022

OPENING OF POSTER SESSION AND SPONSOR EXHIBITION

PLENARY SESSION

Auditorium

SESSION 4 - Virus-host interaction

Chairs: **Giorgio Gribaudo** (Turin), **Arianna Calistri** (Padua)

08.30-08.50 Towards a precision medicine approach by oHSV: from virus engineering to Preclinical models

Tatiana Gianni (Bologna)

08.50-09.10 Viral proteins knocking at the nuclear door: a tale of importins

Gualtiero Alvisi (Padua)

09.10-09.30 Toscana Virus and Antagonism to the innate immune response

Maria Grazia Cusi (Siena)

09.30-10.30 Oral Presentation to be selected

PARALLEL SESSION

Auditorium

SESSION 5 COVID-19 Diagnosis: novel perspectives

Chairs: **Massimo Clementi** (Milan), **Fabrizio Maggi** (Varese)

10.30-10.50 Upper respiratory tract and viral pathogens: what did we learn from SARS-CoV-2 infection?

Nicasio Mancini (Milan)

10.50-11.10 A rapid and scalable PCR-based test to detect SARS-CoV-2 cellular immunity administration

Ernesto Guccione (New York)

11.10-11.30 Cell-intrinsic immunity to sense SARS-CoV-2 infection

Roberta Rizzo (Ferrara)

11.30-12.30 Oral Presentation to be selected

12.30-13.30 **SIV-ISV MEMBERS' MEETING**

12.30-14.00 Lunch and Poster viewing

PARALLEL SESSION

Mirabilis

SESSION 6 Viral Vectors and gene therapy

Chairs: **Giuseppe Portella** (Naples), **Maria Cristina Parolin** (Padua)

10.30-10.50 Development of next generation of tumour-targeted replicating oncolytic viruses using an ideal immunocompetent animal model

Yaohe Wang (London)

10.50-11.10 Gene therapy of X-linked Myotubular Myopathy by systemic AAV vector

Fulvio Mavillo (Modena)

11.10-11.30 Vector genome integration and gene therapy: friends or foes

Pasquale Piccolo (Naples)

11.30-12.30 Oral Presentation to be selected

Monday July 4th, 2022

PLENARY SESSION

Auditorium

SESSION 7 Structural virology and biotechnology

Chairs: **Giorgio Palù** (Padua), **Massimiliano Galdiero** (Naples)

- 14.00-14.20 On the mechanism of antibody neutralization targeting the receptor binding domain of the SARS-CoV-2 spike protein
Felix Rey (Paris)
- 14.20-14.40 The potential of electron microscopy in understanding virus-host interactions: A study of HCMV morphogenesis
Clarissa Read (Ulma)
- 14.40-15.00 Structure-based drug design for antiviral drug discovery
Arianna Loregian (Padua)
- 15.00-16.00 Oral Presentation to be selected
- 16.00-16.30 *Coffee Break*

PARALLEL SESSION

Auditorium

SESSION 8 Viruses and Cancer

Chairs: **Franco M. Buonaguro** (Naples)

- 16.30-16.50 Role of human papillomaviruses in carcinogenesis
Massimo Tommasino (Bari)
- 16.50-17.10 HTLV-1 retrovirus infection and the road to Adult T-cell Leukaemia
Roberto Accolla (Varese)
- 17.10-17.30 Convergence between viral and tumor antigens
Luigi Buonaguro (Naples)
- 17.30-18.30 Oral Presentation to be selected

PARALLEL SESSION

Mirabilis

SESSION 9 Environmental and plant virology

Chairs: **Francesco Di Serio** (Bari), **Luisa Rubino** (Bari)

- 16.30-17.00 At the interface of host-virus interactions: cleavage of plant proteins by a potyvirus protease and potential applications for novel antiviral strategies
Hélène Sanfancon (Summerland)
- 17.00-17.30 A virus by any other name: The new binomial nomenclature for virus species
Francisco Murilo Zerbini (Viçosa)
- 17.30-18.30 Oral Presentation to be selected

PLENARY SESSION

Auditorium

18.30-19.00 Plenary Lecture

Chairs: **Arnaldo Caruso** (Brescia), **Franco M. Buonaguro** (Naples)

- 18.30-19.00 Role of RNA viruses in human diseases
Robert C. Gallo (Baltimore)

20.30 *Social dinner*

Tuesday July 5th, 2022

PLENARY SESSION

Auditorium

SESSION 10 - Infection, Immunity and Vaccines

Chairs: **Fausto Baldanti** (Pavia), **Mauro Pistello** (Pisa)

08.30-08.50 Advances in Vaccine Technologies
Mauro Pistello (Pisa)

08.50-09.10 Immune Responses to Old and New Vaccines
Sergio Abrignani (Milan)

09.10-09.30 Regulatory Process Leading to Decisions on Vaccines: Focus on COVID-19
Silvia Cammarata (Rome)

09.30-10.30 Oral Presentation to be selected

PARALLEL SESSION

Auditorium

SESSION 11 Viral pathogenesis and Disease

Chairs: **Guido Antonelli** (Rome),
Maurizio Zazzi (Siena)

10.30-10.50 Update on hepatitis E virus
Maria Rosaria Capobianchi (Rome)

10.50-11.10 Update on HBV/HCV/HDV virology and diagnostics
Francesca Ceccherini-Silberstein (Rome)

11.10-11.30 Update on HBV/HCV/HDV therapeutics
Raffaele Bruno (Pavia)

11.30-12.30 Oral Presentation to be selected

PARALLEL SESSION

Mirabilis

SESSION 12 Antiviral Therapy

Chairs: **Arnaldo Caruso** (Brescia),
Gianluigi Franci (Naples)

10.30-10.50 Tetravalent Antibody Drugs for Ultrapotent and Broad Neutralization of SARS-CoV-2 Variants
Giuseppe Novelli (Rome)

10.50-11.10 Searching for direct acting agents targeted to SARS-CoV-2 proteins
Enzo Tramontano (Cagliari)

11.10-11.30 Estrogen Signaling in Infectious Diseases
Marcello Allegretti (L'Aquila)

11.30-11.50 Fixed Dose Combinations of Drugs Synergistically Active Against SARS-CoV-2
Franco Lori (Alghero)

11.50-12.30 Oral Presentation to be selected

PLENARY SESSION

Auditorium

SESSION 13 - Highlights in HIV pathogenesis and therapy

Chairs: **Matteo Porotto** (Napoli)

11.30-12.00 HIV-1 mutants expressing B cell clonogenic matrix protein p17 variants are increasing their prevalence worldwide
Francesca Caccuri (Brescia)

12.00-12.30 New frontiers in HIV therapeutics
Francesco Castelli (Brescia)

12.30-13.00 **Luria and Viruses Award 2022**

13.00-13.30 Closing remarks

13.30-14.00 Delivery and compilation CME questionnaire

General Informations

REGISTRATION

Online Registration: www.congressosivisv.com

Registration Type (22% VAT included)	Registration Fee by May 31 st , 2022	Registration Fee after May 31 st , 2022
RES CONGRESS SIV-ISV NON-MEMBER Medical Doctor, Veterinarian, Pharmacist, Biologist/Biotechnologist, Medical laboratory technician, Nurse The fee includes: - registration at congress - registration in SIV-ISV for 2022**	€ 200,00 (€ 164,00 + 36,00 VAT at 22%)	€ 250,00 (€ 205,00 + 45,00 VAT at 22%)
RES CONGRESS SIV-ISV MEMBER Medical Doctor, Veterinarian, Pharmacist, Biologist/Biotechnologist, Medical laboratory technician, Nurse	€ 150,00 (€ 123,00 + 27,00 VAT at 22%)	€ 200,00 (€ 164,00 + 36,00 VAT at 22%)
FAD CONGRESS Medical Doctor, Veterinarian, Pharmacist, Biologist/Biotechnologist, Medical laboratory technician, Nurse	€ 120,00 (€ 98,00 + 22,00 VAT at 22%)	
RES AND FAD CONGRESS Post-graduate student* / Scholarship fellow* / Student* / Research fellow *	Free	

* Subject to approval by SIV-ISV

** Please email a certificate of registration to: info@nadirex.com
or fax it to +39-0382-525736

REGISTRATION FEE

The registration fee includes:

- Participation in scientific works
- Congress kit
- Certificate of participation and ECM Certificate
- Coffee break and working lunch as per programme
- Social dinner - Monday July 4th, 2022
- Post event educational material
- Abstract Book

General Informations

RES CONGRESS VENUE

HOTEL ROYAL CONTINENTAL
Via Partenope, 38 - 80122 Naples (Italy)

FAD CONGRESS

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Informazioni ECM

ECM (Educazione Continua in Medicina)

Evento accreditato presso il Ministero della Salute

Destinatari dell'iniziativa:

- **Medico Chirurgo** (Tutte le discipline)
- **Infermiere**
- **Biologo**
- **Farmacista** (Farmacia Ospedaliera, Farmacia Territoriale)
- **Psicologo** (Psicoterapia, Psicologia)
- **Chimico** (Chimica Analitica)
- **Veterinario** (Tutte le discipline)
- **Tecnico Sanitario di Laboratorio Biomedico**

ECM RES N. 265-354341 - Nr. 4,5 crediti formativi - Nr. Partecipanti 300

Per conseguire i crediti ECM relativi all'evento residenziale è obbligatorio:

- Partecipare al 90% delle attività formative
- Compilare correttamente il questionario ECM (l'attribuzione dei crediti è subordinata al superamento del 75% delle risposte corrette)
- Compilare la scheda di qualità percepita evento RES
- Compilare la scheda indagine bisogni formativi
- Firmare il registro presenza all'inizio ed al termine dei lavori
- Aver compilato la dichiarazione di reclutamento da parte di Sponsor (da consegnare all'inizio della giornata)

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- Compilare correttamente il questionario ECM (l'attribuzione dei crediti è subordinata al superamento del 75% delle risposte corrette)
- Compilare la scheda di qualità percepita evento FAD
- Compilare la scheda indagine bisogni formativi
- Firmare il registro presenza all'inizio ed al termine dei lavori
- Aver compilato la dichiarazione di reclutamento da parte di Sponsor (da allegare all'atto dell'iscrizione o inviare per mail info@nadirex.com)

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Indirizzo mail (per iscriversi), browser web recente ed aggiornato, connessione ad internet, dispositivi per usufruire dei contenuti didattici (pc, smartphone o tablet) dotati di casse (o cuffie) e microfono.

MODALITÀ E TERMINI DI ISCRIZIONE

Iscrizione online: www.nadirex.org

Scadenza iscrizione: 1.07.2022

La Segreteria si riserva di riconfermare l'avvenuta iscrizione.

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