

3rd Edition of World Congress on

Virology & Infectious Diseases

June 24 - 25, 2024 *at* Prague, Czech Republic



Day
1

MONDAY

Scientific Program

Meeting Hall: Amsterdam

Registrations Open (08:30-09:00)

09:00-09:10 Opening Ceremony by Moderator: *Dr. Charles Jones, USA*

Keynote Talks

- 09:10-09:40 ----- **Characterization of Recombinant Vesicular Stomatitis Virus rVSV-based Bivalent Vaccine Against SARS-CoV-2 and Influenza A Virus**
Xiaojian Yao, University of Manitoba, Canada
- 09:40-10:10 ----- **Diagnostic targets and point-of-care serodiagnostic test for *Trichomonas vaginalis*, the most prevalent, non-viral sexually transmitted infection**
John F Alderete, Washington University, USA
- 10:10-10:40 ----- **Cellular topography and virus particle imaging by high-resolution SEM incorporated a freeze-drying and gaseous nitrogen-based approach**
Kunihiro Uryu, Janelia Reserch Campus, USA

Group Photo & Refreshment Break (10:40-11:00)

Technical Session-I

Theme: New Vaccine Development & Immunization

Session Chairs:

Geetha Hitch, University of Sunderland in London, UK
Xiufen Zheng, Western University London, Canada

- 11:00-11:20 ----- **Virus-derived Serpin Targets Systemic Immune and Coagulation Disorders Improving Outcomes and Survival in Murine Models of Inflammatory Disease**
Alexandra R Lucas, Arizona State University (ASU), Biodesign Institute, USA

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- 11:20-11:40 ----- **Barriers to childhood immunization uptake in the countries in West Africa: A Systematic Literature Review**
Geeta Hitch, University of Sunderland in London, UK
- 11:40-12:00 ----- **The role of circular RNA in dendritic cells: a new target for robust dendritic cell vaccine**
Xiufen Zheng, Western University London, Canada
- 12:00-12:20 ----- **Navigating the future adult vaccine landscape - innovation, an aging population and crowded schedules**
Charles Jones, Pfizer, USA
- 12:20-12:40 ----- **A Synthetic Peptide Vaccine Demonstrates Prophylactic and Therapeutic Efficacy Against Streptococcal Superficial and invasive infections**
Manisha Pandey, Griffith University, Australia
- 12:40-13:00 ----- **Longitudinal anti-SARS-CoV-2 antibody immune response in acute and convalescent patients**
Cecilia Ximénez, National University of Mexico, Mexico

Lunch @ Restaurant (13:00-14:00)

Technical Session-II

Themes: Virology & Infectious Diseases

Session Chairs:

Narcisa Mederle, University of Life Sciences, Romania

Jun Tung, China Agricultural University, China

- 14:00-14:20 ----- **Insights into the function of ESCRT complex and LBPA in ASFV infection**

Miguel Ángel Cuesta-Geijo, INIA CSIC, Spain

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14:20-14:40 ----- First Identification of *Trichinella pseudospiralis* in a Golden Jackal (*Canis aureus*) in Romania

Narcisa Mederle, *University of Life Sciences, Romania*

14:40-15:00 ----- miR-204 suppresses porcine reproductive and respiratory syndrome virus (PRRSV) replication via inhibiting LC3B-mediated autophagy

Wen-hai Feng, *China Agricultural University, China*

15:00-15:20 ----- Alphaherpesvirus UHRF1 deficiency inhibits alphaherpesvirus through inducing RIG-I-IRF3-mediated interferon production

Jun Tung, *China Agricultural University, China*

15:20-15:40 ----- The Flexible, Versatile and Fast GreGT Platform of Fully Deleted Helper-Virus Independent Adenoviral Vectors

Uwe Staerz, *Greffex INC, USA*

15:40-16:00 ----- Role of some antimicrobial peptides during ZIKA virus infection in keratinocyte cell line

Victor Javier Cruz Holguin, *Cinvestav, Mexico*

Refreshment Break (16:00-16:10)

16:10-16:30 ----- Potential antiviral action of funicone-like compounds towards canine coronavirus infection

Filomena Fiorito, *University of Naples Federico II, Italy*

16:30-16:50 ----- HIV enteropathy (HIVE) and 'Slim disease' (SD): historical and current perspectives

Moses Silungwe Kapembwa, *Imperial College of Medicine, United Kingdom*

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16:50-17:10 ----- Biomarker discovery through broad profiling of human humoral immune response with sparse sampling of the binding space combined with machine learning approaches

Laimonas Kelbauskas, *Arizona State University, USA*

17:10-17:30 ----- Identify patterns and risk factors of post-COVID-19 vaccination side effects

Wang Wei, *Brigham and Women's Hospital, USA*

End of the Day

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TUESDAY

Scientific Program

Moderator: *Dr. Rhea Coler, USA*

Keynote Talks

- 09:00-09:30 ----- A new live virus, one-dose vaccine platform for Smallpox, Mpox, Covid-19 and other diseases of public health significance
Seth Lederman, TONIX Pharmaceuticals, Inc, USA
- 09:30-10:00 ----- The Lübeck gene-free vaccination against Covid-19
Winfried Stöcker, Klin.med Lab, Germany
- 10:00-10:30 ----- Leishmania targets host RNA interference machinery to promote its survival
Devki Nandan, University of British Columbia, Canada

Technical Session-III

Theme: COVID-19 & Influenza Vaccine research

Session Chairs:

Manisha Pandey, Griffith University, Australia
Seth Lederman, TONIX Pharmaceuticals, Inc, USA

- 10:30-10:50 ----- MiR-574-5p activates human TLR8 to promote autoimmune signaling and lupus and lupus nephritis
James Y Yang, East China Normal University, China

Refreshment Break 10:50- 11:00

- 11:00-11:20 ----- A new method for assessing antiviral cellular immunity by a microneedle skin patch
Balazs Sarkadi, RCNS Hungary - CelluVir Kft, Hungary

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TUESDAY

Scientific Program

- 11:20-11:40 ----- C500 variants conveying complete mucosal immunity against fatal infections of pigs with *Salmonella enterica* serovar Choleraesuis C78-1 or F18+ Shiga toxin-producing *Escherichia coli*
- Guoping Liu, *Yangtze University, China*
- 11:40-12:00 ----- Statistical considerations on real time and extended controlled temperature conditions (ECTC) stability data analysis of vaccines
- Deok Ryun Kim, *International Vaccine Institute, South Korea*
- 12:00-12:20 ----- Neutralization of SARS-CoV-2 by single-chain antibodies – a way to vaccine development
- Horacio Bach, *University of British Columbia, Canada*
- 12:20-12:40 ----- An RNA-based vaccine for tuberculosis
- Rhea Coler, *University of Washington/Seattle Children's Research Institute, USA*
- 12:40-13:00 ----- The dynamic reproduction index: precise determination from the incidence and insights based on new state diagrams
- Robert N.J. Conradt, *Conradt measurement and control technique, Germany*

Lunch @ Restaurant (13:00-13:50)

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Scientific Program

Poster Viewing

Poster Presentations(13:50- 14:50)

- P-01** ----- Longitudinal effects of direct observation of hand hygiene practices and monitoring of alcohol-based handrub consumption
Retsu Fujita, International University of Health and Welfare, Japan
- P-02** ----- Oral Immunization with rVSV Bivalent Vaccine Elicits Protective Immune Responses, Including ADCC, against Both SARS-CoV-2 and Influenza A Viruses
Zhujun Ao, University of Manitoba, Canada
- P-03** ----- Double nested PCR detection method for monitoring *Mycoplasma suis* and *Chlamydia suis*
Yuqing Liu, Yangtze University, China
- P-04** ----- Antiviral activity of fungal secondary metabolites against bovine coronavirus infection
Luca Del Sorbo, University of Naples Federico II, Italy
- P-05** ----- Genomic Characterization of Circulating Human Respiratory Syncytial Viruses A and B in Kuwait using whole-genome Sequencing
Nada Madi, Kuwait University, Kuwait
- P-06** ----- Seroconversion induced by vaccination against COVID-19 in Mexico City, Mexico
Patricia Morán, National Autonomous University of Mexico, Mexico
- P-07** ----- Symptoms caused by the SARS-Cov-2 virus in outpatients: An overview of different waves
Liliana Rojas-Velázquez, National Autonomous University of Mexico, Mexico
- P-08** ----- The features of acute brucellosis in Azerbaijan Republic
Elchin Huseynov, Azerbaijan Medical University, Azerbaijan
- P-09** ----- MicroRNAs participate in the regulation of apoptosis-related gene expression in rabbits infected with *Lagovirus europaeus* GI.1 and GI.2 genotypes
Ewa Ostrycharz, University of Szczecin, Poland

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Technical Session- IV

Theme: Infection, Immunity and Inflammation

Session Chairs:

Dilruba Nasrin, *University of Maryland Baltimore, USA*

Alexandra R Lucas, *Arizona State University, Biodesign Institute, USA*

- 14:50-15:10 ----- Inheritance of maternally trained immunity in teleost fish
Elena Chaves Pozo, *Instituto Español de Oceanografía (IEO), CSIC, Spain*
- 15:10-15:30 ----- Enteropathogens associated with linear growth faltering in children in Africa and impact of antibiotic treatment
Dilruba Nasrin, *University of Maryland Baltimore, USA*
- 15:30-15:50 ----- Chimeric antigen receptor T cells (CAR-Ts) against SARS-CoV-2 and cancer
Christopher E Rudd, *Universite de Montreal, Canada*
- 15:50-16:10 ----- Characterization of heterologous protective epitopes between Influenza A viruses and SARS-CoV-2
Jazmin Garcia machorro, *National Polytechnic Institute, Mexico*
- 16:10-16:30 ----- Understanding the Respiratory Syncytial Virus (RSV) Vaccine and Prevention Options
Haben Debessai, *CDC Foundation, USA*

Refreshment Break 16:30- 16:40

End of the Day

Virtual Scientific Program



Join Zoom Meeting



Meeting ID: 814 4781 9043

Passcode: Sd0Uj4

Virtual Program

June 25, 2024, Tuesday

Time Zone: Central European Time (CET)

Virtual Presentation Through ZOOM

09:30-9:50-----	WX-081, a Novel Compound against Mycobacterium tuberculosis Xiaojing Sang, Shanghai Jiatan Pharmaceutical Technology Co., Ltd, China
9:50-10:10 -----	Evaluation of COVID-19 vaccines in primary prevention against infections and reduction in severity of illness following the outbreak of SARS-CoV-2 omicron variant in Shanghai Yaoli Wang, Daping Hospital, Army Medical University, China
10:10-10:30 -----	Bacterial co-infection raises in-hospital mortality of COVID-19 patients: a retrospective study Shiying Li, The second affiliated hospital of Chongqing Medical University, China
10:30-10:50 -----	Identification and characterization of endogenous retroviruses upon SARS-CoV-2 infection Xuefei Guo, Peking University, China
10:50-11:10 -----	The quality of antimicrobial susceptibility test discs and implications for clinical outcomes Stefan T Orszulik, United Kingdom
11:10-11:30 -----	An analysis of virus-host interaction: case study for HIV-infection Olga Tarasova, Institute of Biomedical Chemistry, Russia

11:30-11:50 -----	Thirteen Cases of Pulmonary Pneumocystis in HIV-Negative Patients Abir Bouhamdi, <i>Hassan II University Hospital, Morocco</i>
11:50-12:10 -----	Diagnostic Approach to Hypersensitivity Pneumonitis: A Report of Two Cases Chayne Rachid, <i>chu mohammed VI, Morocco</i>
12:10-12:30 -----	Persistent Epstein Barr Virus Infection And Altered Antiviral Immune Response In The Pathogenesis Of Multiple Sclerosis Barbara Serafini, <i>Istituto Superiore di Sanità, Italy</i>
12:30-12:50 -----	MYC oncogene induces the expression of the Epstein-Barr virus receptor CR2/CD21 and stimulates the infection of Burkitt lymphoma cells Javier León, <i>University of Cantabria, Spain</i>
12:50-13:10 -----	Advantages of the digital PCR (dPCR) for detection and quantification of viruses Carlos P. Dopazo, <i>Universidade de Santiago de Compostela, Spain</i>
13:10-13:30 -----	Persistence of viable but nonculturable Legionella pneumophila state in hospital water systems: a hidden enemy? Noemi Parraga-Nino, <i>Germans Trias i Pujol Research Institute, Spain</i>
13:30-13:50 -----	Insights into the function of ESCRT complex and LBPA in ASFV infection Miguel Ángel Cuesta-Geijo, <i>INIA CSIC, Spain</i>
13:50-14:10 -----	Diagnosis of infectious diseases in pathology laboratory. Routine practice and emerging aspects Umberto Maccio, <i>University Hospital of Zürich, Switzerland</i>

14:10-14:30 -----	The Ectromelia virus as a skillful modulator of immune cell functions Malgorzata Gierynska, <i>Warsaw University of Life Sciences, Poland</i>
14:30-14:50 -----	Commentary on the impact of the COVID-19 passports in Lithuania Rimas Jonas Jankunas, <i>Lithuanian University of Health Sciences, Lithuania</i>
14:50-15:10 -----	Corruption is making people sick Oliver Charles Campbell White, <i>Rowan Health Associates, United Kingdom</i>
15:10-15:30 -----	Use of indocyanine green fluorescence imaging in the extrahepatic biliary tract surgery Orestis Ioannidis, <i>Aristotle University of Thessaloniki, Greece</i>
15:30-15:50 -----	A Fish Farmer's Encounter with Leptospirosis Hamza Rashid, <i>Imperial College London, United Kingdom</i>
15:50-16:10 -----	Antimicrobial potential of creams based on phyllanthus niruri and myracrodruon urundeuva in post-ovariohysterectomy wounds in felis catus Francisco Marlon Carneiro Feijo, <i>UFERSA, Brazil</i>
16:10-16:30 -----	Clinical Approach to Fatigue in Long COVID: Implementing Lessons Learned from Myalgic Encephalomyelitis Chronic Fatigue Syndrome Alba Miranda Azola, <i>Johns Hopkins University, USA</i>

16:30-16:50 -----	Wastewater surveillance and copula time series modeling for monitoring COVID-19 cases and trends <i>Hueiwang Anna Jeng, Old Dominion University, United states</i>
16:50-17:10 -----	Distinct mechanisms regulate the exposure of Broadly Neutralizing Antibody Epitopes on HIV-1 particles <i>Chitra Upadhyay, Icahn School of Medicine at Mount Sinai, USA</i>
17:10-17:30 -----	Antimicrobial Proteins: Induction, Molecular Action, and Therapeutic Potential <i>Mohamed Hassan, Tulane University School of Medicine, USA</i>
17:30-17:50 -----	Detection of the infection by Trypanosoma cruzi and the clinical forms of Chagas disease in chimpanzees (Pan troglodytes) <i>Mariana C. de Alba Alvarado, UNAM FACULTY OF MEDICINE, Mexico</i>

Day Concludes

We wish to see you again at



4th Edition of World Congress on **Virology & Infectious Diseases**

July 10 - 11, 2025 at Vienna, Austria

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