

Abstract ID	Poster + Award	Abstract Title	First Name	Last Name	Session	Date	Start Time	End Time
319	YES	By interacting with cell junction and polarity proteins, the PDZ Binding Motif of SARS-CoV-2 Envelope protein constitute a major determinant of pathogenicity and appears as an innovative therapeutic target	Flavio	Alvarez	Poster Session 1 & 2	Tue May 21; Wed May 22		
049		Management of a congenital cytomegalovirus (cCMV) infection resistant to valganciclovir with foscarnet	Graciela	Andrei	Chronic, Latent, and Persistent Viruses - Retroviruses and Herpesviruses	Thursday, May 23, 2024	11:25 AM	11:35 AM
400		Identification of the new HSV-2 variant (HSV-2v) in two patients suffering from genital herpes not responding to valacyclovir therapy	Graciela	Andrei	Poster Session 1 & 2	Tue May 21; Wed May 22		
013		Chasing an HIV Cure: the Intersection of Biological Sex, the Latent Reservoir and Latency Disruption	Nancie M.	Archin	Diversity in Science and Excellence Award Lecture	Tuesday, May 21, 2024	1:45 PM	2:30 PM
254V		Targeting Flaviviruses Replication by 5-Aminotriazole-amide Inhibitors	Corinne	Augelli-Szafran	Poster Session 1 & 2	Tue May 21; Wed May 22		
053		Design, Synthesis, and Lead Optimisation of Piperazinyl-Pyrimidine Analogues as Potent Small Molecules Inhibitors of Chikungunya Virus	Verena	Battisti	Arboviruses	Thursday, May 23, 2024	3:00 PM	3:10 PM
030		What Makes an Effective Live-Attenuated Vaccine? New Insights into Molecular Mechanisms Driving the Innate Cellular Response to Yellow Fever Virus 17D (YFV-17D)	Sonja	Best	Arboviruses	Wednesday, May 22, 2024	10:45 AM	11:15 AM
217		GS-7682, a Novel Prodrug of a 4'-CN-4-Aza-7,9-Dideazaadenosine C Nucleoside with Broad-Spectrum Activity and Efficacy in RSV-infected African Green Monkeys	John	Bilello	Poster Session 1 & 2	Tue May 21; Wed May 22		
041		Identification of Small-Molecule Inhibitors of Coronaviruses by Targeting Protein-Protein Interactions in RNA-Dependent RNA Polymerase Complex	Jeremy	Blavier	Coronaviruses, Influenza, RSV, and Other Respiratory Viruses	Thursday, May 23, 2024	9:30 AM	9:40 AM
051		Targets to Treatment; Antiviral Research and Precision Medicine	Prof. Judith	Breuer	Women in Science and Excellence Award Lecture	Thursday, May 23, 2024	1:45 PM	2:30 AM
047		Inhibition of Rhinovirus Infection in Differentiated Primary Human Bronchial Epithelial Cells by Nanoparticle-Encapsulated Small Interfering RNA	Nathan	Bryant	Coronaviruses, Influenza, RSV, and Other Respiratory Viruses	Thursday, May 23, 2024	11:05 AM	11:15 AM
008		TARGETING HOST KINASES TO IDENTIFY NOVEL BROAD-SPECTRUM ANTIVIRAL STRATEGIES	Valeria	Cagno	Broad Spectrum Antiviral Drugs, Non-respiratory Biothreat Viruses, and Pandemic Preparedness	Tuesday, May 21, 2024	9:45 AM	9:55 AM
506		PDZ Interactions as Determinants of Viral Pathogenicity and Therapeutic Targets	Célia	Caillet-Saguy	Poster Session 1 & 2	Tue May 21; Wed May 22		
005	Poster (no award)	Oral Pharmacokinetics and Efficacy of Modified Oral Lipid RVn Prodrugs Against SARS-CoV-2 in Mice	Aaron	Carlin	Broad Spectrum Antiviral Drugs, Non-respiratory Biothreat Viruses, and Pandemic Preparedness	Tuesday, May 21, 2024	9:15 AM	9:25 AM
301	YES	Nsp8-TP25 Peptide as a Promising Therapeutic Agent Targeting the SARS-CoV-2 RdRp Complex	Mark Anthony	Casel	Poster Session 1 & 2	Tue May 21; Wed May 22		
111	YES	Serotype-Specific Regulation of Dengue Virus NS5 Protein Subcellular Localization	Colin	Cheng	Poster Session 1 & 2	Tue May 21; Wed May 22		
033	YES	Structural basis of Dengue and Zika virus NS1 multimerization and antibody recognition	Alvin	Chew	Arboviruses	Wednesday, May 22, 2024	11:35 AM	11:45 AM
302	YES	"A potent small molecule inhibitor of Receptor Binding Domain and ACE2 receptor interaction"	Vidya	Chitta Voina	Poster Session 1 & 2	Tue May 21; Wed May 22		
054		Suicidal capsid protease from O'nyong'nyong virus: unveiling the inhibitory potential of indole derivatives	Yuliya	Chykunova	Arboviruses	Thursday, May 23, 2024	3:10 PM	3:20 PM
058		Identification and evaluation of novel Lassa virus entry inhibitors using computational counter screening and chemical informatics	Brianna	Close	Broad Spectrum Antiviral Drugs, Non-respiratory Biothreat Viruses, and Pandemic Preparedness	Thursday, May 23, 2024	4:25 PM	4:35 PM
303		Gingival vaccination as an antiviral vaccination strategy: Prospects for elderly vaccination	Marni	Cueno	Poster Session 1 & 2	Tue May 21; Wed May 22		
200		Meta-analysis of clinical and virological data in the Syrian hamster model of Nipah virus disease to support translation to human disease and utility for antiviral screening	Katherine	Davies	Poster Session 1 & 2	Tue May 21; Wed May 22		
036		Combination therapy of approved drugs potentiates broad-spectrum antiviral activity against alphaviruses in human skin fibroblasts and mice	Leen	Delang	Arboviruses	Wednesday, May 22, 2024	12:05 PM	12:15 PM
255V		Potent antiviral activity of Plitidepsin against Ebolavirus	Rafael	Delgado	Poster Session 1 & 2	Tue May 21; Wed May 22		
020	YES	Identification of adenosine analogues that inhibit the N7 methyltransferase activity of SARS-CoV-2	Adrien	Delpal	Coronaviruses, Influenza, RSV, and Other Respiratory Viruses	Tuesday, May 21, 2024	4:25 PM	4:35 PM
250V		Preclinical Services available through NIAID's Division of Microbiology & Infectious Diseases (DMID)	Fayna	Diaz San Segundo	Poster Session 1 & 2	Tue May 21; Wed May 22		
202	YES	Antiviral activity of pyrophosphate analogues against arenavirus infection	Johanna Briyith	Diaz Sierra	Poster Session 1 & 2	Tue May 21; Wed May 22		
410V		Discovery and Mechanistic Investigations of First-in-Class PROTAC and Hydrophobic Tag-based Degraders of HIV-1 Capsid	Dang	Ding	Poster Session 1 & 2	Tue May 21; Wed May 22		

014		Drug discovery Efforts Towards Human Metapneumovirus	Larissa	Dirr	Coronaviruses, Influenza, RSV, and Other Respiratory Viruses	Friday, May 24, 2024	2:30 PM	3:00 PM
350V		Characterising mutational pressures exerted by nucleoside analogues on SARS-CoV-2 evolution.	I'ah	Donovan-Banfield	Poster Session 1 & 2	Tue May 21; Wed May 22		
203	YES	N-substituted Pyrrole-based Heterocycles as Broad-spectrum Filoviral Entry Inhibitors	Destiny	Durante	Poster Session 1 & 2	Tue May 21; Wed May 22		
024		Some capsid/core assembly modulators (CAMs) can induce an inhibition of HBV RNA biogenesis	David	Durante	Chronic, Latent, and Persistent Viruses - Retroviruses and Herpesviruses	Wednesday, May 22, 2024	9:00 AM	9:10 AM
068		Functional evaluation and mode of action of a novel non-nucleoside drug inhibiting the replication of Hepatitis Delta virus	David	Durante	Hepatotropic and GI Viruses	Friday, May 24, 2024	9:40 AM	9:50 AM
070	YES	Proof of Concept: Exploring the Therapeutic Potential of G3BP1 Targeted Degradation Against Norovirus Infection	Liliana	Echavarría Consuegra	Hepatotropic and GI Viruses	Friday, May 24, 2024	10:00 AM	10:10 AM
324	YES	Evaluating SARS-CoV-2 Antiviral Activity Using the Drosophila Midgut Model	Chaker	EL KALAMOUNI	Poster Session 1 & 2	Tue May 21; Wed May 22		
251V		Advancements in Host Targeted Antivirals: Novel Diphyllin Inspired Analogs as V-ATPase Inhibitors	Amr	Elkabbany	Poster Session 1 & 2	Tue May 21; Wed May 22		
355V		Exploiting DKA derivatives as SARS-CoV-2 nsp13 inhibitors active on viral replication	Roberta	Emmolo	Poster Session 1 & 2	Tue May 21; Wed May 22		
039		Antiviral therapy optimization for SARS-CoV2: a mathematical modeling approach	Shadi Sadat	Esmaeili-Wellman	Machine Learning and Computational Approaches for Antiviral Research	Thursday, May 23, 2024	9:10 AM	9:20 AM
502	YES	Propiophenone Thiosemicarbazones as New Agents Against Bovine Viral Diarrhea Virus	Matias	Fabiani	Poster Session 1 & 2	Tue May 21; Wed May 22		
318	YES	Human guanylate-binding protein (GBP)1 inhibits replication of severe acute respiratory syndrome coronavirus type-2 through a mechanism distinct to GBP2 and GBP5	Ruby	Farrukee	Poster Session 1 & 2	Tue May 21; Wed May 22		
059		Identification of a Macrocyclic Compound Targeting the Lassa Virus Polymerase	Mike	Flint	Broad Spectrum Antiviral Drugs, Non-respiratory Biothreat Viruses, and Pandemic Preparedness	Thursday, May 23, 2024	4:35 PM	4:45 PM
320	YES	Identification of MARVAS110, a potent antiviral compound for Enterovirus D68 infection	Yuhui Deborah	Fong	Poster Session 1 & 2	Tue May 21; Wed May 22		
353V		Predictive assessment of Imperata cylindrica antiviral properties against SARS CoV-2	Foka	Frank	Poster Session 1 & 2	Tue May 21; Wed May 22		
100		Ross River virus upregulates chemokine (c-c motif) ligand 5, enhancing metalloproteinase expression for virus-induced extracellular matrix degradation	Wesley	Freppel	Poster Session 1 & 2	Tue May 21; Wed May 22		
063	YES	Evaluation of Small Molecules as Promising Broad-Spectrum Anti-Filoviral Agents	Jazmin	Galvan Achi	Broad Spectrum Antiviral Drugs, Non-respiratory Biothreat Viruses, and Pandemic Preparedness	Thursday, May 23, 2024	5:30 PM	5:40 PM
300		SARS-CoV-2 PLpro Inhibitors for COVID-19 Therapy	Jazmin	Galvan Achi	Poster Session 1 & 2	Tue May 21; Wed May 22		
052		Advances in the Development of Small Molecule Inhibitors of Venezuelan and Eastern Equine Encephalitis Viruses	Jennifer E.	Golden	Arboviruses	Thursday, May 23, 2024	2:30 PM	3:00 PM
321	YES	Mechanism of Action of a 4'-Cyano Modified Nucleotide Analog Against a Platform of Diverse Polymerases of Respiratory RNA Viruses	Calvin	Gordon	Poster Session 1 & 2	Tue May 21; Wed May 22		
224		LHF-535 and favipiravir synergize to protect against experimental Junin virus infection and disease	Brian	Gowen	Poster Session 1 & 2	Tue May 21; Wed May 22		
066		HBV cccDNA: Formation, Transcription, and Intervention	Haitao	Guo	Hepatotropic and GI Viruses	Friday, May 24, 2024	9:00 AM	9:30 AM
221		Modifying Potent Broad-Spectrum Antiviral Imino-C-Nucleosides to Yield New Antiviral Leads	Lawrence	Harris	Poster Session 1 & 2	Tue May 21; Wed May 22		
101		Utilizing National Health Insurance Research Database in Taiwan Searches the Potential Traditional Chinese Medicines as Antiviral for Dengue Virus Infection	Yi-Jung	Ho	Poster Session 1 & 2	Tue May 21; Wed May 22		
001		Virus Emergence at the Human-Animal Interface	Prof Edward	Holmes	Opening Session and Plenary Session	Monday, May 20, 2024	2:15 PM	3:15 PM
304		Potent Anti-COVID-19 Agent, GMS007, Made of Stable and Cell-Permeable Peptide Nucleic Acid (PNA)	Hyunseok	Hong	Poster Session 1 & 2	Tue May 21; Wed May 22		
503	YES	Development and establishment of reporter replicons for antiviral drug discovery against human Noroviruses	Myra	Hosmillo	Poster Session 1 & 2	Tue May 21; Wed May 22		
331		Evaluation of the Antiviral Activity and Cytokine Response of EIDD-1931 and Ensirelvir in a specialized 3D normal, human tracheal/bronchial (EpiAirway) tissue model infected with SARS-CoV-2	Brett	Hurst	Poster Session 1 & 2	Tue May 21; Wed May 22		
323		Novel SARS-CoV-2 entry inhibitors, 2-anilinoquinazolin-4(3H)-one derivatives, show potency as SARS-CoV-2 antivirals in a human ACE2 transgenic mouse model	Sangeun	Jeon	Poster Session 1 & 2	Tue May 21; Wed May 22		
225	YES	In vivo Evaluation of the Antiviral Efficacy of Subcutaneous Nafamostat Formulated with Glycyrrhizic Acid against COVID19	Ju Hwan	Jeong	Poster Session 1 & 2	Tue May 21; Wed May 22		
404	YES	Discovery of novel phenylalanine derivatives as potent HIV capsid modulators with improved antiretroviral activity and metabolic stability	Xiangyi	Jiang	Poster Session 1 & 2	Tue May 21; Wed May 22		

031		Liver-targeted therapeutic siRNAs against highly conserved yellow fever virus genomic sequences effectively limit infection and mortality in a hamster model.	Justin	Julander	Arboviruses	Wednesday, May 22, 2024	11:15 AM	11:25 AM
055		Treatment with 6MMPr potentiates the activity of favipiravir in a hamster model of yellow fever	Justin	Julander	Arboviruses	Thursday, May 23, 2024	3:20 PM	3:30 PM
220		Development of an antiviral assay in a specialized 3D liver tissue model in normal human-derived liver epithelial cells (EpiLiver™ LIV-100)	Kie Hoon	Jung	Poster Session 1 & 2	Tue May 21; Wed May 22		
403		Discovery of Novel Aryl Triazolone Dihydropyridines (ATDPs) Targeting Highly Conserved Residue W229 as Promising HIV-1 NNRTIs	Dongwei	Kang	Poster Session 1 & 2	Tue May 21; Wed May 22		
067		Discovery of a pan-genotype hepatitis E virus replication inhibitor exerting potent in vivo efficacy	Suzanne	Kaptein	Hepatotropic and GI Viruses	Friday, May 24, 2024	9:30 AM	9:40 AM
057		Development and mechanism of novel Diphyllin derivatives against Ebola virus infection	Patrick	Keiser	Broad Spectrum Antiviral Drugs, Non-respiratory Biothreat Viruses, and Pandemic Preparedness	Thursday, May 23, 2024	4:15 PM	4:25 PM
305	YES	Evaluation of Major Components of Green Plants, as Potential Therapeutics for SARS-CoV-2 variants	Eun Ha	Kim	Poster Session 1 & 2	Tue May 21; Wed May 22		
401		Helicase-primase inhibitor IM-250 efficiently controls herpes infections and recurrent disease by reducing the latent viral reservoir in animal models and shows sufficient exposure in a Phase 1 clinical trial	Gerald	Kleymann	Poster Session 1 & 2	Tue May 21; Wed May 22		
212	YES	Targeting SARS-CoV-2 Nsp14 Methyltransferase: From In Silico Design to Nanomolar Inhibitors	Hugo	Kocek	Poster Session 1 & 2	Tue May 21; Wed May 22		
402		HIV-1 Topoisomerase IIβ kinase as novel target to inhibit viral reverse transcription	Anand Kumar	Kondapi	Poster Session 1 & 2	Tue May 21; Wed May 22		
102	YES	The Role of Fibronectin in the Pathogenesis of Mosquito-borne Viral Disease	Yong Qian	Koo	Poster Session 1 & 2	Tue May 21; Wed May 22		
204	YES	Design, synthesis, and biological evaluation of β-L-thymidine, β-L-2'-deoxycytidine, and other L-nucleoside reverse fleximer analogues	Christianna	Kutz	Poster Session 1 & 2	Tue May 21; Wed May 22		
222	YES	VERAtide: the universal tool to enhance the efficacy of neutralizing antibodies	Young-Do	Kwon	Poster Session 1 & 2	Tue May 21; Wed May 22		
042		A CRISPR/Cas9 Genetically Engineered Organoid Biobank To Study Coronavirus Host Factors	Mart	Lamers	Coronaviruses, Influenza, RSV, and Other Respiratory Viruses	Thursday, May 23, 2024	9:40 AM	9:50 AM
050		Epstein Barr Virus and Multiple Sclerosis: Molecular Mechanisms and Treatment Strategies	Tobias	Lanz	Chronic, Latent, and Persistent Viruses - Retroviruses and Herpesviruses	Thursday, May 23, 2024	11:35 AM	12:05 PM
037		Accelerating Antiviral Discovery with Artificial Intelligence	Alpha	Lee	Machine Learning and Computational Approaches for Antiviral Research	Thursday, May 23, 2024	8:30 AM	9:00 AM
325		The immunobiotic Clostridium butyricum S45-5 displays broad spectrum of antiviral activity in vitro and in vivo	Jong-soo	Lee	Poster Session 1 & 2	Tue May 21; Wed May 22		
326		Anti-Respiratory Syncytial Virus activity of Sargassum fusiforme extract and its components in vitro and in vivo	Jong-soo	Lee	Poster Session 1 & 2	Tue May 21; Wed May 22		
327		Extracts of Aster tataricus and its component display broad spectrum of antiviral activity in Vitro and in Vivo by inducing antiviral state	Jong-soo	Lee	Poster Session 1 & 2	Tue May 21; Wed May 22		
328		Anti-Influenza effects of Lactobacillus reuteri BSA218 by Modulating Innate Immunity	Jong-soo	Lee	Poster Session 1 & 2	Tue May 21; Wed May 22		
072		Towards and HIV Cure – The Role of Immunotherapy and Gene Therapy	Sharon	Lewin	Chronic, Latent, and Persistent Viruses - Retroviruses and Herpesviruses	Friday, May 24, 2024	11:15 AM	11:45 AM
021		Nanobodies against COVID-19 and other emerging viruses	Fang	Li	Coronaviruses, Influenza, RSV, and Other Respiratory Viruses	Tuesday, May 21, 2024	4:35 PM	4:45 PM
205		Identification and characterization of small molecule inhibitors of SARS-CoV-2 RNA dependent RNA polymerase by targeting the NSP8-NSP12 interface	Hongmin	Li	Poster Session 1 & 2	Tue May 21; Wed May 22		
206		Metformin Inhibits Replication of EV-A71 and CVA16 by Multiple Mechanisms	Yuhuan	Li	Poster Session 1 & 2	Tue May 21; Wed May 22		
306		In Silico Identification and In Vitro Validation of Repurposed Compounds Targeting the RSV Polymerase	Bo	Liang	Poster Session 1 & 2	Tue May 21; Wed May 22		
330		Establishment of an integrated assay platform for supporting the discovery of antivirals and vaccines against human metapneumovirus infection	Fusen	Lin	Poster Session 1 & 2	Tue May 21; Wed May 22		
207		Defective interfering RNA induces innate immunity and broad-spectrum antiviral activity	Min-Hsuan	Lin	Poster Session 1 & 2	Tue May 21; Wed May 22		
044		A Mouse Model of Human Parainfluenza Virus Type 3 Infection to Study Prophylactic and Therapeutic Modalities	Yuxia	Lin	Coronaviruses, Influenza, RSV, and Other Respiratory Viruses	Thursday, May 23, 2024	10:35 AM	10:45 AM
023		Development of Broad-Spectrum Antiviral Drugs	Hong	Liu	Chronic, Latent, and Persistent Viruses - Retroviruses and Herpesviruses	Wednesday, May 22, 2024	8:30 AM	9:00 AM
061		Generation and Optimization of Bangladesh and Malaysian Recombinant Reporter Nipah Viruses for Antiviral Screening in vitro and Disease Modeling in vivo.	Michael	Lo	Broad Spectrum Antiviral Drugs, Non-respiratory Biothreat Viruses, and Pandemic Preparedness	Thursday, May 23, 2024	5:10 PM	5:20 PM
043		Macrophage Control of Influenza Virus Replication	Sarah	Londrigan	Coronaviruses, Influenza, RSV, and Other Respiratory Viruses	Thursday, May 23, 2024	9:50 AM	10:20 AM

351V		NEPTUNO: A Phase III Clinical Study of Plitidepsin for the Treatment of Adult Patients with COVID-19 Requiring Oxygen Therapy.	Diego	Lopez-Mendoza	Poster Session 1 & 2	Tue May 21; Wed May 22		
002		Platforms for Clinical Development of Therapeutics for Acute Viral Infections	Dr. Jenny	Low	Opening Session and Plenary Session	Monday, May 20, 2024	3:15 PM	4:15 PM
006		Towards a Novel Host-Targeted Anti-Infective Strategy Against COVID-19 and Other Acute Respiratory Viral Diseases	Stephan	Ludwig	Broad Spectrum Antiviral Drugs, Non-respiratory Biothreat Viruses, and Pandemic Preparedness	Tuesday, May 21, 2024	9:25 AM	9:35 AM
064		Small molecule antiviral candidates for Rift Valley Fever	Wenjun	Ma	Broad Spectrum Antiviral Drugs, Non-respiratory Biothreat Viruses, and Pandemic Preparedness	Thursday, May 23, 2024	5:40 PM	5:50 PM
223	YES	A Biocompatible, Virucidal Zwitterionic Antiviral Polymer Reduces Chikungunya Virus Infection in Murine Models	Shannan-Leigh	Macleod	Poster Session 1 & 2	Tue May 21; Wed May 22		
107	YES	Niosomal and poly lactic-co-glycolic acid nanoparticles loaded with cannabidiol as an antiviral strategy against Zika virus	Agostina Belén	Marquez	Poster Session 1 & 2	Tue May 21; Wed May 22		
307	YES	Targeting viral RNA as new approach for antivirals: from in silico to cells	Gregory	Mathez	Poster Session 1 & 2	Tue May 21; Wed May 22		
071		Protease Inhibitor Activity Varies Between Genogroup I and Genogroup II Noroviruses	Alice	McSweeney	Hepatotropic and GI Viruses	Friday, May 24, 2024	10:10 AM	10:20 AM
504	YES	Antiviral Inhibition of Human Norovirus ProPol Precursor	Alice	McSweeney	Poster Session 1 & 2	Tue May 21; Wed May 22		
308	YES	Discovery of Nanosota-2, -3, and -4 as super potent and broad-spectrum therapeutic nanobody candidates against COVID-19	Alise	Mendoza	Poster Session 1 & 2	Tue May 21; Wed May 22		
218	YES	Novel Virucidal Synthetic Polymers Targeting Enveloped Viruses	Hylemariam	Mengist	Poster Session 1 & 2	Tue May 21; Wed May 22		
309		A New Cell Culture-based Assay IRINA to Assess Antiviral Susceptibility of Seasonal and Variant Influenza Viruses.	Vasily	Mishin	Poster Session 1 & 2	Tue May 21; Wed May 22		
076	Poster (no award)	Evaluation and Pharmacokinetics of the POM-L-BH DU-MP Prodrug Against Varicella Zoster Virus and Herpes Simplex Virus 1 in vivo	Jennifer	Moffat	Chronic, Latent, and Persistent Viruses - Retroviruses and Herpesviruses	Friday, May 24, 2024	12:15 PM	12:25 PM
215		The Extracellular Matrix Multi-Tissue Platform (MTP), Has Broad-Spectrum Antiviral Activity and Prevents Varicella Zoster Virus Spread in Cells and Human Skin	Jennifer	Moffat	Poster Session 1 & 2	Tue May 21; Wed May 22		
208	YES	Plitidepsin broadly inhibits protein synthesis of distant viruses while reprogramming the translational cellular landscape as a homeostatic response	Elisa	Molina Molina	Poster Session 1 & 2	Tue May 21; Wed May 22		
045		Engineering protease-resistant peptides to inhibit human parainfluenza viral respiratory infection	Anne	Moscona	Coronaviruses, Influenza, RSV, and Other Respiratory Viruses	Thursday, May 23, 2024	10:45 AM	10:55 AM
354V		6-Azauridine Prodrugs as Anti-Influenza Inhibitors	Omar	Moukha-Chafiq	Poster Session 1 & 2	Tue May 21; Wed May 22		
065		In Silico Tools for Antiviral Research and Future Pandemic Forecasting.	Eugene	Muratov	Broad Spectrum Antiviral Drugs, Non-respiratory Biothreat Viruses, and Pandemic Preparedness	Thursday, May 23, 2024	5:50 PM	6:00 PM
310	YES	Intriguing Structure of the Influenza A Virus Genome - Are G-quadruplexes Potential Targets for Antivirals?	Maria	Nalewaj	Poster Session 1 & 2	Tue May 21; Wed May 22		
016		Activating the RIG-I Pathway by RNA Agonists or Small Molecule Drugs Triggers Innate Immune Programming to Control Infection by Influenza A virus and SARS-CoV2	Amina	Negash	Coronaviruses, Influenza, RSV, and Other Respiratory Viruses	Tuesday, May 21, 2024	3:10 PM	3:20 PM
007		Exploring Viral RNA Methyltransferases for Antiviral Drug Design	Radim	Nencka	Broad Spectrum Antiviral Drugs, Non-respiratory Biothreat Viruses, and Pandemic Preparedness	Tuesday, May 21, 2024	9:35 AM	9:45 AM
209		Broad-spectrum antiviral potential of PI3K inhibitors	Natalie	Netzler	Poster Session 1 & 2	Tue May 21; Wed May 22		
003		My Battle Against Viruses	Johan	Neyts	Gertrude Elion Memorial Award Lecture	Monday, May 20, 2024	4:30 PM	5:30 PM
056		Understanding Mechanisms of Infection and Immunity of Viral Diseases for Therapeutics	Prof Lisa F.P	Ng	Broad Spectrum Antiviral Drugs, Non-respiratory Biothreat Viruses, and Pandemic Preparedness	Thursday, May 23, 2024	3:45 PM	4:15 PM
035		Discovery of pan-flaviviral protease inhibitors	Christoph	Nitsche	Arboviruses	Wednesday, May 22, 2024	11:55 AM	12:05 PM
075	YES	HSV-1 Latency is Established in Human Neurons in which Viral Genes are Expressed and Viral DNA is Replicated during the Acute Infection	Arryn	Owens	Chronic, Latent, and Persistent Viruses - Retroviruses and Herpesviruses	Friday, May 24, 2024	12:05 PM	12:15 PM
311	YES	Effect of sample collection variables on Viral RNA recovery from Manholes for wastewater-based Epidemiology	Olatubosun	Oyewole	Poster Session 1 & 2	Tue May 21; Wed May 22		
352V		A Comprehensive Depiction of Events and Signaling Pathways Involving in SARS-CoV-2 Spike Protein-mediated Syncytia Formation	Xiaoben	Pan	Poster Session 1 & 2	Tue May 21; Wed May 22		
038		Atomistic Model of the Coronavirus nsp3/nsp4 Double Membrane Vesicle Pore	Jason	Perry	Machine Learning and Computational Approaches for Antiviral Research	Thursday, May 23, 2024	9:00 AM	9:10 AM
073		Antivirals Targeting the Conserved HIV-1 TIM-TAM Riboswitch Specifically Reactivate HIV-1 from Latency through Modulating Viral RNA-biology.	Damian	Purcell	Chronic, Latent, and Persistent Viruses - Retroviruses and Herpesviruses	Friday, May 24, 2024	11:45 AM	11:55 AM
322		Directed Evolution of SARS-CoV-2 Spike Protein Reveals Determinants of Fusion Route and Syncytia Formation	Amal	Rahmeh	Poster Session 1 & 2	Tue May 21; Wed May 22		
106		Carbazole to indolazepinone scaffold morphing generates potent cell-active Dengue antivirals	Gerry	Rassias	Poster Session 1 & 2	Tue May 21; Wed May 22		
108	YES	Preclinical evaluation of insect-specific virus platform vaccines (ISVac) for Japanese encephalitis virus and Chikungunya virus in PC3 mouse models	Daniel	Rawle	Poster Session 1 & 2	Tue May 21; Wed May 22		

029		Antiviral Strategies Towards Hepatitis B Cure	Prof. Peter	Revell	Hepatitis Viruses and GI Viruses	Wednesday, May 22, 2024	9:50 AM	10:20 AM
048	Poster (no award)	Development of Small Molecule Entry Inhibitors as Novel Therapeutics against Influenza Viruses	Lijun	Rong	Coronaviruses, Influenza, RSV, and Other Respiratory Viruses	Thursday, May 23, 2024	11:15 AM	11:25 AM
201		Discovery of Small Molecule Inhibitors against Henipaviruses	Lijun	Rong	Poster Session 1 & 2	Tue May 21; Wed May 22		
032	YES	Ingestion of the antiviral drug JNJ-A07 by mosquitoes during blood-feeding significantly reduced dengue virus transmission	Ana	Rosas	Arboviruses	Wednesday, May 22, 2024	11:25 AM	11:35 AM
103		Old world alphaviruses induce rapid and strong neuroinflammation in primary human astrocytes.	Penny	Rudd	Poster Session 1 & 2	Tue May 21; Wed May 22		
210		Evaluation of Potency and Metabolic Stability of Diphyllin-Derived Vacuolar-ATPase Inhibitors	Laura	Sanford	Poster Session 1 & 2	Tue May 21; Wed May 22		
010	YES	Molnupiravir extends its broader spectrum of activity to human norovirus and rotavirus in 3D human intestinal enteroids	Nanci	Santos-Ferreira	Broad Spectrum Antiviral Drugs, Non-respiratory Biothreat Viruses, and Pandemic Preparedness	Tuesday, May 21, 2024	11:45 AM	11:55 AM
501		Human Intestinal Enteroids as a new in vitro model for Hepatitis E Virus antiviral development	Nanci	Santos-Ferreira	Poster Session 1 & 2	Tue May 21; Wed May 22		
329		Mesenchymal stem cells as immunomodulatory and regenerative agent for SARS-CoV-2 infection	Eryl	Savitri	Poster Session 1 & 2	Tue May 21; Wed May 22		
312		A natural compound and its synthetic derivative: towards new potent pan-coronavirus antiviral agents	Karin	Séron	Poster Session 1 & 2	Tue May 21; Wed May 22		
313	YES	A Favipiravir analogue and chain terminator, active against SARS-CoV-2	Ashleigh	Shannon	Poster Session 1 & 2	Tue May 21; Wed May 22		
500		Modeling the impact of antiviral therapy on liver disease associated with chronic hepacivirus infection	Timothy	Sheahan	Poster Session 1 & 2	Tue May 21; Wed May 22		
109		Adjusting susceptibilities of C57BL/6 mice to flaviviruses for evaluation of antiviral drugs by altering the levels of interferon alpha/beta receptor function.	Venkatraman	Siddharthan	Poster Session 1 & 2	Tue May 21; Wed May 22		
214		Therapeutic efficacy of EIDD-2947 against poliovirus and coxsackievirus B3 in mice	Venkatraman	Siddharthan	Poster Session 1 & 2	Tue May 21; Wed May 22		
216		Therapeutic efficacy of EIDD-2947 against poliovirus and coxsackievirus B3 in mice	Venkatraman	Siddharthan	Poster Session 1 & 2	Tue May 21; Wed May 22		
226		Development of a multiplex screening assay for identifying novel antiviral targets involved in ebolavirus proteolysis	Graham	Simmons	Poster Session 1 & 2	Tue May 21; Wed May 22		
017	YES	Understanding and Inhibiting SARS-CoV-2 NiRAN Domain Catalytic Activities Through Structural Studies and Large-Scale Docking	Gabriel	Small	Coronaviruses, Influenza, RSV, and Other Respiratory Viruses	Tuesday, May 21, 2024	3:20 PM	3:30 PM
074		Mechanisms of HIV-1 Hypersensitivity to Islatravir (4'-ethynyl-2-fluoro-2'-deoxyadeosine (EFdA))	Alexa	Snyder	Chronic, Latent, and Persistent Viruses - Retroviruses and Herpesviruses	Friday, May 24, 2024	11:55 AM	12:05 PM
252V		Establishment of a lethal model of Nipah virus infection through transient immunosuppression of wild-type mice	Teresa	Sorvillo	Poster Session 1 & 2	Tue May 21; Wed May 22		
004		Challenges and Gains of Pre-Clinical Screening Models for Vaccine and Antiviral Advancement	Jessica	Spengler	William Prusoff Memorial Award Lecture	Tuesday, May 21, 2024	8:30 AM	9:15 AM
256V		Diaryl Ethers in Double Combinations with Pocapavir against Poliovirus 1 and Coxsackievirus B4	Adelina	Stoyanova	Poster Session 1 & 2	Tue May 21; Wed May 22		
104		Identification of anisomycin as a novel inhibitor of Chikungunya virus	Youichi	Suzuki	Poster Session 1 & 2	Tue May 21; Wed May 22		
034		Identification of mRNA processing machinery as druggable host factor targets for dengue virus infection	Min Jie Alvin	Tan	Arboviruses	Wednesday, May 22, 2024	11:45 AM	11:55 AM
253V		Combination virtual screening and antiviral assays identify VP37 pocket of mpox virus as a promising target for pan-orthopoxviruses inhibitor	Wenjie	Tan	Poster Session 1 & 2	Tue May 21; Wed May 22		
219		Nasodine (0.5% PVP-I) Reduces SARS-CoV-2 Titers in COVID-19 Patients: a Phase II Trial	simon	tucker	Poster Session 1 & 2	Tue May 21; Wed May 22		
314		Measles Outbreak Investigation Among Dilla University Students, South Ethiopia, 2022	Awel	Tura	Poster Session 1 & 2	Tue May 21; Wed May 22		
105	YES	Unlocking the Flaviviral Blueprint: Leveraging Flaviviral Regulation of Selective Autophagy for Therapeutic Intervention	Sophie	van Leur	Poster Session 1 & 2	Tue May 21; Wed May 22		
315	YES	Imiquimod Inhibits the Multiplication of Coronaviruses Through the MAPK/ERK Pathway	Josefina	Vicente	Poster Session 1 & 2	Tue May 21; Wed May 22		
211	YES	Curcumin affects early and late steps of Junin virus multiplication in cell cultures	Mariel	Wagner	Poster Session 1 & 2	Tue May 21; Wed May 22		
115V		A Yellow Fever Virus NS4B Inhibitor sequentially Inhibits Viral RNA Synthesis and Activates Double-Stranded RNA Responses to Accelerate Apoptosis of Infected Cells	Fuxuan	Wang	Poster Session 1 & 2	Tue May 21; Wed May 22		
060	Poster (no award)	Tribbles Pseudokinase 3 Promotes Enterovirus A71 Infection via Dual Mechanisms	Huiqiang	Wang	Broad Spectrum Antiviral Drugs, Non-respiratory Biothreat Viruses, and Pandemic Preparedness	Thursday, May 23, 2024	5:00 PM	5:10 PM

019		Design of SARS-CoV-2 papain-like protease inhibitor with antiviral efficacy in a mouse model	Jun	Wang	Coronaviruses, Influenza, RSV, and Other Respiratory Viruses	Tuesday, May 21, 2024	4:15 PM	4:25 PM
316	YES	Disruption of Spike Priming in Virus Entry: Tetrandrine's Potential Against Pan-coronaviruses	Kun	Wang	Poster Session 1 & 2	Tue May 21; Wed May 22		
011		Targeting mpox virus resolvase (Mpr): in vitro assay development and inhibitors	Zhengqiang (ZQ)	Wang	Broad Spectrum Antiviral Drugs, Non-respiratory Biothreat Viruses, and Pandemic Preparedness	Tuesday, May 21, 2024	11:55 AM	12:05 PM
110		Development of messenger RNA vaccines targeting dengue virus non-structural proteins	Satoru	Watanabe	Poster Session 1 & 2	Tue May 21; Wed May 22		
018		Combating Emerging Hhenipaviruses	Daniel	Watterson	Coronaviruses, Influenza, RSV, and Other Respiratory Viruses	Tuesday, May 21, 2024	3:45 PM	4:15 PM
505	YES	Exploring Antiviral Candidates for Human Norovirus: Utilizing the Pandemic Response Box's Open-Source Compound Repository	Euan	Webster	Poster Session 1 & 2	Tue May 21; Wed May 22		
062	YES	Intranasal route to immunity: single dose mucosal delivery of viral replicon particle vaccine protects uniformly against lethal Nipah virus challenge in African green monkeys	Stephen	Welch	Broad Spectrum Antiviral Drugs, Non-respiratory Biothreat Viruses, and Pandemic Preparedness	Thursday, May 23, 2024	5:20 PM	5:30 PM
012		Potential Genetic Determinants Affecting Virulence of Heartland Bandavirus Infection in Mice and Therapeutic Intervention with the Ribonucleoside Analog, EIDD-2749	Jonna	Westover	Broad Spectrum Antiviral Drugs, Non-respiratory Biothreat Viruses, and Pandemic Preparedness	Tuesday, May 21, 2024	12:05 PM	12:15 PM
009		Nonstructural Protein 4B: Jewelry or Rock for Flavivirus Drug Development	Xuping	Xie	Broad Spectrum Antiviral Drugs, Non-respiratory Biothreat Viruses, and Pandemic Preparedness	Tuesday, May 21, 2024	11:15 AM	11:45 AM
069	YES	Discovery of First-in-Class Hydrophobic Tagging (HyT)-based Degradable of HBV Core Protein	Shujing	Xu	Hepatotropic and GI Viruses	Friday, May 24, 2024	9:50 AM	10:00 AM
317		Lycorine Inhibits Influenza Virus Replication Through Autophagy Pathways	Haiyan	Yan	Poster Session 1 & 2	Tue May 21; Wed May 22		
046		Aptamer-based Glycoprotein Broad-spectrum Blocking Strategy Inhibits Respiratory Syncytial Virus Infection	Ge	Yang	Coronaviruses, Influenza, RSV, and Other Respiratory Viruses	Thursday, May 23, 2024	10:55 AM	11:05 AM
213		Antiviral activities of two nucleos(t)ide analogs against orthopoxviruses	Zhilong	Yang	Poster Session 1 & 2	Tue May 21; Wed May 22		
022		Intranasal administration of a live attenuated vaccine derived from NSP16-deficient SARS-CoV-2 confers sterilizing immunity in rodent models	Zi-Wei	Ye	Coronaviruses, Influenza, RSV, and Other Respiratory Viruses	Tuesday, May 21, 2024	4:45 PM	4:55 PM
507		Assay development to test viral intrinsically disordered regions as potential antiviral targets	Vivienne	Young	Poster Session 1 & 2	Tue May 21; Wed May 22		
015		Identification of Novel Small-Molecule Inhibitors of SARS-CoV-2 by Chemical Genetics	Shuofeng	Yuan	Coronaviruses, Influenza, RSV, and Other Respiratory Viruses	Tuesday, May 21, 2024	3:00 PM	3:10 PM
040	YES	Click Chemistry-based Rapid Identification and Crystallographic Studies of Novel 1,2,3-Triazole-bearing Diazabicyclooctane Derivatives as Non-Covalent SARS-CoV-2 Mpro Inhibitors with Potent Antiviral Activity and Improved Drug-resistance Profile	Peng	Zhan	Coronaviruses, Influenza, RSV, and Other Respiratory Viruses	Thursday, May 23, 2024	9:20 AM	9:30 AM