Day 1:  17 December 2013

10.00 -10.45  Prof Kameshwar Sahay Bhargava Oration
Prof Jacob John, Eminent Virologist  Imagining Polio-Free World

10.45 -11.00  Tea Break

11.00 -13.00  Plenary Lectures

Chairpersons

Prof M P Yadav  Dr Kenneth Earhart  Prof Rudra P Singh
Dr Siba K Samal  Director  ???
Global Disease Detection (GDDIC)
India Centre, New Delhi

Plenary Lectures

Prof Anupam Verma  Agro-ecological evolution of begomoviruses in India
Prof V Ravi  A century of rise and fall of human viral diseases
Prof Siba K Samal  Paramyxovirus as vaccine vectors against human and animal pathogens
Prof I Karunasagar  Viral diseases – A challenge to aquaculture industry

13.00-14.00  Lunch Break

14.00-16.00  Plenary Lectures

Chairpersons

Prof Anupam Verma  Dr AC Mishra  Prof Siba K Samal
Prof MP Yadav  Former Director  Dean Vety Virology
Dr Sita Naik  NIV, Pune  Maryland, USA

Plenary Lectures

Dr Kenneth Söderhäll  Antiviral activity in a crustacean
Prof MP Yadav  ...
Prof Rudra P Singh  Half a century with viroids
Prof Sita Naik  Hepatitis E: A global perspective
Prof Satya Dandekar  Gut feeling: Immunology and genomics of HIV persistence and chronic immune activation

0-18.00  INAUGURAL FUNCTION

Welcome address
Introductory Remarks
Inaugural Address  Dr VM Katoch, Secretary DHR & Director General, ICMR
Address by Chief Guest
Awards Ceremony
Release of book authored by HC Gera  ‘Sting in the Buzz’
Address
Vote of Thanks
18.00-18.30  High Tea
16.30-19.30  Editorial Board & Executive Council Meeting
19.30-21.00  Founder President’s Welcome Dinner
VIROCON-13: Asia-Pacific Congress of Virology
Medical Virology: Scientific Sessions

Chief Coordinators

V Ravi, Professor of Neurovirology
Registrar, NIMHANS, Bengaluru

AC Mishra, Former Director
National Institute of Virology, Pune

18 December 2013:

09.30-01-00 SESSION-I: Influenza/Respiratory Viruses & Enteroviruses

Chairpersons:

AK Prasad
Influenza Foundation of India

Shashi Khare
NCDC, Delhi

Reinhard Glueck
Cadila, Ahmedabad

Invited Lectures

D Vijaykrishna, Singapore
Origins of influenza epidemics

Lecna Yeolekar, Pune
Influenza vaccines: global and Indian scenario.

AK Khera, New Delhi
Measles elimination: The next challenging milestone in the offing.

P K Sinha, Stuttgart, Germany
RNA-Nanotechnology prospects & challenges in influenza virus infection.

Priyanka Bhagat, Cambridge, UK
Looking at influenza viruses through molecular eyes: Re-assortment, virulence and drug target genes & role of reverse genetics

Bijantimala Misra
Unraveling the role of viruses in myocarditis and possible therapeutic strategy

Hara, NIMHANS, Bengaluru
Childhood and adult onset of subacute sclerosing pan encephalitis

Minal Dakhave, NIV, Pune
Molecular surveillance of influenza viruses during post pandemic period

Poster Presentations

Roopali Rajput, VPCI, New Delhi
Construction and characterization of recombinant scFv antibodies against nucleocapsid and non-structural proteins of Pand Influenza 2009 (H1N1)

Aswathy Raj, KMC, Manipal
Seasonality of influenza virus activity in North Kerala 2010-11

Kunal Patil, NIV, Pune
Characterization of Inf B viruses of pandemic and post pandemic period.

Pooja Sharma, IGMCH, Shimla
Post-influenza vaccination sub acute thyroiditis: a case report

Ramesh Kumar, AIIMS, New Delhi
Seasonal patterns of influenza: disappearance of Inf B from Delhi and NCR

Nirmal Kaundal, Amity & NCDC, Delhi
Molecular characterization and intratypic differentiation of Polio virus

M Sharma, PGIMER, Chandigarh
Role of enteroviruses, adenoviruses and coxsackievirus adenovirus

Maria Gabriela, Amity, NOIDA
Genetic evolution of hemagglutinin (HA) of pand influenza A 2009 H1N1.

DR Pati, VPCI, Delhi
Respiratory viral pathogens in influenza-like illness in Delhi hospitals

Sachin Kumar, NCDC, New Delhi
Genetic analysis of matrix gene of pandemic Influenza A (H1N1) 2009

S Sarkar, PGI, Chhindgarh
Burden of respiratory viruses in ALRIin children in north India

Megha Sharma, PGI, Chandigarh
Clinical epidemiological profile of Influenza H1N1 infections at a tertiary care hospital of north India in 2012-13

Renu Sharma, VPCI, Delhi
A comparative indexing of influenza a virus infection in pediatric cases from military hospital vs. civil hospital in Delhi

09.30-01-00 SESSION-II: Neurovirology and AES causing Exotic/Novel Viruses

Chairpersons:

V Ravi
NIMHANS, Bagaluru

Sudhanshu Vrati
THSTI & NII, New Delhi

Tapan N Dhole
SGPGI, Lucknow

Invited Lectures

DT Mourya, NIV, Pune
CCHF in India: Current perspectives

Parth T Agrawal, CCMB, Hyderabad
‘Mission’ Neuro-AIDS

R K Ratho, PGIMER, Chandigarh
Immunopathogenesis of Japanese Encephalitis

Veena Mittal, NCDC, Delhi
Current National Strategies for prevention & Control of Human Rabies

S Thangamani, Texas, USA
Arthropod Research in High-Containment Laboratories

C. Durga Rao, IIsc, Bangalore
Non-polio enteroviruses in acute flaccid paralysis, acute and persistent diarrhea, IFANSI and PIFANSI

Contd…2/.
**Oral Presentations**

S Nandini, PGI, Chandigarh  
Study of susceptibility of human neuronal cell lines to dengue virus type 2 as a marker of neuropathogenesis.

LK Arya, AMRF, Madurai  
Molecular Diagnosis and Imaging of ocular West Nile virus infection.

K Muruganathan, Sri Lanka  
An insight into the 2009/2010 dengue fever/dengue haemorrhagic fever outbreak in the jaffna peninsula, the northern Sri Lanka.

Sudheesh N, KMC, Manipal  
Assessment of immunogenic potential and protective efficacy of recombinant envelope candidate molecule against West Nile virus.

**Poster Presentations**

Hirawati Deval, Gorakhpur  
Persistence of enterovirus excretion in stool samples in AES patients.

Asefa Deressa, Adis Ababa, Ethiopia  
Challenges of human rabies diagnosis and supportive treatment in Ethiopia.

Raj Priya, DRDE, Gwalior  
Neuropathogenesis of novel ECSA genotype of chikungunya virus with A226V mutation in Mice: Innate immune response mechanism and inhibitory effect of Poly I:C on virus replication.

**13.00-14.00**  
Lunch

**14.00-18.00**  
**SESSION-III:** Human-Immunodeficiency Virus and AIDS

**Chairpersons:**

R Paranjape  
NARI, Pune

Arvind Rai  
NCDC, Delhi

Smitha Kulkarni  
NARI, Pune

**Invited Lectures**

Suzanne Crowe, Australia  

Shahid Jameel, ICGEB, New Delhi  
Micro-RNAs and HIV pathogenesis.

David Harrich, Australia  
Can gene therapy using transdominant Tat cure AIDS?

Gilda Tachedjian, Australia  
Vaginal microbiome metabolites and HIV susceptibility.

Akhil Bannerji, NII, New Delhi  
HIV Biology and pathogenesis by accessory proteins.

R Paranjape, NIV, Pune  
Pathogenesis and immunology of HIV.

**Oral Presentations**

Sunit K Khatkar, Maryland, USA  
Immunogenicity of HIV-1 env proteins expressed by NDV vector.

Supriya Singh, Oxford, UK  
Impact of HLA in immune control of HIV.

Sajid Husain, Amritsar  
Host factors in HIV/AIDS.

Larance Ronsard, NII, New Delhi  
HIV-1 Tat exon-1 variants from North India & their functional implications.

**Poster Presentations**

Hanu Ram, Rohtak & NCDC, Delhi  
Genetic mutation(s) in HIV-1 in drug naïve patients.

Sneh Lata, UCMS, Delhi  
Effect of natural variation on functional interaction between HIV-1 Tat and Vpr.

Uma Sharma, NCDC, Delhi & Megha Singhal, Chicago, USA  
Early diagnosis of HIV-1 in Infants born to HIV-1 positive women from 7 north-Indian states of India.

Rsalin Nayak, LHMC, New Delhi  
Prevalence of HIV/AIDS of all clients of ICTC-LHMC.

**14.00-18.00**  
**SESSION-IV:** Viral Hepatitis and Associated Infections  
(Parallel Session)

**Chairpersons:**

Premashish Kar  
MAMC, New Delhi

Abhay Chowdhary  
Haffkin Institute, Mumbai

Anita Chakraborthy,  
MAMC, Delhi Delhi

**Invited Lectures**

Premashish Kar, MAMC, New Delhi  
Epidemiology and clinical presentation of viral hepatitis in India.

Virendra Singh, PGI, Chandigarh  
Spectrum of complications of viral hepatitis and there diagnostic approach.

Kunal Das, Max Balaji, Delhi  
Medical management of viral hepatitis.

B Nayak, New Delhi  
Serological and molecular diagnostic approach in cases of viral hepatitis.

Contd…3/-
**Oral Presentations**

<table>
<thead>
<tr>
<th>Presenter</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seyed Reza Mohebbi, Tehran, Iran</td>
<td>Lack of Association between Transforming Growth Factor-β1 -509C&gt;T and +915G&gt;C polymorphisms and chronic hepatitis B in Iranian patients.</td>
</tr>
<tr>
<td>Sanjay B Rathod, NIV, Pune</td>
<td>Naïve and antigen specific expression profiling of peripheral-blood mononuclear cells from patients with self limiting Hepatitis E infection</td>
</tr>
<tr>
<td>MA Ashraf, MAMC, New Delhi</td>
<td>Circulation of the predominant genotype 3 of HCV during 2010-12</td>
</tr>
</tbody>
</table>

**Poster Presentations**

<table>
<thead>
<tr>
<th>Presenter</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shalabh Johri, Dehradun</td>
<td>Genomic alteration(s) in domain-III of 5’UTR of HCV from hemodialysis patients compared to HCV-HIV co-infected individuals</td>
</tr>
<tr>
<td>Artee Chaudhary, NCDC, Delhi</td>
<td>Multigene-based molecular diagnostics of HCV</td>
</tr>
<tr>
<td>Kaushal Yadav, Dibrugarh, Assam</td>
<td>Hepatitis B Disease Burden in Arunachal Pradesh of Northeast India</td>
</tr>
<tr>
<td>Sharwani, Amity, NOIDA</td>
<td>Continued prevalence of HCV genotype 1 and 3 in North India</td>
</tr>
<tr>
<td>CD Poduri, Waknaghat, HP</td>
<td>HCV: sequence similarities, therapies and the need for reclassification</td>
</tr>
</tbody>
</table>

**18.00-19.00  SESSION-V  Medical Virology: Academia-Industry Interaction for Transfer of Technology**

**Panellists (Medical Virology):**

<table>
<thead>
<tr>
<th>Presenter</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof V Ravi, NIMHANS, Bangalore</td>
<td>DNA Chip for quick diagnosis of notorious viral pathogens</td>
</tr>
<tr>
<td>Dr RK Ratho, PGIMER, Chandigarh</td>
<td>LAMP technology for diagnosis of Pandemic H1N1 2009 virus</td>
</tr>
<tr>
<td>Dr Abdhany Chowdhary, Haffkine, Mumbai</td>
<td>Innovation in efficient resource e.management of viral diagnostic lab</td>
</tr>
</tbody>
</table>

**Presentations**

<table>
<thead>
<tr>
<th>Presenter</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>V Ravi, NIMHANS, Bangalore</td>
<td>DNA Chip for quick diagnosis of notorious viral pathogens</td>
</tr>
<tr>
<td>M M Parida, DRDE, Gwalior</td>
<td>LAMP technology for diagnosis of Pandemic H1N1 2009 virus</td>
</tr>
<tr>
<td>V Srivastava, Sysbiome Technology</td>
<td>Innovation in efficient resource e.management of viral diagnostic lab</td>
</tr>
</tbody>
</table>

**19.00-20.00  (Late Evening) Joint-Session for Academia-Industry Interaction**

**19 December 2013**

**09.30-01.00  SESSION-VI: Dengue and other human arboviral infections**

**Chairpersons:**

<table>
<thead>
<tr>
<th>Presenter</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radha K Ratho, PGIMER, Chandigarh</td>
<td>Vector-pathogen-host interface: Nidus of arbovirus transmission</td>
</tr>
<tr>
<td>Sudhanshu Vrati, THSTI &amp; NII, New Delhi</td>
<td>Expanding horizone of arboviral infections in the Asia-Pacific region</td>
</tr>
<tr>
<td>T Mourya, NIV, Pune</td>
<td>Evolutionary dynamics of dengue viruses over last five decades in India</td>
</tr>
<tr>
<td></td>
<td>Bionomics and prevention/control of JE vectors in India</td>
</tr>
<tr>
<td></td>
<td>Viral arthritis with special reference to chikungunya: an overview</td>
</tr>
<tr>
<td></td>
<td>Recent neurological issues in dengue infection</td>
</tr>
<tr>
<td></td>
<td>Detection of early warning signal for dengue outbreak</td>
</tr>
</tbody>
</table>

**Invited Lectures**

<table>
<thead>
<tr>
<th>Presenter</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>S Thangamani, Texas, USA</td>
<td>Vector-pathogen-host interface: Nidus of arbovirus transmission</td>
</tr>
<tr>
<td>Mala Chaabra, NCDC Delhi</td>
<td>Expanding horizone of arboviral infections in the Asia-Pacific region</td>
</tr>
<tr>
<td>PK Dash, DRDE, Gwalior</td>
<td>Evolutionary dynamics of dengue viruses over last five decades in India</td>
</tr>
<tr>
<td>VK Raina, NVBDCP, New Delhi</td>
<td>Bionomics and prevention/control of JE vectors in India</td>
</tr>
<tr>
<td>Uma Kumar, AIIMS, Delhi</td>
<td>Viral arthritis with special reference to chikungunya: an overview</td>
</tr>
<tr>
<td>UK Misra, SGPGI, Lucknow</td>
<td>Recent neurological issues in dengue infection</td>
</tr>
<tr>
<td>Roop Kumari, NCDC, Delhi</td>
<td>Detection of early warning signal for dengue outbreak</td>
</tr>
<tr>
<td></td>
<td>Faster replication of recent outbreak strains of chikungunya virus: implication in understanding emergence of the epidemic</td>
</tr>
<tr>
<td></td>
<td>Clinical and laboratory profiles of dengue fever (DF) and dengue hemorrhagic fever (DHF) in patients in the Western Province of Sri Lanka</td>
</tr>
</tbody>
</table>

**Oral Presentations**

<table>
<thead>
<tr>
<th>Presenter</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priyanka Singh, NCDC, Delhi</td>
<td>Epidemic re-emergence of chikungunya virus in the Indian subcontinent</td>
</tr>
<tr>
<td>Preeti Thakur, MAMC, New Delhi</td>
<td>Role of interleukin-5 and TNF-alpha in the pathogenesis of dengue</td>
</tr>
<tr>
<td>Soma Chattopadhyay, ILS, Bhuvneshwar</td>
<td>Generation of Chikungunya virus non-structural protein-2 monoclonal antibody</td>
</tr>
<tr>
<td>RC Pandya, Surat</td>
<td>A dengue case management: retrospectively analysis of diseases burden, prevalence and upbeat participation of private hospitals</td>
</tr>
<tr>
<td>Pankaj Sharma, NCDC, Delhi</td>
<td>‘Arbovirus Toons’: Cartoon Exhibition</td>
</tr>
<tr>
<td>Keshav G Vaishnav, Surat</td>
<td>‘Arbovirus Toons’: Cartoon Exhibition</td>
</tr>
<tr>
<td>H C Gera, Ex-NVBDCP, Chandigarh</td>
<td>‘Arbovirus Toons’: Cartoon Exhibition</td>
</tr>
</tbody>
</table>

**Poster Presentations**

<table>
<thead>
<tr>
<th>Presenter</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDNN Sirisena, Sri Lanka</td>
<td>Clinical and laboratory profiles of dengue fever (DF) and dengue hemorrhagic fever (DHF) in patients in the Western Province of Sri Lanka</td>
</tr>
</tbody>
</table>

**13.00-14.00  Lunch**

Contd…4/-
Contd on.....19 December 2013

14.00-16.00  SESSION-VII: Innovative clinical and molecular virology

Chairpersons:
Lalit Dar  Tapan Dhole  Digvijay Singh
AIIMS, New Delhi  SGPGI, Lucknow  IGMC, Shimla

Invited Lectures
A K Sinha, NDMA, New Delhi
Emerging Viral Infections and Global Bio-security
LE Ayalew, Saskatchewan, Canada
Interaction of DDX3 and Bovine adenovirus-3 pVIII modulate the
acellular mRNA translation by excluding eIFs from cap binding complex
Radhika Tandon, AIIMS
Clinical management of ocular viral infections in the Indian sub-continent
DK Mitra, AIIMS, New Delhi
Future virus research in bio-defense perspectives
MM Parida, DRDE, Gwalior
IL-10 producing tregs leads to breakdown of TB in HIV positive individuals
Anant Mohan, AIIMS, New Delhi
Clinical presentation and management of human viral infections
AK Bagga, ICMR, New Delhi
Creation of National network for virology: DHR perspective

Oral Presentations
Poornima Sen, VPCI, New Delhi
Toll like receptors expression analysis in viral infection during acute asthma
Sheetal Chauhan, RPCentre
Human papillomavirus in malignant ocular tumors

Poster Presentations
Kritika Singh, AIIMS, New Delhi
Tracing gene fingerprints of Human herpes viruses in different ocular lesions
M Marbaniang, PGI, Chandigarh
Comparison of various methods using different Cryoprotectants for the
preservation of Hep-2 cells in liquid nitrogen
Kamran Zaman, PGI, Chandigarh
Role of TNF- α gene polymorphism in influenza patients
Una Sharma, NCDC, Delhi
TT virus in multi-transfused thalasemic children and blood donors
B K Jha, PGI, Chandigarh
To study the effect of lyophilization on infectivity and viral load of adenovirus

14.00-18.00  SESSION-VIII: Viral Vaccines, Antiviral Agents & Therapeutic Approaches

Chairpersons:
Sunil Gupta  V Ravi
CRI, Kasauli  NIMHANS, Bangaluru

Invited Lectures
Sudhanshu Vrati, THSTI & NII
Japanese encephalitis : development of novel vaccine candidates
Reinhard Glueck, Zydus-Cadila
Vaccinology: History, Present and Future
Anirban Basu, NBRC, Manesar
Molecular events during JE virus infection: towards novel
therapeutic targets
J Ramachandran, Ganga Gen Biotech
Phage-based therapeutics: will this novel approach bring revolution?

Oral Presentations
Madhu Khanna, VPCI, Delhi
Matrix epitope-based DNA vaccine provides significant protection
to mice against lethal H1N1 virus challenge
Tanvi Khera, ICGEB, Trieste, Italy
Molecular immunology of dengue vaccine development
G Nagalakshmi, Jadavpur, Kolkata
Synthesis, Characterization and Antiviral Evaluation of Some Novel 2-
[(substitutedphenyl/heteroaryl)imino]-3-phenyl-1,3-thiazolidin-4-ones
Sukumar Saha, Bangladesh
A DNA vaccine expressing nucleoprotein (NP) and HSV genes (VP22)
induces high protection against influenza virus
Jyoti S Kumar DRDE, Gwalior
Immunogenic potential and protective efficacy of recombinant envelope
candidate molecule against West Nile Virus

-------------