

Vaccine & Virology congress

June 24 - 25, 2024, at Hotel Duo, Prague, Czech Republic

Day-1 (June 24, 2024)

08:30-09:00

Registrations

09:00-09:10

Opening Ceremony by Moderator: Dr. Charles Jones

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

Kunihiko 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, Biodesign Institute, USA

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
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
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	

Day-2 (June 25, 2024)	
Moderator: Dr. Rhea Coler	
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
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)	

Poster Viewing	
Poster Presentations(13:50- 14:50)	
Poster Judges: Devki Nandan, University of British Columbia, Canada Winfried Stöcker, Klin.med Lab, Germany	
P-1	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-2	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-3	The migration mechanism of antibiotic resistance genes from animals to the environment, Pathogenic ecology of emerging infectious diseases, Comprehensive utilization of microbial selenium
	Yuqing Liu , Yangtze University, China
P-4	Antiviral activity of fungal secondary metabolites dummyagainst bovine coronavirus infection
	Luca Del Sorbo , University of Naples Federico II, Italy
P-5	Genomic Characterization of Circulating Human Respiratory Syncytial Viruses A and B in Kuwait using whole-genome Sequencing
	Nada Madi , Kuwait University, Kuwait
P-6	Seroconversion induced by vaccination against COVID-19 in Mexico City, Mexico
	Patricia Morán , Universidad Nacional Autónoma De México, Mexico
P-7	Symptoms caused by the SARS-Cov-2 virus in outpatients: an overview of different waves
	Liliana Rojas-Velázquez , Universidad Nacional Autónoma De México, Mexico
P-8	The Features of Acute Brucellosis in Azerbaijan Republic
	Elchin Huseynov , Azerbaijan Medical University, Azerbaijan
P-9	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

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**

Exposomal Delivery for Potentiated STING Activation

Chalet Tan, University of Tennessee Health Science Center, USA**15:50-16:10**

Characterization of heterologous protective epitopes between Influenza A viruses and SARS-CoV-2

Jazmin Garcia machorro, National Polytechnic Institute, Mexico**Refreshment Break 16:10-16:20****16:30-16:50**

Understanding the Respiratory Syncytial Virus (RSV) Vaccine and Prevention Options

Haben Debessai, CDC Foundation, USA**16:50-17:10**

Chimeric antigen receptor T cells (CAR-Ts) against SARS-CoV-2 and cancer

Christopher E Rudd, University of Montreal, USA**End of the Day****Day 2 Concludes**