

# Detailed Programme

Wednesday, April 26, 2023

08:00 - 18:00	Registration/Speakers check-in/information at Reception desk – Lobby
09:00 - 13:00	<b>Young Epizone – Auditorijum</b> (Restricted meeting)
10:45 - 11:30	<b>Coffee break – lobby and Poster Hall</b>
11:30 - 13:00	<b>Epizone Coordination forum – Hall 2</b> (Restricted meeting)
13:00 - 14:00	<b>Lunch break – Restaurant</b> (Restricted to Young Epizone, Coordinating forum and Executive Committee members)
14:00 - 14:30	<b>Opening Ceremony</b>
	<b>Welcome addresses:</b> <ul style="list-style-type: none"><li>- <b>Tamaš Petrović</b> (Local Organizing Committee)</li><li>- <b>Wim van der Poel</b> (Coordinator of Epizone)</li><li>- <b>Sava Lazić</b> (Director of Scientific Veterinary Institute Novi Sad)</li><li>- <b>Miloš Petrović</b> (Chief Veterinary Officer)</li><li>- <b>Representatives</b> of Local Legal Administration (District and City level)</li><li>- <b>Representatives</b> of Ministries for Science and for Agriculture</li><li>- <b>Zoran Milošević</b> (Provincial Secretary for Higher Education and Research)</li></ul>
14:30 - 15:30	<b>Auditorium</b> <b>Plenary Session 1</b> <i>Chairs: Wim van der Poel and Tamaš Petrović</i>
14:30 - 15:00	<b>Keynote lecture 1:</b> <b>Budimir Plavšić (WOAH, Regional representative for Europe)</b> “Challenges to prevent and control emerging and re-emerging animal diseases and zoonoses in Europe: perspective of World Organization for Animal Health”
15:00 - 15:30	<b>Keynote lecture 2:</b> <b>Claire Guinat (INRAE, France)</b> “The new era of phylodynamics: What pathogen genomes can tell us about epidemic spread?”
15:30 - 16:00	<b>Coffee break - poster and stand session</b>

16:00 – 18:00	<b>Paralel Session – Auditorium</b> <b>Emerging and re-emerging diseases</b> <i>Chairs: Ann Brigitte Cay &amp; Wim van der Poel</i>	<b>Paralel Session – Hall 1</b> <b>Pathogen evolution, pathogenesis and immunology</b> <i>Chairs: Helen Crooke &amp; Lilianne Ganges</i>
16:00 – 16:15	<b>Invited Lecture:</b> LSD in Serbia – a successful story of disease control. <b>Vladimir Polaček et al. (Serbia)</b>	Bluetongue virus interferes with type I interferon induction by disrupting cGAS pathway. Andrés Louloudes-Lázaro et al. (Spain)
16:15 – 16:30	Engineering recombinant bluetongue viruses expressing reporter genes for in vitro and non-invasive in vivo studies. Javier Ortego et al. (Spain)	Study of goat dendritic cells infection with Peste des petits ruminants virus (PPRV). Pablo Nogales-Altozano et al. (Spain)
16:30 – 16:45	Studies with bat airway organoids of <i>Carollia perspicillata</i> reveal that the respiratory epithelium of bat is not a barrier for interspecies transmission of influenza viruses. Ang Su et al. (Germany)	Characterization of PRCV strains from Europe and the USA. Amalie Ehlers Bedsted et al. (Denmark)
16:45 – 17:00	Cross-Reactivity of Pre- and Post-Pandemic Human, Wild Boar and Farm Animal Sera with Alpha- and Beta-Coronaviruses (CoV) including SARS-CoV-2. Marcel Hulst et al. (The Netherlands)	Interplay between Foot-and-Mouth Disease Virus 3D polymerase and the type I interferon pathway: a contribution to viral persistence? Margan Sarry et al. (France)
17:00 – 17:15	West Nile fever confirmed in a horse in the United Kingdom following recent foreign travel. Nicholas Johnson et al. (United Kingdom)	The porcine low-density lipoprotein receptor (LDLR) plays an important role in Classical swine fever virus (CSFV) infection. Elena Leveringhaus et al. (Germany)
17:15 – 17:30	General discussion	General discussion
17:30 – 18:00	<b>Flash presentations (5-6 min each)</b> - Use of a luminescent reporter virus for rapid assessment of vaccine efficacy against Bluetongue virus. Luis Jiménez-Cabello et al - First report of <i>Porcine respirovirus 1</i> (PRV1) and of <i>Swine orthopneumovirus</i> (SOV) in swine in Italy. Laura Soliani et al. - Bat-borne Isnyk-Kul virus: European expansion of a zoonotic agent? Sabrina Canziani et al. - Discussion on presented posters and all other posters in Thematic Session	<b>Flash presentations (5-6 min each)</b> - Small ruminant lentiviruses: genetic characterization of strains circulating in Italy between 2019 and 2022. Paola Gobbi ( <a href="#">Maria Serena Beato</a> ) et al. - Milk from rabbit mothers vaccinated against RHD contains a relevant level of specific IgA. Vittoria Di Giovanni et al. - Cytokine secretion in hematopoietic stem cells CD34+ of cattle infected with bovine leukemia virus (BLV). Maria Szczotka et al. - Discussion on presented posters and all other posters in Thematic Session
18:00–20:00	<b>Welcome Cocktail – lobby of the Congress Center</b>	

# Thursday, April 27, 2023

09:00 - 17:00	<b>Registration/Speakers check-in/information at Reception desk – Lobby</b>	
09:00 - 10:00	<b>Auditorium</b> <b>Plenary Session 2</b> <i>Chairs: Nicholas Johnson and Noemi Sevilla</i>	
09:00 - 09:30	<b>Keynote lecture 3:</b> <b>Briony Jones (APHA, Weybridge, United Kingdom)</b> “Peste des petits ruminants – prospects for eradication”	
09:30 - 10:00	<b>Keynote lecture 4:</b> <b>Jasna Prodanov Radulović (NIV-NS, Novi Sad, Serbia)</b> “African swine fever in Serbia: lessons learned from the domestic pig cycle in smallholder and backyard sector (2019-2022)”	
10:00 - 10:30	<b>Coffee break - poster and stand session</b>	
10:30 - 12:30	<b>Paralel Session – Auditorium</b> <b>Diagnostic tools and disease surveillance</b> <i>Chairs: Miguel Angel Jimenez Clavero &amp; Alessio Lorusso</i>	<b>Paralel Session – Hall 1</b> <b>African swine fever</b> <i>Chairs: Sandra Blome &amp; Jasna Prodanov Radulovic</i>
10:30 - 10:45	Characterization of classical swine fever virus specific epitopes on the D/A domain of glycoprotein E2 Yu-Liang Huang et al. ( <u><a href="#">Denis Meyer</a></u> ; Germany)	A multi gene-approach genotyping identifies 24 genetic clusters of European African swine fever genotype II virus isolates circulating from 2007 to 2022. Nadia Casado et al. (Spain)
10:45 - 11:00	Metagenomics-based protocol for rapid detection of outbreak-causing viruses with ONT technology. Irene Aldea et al. (Spain)	Detection of African swine fever virus (ASFV) and blood meals of porcine origin in hematophagous insects collected on a Lithuanian pig farm without ASFV-infected pigs. Ann Sofie Olesen et al. (Denmark)
11:00 - 11:15	Improvement of molecular and serological tools for the detection of Venezuelan Encephalitis Virus (VEEV) in equids. Marine Dumarest et al., (France)	An ASFV-host interaction mapping reveals the role of protein CP204L in the regulation of endosomal trafficking. Katarzyna Dolata et al., (Germany)
11:15 - 11:30	Evaluation of a differential detection ELISA test for the presence of antibodies against West Nile virus and Usutu virus in birds. Francisco Llirente et al. (Spain)	Duration of immunity upon infection with African swine fever virus. Virginia Friedrichs et al. (Germany)

11:30 - 11:45	Newcastle Disease virus containing PCR-targets for West Nile virus as a positive control to validate and implement a Real-time PCR. Melle Holwerda et al. (The Netherlands)	Taking a promising vaccine candidate against African swine fever further: Safety and efficacy tests using "ASFV-G-ΔMGF". Sandra Blome et al. (Germany)
11:45 - 12:00	Novel diagnostic platform based on LAMP assays for the efficient detection of African and classical swine fever viruses using minimal equipment. Jose A. Bohorquez et al. ( <u>Lilianne Ganges</u> , Spain)	General discussion
12:00 - 12:30	<p><b>Flash presentations (5 min each)</b></p> <ul style="list-style-type: none"> <li>- Molecular Pen-Side test for the detection of the Peste des Petits Ruminants Virus. Milovan Milovanović et al</li> <li>- Improvement of point of care diagnosis of African Swine Fever. Cristina Aira et al.</li> <li>- Utilization of ONT NGS in the workflow of veterinary diagnostics. L.L. Cubas-Gaona et al.</li> <li>- Lateral flow device: a promising tool for field diagnosis of Lumpy skin disease. Stefano Baselli et al.</li> <li>- Recombinant Bovine Ephemeral Fever Virus (BEFV) N protein production: evaluation in a competitive ELISA. Roberto Benevenia et al. (<u>Davide Lelli</u>)</li> <li>- Discussion on presented posters and all other posters in Thematic Session</li> </ul>	<p><b>Flash presentations (5-6 min each)</b></p> <ul style="list-style-type: none"> <li>- High-throughput mapping of virus-host interactions to identify new factors of virulence and pathogenicity for ASFV. Juliette Dupre et al. (<u>Marie-Frédérique Le Potier</u>)</li> <li>- Evaluation of African Swine Fever on East Balkan pigs and backyards in Bulgaria: a qualitative assessment. Elena Lazzaro et al.</li> <li>- A deep sequencing strategy for investigation of virus variants within ASFV infected pigs. Camille Melissa Johnston et al.</li> <li>- Discussion on presented posters and all other posters in Thematic Session</li> </ul>
12:30 - 13:30	<b>Lunch break in the restaurant</b>	
13:30 - 14:30	<b>Auditorium</b> <b>Plenary Session 3</b> <b>Chairs: Ljubo Barbic and Maria Serena Beato</b>	
13:30 - 14:00	<b>Keynote lecture 5:</b> <b>Alessio Lorusso (IZSAM, Teramo, Italy)</b> "Epizootic hemorrhagic disease virus: a new challenge for Europe?"	
14:00 - 14:30	<b>Keynote lecture 6:</b> <b>Rowland R. Kao (University of Edinburgh, Edinburgh, United Kingdom)</b> "Modelling in a Changing World: addressing the challenges of Emergent Infectious Disease problems under Climate Change and Environmental Land Management Decisions"	
14:30 - 15:00	<b>Coffee break - poster and stand session</b>	

15:00 -17:00	<b>Paralel Session – Auditorium</b> <b>Avian influenza</b> <i>Chairs: Ana Maria Moreno &amp; Vladimir Polaček</i>	<b>Paralel Session – Hall 1</b> <b>Epidemiology and risk assessment</b> <i>Chairs: Karin Darpel &amp; Ljubo Barbić</i>
15:00 - 15:15	Natural selection of H5N1 avian influenza A viruses with increased PA-X and NS1 shut-off activity. Aitor Nogales et al. (Spain)	<b>Invited lecture:</b> Molecular epidemiology as a tool for understanding the viral infections in honeybees. <b>Ivan Toplak et al. (Slovenia)</b>
15:15 - 15:30	Avian influenza surveillance in wild birds in Lombardy and Emilia Romagna regions (Italy) in 2022- Maya Carrera et al. ( <a href="#">Ana Moreno</a> , Italy)	Pigeon paramyxovirus-1 outbreak in captive pigeons in Denmark, 2022. Karen Martiny et al. (Denmark)
15:30 - 15:45	Identification of amino acid residues required for inhibition of host gene expression by influenza virus A/Viet Nam/1203/2004 H5N1 PA-X. Aitor Nogales et al. (Spain)	Novel diagnostic and statistical tool combinations accurately predict time since bluetongue virus infection in ruminants for assessing transmission risk. Kerry Newbrook et al. (United Kingdom)
15:45 - 16:00	Poultry vector vaccines: innovative serological assays for vaccination monitoring and DIVA testing for H5 avian Influenza A. Stéphanie Lesceu et al. ( <a href="#">Adrien Limozin</a> , France)	A Machine Learning Approach for Predicting the Risk of WNV in Fine Spatiotemporal Scale Relying on Earth Observation Data. Dimitrios Sainidis et al. (Greece)
16:00 - 16:15	Development of a 3d Models of Swine Respiratory Cells for the Study of In Vitro Pathogenesis of Influenza A Virus. Aurora De Mattia et al. (Italy)	Wild boar as a reservoir of Aujeszky disease virus, coronaviruses and circoviruses – a study in African swine fever affected population in Poland. Anna Szczotka-Bochniarz et al. (Poland)
16:15 - 16:30	Highly Pathogenic H5n1 Avian Influenza in Free-Living Griffon Vultures. Ursula Höfle et al. (Spain)	African Swine Fever in Italy: effectiveness of eradication measures in newly affected regions and in Sardinia region. Iscaro Carmen et al. (Italy)
16:30 - 17:00	<b>Flash presentations (5 min each)</b> - Pathology associated with highly pathogenic avian influenza H5N1 in naturally infected birds in Serbia in the 2021/2022 epidemiological year. Biljana Djurdjević et al. - Within-host genetic diversity of wild bird-origin LPAIV H7N7 in poultry. Kamila Dziadek et al. - Characterization of High Pathogenicity Avian Influenza Virus H5Nx Detected in Wild Mammals in Denmark, 2021 and 2022. Yuan Liang et al. - Whole genome sequencing of Avian Influenza virus on the Illumina MiniSeq platform. Vladimir Gajdov et al. - Discussion on presented posters and all other posters in Thematic Session	<b>Flash presentations (5-6 min each)</b> - Risk assessment of foot-and-mouth disease and biosecurity measures on a cattle farm in Serbia. Dejan Bugarski et al (Serbia) - Discussion on presented posters and all other posters in Thematic Session - General discussion for the whole Thematic Session
17:00 - 18:30	<b>Social program - Discover Novi Sad – Walking tour</b>	
20:00 - 00:00	<b>Gala dinner – Restaurant Alaska Barka</b>	

**Friday, April 28, 2023**

09:00 - 14:00	<b>Speakers check-in/information/Certificates at Reception desk – Lobby</b>	
09:00-10:00	<b>Auditorium</b> <b>Plenary Session 4</b> <i>Chairs: Ivan Toplak and Piet van Rijn</i>	
09:00 - 09:30	<b>Keynote lecture 5:</b> <b>Kerstin Wernike (FLI, Insel Riems, Germany)</b> <i>“Schmallenberg virus vaccine development”</i>	
09:30 - 10:00	<b>Keynote lecture 6:</b> <b>Tamaš Petrović (NIV-NS, Novi Sad, Serbia)</b> <i>“Flaviviruses in Serbia – One Health Perspectives”</i>	
10:00 - 10:30	<b>Coffee break - poster and stand session</b>	
10:30 - 12:30	<b>Paralel Session – Auditorium</b> <b>Vector-borne diseases</b> <i>Chairs: Sara Savić &amp; Tamaš Petrović</i>	<b>Paralel Session – Hall 1</b> <b>Vaccine development and disease control</b> <i>Chairs: Marie-Frédérique Le Potier &amp; Thomas Bruun Rasmussen</i>
10:30 - 10:45	<b>Invited lecture:</b> Companion Animals as Sentinels for Viral Zoonoses in Urban Areas. <b>Ljubo Barbić et al. (Croatia)</b>	Adaptation of the ASFV-989 live attenuated virus on continuous cell line, a step forward to become a vaccine candidate. Marie-Frédérique Le Potier et al. (France)
10:45 - 11:00	Automated remote real-time mosquito surveillance by the means of an intelligent sensor trained with machine learning. Maria Gonzales-Perez et al. (Spain)	(Autonomous) Live cell visualization of African Swine Fever Virus DNA replication for the discovery of antiviral compounds. Alicia Mas et al. (Spain)
11:00- 11:15	Transmission of West Nile virus by <i>Culex pipiens</i> Infected with <i>Culex Flavivirus</i> . Albert Burgas Pau et al. (Spain)	Prime-boost strategies using Adeno and MVA vectors for vaccination against PPRV. Ana Carlón et al. (Spain)
11:15 - 11:30	Confirmation of seasonal flavivirus activity at suspect localities through targeted mosquito trapping and testing. Károly Erdélyi et al. (Hungary)	Safety and efficacy upon infection in sheep with Rift Valley fever virus ZH548-RA2, a triple mutant rescued virus. Alejandro Brun et al. (Spain)
11:30 - 11:45	T lymphocytes contribute to protective immunity and pathogenesis in bluetongue virus-infected sheep but not viral replication or transmission. Kerry Newbrook et al. (United Kingdom)	Perspectives of Sterile Insect Technique in control of the Asian Tiger Mosquito: Experiences gained from the first pilot study in Serbia. Aleksandra Ignjatović Čupina et al. (Serbia)

11:45 - 12:00	General discussion	General discussion
12:00 - 12:30	<p><b>Flash presentations (5 min each)</b></p> <ul style="list-style-type: none"> <li>- Vectors responsible for the transmission of Epizootic Haemorrhagic Disease virus (EHDV) in Italy. Michela Quaglia et al.</li> <li>- Epizootic haemorrhagic disease in Spain, November 2022. Marta Valero-Lorenzo et al.</li> <li>- Screening of Mosquitoes for Usutu Virus in Lombardy region (Northern Italy) 2014–2022. Francesco Defilippo et al. (<a href="#">Davide Lelli</a>).</li> <li>- Seroprevalence of West Nile virus in domestic donkeys in the Special Nature Reserve “Zasavica”, Serbia. Diana Lupulovic et al.</li> <li>- Amplicon-based complete genome sequencing of the West Nile virus. Vladimir Gajdov et al.</li> </ul> <p>- Discussion on presented posters and all other posters in Thematic Session</p>	<p><b>Flash presentations (5 min each)</b></p> <ul style="list-style-type: none"> <li>- MVA vectors carrying chimeric VP2 of African horse sickness virus increased cross-protection against a heterologous serotype. Eva Calvo-Panilla et al.</li> <li>- Functional analysis of the programmed -1 frameshift signal of porcine respiratory coronavirus (PRCV). Tarka Raj Bhatta et al.</li> <li>- Mapping biosecurity measures applied on different animal production systems across Europe – Progress of COST Action BETTER. Jasna Prodanov Radulović et al.</li> <li>- Developing methodologies to profile humoral immune responses against Crimean Congo haemorrhagic fever virus to support effective vaccine design. Sandra Belij-Rammerstorfer et al.</li> </ul> <p>- Discussion on presented posters and all other posters in Thematic Session</p>
12:30 - 13:00	<b>Closing Ceremony</b>	
13:00 - 14:00	<b>Light Lunch in the restaurant</b>	
14:00-18:00	<b><i>Sharm of Srem Region- social &amp; tourist tour</i></b>	