

Program Schedule – VIROCON 2025

Theme: One Health and Pandemic Preparedness (Hall 1) Day 1 – 08/12/2025	
Session I	
Chairs: Dr. Devendra T Mourya & Dr. Paban Kumar Dash	
Time	Speakers & Title of talk
09:00-10:00	Oral Presentations: OP1 to OP6
10:00-10:25	Keynote Talk 1: Dr. Nivedita Gupta Overview of the National One Health Mission
10:25-10:40	Lead Lecture 1: Dr. Manmohan Parida Biodefence Preparedness: Indian Perspective Lesson Learned from COVID-19 Pandemic
10:40-10:55	Lead Lecture 2: Dr. Ashwin Raut Deciphering the molecular pathogenesis of avian influenza in avian species: A multiomics approach
10:55-11:10	Tea break & Poster viewing: P01 – P60
11:10-11:35	Keynote Talk 2: Lt. Gen. (Dr.) Velu Nair (Retd.) One Health: Its scope and challenges
11:35-11:50	Lead Lecture 3: Dr. Aniket Sanyal One Health in action: NISHAD's pivotal role in preventing transboundary animal diseases
11:50-12:05	Lead Lecture 4: Dr. Atanu Basu From discovery to defence: NIV's EM unit in tracking new viral threats
12:05-13:05	Oral Presentations: OP7 to OP11
13:05-13:30	Panel Discussion: Pandemic preparedness & response: Challenges & Solutions Dr. Sindura Ganapathi, Dr. Devendra T Mourya, Dr. Nivedita Gupta & Dr. Himanshu Chauhan
13.30-14:15	Lunch & Poster viewing
Session II	
Chairs: Dr. Akhilesh C Mishra & Dr. Manju Rahi	
14:15-15:00	Oral Presentations: OP12 to OP15
15:00-15:15	Lead Lecture 5: Dr. Gajanan Sapkal Virus Research and Diagnostic Laboratories (VRDLs): An overview
15:15-15:30	Lead Lecture 6: Dr. V. Balamurugan Eradication of Peste des Petits Ruminants in India: Current Status, Insights, and Future Roadmap
15:30-15:45	Lead Lecture 7: Dr. Paban Kumar Dash Detection and Verification of high risk viral agents from Biodefence perspective
16:00-16:15	Tea break
16:15-17:05	Oral Presentations: OP16 to OP20
17:05-18:00	Poster Viewing Session: P61 – P120
18:00-18:30	Inaugural address: Organizing Secretary, VIROCON 2025 and Secretary DHR & DG ICMR
18:30-19:30	IVS Activities
19:30-21:00	Dinner

Theme: Development of Countermeasures (Hall 2) Day 1 – 08/12/2025	
Session I Chairs: Prof. Radha Kanta Ratho & Dr. Srikanth Tripathy	
Time	Speakers & Title of talk
09:00-10:00	Oral Presentations: DC1 to DC5
10:00-10:25	Keynote Talk 1: Dr. Bhupendra Nath Tripathi Innovation in Action: Tracing the path to the world's first DIVA marker LSD vaccine from India
10:25-10:40	Lead Lecture 1: Dr. Sonalika Mahajan CRISPR-Cas based diagnostics for veterinary viruses: Accelerating field detection of veterinary pathogens
10:40-10:55	Lead Lecture 2: Dr. Madhu Mohanty Unravelling Long COVID: Immune Response Dynamics and Biomarker Signatures of persistent Post-Acute Sequelae
10:55-11:10	Tea Break & Poster viewing: P01 – P60
11:10-11:35	Keynote Talk 2: Dr. Easwaran Sreekumar Antiviral development against emerging viruses: Surrogate virus systems for screening entry inhibitors
11:35-11:50	Lead Lecture 3: Dr. Soma Chattopadhyay Development of anti-viral molecules against chikungunya and other emerging viruses
11:50-12:05	Lead Lecture 4: Dr. Venkateswarlu Chamcha From bench to bedside: Advancing drug and vaccine innovation in global pharma
12:05-13:05	Oral Presentations: DC6 to DC11
13:05-13:30	Panel Discussion: Development of countermeasures: Innovations for response Dr. Akhilles C Mishra, Dr. Vidya A Arankale & Dr. Manju Rahi
13:30-14:15	Lunch & Poster viewing
Session II Chairs: Dr. Sheela Godbole & Dr. Vidya A Arankalle	
14:15-15:15	Oral Presentations: DC12 to DC17
15:15-15:30	Lead Lecture 5: Dr. Gaurav Batra Why we still miss dengue: The diagnostic gaps we can close now
15:30-15:45	Lead Lecture 6: Dr. Manoj Kumar Artificial intelligence and machine learning driven antiviral drug discovery and repurposing for dengue virus
15:45-16:00	Tea Break
16:00-16:25	Keynote Talk 3: Dr. Suresh Kuchipudi Emerging host and tissue tropism of highly pathogenic avian influenza H5N1 clade 2.3.4.4b viruses
16:25-17:00	Oral Presentations: DC18 to DC19
17:05-18:00	Poster Viewing Session: P61 – P120
18:00-18:30	Inaugural address: Organizing Secretary, VIROCON 2025 and Secretary DHR & DG ICMR
18:30-19:30	IVS Activities
19:30-21:00	Dinner

Theme: Basic Virology (Hall 3) Day 1 – 08/12/2025	
Session I Chairs: Dr. V Stalin Raj & Dr. Sweety Samal	
Time	Speakers & Title of talk
09:00-10:00	Oral Presentations: BV1 to BV5
10:00-10:25	Keynote Talk 1: Dr. Murali Krishna Kaja Human immunity to dengue in India
10:25-10:40	Lead Lecture 1: Dr. Sujatha Sunil It's a small small world! microRNAs, Viruses and Pathogenesis
10:40-10:55	Lead Lecture 2: Dr. John B. Johnson Molecular and functional landscape of complement evasion by Chandipura virus
10:55-11:10	Tea Break & Poster viewing: P01 – P60
11:10-11:25	Lead Lecture 3: Dr. Vijay Bondre Accelerating antiviral discovery for neglected neurotropic viruses through strategic repurposing of broad-spectrum drugs
11:25-11:40	Lead Lecture 4: Dr. Nishi Raj Sharma Strategies and mechanisms of a DNA and RNA virus against cytoplasmic antiviral RNA granules
11:40-13:00	Oral Presentations: BV6 to BV11
13:00-13:30	Panel Discussion: Basic virology for cutting-edge research and development Dr. Shashank Tripathi, Dr. Easwaran Sreekumar, Prof. Radha Kanta Ratho & Dr. Deepak Gadkari
13:30-14:15	Lunch & Poster viewing
Session II Chairs: Dr. Murali Krishna Kaja & Dr. Ashok K Bagga	
14:30-14:45	Lead Lecture 5: Dr. Mamta Chawla Sarkar Host–Pathogen Tug-of-War: Rotavirus hijacks host cellular Glutamine metabolism pathway to facilitate its replication
14:45-16:00	Oral Presentations: BV12 to BV18
16:00-16:15	Tea Break
16:15-17:05	Oral Presentations: BV19 to BV23
17:05-18:00	Poster Viewing Session: P61 – P120
18:00-18:30	Inaugural address: Organizing Secretary, VIROCON 2025 and Secretary DHR & DG ICMR
18:30-19:30	IVS Activities
19:30-21:00	Dinner

Theme: One Health and Pandemic Preparedness (Hall 1) Day 2 - 09/12/2025	
Session III Chairs: Dr. Manmohan Parida & Dr. Nivedita Gupta	
Time	Speakers & Title of talk
09:00-10:00	Oral Presentations: OP21 to OP25
10:00-10:25	Keynote Talk 3: Dr. Sindura Ganapathi One Health beyond Zoonosis
10:25-10:40	Lead Lecture 8: Dr. R. Selvarajan Plant virus evolution and emerging threats: Safeguarding agricultural biosecurity in a changing climate
10:40-10:55	Lead Lecture 9: Dr. Nimesh Gupta Gut Immune Axis shape protective immunity against viruses
10:55-11:10	Tea break & Poster viewing: P121 – P180
11:10-11:35	Keynote Talk 4: Dr. Rakesh Mishra Metagenomics-Based Environmental Surveillance
11:35-11:50	Lead Lecture 10: Dr. Mukesh Gupta ICMR-NARFBR: Strengthening India's Biopreparedness for Preclinical Virology Research and Zoonotic Countermeasures
11:50-12:05	Lead Lecture 11: Dr. Jayati Mullick Insights into the critical roles for the complement system in viral pathogenesis
12:05-13:00	Oral Presentations: OP26 to OP30
13:00-13:30	Panel Discussion: Climate change and its impact on arthropod-borne viral transmission Dr. Ashok K Bagga, Dr. Manju Rahi, Dr. Roxy Mathew Koll & Dr. R Selvarajan
13:30-14:15	Lunch & Poster viewing session
Session IV	
14:15-15:15	Bridging Innovation Pipelines: Academia, Industry & Incubators BBIL, SII, Premas Biotech, Takeda, Merill Diagnostics and Illumina Moderators: Dr. Suchita Markan & Dr. Neeraj Aggarwal
15:15-15:35	Presentation by winner of "Keshvi Sharma Memorial Award 2025 for Excellence in Fundamental Virology" to Dr. Shashank Tripathi, IISc, Bengaluru
15:35-15:45	Tea break
15:45-17:30	IVS Oration Awards

Theme: Development of Countermeasures (Hall 2) Day 2 – 09/12/2025	
Session III Chairs: Dr. Easwaran Sreekumar & Dr. Suresh Kuchipudi	
Time	Speakers & Title of talk
09:00-10:00	Oral Presentations: DC20 to DC24
10:00-10:15	Lead Lecture 7: Dr. Suchita Markan ICMR strategic initiatives aimed at accelerating medical research product development and health innovations
10:15-10:30	Lead Lecture 8: Dr. Chiranjay Mukhopadhyay Viral sepsis: Understanding the known, exploring the unknown
10:30-10:45	Lead Lecture 9: Dr. Rajesh Kumar Antibody based therapeutic interventions for viral infections
10:55-11:10	Tea break & Poster viewing: P121 – P180
11:10-11:25	Lead Lecture 10: Dr. Omesh Bharti Rabies-Free India: Translating Field Evidence into National Policy
11:25-11:40	Lead Lecture 11: Dr. Nagendra Hegde Characterization of lytic bacteriophages targeting Staphylococcus aureus, Escherichia coli and enterococci
11:40-13:00	Oral Presentations: DC25 to DC31
13:00:-13:30	Panel Discussion: Bridging Bench to Bedside: Advances in Clinical Trials and Translational Virology Dr. Sheela Godbole, Dr. Srikanth Tripathy, Dr. Manoj Murhekar & Dr. Aparna Mukherjee
13:30-14:15	Lunch & Poster viewing
Session IV	
14:15-15:15	Bridging Innovation Pipelines: Academia, Industry & Incubators BBIL, SII, Premas Biotech, Takeda, Merill Diagnostics and Illumina Moderators: Dr. Suchita Markan & Dr. Neeraj Aggarwal
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15:35-15:45	Tea break
15:45-17:30	IVS Oration Awards

Theme: Basic Virology (Hall 3) Day 2 – 09/12/2025	
Session III Chairs: Dr. Saumitra Das & Dr. John B Johnson	
Time	Speakers & Title of talk
09:00-10:00	Oral Presentations: BV24 to BV28
10:00-10:25	Keynote Talk 2: Dr. Mehul Suthar Humoral immune response to SARS-CoV-2 infection and vaccination
10:25-10:40	Lead Lecture 6: Dr. Prasenjit Guchhait DENV specific afucosylated antibodies determine vascular leakage severity in dengue infection
10:40-10:55	Lead Lecture 7: Dr. Stalin Raj ACE2-Mediated Entry and Intracellular Trafficking Mechanisms of SARS-CoVs as Targets for Novel Therapeutic Strategies
10:55-11:10	Tea Break
11:10-11:35	Keynote Talk 3: Dr. Sudhanshu Vratl Role of the host proteins in Japanese encephalitis virus replication
11:35-11:50	Lead Lecture 8: Dr. Shashank Tripathi Two fronts, one fight: Designing combination therapies for Viral Control
11:50-12:40	Oral Presentations: BV29 to BV32
12:45-13:30	Panel Discussion: Innovators Interface – Role of academia, industry, incubators & emerging talent Dr. Sreenivasulu Kilari, Dr. Sanjay Singh & Dr. Suchita Markan
13:30-14:15	Lunch & Poster viewing: P121 – P180
Session IV	
14:15-15:15	Bridging Innovation Pipelines: Academia, Industry & Incubators BBIL, SII, Premas Biotech, Takeda, Merill Diagnostics and Illumina Moderators: Dr. Suchita Markan & Dr. Neeraj Aggarwal
15:15-15:35	Presentation by winner of “Keshvi Sharma Memorial Award 2025 for Excellence in Fundamental Virology” to Dr. Shashank Tripathi, IISc, Bengaluru
15:35-15:45	Tea break
15:45-17:30	IVS Oration Awards

Theme: One Health and Pandemic Preparedness (Hall 1) Day 3 - 10/12/2025	
Session V Chairs: Dr. Sindhura Ganapathi & Dr. Manju Rahi	
Time	Speakers & Title of talk
09:00-10:00	Oral Presentations: OP31 to OP36
10:00-10:25	Keynote Talk 5: Dr. Manoj Murhekar Conducting research during outbreaks
10:25-10:40	Lead Lecture 12: Dr. Montarat Thavorncharoensap Translated vaccine innovation into value: Health outcome, economic preferences and equity
10:40-10:55	Lead Lecture 13: Dr. Varsha Potdar Multi-site epidemiological and virological surveillance of Influenza and other respiratory viruses in India
10:55-11:10	Tea Break
11:10-11:35	Keynote Talk 6: Dr. Usa Chaikledkaew HTA in viral diagnostics and therapeutics for Policy decision making
11:35-11:50	Lead Lecture 14: Dr. Pragya Yadav Biosafety and Biosecurity Requirement in One Health Research
11:50-12:05	Lead Lecture 15: Dr. Anirban Roy When RNA surveillance meets with plant immunity: The tale of pelota protein's balancing act in tomato begomovirus interaction
12:05-13:30	Oral presentations: OP37 to OP42
13:30-14:15	Lunch and Poster viewing session: P181 – P240
14:15-15:00	Oral presentations
15:00-15:45	Tea Break
Session VI IVS Award Presentations and Valedictory Session Chairs: IVS Executive Committee Members	
15:45-17:00	IVS Young Scientist Award Presentations
17:00-18:00	Valedictory Function & IVS GB meeting

Theme: Development of Countermeasures (Hall 2) Day 3 – 10/12/2025	
Session V Chairs: Dr. V. Balamurugan & Dr. Neeraj Aggarwal	
Time	Speakers & Title of talk
09:00-10:00	Oral Presentations: DC32 to DC36
10:00-10:15	Lead Lecture 12: Dr. Kar Muthumani Advancements in Vaccines and Antibody Therapy for Global Viral Threats
10:15-10:30	Lead Lecture 13: Dr. Tripti Srivastava Advancement towards Next Generation Influenza Universal Vaccine Candidate development; targeting pandemic preparedness
10:30-10:45	Lead Lecture 14: Dr. Sarah Cherian Systems biology approach and high performance computing in virology research and antiviral drug discovery
10:55-11:10	Tea Break
11:10-11:25	Lead Lecture 15: Dr. K Alagarasu Immune Dysregulation and Cytokine Storm During Viraemic Phase as Drivers of Severe Dengue Pathogenesis
11:25-11:40	Lead Lecture 16: Dr. Sweetly Samal Building India's Shield Against Nipah through Indigenous Structural Subunit Vaccine Development
11:40-11:55	Lead Lecture 17: Dr. Shailesh Pawar Highly Pathogenic Avian Influenza: Pandemic preparedness through One Health and Vaccine Development in India
11:55-12:10	Lead Lecture 18: Dr. Sheela Godbole Ending AIDS in India - Challenges and Opportunities
12:10-13:30	Oral Presentations: DC37 to DC42
13:30-14:15	Lunch & Poster viewing: P181 – P240
14:15-15:00	Oral Presentations: DC43 to DC46
15:00-15:45	Tea Break
Session VI IVS Award Presentations and Valedictory Session Chairs: IVS Executive Committee Members	
15:45-17:00	IVS Young Scientist Award Presentations
17:00-18:00	Valedictory Function & IVS GB meeting

Theme: Basic Virology (Hall 3)**Day 3 – 10/12/2025****Session V****Chairs: Dr. Shashank Tripathi & Dr. Sujatha Sunil**

Time	Speakers & Title of talk
09:00-10:00	Oral Presentations: BV33 to BV37
10:00-10:25	Keynote Talk 4: Dr. Saumitra Das RNA binding proteins and RNA viruses: A journey together
10:25-10:40	Lead Lecture 9: Dr. Naveen Kumar Epigenetic Regulators: Emerging Therapeutic Targets and Vaccine Modulators
10:40-10:55	Lead Lecture 10: Dr. Shaily Tomar Crippling Viral Protease and Immune suppression: Host and DUB inhibitors as dual acting antivirals against SARS-CoV-2
10:55-11:10	Tea Break
11:10-11:25	Lead Lecture 11: Dr. Anuradha S Tripathy Deciphering the role of NK cell mediated innate immune response in chikungunya
11:25-11:40	Lead Lecture 12: Dr. Nischay Mishra Agonistic molecular and serological approaches for discovery and detection of emerging Zoonotic threats
11:40-13:30	Oral Presentations: BV38 to BV47
13:30-14:15	Lunch & Poster viewing: P181 – P240
14:15-15:00	Oral presentation
15:00-15:45	Tea break

Session VI**IVS Award Presentations and Valedictory Session****Chairs: IVS Executive Committee Members**

15:45-17:00	IVS Young Scientist Award Presentations
17:00-18:00	Valedictory Function & IVS GB meeting