



European Society  
for Clinical Virology



MILANO

25° ESCV 2023

30 AUGUST – 2 SEPTEMBER

PRELIMINARY PROGRAM

[www.escv2023.org](http://www.escv2023.org)

# UNDER THE AUSPICES OF



Sistema Socio Sanitario



# WELCOME TO 25° ESCV CONGRESS

Dear Colleagues and Friends,

On behalf of the Congress Organizing Committee of the European Society for Clinical Virology, I would like to invite all of you to the 25th Annual Meeting of the ESCV which will take place in Milano, Italy, 30 August - 2 September 2023.

The meeting, consisting of presentations, symposia, discussions, open sessions and workshops, will be an engaging experience for expert clinical virologists and young scientists attending the ESCV for the first time. Topics of the 25th ESCV Annual Meeting will be focused on the state of the art as well as the most recent discoveries and innovations in Clinical Virology and will include: respiratory viruses, gastrointestinal viruses, neurovirology, virus-associated tumors and immunocompromised hosts, hepatitis and HIV, viral infections in pregnancy, emerging and re-emerging viruses, immune response and vaccines, advancements in diagnostics and one health approach in preventing outbreaks, epidemics and pandemics. High scientific profile industry-sponsored workshops are also welcome.

The meeting will be held at MiCo Convention Center, one of Europe's largest convention centers based in Milano. Here, outstanding facilities and versatile exhibition areas welcome every event with the perfect ambience, with quick connections to the city public transportation network and international airports.

The city of Milano is the ideal frame for any kind of event thanks to its leading role as business and financial capital of the country, internationally recognized as one of the world's most important hubs for events, fashion, design, art and history. The Duomo, as well as the city's museums and art galleries, collect masterpieces of some of the most fascinating European art movements, while Teatro La Scala has welcomed celebrated composers and a variety of international performers and conductors. Milano is also home to the biggest names in the fashion industry, such as Valentino, Prada, Armani, Dolce & Gabbana, etc, and it is an important hub for designers.

Over the years, Milano has also opened the doors to the traditions of quite a few types of international cuisine, still preserving its long-standing local tradition of food, wine and the ritual aperitivo, thus offering to any kind of event the best welcome!

Looking forward to welcoming you in Milano in August 2023,

Fausto Baldanti  
Congress President

Professor Pamela J. Vallely  
ESCV President

## COMMITTEE

Javier Buesa (Spain)

Mariet Feltkamp (The Netherlands)

Heli J. Harvala (United Kingdom)

Xavier Lopez (Spain)

Catherine Moore (United Kingdom)

Marcus Panning (Germany)

Elena Pariani (Italy)

Antonio Piralla (Italy)

Maria São José Alexandre (Portugal)

George Sourvinos (Greece)

Pamela Vallely (United Kingdom)

### Fausto Baldanti

Department of Clinical,  
Surgical, Diagnostic and  
Pediatric Sciences University  
of Pavia, Italy

Microbiology and Virology  
Dept., Fondazione IRCCS  
Policlinico San Matteo, Pavia,  
Italy



WEDNESDAY  
AUGUST 30

15.00-16.30 S1 - One Health approach in preventing outbreaks, epidemics and pandemics, *Chairs: T. Bakonyi, A. T. Palamara*

Lecture by M. Koopmans: "One Health Approach in preventing outbreaks, epidemics and pandemics"

ORAL PRESENTATION

**Biomerieux Award:** The clinical impact of multiplex PCR panel diagnostics: Still a long way to go?

*M. Panning*

Detection of influenza A H5N1 in Eurasian Otters Screened as Part of a Public Health Safety Measure Prior to Research Autopsy – a possible approach for the passive surveillance of avian to mammal spillover events

*K. Pheasant*

Was a pig virus responsible for the death of the first pig-to-human heart transplant recipient?

*C. Crossan*

Surveillance of SARS-COV-2 variants in wastewater of airplanes

*E. Wollants*

16.30-18.00 S2 - Emerging and re-emerging viruses, *Chairs: T. Fischer, A. Papa*

Lecture by L. Barzon: "West Nile virus: an update on the epidemiology, pathogenesis, and diagnosis"

ORAL PRESENTATION

Building-Level Wastewater Surveillance Localizes Interseasonal Influenza Variation

*J.J. Miranda*

Enabling genomic surveillance and outbreak analysis of mpox virus by development of a novel amplicon based Nanopore sequencing approach

*M. Jonges*

In vitro models to assess auto-Abs neutralizing the protective effect of type I IFNs against WNV infection

*A. Ferrari*

Exploring the neuropathogenicity of emerging strains of west nile virus lineage 1 and 2 S

*A. Sinigaglia*

18.00-19.00 **ESCV Council Meeting**

19.00-20.00 **WELCOME CERIMONY, F. Baldanti**

**WELCOME COCKTAIL**

THURSDAY  
AUGUST 31

8.00-9.00 Industry Symposia

9.00-10.30 S3 - Viruses in immunocompromised patients/Virus-associated tumors, *Chairs: H. Hirsch, J. M. Miró*  
Lecture by F. Locatelli

ORAL PRESENTATION

Expression of human endogenous retroviruses (herv) in clinical specimens of patients with colon cancer

*M. Dolci*

Epstein-Barr Virus LMP-1 Peptide Variants and Host-Encoded HLA-E Alleles are Novel Biomarkers for EBV-associated Lymphoproliferative Diseases

*H. Vietzen*

CMV-RNAemia as new marker of active viral replication in transplant recipients

*L. Gabrielli*

Updated Epidemiology of Cytomegalovirus Resistance to Letermovir in France

*D. Andouard*

10.30-11.00 COFFEE BREAK

11.00-12.30 S4 - Immune response to viral infections/vaccines, *Chairs: G. Sourvinos, E. Puchhammer*

Lecture by S. Abrignani: "Vaccination strategy to follow SARS-CoV-2 variants throughout pandemic: Seeking effector immune responses rather than memory"

ORAL PRESENTATION

Tixagevimab + cilgavimab as pre-exposure prophylaxis for SARS-CoV2 in immunocompromised patients

*G. L. Esposito*

Low immunogenic response to SARS-CoV-2 vaccine-boost in Cancer patients: case series from Portugal

*T. Dias*

The protective mechanism against COVID-19, antibody vs cellular immunity

*K. Shrwani*

Convalescent plasma treatment of COVID-19: Antibody profiles of donors and patients

*V. Nurmi*

12.30-14.30 LUNCH

# THURSDAY AUGUST 31

13.00-14.00 Industry Symposia

14.30-16.00 S5 - Hepatitis and HIV, Chairs: M. Panning, C. Perno

Lecture by J. M. Miró: "Antiretroviral Therapy in people living with HIV: Past, present and future"

## ORAL PRESENTATION

Downtrend HCV and HBV viremia prevalence in dialysis patients in South Bulgaria  
*R. Komitova*

Molecular characterisation of a rabbit Hepatitis E Virus strain detected in a chronically HEV-infected individual from Germany

*D. Harms*

Ultra-sensitive HBV DNA detection and risk prediction of occult hepatitis B virus infection in blood donors in England

*Fu Michael X*

Characterization and role of HIV-DNA minority mutations in a long-term treated paediatric patients cohort

*L. Colagrossi*

16.00-16.30 COFFEE BREAK

16.30-17.30 S6 - Clinical cases, Chairs: M. Feltkamp, E. Badaby

## ORAL PRESENTATION

Acute renal failure: uncommon complication of Epstein-Barr virus infectious mononucleosis

*A. Tokpassi*

A retrospective review of Parvovirus B19 viraemia in renal transplant patients in a London transplant centre

*C. Norris-Grey*

Investigating multiple years of within host evolution of hepatitis E virus in a immunocompromised patient with encephalitis and ribavirin treatment failure

*M. Welkers*

Donor Derived Herpes simplex virus (HSV) hepatitis in Kidney Transplant Recipients: A Series of Two cases and Review of the Literature

*B. Rathish*

17.30-18.30 Poster Session I

# FRIDAY SEPTEMBER 1

8.00-9.00 Industry Symposia

9.00-10.30 S7 - Respiratory viruses, Chairs: E. Pariani, C. Moore  
Lecture by P. Openshaw

## ORAL PRESENTATION

Monitoring of nasal Type I IFN response during viral respiratory infections: Respiferon study

*D. Parraud*

Herpes simplex virus is an important lung pathogen in critically ill patients – ten years experience

*P. Hubacek*

Epidemiology, clinical presentation and Whole Genome Sequencing of Human Respiratory Syncytial Virus in the 2022/2023 winter season

*G. Ferrari*

Prevalence of viral respiratory pathogens in deceased persons: a multiplex qPCR-based study covering 16 viruses in >7500 post-mortem samples

*S. Pfefferle*

10.30-11.00 COFFEE BREAK

11.00-12.30 S8 - Gastrointestinal viruses, Chairs: S. Dudman, M. São José Alexandre

Lecture by J. Vinjé: "Norovirus disease: will it be vaccine preventable in 5 years?"

## ORAL PRESENTATION

Prevalence of gastrointestinal pathogens by multiplex pcr gastrointestinal panel stool test in patients with and without inflammatory bowel disease

*S. Erganis*

Detection of viral agents causing gastroenteritis by multiplex pcr method in patients; norovirus, rotavirus, adenovirus, astrovirus, sapovirus

*M. Hager*

Genetic Diversity of Group A Rotavirus Circulating in Ireland between 2015-2021 Identified Through Nanopore Whole-Genome Sequencing

*Z. Yandle*

Analytical and clinical validation of a lab-developed, fully automated high-throughput multiplex-PCR panel for the detection of seven gastrointestinal viruses: Norovirus GT1, Norovirus GT2, Rotavirus, Adenovirus, Sapovirus, Astrovirus and Enterovirus

*D. Noerz*

# FRIDAY SEPTEMBER 1

12.30-14.30 LUNCH and [Poster Session II](#)

13.00-14.00 Industry Symposia

14.30-16.00 [S9 - Virus-associated neurologic syndromes, Chairs: H. Harvala, P. Klapper](#)

Lecture by K. Messacar: "Challenges in Diagnosis and Surveillance of Virus-Associated Neurologic Syndromes"

## ORAL PRESENTATION

**Abbott Award:** Virus-associated neurologic syndromes  
*M. Graninger*

Viral and human transcriptomic investigation of cerebrospinal fluid specimens from patients with herpes simplex virus and varicella-zoster virus infections of the central nervous system

*S. Burrel*

A recent surge of subacute sclerosing panencephalitis (SSPE) in Algeria, 2022-2023

*M. A. Beloufa*

Evaluation of chemokines in serum and cerebrospinal fluid of children with tick borne encephalitis

*A. Sulik*

16.00-17.30 [S10 - Infections in pregnancy - Co-hosted by the ECCI Network, Chairs: T. Lazzarotto, P. Vallely](#)

Lecture by A. Vossen: "Congenital cytomegalovirus infection: From bedside to bench"

## ORAL PRESENTATION

HCMV glycoprotein M has 3 distinct genotypes among clinical isolates

*A. Al Alford*

Evidence of Increase Risk of Severe SARS-CoV-2 Infection Among Pregnant Women With Malaria Co-infection

*A. Aliyu Isah*

Expression Patterns of Cellular Receptors of the Cytomegalovirus in the Fetal Human Inner Ear

*L. Grijpink*

Diagnostic performance of Dried Blood Spot (DBS) molecular test for detecting congenital CMV (cCMV) infection in neonates born to women with non-primary CMV infection

*L. Pellegrinelli*

17.30-18.30 **GENERAL ASSEMBLY**

# SATURDAY SEPTEMBER 2

9.00-10.30 [S11 - Advancements in diagnosis and monitoring Genomics, Metagenomics and virus discovery advancements in prevention and treatment - Cohosted by the ENNGS Network, Chairs: F. Baldanti, X. Lopez](#)

Lecture by C. Chiu: "Metagenomic Sequencing for Diagnosis and Surveillance of Emerging Viral Infections"

## ORAL PRESENTATION

**Heine-Medin Award:** The Next Generation of Clinical Virology  
*M. Perdomo*

Apid and Sensitive Single-Sample Viral Metagenomics using Nanopore Flongle Sequencing

*I. Pichler*

Determinants of positivity and impact of clinical metagenomics: a 3 years' prospective study in France

*J. Fourgeaud*

Performance of metagenomics NGS probe-based pathogen detection in clinical samples

*R. Ferreira*

10.30-12.00 [ENPEN Session](#)

Neonatal Enteroviral Sepsis - case of Echovirus 11 (EV-11)

*S. A. Feeney*

A pilot study for an international surveillance model capturing severe neurological enterovirus and parechovirus infections

*C. K. Johannesen*

Epidemiological and molecular characterization of human Enterovirus in outpatients and hospitalized patients with acute respiratory illness in Lombardy (Northern Italy), from July 2021 to April 2023

*L. Pellegrinelli*

The environmental surveillance for enteroviruses: from a historical perspective to the state of art

*L. Bubba*

Cluster of neonatal enterovirus myocarditis cases in Cardiff, United Kingdom

*C. Moore*

12.00-13.00 **CLOSING CEREMONY**

# REGISTRATION FEES

All delegates must register for the congress. Registration fees are as follows:

	<b>EARLY</b> (until 1 June 2023)	<b>LATE</b> (from 1 June)	<b>ON SITE</b>
<b>ESCV Member</b>	500 €	580 €	660 €
<b>Non Member</b>	580 €	580 €	740 €
<b>Student</b>	380 €	460 €	540 €

included 22% vat

Registration in the STUDENT category is only open to people able to provide a valid official certificate. To validate this, documentary proof of this status must be forwarded to the e-mail: [federica.donzelli@mzevents.it](mailto:federica.donzelli@mzevents.it)

## The Registration Fee includes:

- › Entrance to Scientific Sessions, Industry-Sponsored Workshops, Posters Sessions and Exhibition
- › Possibility to submit abstracts
- › Certificate of attendance by e-mail after the Congress
- › Coffee and Lunches during the Congress

## Remittance:

Registration fees shall be paid by credit card or bank transfer through the online system available on the congress website. When paying by bank transfer, a copy of the transfer receipt must be sent to [federica.donzelli@mzevents.it](mailto:federica.donzelli@mzevents.it).

Registrations without proof of payment will not be accepted. On-site registrations may be paid only by credit card or cash. Cheques will not be accepted. The organising secretariat will send registration receipt upon receipt of payment, via e-mail. Be sure your e-mail address is filled in correctly.

## Cancellation and Refund:

Cancellations must be sent in writing to [federica.donzelli@mzevents.it](mailto:federica.donzelli@mzevents.it).

The amount equal to 80% of the fee paid will be refunded for cancellations received by 1 June 2023. Until 1 July, 2023 a refund of 50% of the fee will be granted. After 1 July no refunds will be issued. All refunds will be paid in euros after the congress.

## Cancellation of the Congress:

The congress secretariat reserves the right to cancel the congress, shift venue, or change dates without notice, in case of "force majeure". Neither MZ Events nor the Congress Organising Committee shall be liable for any damage claims.

## Personal Invitation for VISA purposes:

An official letter of invitation will be sent to you upon request. The invitation letter may be used by visitors to raise travel funds or to obtain a visa, but is not a commitment on the part of the organisers to provide any financial support. Please contact the Organising Secretariat, [federica.donzelli@mzevents.it](mailto:federica.donzelli@mzevents.it), to request a letter of invitation.

## Visas requirements:

Depending on the nationality of the delegates it may be necessary to obtain a visa before leaving. We recommend asking your country's Italian Embassy or visiting the following website [vistoperitalia.esteri.it](http://vistoperitalia.esteri.it)

## Liability and Insurance:

Registration fees do not include the insurance of participants against personal accidents, sickness and cancellations by any party, theft, loss or damage to personal possessions. Participants are advised to take out adequate personal insurance to cover travel, accommodation, cancellation and personal effects.

# GENERAL INFORMATION

## POSTER

Posters will be arranged by topic and display in the Congress Venue.

Posters will be numbered and must be exposed for the duration of the congress.

In order to encourage discussion poster presenting Authors must be at the assigned poster panel in the following time slots:

Thursday 31 August 17.30-18.30

Friday 1 September 12.30-14.30

## LANGUAGE

The official language of the Congress is English. Simultaneous translation is not provided.

## NAME BADGE

A name badge will be required to access to the conference area.

Participants will receive a name badge at check in at registration desk. Delegates and exhibitors must display the official badge at all times.

## CONGRESS KIT

The congress kit can be picked up at the Congress Kit Desk, upon presentation of the congress-kit ticket provided with your badge.

## HOTEL

For any information please contact MiCodmc

P.le Carlo Magno 1 - 20149 Milan - Italy

Tel.: +39 02 43426288

Email: [escv-milan.hotel@micodmc.it](mailto:escv-milan.hotel@micodmc.it)

## INDUSTRY EXHIBITION

Participants are encouraged to visit the industry exhibition, which will be accessible for the duration of the congress.

## WI FI

Wi-Fi will be available in the conference area.

## AUDIOVISUAL CENTRE

Speakers are kindly requested to bring their presentation to the audiovisual centre on a USB drive at least one hour before the presentation is scheduled. Personal laptops cannot be connected to the system.

## CERTIFICATE OF ATTENDANCE

A certificate of attendance will be sent by e-mail after the end of the Congress.

# CONGRESS VENUE

## Allianz MiCo

### Milano Convention Centre

via Gattamelata - Gate 15

Milano Convention Centre is right in the centre of Milan

4 km from the Duomo



## HOW TO REACH MICO



### Buses & Trams

Bus no. 78 get off at Colleoni/Gattamelata

Tram no. 19 get off at Boezio



### Lilac Line 5

Get off at the "Portello" stop, walk along via Colleoni and, on the right, via Gattamelata for approx. 450 m, otherwise get off at the "Domodossola FNM" stop, and walk about 600 m towards the Congress Centre.



### Red Line 1

Get off at the "Cadorna" stop, exit the subway and go to the railroad station above : take the first train departing and get off at the "Domodossola" stop just 600 m from the Congress Centre.



### Yellow Line 3

Get off at the "Duomo", switch to the Red Line 1 (RHO Fiera Milano direction) Get off at the "Cadorna" stop, exit the subway and go to the railroad station above : take the first train departing and get off at the "Domodossola" stop - just 600 m from the Congress Centre.