

PROGRAM

‘International Conference on Virus Evolution, Infection and Disease Control (ICVEIDC)’

15-17 December 2022.

Schedule: Day 1, Dec 15 (Thursday)

Registration 9.00 to 10.00 AM	Talk Time (Mins)
Inauguration 10.00 to 10.30 AM	
Session I: Inaugural Talk 10.30 to 11.00 AM	
Prof B J Rao, Vice Chancellor, University of Hyderabad, Gachibowli, Hyderabad, Telangana State, India. Title: ‘ Virus evolution within a context ’.	30
Break: 11.00 to 11.15 AM	
Session II: 11.15 AM to 1.00 PM (Chairs: Dr Manmohan Parida and Prof. N Sivakumar)	
Viral Pathogens & Evolution	
Prof Ganjam V. Kalpana. Department of Genetics, Albert Einstein College of Medicine, New York City, NY, USA. Title: ‘ Structural mimicry between HIV-1 TAR RNA and the host factor INI1/SMARCB1: Implications for development of novel therapeutics and viral evolution ’.	20+5
Dr Debasis Nayak, Indian Institute of Science Education and Research (IISER) Bhopal. Title: ‘ Sequence homology and <i>in-silico</i> approach predicting candidate targets for immune responses to Kyasanur forest disease virus (KFDV), Alkhumra hemorrhagic fever virus (ALKV), and Tick-borne encephalitis virus (TBEV) ’.	15+5
Dr Sankar Bhattacharyya, Translational Health Science and Technology Institute (THSTI), Faridabad, Haryana. Title: ‘ Dengue virus replication is promoted in differentiating K562-megakaryocytes which interferes with crucial steps in megakaryopoiesis ’.	15+5
Dr Kesavardana Sannula, Dept of Biochemistry, Indian Institute of Science (IISc), Bangalore, India. Title: ‘ Decoding hidden structural mechanisms of respiratory viruses targeting host cell death and RNA sensing ’.	15+5
Dr Shwetha Shivaprasad, Stanford University, USA. Title: ‘ Discovering novel host-virus interactions that modulate Dengue virus infection ’.	10+2
Lunch 1.00 to 2.00 PM	
Session III: 2.00 to 3.45 PM (Chairs: Prof Vinayaka R Prasad and Prof Guruprasad)	
Host-Virus Interactions	
Dr Manmohan Parida, Director, Defense Research & Development Establishment (DRDE), Defense Research & Development Organization (DRDO), Gwalior-474002, India. Title: ‘ Biodefence Preparedness: Indian Perspective Lesson Learned from COVID-19 Pandemic ’.	20+5
Dr Nagender Hegde, National Institute of Animal Biotechnology (NIAB), Hyderabad, India. Title: ‘ Viral vectors for antigen delivery: where do we stand? ’	15+5

Prof Milan Surjit, Translational Health Science and Technology Institute (THSTI), Faridabad, India. Title: 'Exploring the cross-talk between human endogenous retroviruses and SARS-CoV-2' .	15+5
Dr Gulam Hussain Syed, Institute of Life Sciences (ILS), Bhubaneswar, India. Title: 'Dengue Drives Inflammation by Disrupting Host Mitochondrial Quality Control' .	15+5
Ms Lekha Gandhi, University of Hyderabad, India. Title: 'Sub-cellular localization of dengue virus protease and consequences'	10+2
Mr Y. Sriram, Department of Biochemistry, University of Hyderabad, Hyderabad, India. Title: 'Multifaceted HIV-1 Tat regulates HIV-1 Rev distribution in infected cells through influencing the hnRNPs-mediated splicing' .	10+2
Break: 3.45 to 4.00 PM	
Session IV: 4.00 to 5.30 PM (Prof Ganjam V Kalpana and Dr Sunanda Bhattacharya)	
Molecular Virology	
Prof. Vinayaka R. Prasad, Albert Einstein College of Medicine, New York, USA. Title: 'Mechanisms underlying the CCL2-mediated mobilization of ALIX to facilitate HIV-1 budding, virion release and HIV-1 fitness; Implications for evolution of HIV-1 subtype C' .	20+5
Prof Abani K Buyan, School of Chemistry, University of Hyderabad, India. Title: 'IDP Evolution and Structure.'	15+5
Dr Baibaswata Nayak, All India Institute of Medical Sciences (AIIMS), New Delhi, India. Title: 'The CRISPR/Cas9 system to target Hepatitis B virus genome' .	15+5
Dr Rahul Kumar, Dept of Plant Sciences, University of Hyderabad, India. Title: 'Viral vectors and their applications in plant functional genomics' .	15+5
Poster session 5.30 to 7.00 PM	
Cultural Program by S N School University of Hyderabad (7.00 to 8.00 PM)	
Dinner	

Schedule: Day 2, Dec 16 (Friday)

Session V 9.30 to 11.00 AM (Prof Jagan Pongubala and Prof Srinivas K)	Talk Time (Mins)
Asian Specific Viruses	
Prof Guru Prasad Medigeshi, Translational Health Science and Technology Institute (THSTI), Faridabad, India. Title: 'Influence of pre-existing neutralizing antibodies on dengue viremia and serotype dominance' .	20+5
Dr. Mamta Chawla-Sarkar, Division of Virology, ICMR-National Institute of Cholera and Enteric Diseases (NICED), Kolkata, India. Title: 'Host-directed anti-virals: Strategy targeting host factors critical for rotavirus infection' .	15+5
Dr Madhu Chanda Mohanty, NIV, Mumbai Unit, Mumbai, India. Title: 'Hand Foot and Mouth Disease Virus infections in India: Susceptibility of human neuronal cells to Indian genotypes' .	15+5
Ms Indira Patthabhi, University of Hyderabad, India. Title: 'Study on anti-cancer drugs effects in re-establishing immune homeostasis in hematopoietic mutants of <i>Drosophila</i>' .	10+2
Ms Deepti Maisnam, University of Hyderabad, India. Title: 'Dengue virus serotype/genotype circulation in Telangana, India' .	10+2
Break 11.00 to 11.15AM	
Session VI 11.15 AM to 1.00 PM (Prof Gutti Ravi and Dr G B Madhu Babu)	
Highlighting SARS CoV2	
Prof Siddappa N Byrareddy, University of Nebraska Medical Center, USA. Title: 'Blockade of SARS-CoV-2 infection by targeting virus-host interactions using small molecule inhibitors' .	20+5
Dr Anthony Addlagatta, CSIR-Indian Institute of Chemical Technology (IICT), Hyderabad, India. Title: 'Development of dual inhibitors of SARS-CoV-2 M^{Pro} and PL^{Pro} enzymes' .	15+5
Dr Anil Kumar Pasupuleti, Dept of Biochemistry, University of Hyderabad, India. India. Title: 'Podocyte injury in Covid-19 patients' .	15+5
Dr Budhaditya Chatterjee, Indian Institute of Science Bangalore (IISc), India. Title: 'Modelling elucidates the immune underpinnings of the heterogeneous outcomes of SARS-CoV-2 infection' .	10+2
Mr Abhinay Gontu, Department of Veterinary and Biomedical Sciences, Pennsylvania State University, Pennsylvania, USA. Title: 'Engineered defective interfering viruses as promising evolution-proof SARS-CoV-2 antivirals' .	10+2
Deepika Rathore, University of Hyderabad, India. Title: 'In silico screening and identification of novel epitopes as immunogens for SARS CoV2' .	10+2
Lunch (1.00 to 2.00PM)	
Session VII 2.00 to 3.45 PM (Chairs: Dr Somen Basak and Dr Madhuri Subbaiah)	
Clinical Virology	
Prof Jagan Pongubala, Dept of Animal Biology, University of Hyderabad, India. Title: 'microRNAs confer lymphoid cell fate commitment' .	20+5

Dr Suneetha Narreddy, Infec Dis, APOLLO hospitals, Jubilee hills, Hyderabad, India. Title: ‘Common and uncommon viral infections seen in the hospital settings’ .	15+5
Dr Madhuri Subbiah, National Institute of Animal Biotechnology (NIAB), Hyderabad, India. Title: ‘Significance of RNA editing in paramyxoviruses’ .	15+5
Dr Arcy Wahab Billoria, Lotus Children’s Hospital, Hyderabad, India. Title: ‘Clinical Characteristics of Human Viruses’ .	15+5
Dr Yenuganti Vengala Rao, Dept of Animal Biology, University of Hyderabad, India. Title: ‘Anti-viral properties of milk exosomes: Dengue as a case study’ .	10+2
Break 3.45 to 4.00 PM	
Session VIII 4.00 to 6.00 PM (Prof Suparna Sanyal and Dr Insaf Ahmed Quireshi)	
General Virology (online talks)	
Prof. Satyanarayana T, United States Department of Agriculture-Agricultural Research Service and Department of Plant Pathology, University of Nebraska-Lincoln, USA. Title: ‘Virus-host interactions and disease management of wheat streak mosaic virus’ .	20+5
Prof Suresh V. Kuchipudi, Pennsylvania State University, USA. Title: ‘Human-animal spillover of SARS-CoV-2: Implications for virus evolution and public health’ .	15+5
Prof Naresh Babu V Sepuri, USA Title: ‘Lipid-associated mitochondria in the liver: Implications in viral propagation’ .	15+5
Dr Kishore Kakani, The University of British Columbia, Canada. Title: ‘Biochemical and Structural studies on Cucumber Necrosis Virus Vector transmission and Assembly’ .	15+5
Dr Guarnieri Joseph, USA. Title: ‘TARGETED DOWN REGULATION OF CORE MITOCHONDRIAL GENES DURING SARS-COV-2 INFECTION.	15+5
Dr Nanda Kishore, USA. Title: “Preclinical development of Modified Vaccinia virus Ankara vaccines against SARS-CoV-2 infections” .	10+2
Session IX (Interactive session): 6.00 to 7.15 PM (Chairs: Dr Madhuri Subbaiah and Dr Anil Kumar P) Topic: Why do Vaccines often fail?	
Special Dinner	

Schedule: Day 3, Dec 17 (Saturday)

Session IX 9.30 to 11.00 AM (Prof Siddappa Byrareddy and Dr Vaibhav Vindhal)	Talk Time (Mins)
Virus Inactivation-I	
Dr Soumen Basak, National Institute of Immunology (NII), New Delhi, India. Title: 'A RelB NF-kappaB-type-1 IFN signaling axis in antiviral vitamin D functions' .	20+5
Dr Arindam Mondal, Indian Institute of Technology (IIT), Kharagpur, India. Title: 'Targeting evolutionarily conserved molecular marks to develop broad-spectrum antivirals against SARS-CoV-2' .	15+5
Dr Indranil Banerjee, Indian Institute of Science Education and Research (IISER), Mohali, India. Title: 'Blocking enemy at the gates: novel endocytosis inhibitors broadly restrict SARS-CoV-2 and influenza A virus by perturbing viral entry pathways' .	15+5
Ms Deepali Mahir Nahar, St. John Institute of Pharmacy and Research, Palghar, Maharashtra, India. Title: 'Design, synthesis and evaluation of small molecules targeting NS2B-NS3 protease enzyme of Dengue Virus' .	10+2
Ms Pooja R Karkare, M.S Ramaiah Institute of Technology, Bangalore. Title: 'Investigation of Piper cubeba for Antiviral Activity by Targeting Dengue Viral Protease' .	10+2
Break (11.00 to 11.15 AM)	
Session X: 11.15 AM to 1.00 PM (Prof Udaykumar Ranga and Dr Bindu Madhava Reddy)	
Virus control on the cells	
Prof Suparna Sanyal, Department of Cell and Molecular Biology, Uppsala University, Sweden. Title: 'Cryo-EM reveals molecular events of protein synthesis in a protozoan parasite <i>Giardia intestinalis</i>' .	20+5
Dr Alok Chakraborty, ICMR-National Institute of Cholera and Enteric Diseases (NICED), Kolkata, India. Title: 'Comparative analysis of PB1-F2 protein from different Influenza A virus subtypes and its role in enhancing viral pathogenicity' .	15+5
Dr Bhupender Kumar Verma, All India Institute of Medical Sciences (AIIMS), New Delhi, India. Title: 'RNases modulation during DENV pathogenesis' .	15+5
Ms Gauthami Sulgey, National Institute of Animal Biotechnology (NIAB), Hyderabad, India. Title: 'Development of a SARS-CoV-2 replicon- a platform for screening antivirals against coronaviruses' .	10+2
Mr Kumaraswami Chintala, Dept. of Biochemistry, School of Life Sciences, University of Hyderabad, Hyderabad, India.	10+2

Title: ‘Nucleoporin NUP98 suppresses the HIV-1 basal gene expression’.	
Lunch (1.00 to 2.00 PM)	
Session XI 2.00 to 3.00 PM (Prof Nagender Hegde and Dr Prasad Tammineni)	
Virus Inactivation-II	
Dr Musturi Venkataramana, Department of Biotechnology & Bioinformatics, School of Life Sciences, University of Hyderabad, Gachibowli-500046, Telangana State, India. Title: ‘Dengue virus protease, a prime target for drug development’.	15+5
Dr Agiesh Kumar B, MGM Advanced Research Institute -Sri Balaji Vidyapeeth Deemed to be University. Title: ‘Predictive Biomarkers for the Understanding the Outcome of Dengue and SARS-CoV-2’.	15+5
Ms Jimema Paul, Institute of Bioscience and Technology, MGM University, Aurangabad, India. Title: ‘Modeling, dynamic and quality checking of Monkeypox viral receptor’.	10+2
Session XII: Valedictory talk 3.00 to 3.30 PM	
Prof Udaykumar Ranga, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCAR), Bangalore, India. Title: ‘HIV-1C transcriptional silence: catch me if you can!’.	30
Valedictory function 3.30 PM onwards	
High tea	

(M VENKATARAMANA)