

2nd National Workshop on Molecular Diagnosis of Human Viral Infectious Diseases

26th to 29th August 2020

Department of Microbiology

State-Viral Research & Diagnostic Laboratory (VRDL)
All India Institute of Medical Sciences, Raipur-492099, C.G.

Organizing Committee

Chief Patron

Prof. (Dr.) Nitin M. Nagarkar

Patron

Prof. (Dr.) S.P. Dhaneria

Organizing Chairperson

Dr. Padma Das

Organizing Co-

Chairperson Dr. Anudita Bhargava

Organizing Secretary

Dr. Sanjay Singh Negi

Scientific Committee Finance Committee

Dr. Anudita Bhargava Dr. Sanjay Singh Negi

Dr. Ujjwala N. Gaikwad Mr. Kuldeep Sharma

Dr. Archana Wankhade Mr. Nabin Karta

Dr. Pragya Agarwala

Mr. Devendra Verma

Registration & Reception

Dr. Pratibha Sharma

Dr. Swati Salila

Dr. Shagufta Khatoun

Dr. Rishika Prakash

Ms. Somya Sharma

Travel & Accommodation

Dr. Kumar Vikram

Dr. Akshay K

Mr. Jiyan Chandravanshi

Mr. Md. Rafiqualla Khan

Printing Committee

Dr. Anuniti Mathias

Dr. Oshrika Bose

Ms. Priyanka Singh

Mr. Md. Rafiqualla Khan

Catering Committee

Dr. Mayuri Bhise

Dr. Neetu Srivastava

Mrs. Swati Pathak

Mrs. Tamanna Khanam

Work Shop Facilitator

All Senior and Junior

Residents of Microbiology

All VRDL staff

Workshop supervisors

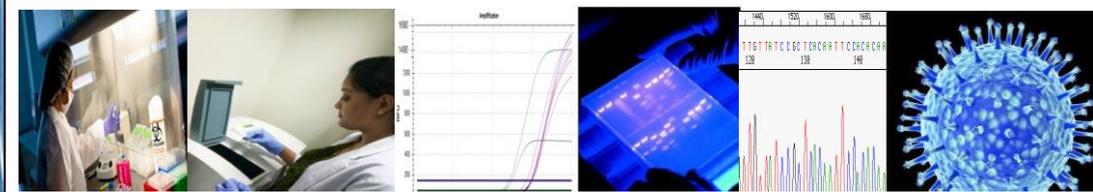
Dr. Pragya Agarwala

Mr. Kuldeep Sharma



2nd NATIONAL WORKSHOP ON MOLECULAR DIAGNOSIS OF HUMAN VIRAL INFECTIOUS DISEASES

26-29 August 2020



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 have 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 gaps in our knowledge of genetic insight of various viral infectious diseases. Unraveling the mystery of the various genes has opened a panorama 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 2nd National Workshop on Molecular Diagnosis of Viral Infectious Diseases from 26th-29th August, 2020.

Prof.(Dr.) Nitin M Nagarkar
Chief Patron
Director, AIIMS, Raipur

Prof. (Dr.) S.P. Dhaneria
Patron
Dean (Academics), AIIMS, Raipur

Dr. Padma Das
Organizing Chairperson
Additional Professor & HOD
Department of Microbiology,
AIIMS, Raipur

Dr. Anudita Bhargava
Organizing Co-Chairperson
Additional Professor, PI-VRDL,
Department of Microbiology,
AIIMS, Raipur

Dr. Sanjay Singh Negi
Organizing Secretary, Associate Professor
Department of Microbiology,
AIIMS, Raipur

Agenda of the Workshop

1. Overview of Diagnostic approach in Viral Diseases outbreak investigation.
2. Appropriate sampling and transportation in Viral disease diagnosis.
3. Biosafety precautions required in the molecular diagnostic laboratory.
4. Biomedical waste disposal in molecular diagnostic laboratory.
5. Basic of Tissue culture and CPE.
6. Micropipette calibration in laboratory.
7. Viral DNA/RNA extraction (Conventional and column based approach).
8. Estimation of purity of Viral RNA/DNA and its concentration.
9. Primer and probe designing.
10. Real Time PCR.
11. Viral load estimation (HBV/HPV).
12. HCV/HPV Genotyping.
13. Bioinformatic approach for Nucleotide sequence submission in Genebank, its alignment and analysis.
14. Phylogenetic analysis to trace Viral strains/Genotype/Serotype in outbreak investigation.

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

Credit Hours: Participants will get 08 credit hours by Chhattisgarh Medical Council.

Registration fee: Rs.10,000/- 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 name: Bank of India, (BOI), Tatibandh branch, Raipur

IFSC code: BKID0009363, **MICR code:** 492013010.

Number of participant: Thirty (30).

Criteria of selection: Basic educational qualification (MD/M.Sc./Ph.D.), working in Microbiology laboratory and first come first serve basis. All interested participants need to download the attached registration form, fill it with all relevant information and send its scanned soft copy to the mail id's mentioned as - 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-**15th May, 2020.**

Selected candidates will be informed by **31st May, 2020**

Last date of receiving payment by selected candidates - **30th June, 2020.**
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



REGISTRATION FORM

**2nd National Workshop on Molecular Diagnosis of
Human Viral Infectious Diseases**

(Please fill the form and send its scanned copy)

Name _____ Male Female

Qualifications _____

Address _____

EmailAddress _____

ContactNo _____

CurrentDesignation _____

Name ofInstitute/college/laboratory _____

WORKSHOPREGISTRATIONFEES: INR 10,000=00 (Ten Thousand RupeesOnly)

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

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

IFSC code: BKID0009363; **MICR code:** 492013010

Modeof payment: NEFT RTGS DD

Details of payment: _____

Date:

Place:

Signature

The Registration form must be accompanied by:

1. Brief CV of thecandidate

P.S- The accommodation will be provided on request by the selected candidates on payment basis in nearby hotels

Photograph