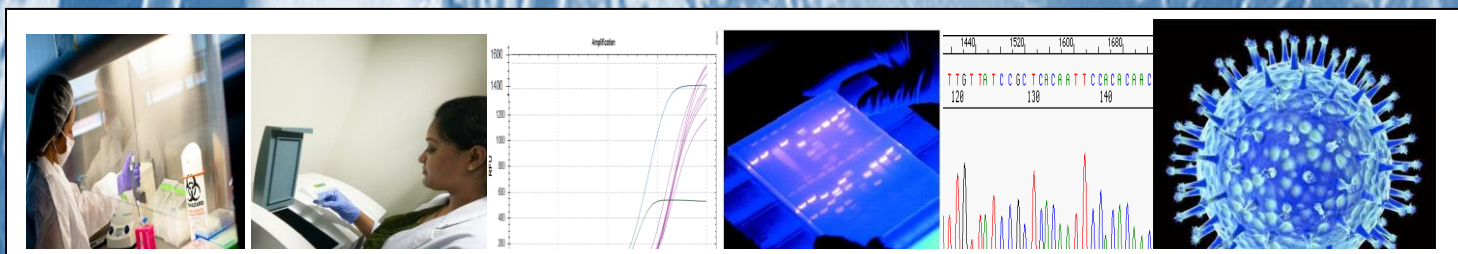




सत्यमेव जयते

NATIONAL WORKSHOP ON MOLECULAR DIAGNOSIS OF HUMAN VIRAL INFECTIOUS DISEASES

10TH - 13TH APRIL 2019



**ORGANIZED BY:
DEPARTMENT OF MICROBIOLOGY
STATE-VIRAL RESEARCH & DIAGNOSTICS LABORATORY (VRDL)
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
RAIPUR (C.G.)**

Message

Dear Colleagues,

Molecular biology from its emergence in last one or two decade has significantly transformed the approaches of diagnosis in various human viral infections. The importance of molecular biology may easily be imagined, understood and appreciated from the fact that most of the viral infectious diseases has been identified and ultimately confirmed with molecular tests viz., PCR, Reverse transcriptase PCR, Real Time PCR, Blotting, Sanger capillary and Next generation sequencing. The advanced molecular technology / methods have cemented the earlier gap in our knowledge of genetic insight of various viral infectious diseases. Unraveling the mystery of the various genes has opened a pandroma box of new stable, unique and conserved genetic markers which are increasingly being explored with various tools of molecular biology not only for the rapid sensitive and specific identification of infectious diseases, but also for vaccine and drug development. Currently, Virology laboratory, have not only enhanced its spectrum of diagnostic services for various viral agents like pdmH1N1, Zika, Dengue, Chikungunya, JE, HBV, HCV, HSV, VZV, CMV, Enteroviruses and HPV, but are also intensely involved in significant research having substantial impact on public health.

Thus, it is now mandatory for not only scientists, but also Medical Microbiologists to understand and upgrade their knowledge and skills in molecular diagnosis of viral diseases.

Therefore with an objective of providing theoretical and practical knowledge of molecular diagnosis of viral infectious diseases to the participants having MD / MSc / PhD qualifications, the Department of Microbiology and VRDL, AIIMS, Raipur, Chhattisgarh, take pride in inviting you to the first ever hands-on National Level Workshop on Molecular Diagnosis of Viral Infectious Diseases from 10th-13th April, 2019.

Prof.(Dr.) Nitin M Nagarkar

Chief Patron

Director, AIIMS, Raipur

Prof. (Dr.) S.P. Dhaneria

Patron

Dean (Academics), AIIMS, Raipur

Dr. Anudita Bhargava

Organizing Chairperson

Additional Professor, PI-VRDL,

Department of Microbiology, AIIMS, Raipur

Dr. Padma Das

Organizing Co-Chairperson

Additional Professor & HOD

Department of Microbiology, AIIMS, Raipur

Dr. Sanjay Singh Negi

Organizing Secretary

Associate Professor, Co-PI, VRDL

Department of Microbiology, AIIMS, Raipur

Agenda of the Workshop

1.	<i>Paradigm shift in diagnosis of human viral infectious diseases from conventional to molecular approach.</i>
2.	<i>Importance of appropriate sampling and transportation in diagnosis of Viral infectious diseases.</i>
3.	<i>Biosafety precautions required in the molecular diagnostic laboratory.</i>
4.	<i>Optimal use of Biomedical waste disposal guidelines in molecular diagnostic laboratory.</i>
5.	<i>Micropipette calibration in laboratory.</i>
6.	<i>Viral DNA / RNA extraction (Conventional and column based approach).</i>
7.	<i>Estimation of purity of Viral RNA / DNA and its concentration.</i>
8.	<i>Primer and probe designing.</i>
9.	<i>Real Time PCR.</i>
10.	<i>Viral load estimation (HBV / HPV).</i>
11.	<i>Genotyping / Serotyping.</i>
12.	<i>Nucleotide sequencing.</i>
13.	<i>Submission of Nucleotide sequences in GeneBank.</i>
14.	<i>Phylogenetic analysis.</i>

Resource Faculty- External experts from NIV, Pune, NIMHANS, Bangalore and IMTECH, Chandigarh will facilitate the workshop, apart from Internal faculty from AIIMS, Raipur.

Registration fee: Rs.8000/- INR. *(To be paid only by selected candidates)*

The workshop fee includes Registration, course material, breakfast and lunch on the days of workshop.

Account Name: Molecular Diagnostic Workshop 2019; Account No.: 936320110000295.

Bank: Bank of India (BOI), Tatibandh branch, Raipur

IFSC code: BKID0009363; MICR code: 492013010.

Number of participant: Twenty Five (25).

Criteria of selection: Basic educational qualification (MD/M.Sc./Ph.D.), working in Microbiology laboratory and first come first serve basis. All interested participants needs to download the attached registration form, fill it with all relevant information and send its scan soft copy to the mail id mentioned as under.

negidr@yahoo.co.in , statevrld@aiimsraipur.edu.in

Note: All participants need to carry their laboratory apron and laptop.

Important Dates: Last date of receiving applications- **28th February, 2019.**

Selected candidates will be informed by **7th March, 2019**

Last date of receiving payment by selected candidates - **15th March, 2019.**

For any queries, kindly contact

Dr. Sanjay Singh Negi

Associate Professor and Co-PI, VRDL

Department of Microbiology, AIIMS, Raipur

Ph: 8518881779 Mail id: negidr@yahoo.co.in



National Workshop on Molecular Diagnosis of

Human Viral Infectious Diseases

10th to 13th April 2019

Department of Microbiology

State-Viral Research & Diagnostic Laboratory (VRDL)

All India Institute of Medical Sciences, Raipur – 492099, C.G.

Organizing Committee

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Dr. Sanjay Singh Negi

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Dr. Archana Wankhade
Dr. Debabrata Dash
Dr. Pragya Agarwal

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Miss Priyanka Singh
Miss. Somya Sharma
Jian Chandrawanshi
Mohd. Rafiqualla Khan

Workshop supervisor

Mr. Kuldeep Sharma