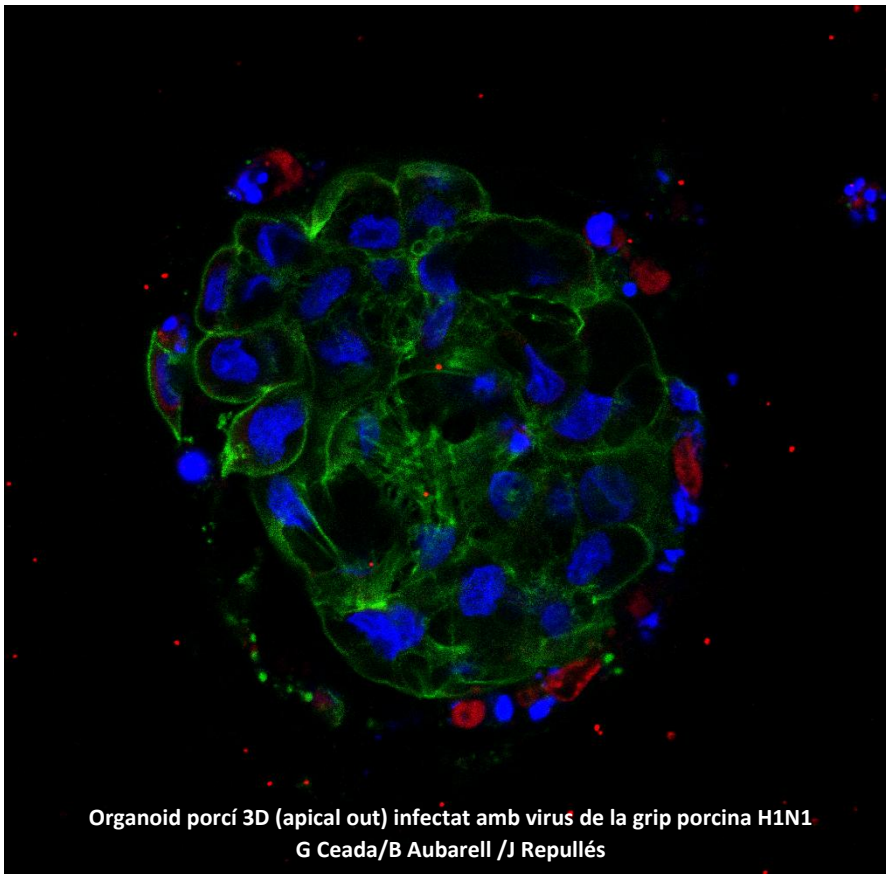
IEC Institut d'Estudis Catalans

Societat Catalana de BIOLOGIA

XXV Jornada de Virologia – Virology Meeting 2026



Organoid porcí 3D (apical out) infectat amb virus de la grip porcina H1N1
G Ceada/B Aubarell /J Repullés

Organització: Secció de Virologia de la SCB

10 Novembre 2026

Coordinadores de la Secció de Virologia de la Societat Catalana de Biologia i coordinadores de la Jornada:
Sílvia Bofill-Mas i Susana Guix

Comitè científic:
Jordi Argilaguet
Beatriz Eugenia Escudero
Nuria Izquierdo-Useros
Maëlle Locatelli
Juan José López-Moya
Elisa Martró
Josep Quer
Ferran Tarrés-Freixas
Dolors Vaqué

Amb el suport de:

PROGRAM

9:00h WELCOME Sílvia Bofill-Mas & Susana Guix

9:15-9:45h OPENING LECTURE

Chair: J Quer

«Dissecting Viruses to Help Prevent the Next Pandemic» (20'+10')

Dr. Rafael Sanjuan, Departament Genètica, Universitat de València

9:45-10:55h SESSION I. Virus–Host Biology: From Cell Entry to Host Adaptation and Immune Control

Chairs: B Escudero & J Argilaguet

ORAL PRESENTATIONS I

O1. Viral determinants of host adaptation to tomato and cucurbits in Tomato leaf curl New Delhi virus strains (8'+2')

Romanos Zois - Wageningen University & Research

O2. Correlative cryogenic light, soft X-ray and electron microscopy (CLEXM) reveals lipid droplet-associated replication compartments and spatially segregated virion maturation in West Nile virus-infected cells (8'+2')

Ana Joacquina Perez - ALBA Synchrotron Light Facility

O3. HEV and HAV differ in their host factor requirements for cell entry (8'+2')

Alba Arrebola (*) – Universitat de Barcelona (UB)

O4. Early virus-host interactions following infection with virulent and attenuated African swine fever virus strains (8'+2')

Enrique Ezcurra (*) - Unitat Mixta d'Investigació IRTA-UAB en Sanitat Animal, Centre de Recerca en Sanitat Animal (CReSA), Campus de la Universitat Autònoma de Barcelona (UAB)

O5. Intradermal or intranasal delivery of microparticulated ASFV proteins distinctly modulates the immune response (8'+2')

Elena Coatu (*) - Unitat Mixta d'Investigació IRTA-UAB en Sanitat Animal, Centre de Recerca en Sanitat Animal (CReSA), Campus de la Universitat Autònoma de Barcelona (UAB)

10:45-10:55h SPONSORS PRESENTATION

10:55-11:25h COFFEE BREAK

11:25-12:45h SESSION II. Genomics-Driven Insights into Viral Transmission, Emergence and Public Health

Chairs: D Vaqué & E Martró

ORAL PRESENTATIONS II

O6. Clinical implementation of genomic epidemiology reveals multiple introductions and cryptic transmission in SARS-CoV-2 nosocomial outbreaks over four years (8'+2')

David Panisello (*) - Institut de Recerca Germans Trias i Pujol (IGTP)

O7. Seasonal and post-pandemic dynamics of paediatric enterovirus syndromes in Catalonia: primary care surveillance, 2014-2026 (8'+2')

Víctor López de Rioja – Universitat Politècnica de Catalunya (UPC)

O8. Identification of acute HCV infections and transmission clusters in people who inject drugs in Catalonia by sequencing from dried blood spots (8'+2')

Ona Torrejón-Llorens (*) - Institut de Recerca Germans Trias i Pujol (IGTP)

O9. Aerosol-Based Surveillance of Bat-Associated Viral Diversity Using Targeted Enrichment Sequencing (8'+2')

Sandra Martínez-Puchol – Universitat de Barcelona (UB)

O10. Phenotypic Characterisation of Circulating Vaccine-Derived Poliovirus Type 2 Haplotypes: A Computational Approach (8'+2')

David Garcia-Pedemonte (*) – Universitat de Barcelona (UB)

O11. Is water an overlooked source of emerging viruses in pig farms? (8'+2')

Mafalda Abellaned-Carrión – Universitat de Barcelona (UB)

O12. Zero-Shot Virology: Predicting Viral Fitness in the Age of LLMs (8'+2')

David Masnou – Nostrum Biodiscovery

12:45-14:00h ROUND TABLE

Chairs: F Tarrés-Freixas & N Izquierdo-Useros

La intel·ligència artificial, les òmiques i el big data reinventaran la virologia?

- Roger Castells-Graells, Centro Nacional de Investigaciones Oncológicas (CNIO)
- Enric Àlvarez, Departament de Física, Universitat Politècnica de Catalunya
- Itziar de Lecuona, Observatori de Bioètica i Dret, Universitat de Barcelona
- Miguel Romero, Barcelona Supercomputing Center, Centro Nacional de Supercomputación

14:00-15:00h LUNCH

15:00-15:30h BEST VIROLOGY DOCTORAL THESIS 2025-2026 AWARD

Chair: S Guix

Multidimensional correlates of reservoir seeding in a group of PWH with extremely low viral reservoirs to reverse immune dysfunction toward HIV-1 remission (20'+10')

Irene González-Navarro, Fundació Privada Institut de Recerca sobre Immunopatologies-Caixa (IrsiCaixa), Hospital Universitari Germans Trias i Pujol (HUGTiP), i Institut de Recerca Germans Trias i Pujol (IGTP)

15:30-16:40h SESSION III. Viral Persistence, Immune Modulation, and Antiviral Innovation

Chair: M Locatelli & J López-Moya

ORAL PRESENTATIONS III

O13. HIV-1 Proviral Reservoir Size and Dynamics During Persistent Low-Level Viremia on ART (8'+2')

Elisa Moraga (*) - IDIBAPS, Hospital Clínic, Universitat de Barcelona, CIBERINFEC

O14. Spatial profiling of HBV and HDV infection in human liver samples reveals reversible phenotype upon clearance of HDV RNA (8'+2')

Maria Saez-Palma (*) - IDIBAPS, Hospital Clínic, Universitat de Barcelona, CIBEREHD

O15. A viral immunoevasin-inspired CD48-Fc mutant simultaneously targets CD244 and CD2 to modulate NK- and T-cell function (8'+2')

Olga Bautista-Cerecero (*) – Universitat de Barcelona

O16. The conserved proteomic footprint of infection illuminates novel broad-spectrum antivirals targeting host factors (8'+2')

Irene Silva (*) - IrsiCaixa

O17. CD169/Siglec-1 contributes to RSV capture and transfer at the virus–host interface (8'+2')

Eva Armendariz-Burgoa (*) - IrsiCaixa

O18. Repurposing of clinically approved drugs targeting macropinocytosis inhibits MPXV infection (8'+2')

Dàlia Raïch-Regué – IrsiCaixa

16:40-16:45h Diccionari de Virologia - TERMCAT

16:45-17:15h SESSION IV – Keynote lecture

Chair: S Bofill

«Impacte de BST2 en l'evolució i la propagació del SARS-CoV-2» (20'+10')

Dr Ruth Serra-Moreno, Department of Microbiology and Immunology, University of Rochester Medicine

17:15-17:25h BREAK

17:25-17-40h AWARDS, COMMENTS/SUGGESTIONS AND CLOSURE

(*) Estudiants no doctors que opten al premi a millor presentació.