

Virology Days 2025

PROGRAM

6.-7.2.2025, Rantasipi auditorium, hotel Laajavuori, Jyväskylä

Thursday 6.2

10:00- Registration

11:30-12:30 Lunch, exhibition and poster viewing

12.30-12.45 Opening words
Organizers

12:45-14:00 Session I: Clinical research I

Chair: Varpu Marjomäki, Mira Laajala

CHANGING PATHOGENESIS OF ENTEROVIRUSES: LESSONS FROM THE PAST TO GUIDE OUR FUTURE

Heli Harvala, University of Turku

INDIVIDUAL PATIENT AND DONOR SEROFILES IN CONVALESCENT PLASMA TREATMENT OF COVID-19 IN REMAP-CAP CLINICAL TRIAL: WAS IT TOO LITTLE AND TOO LATE?

Visa Nurmi, University of Helsinki

WHO PRIORITIZATION FOR PANDEMIC PREPAREDNESS: PARVOVIRIDAE

Maria Söderlund-Venermo, University of Helsinki

ALTERED SPIKE DYNAMICS DRIVES IMMUNE EVASION OF SARS-CoV-2

Kalle Saksela, University of Helsinki

14:00-14:15 Break, exhibition

14:15-15:15 Session II: Virus-host interactions I

Chairs: Maija Vihinen-Ranta, Salla Mattola

VIRAL HIJACKING OF PIONEER ACTIVITY: UNVEILING A DEVELOPMENTAL TRANSCRIPTION FACTOR'S ROLE IN ONCOGENIC VIRAL INFECTION

Päivi Ojala, University of Helsinki

HERPES SIMPLEX VIRUS VECTOR EXPRESSING DECORIN DISPLAYS IMPROVED ONCOLYTIC EFFECT *IN VITRO* AND *IN VIVO*

Veijo Hukkanen, University of Turku

HEAT SHOCK FACTOR 2 POSITIVELY REGULATES ONCOGENIC HERPESVIRUS GENE EXPRESSION BY REMODELING THE CHROMATIN LANDSCAPE

Lorenza Cutrone, Åbo Akademi University, Turku

NUCLEUS SOFTENS DURING HERPESVIRUS INFECTION

Visa Ruokolainen, University of Jyväskylä

15:15-15:45 Coffee, exhibition and poster viewing

15:45-16:45 Session III: Viruses of micro-organisms and mosquitos

Chairs: Elina Laanto, Karyna Karneyeva

BACTERIOPHAGE COUNTERACT *IN VITRO*-DYSBIOSIS INDUCED BY PSEUDOMONAS AERUGINOSA IN A MUCOSAL ENVIRONMENT

Daniel Patricio, University of Jyväskylä

PHAGE-ANTIBIOTIC COMBINATION THERAPY AGAINST RECURRENT PSEUDOMONAS SEPTICAEMIA IN A PATIENT WITH AN ARTERIAL STENT

Saija Kiljunen, University of Helsinki, PrecisionPhage Ltd, Jyväskylä

CHARACTERISATION OF A NOVEL JUMBO PHAGE COLLECTION

Meeri Niemi, University of Jyväskylä

NOVEL MOSQUITO-ASSOCIATED ORBIVIRUSES IN FINLAND

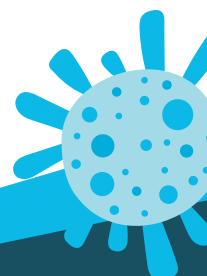
Maija Suvanto, University of Helsinki

16:45-18:00 Poster session, exhibition with aperitive/snack and voting for the best poster prize

18:00-20:00 Freetime activities (skiing, spa, bowling...)

20:00- Dinner

Travel grants, best poster prizes (BioNordika New England Biolabs)



Virology Days

2025

PROGRAM

Friday 7.2

9:00-10:15

Session IV: Clinical research II

Chairs: Lotta-Riina Sundberg, Daniel Patricio

BIPARATOPIC RBD TARGETING BY MULTIMERIC SHERPABODIES POTENTLY NEUTRALIZES IMMUNOEVASIVE VARIANTS OF SARS-COV-2

Petja Salminen, University of Helsinki

ACCURATE AND EFFICIENT ANALYSIS OF VIRAL INTEGRATION LANDSCAPES

Zachery Dickson, University of Helsinki and Helsinki University Hospital

EVOLUTIONARY DIVERGENCE OF GENUS ORTHOHANTAVIRUS: INSIGHTS FROM *O. TULAENSE* AND *O. DOBRAVAENSE*

Mert Erdin, University of Helsinki

EFFECTS OF HOST ALTERNATION CYCLE ON ZIKA VIRUS FITNESS

Lucilene Granella, University of Jyväskylä

DETECTION OF CVDPV2 IN WASTEWATER SAMPLES IN FINLAND: A PUBLIC HEALTH ALERT

Haider Al-Hello, National Institute for Health and Welfare

10:15-10:45

Coffee and exhibition

10:45-12:00

Session V: Virus-host interactions II

Chairs: Reetta Penttinen, Matti Jalasvuori

DISCOVERY OF NOVEL ANTIVIRAL TARGETS FOR ALPHAVIRUSES BY NETWORK ANALYSIS

Chaolun Liu, University of Helsinki

EFFICIENT RE-PURPOSED ANTIVIRAL VEMURAFENIB AGAINST ENTEROVIRUSES

Mira Laajala, University of Jyväskylä

STRUCTURAL BASIS OF SARS-COV-2 INHIBITION BY SMALL ENGINEERED PROTEINS

Liina Hannula, University of Helsinki

PARVOVIRUS INFECTION ALTERS NUCLEOLAR STRUCTURE, AFFECTING NUCLEOLAR FUNCTION AND CAPSID NUCLEAR EGRESS

Salla Mattola, University of Jyväskylä

DEFINING CO-INFECTION MODELS AND TISSUE TROPISM OF SEGMENTED VIRUSES, USING REPTARENAVIRUSES AS A MODEL

Annika Lintala, University of Helsinki

12:00-13:15

Lunch and exhibition

13:15-14:15

Session VI: Virus-host interactions III

Chairs: Reetta Penttinen, Matti Jalasvuori

SARS-COV-2 AND HUMAN BRAIN INFECTIONS: ARE NEURODEGENERATIVE DISEASES VIRAL?

Giuseppe Balistreri, University of Helsinki

CHARACTERIZATION OF THE ORTHOFLAVIVIRUSES NEUROPATHOGENESIS USING THE HUMAN BRAIN ORGANOID MODEL

Mariia Bogacheva, University of Helsinki

INFECTION OF NEURAL CELL CULTURE WITH JC POLYOMAVIRUS

Anni Honkimaa, Helsinki University Hospital and University of Helsinki

YOUNG VIROLOGIST OF THE YEAR AWARDEE

14:15-14.30

Closing words

