

Molecular Biology: Concepts and Applications in Viral Diagnostics December 18-20, 2018

A hands-on workshop



Regional Virology Lab
All India Institute of Medical Sciences Bhopal,
Saket Nagar, Bhopal, MP 462020

Patron
Prof. (Dr.) Sarman Singh
Director, AIIMS Bhopal

Regional Virology Lab, AIIMS, Bhopal

Regional Virology Lab (RVL) at AIIMS Bhopal is one of the ten proposed Regional Virology Laboratories which are being established by the Department of Health Research, Ministry of Health & Family Welfare, Govt. of India through its scheme titled "Establishment of a network of Laboratories for Managing Epidemics and Natural Calamities."

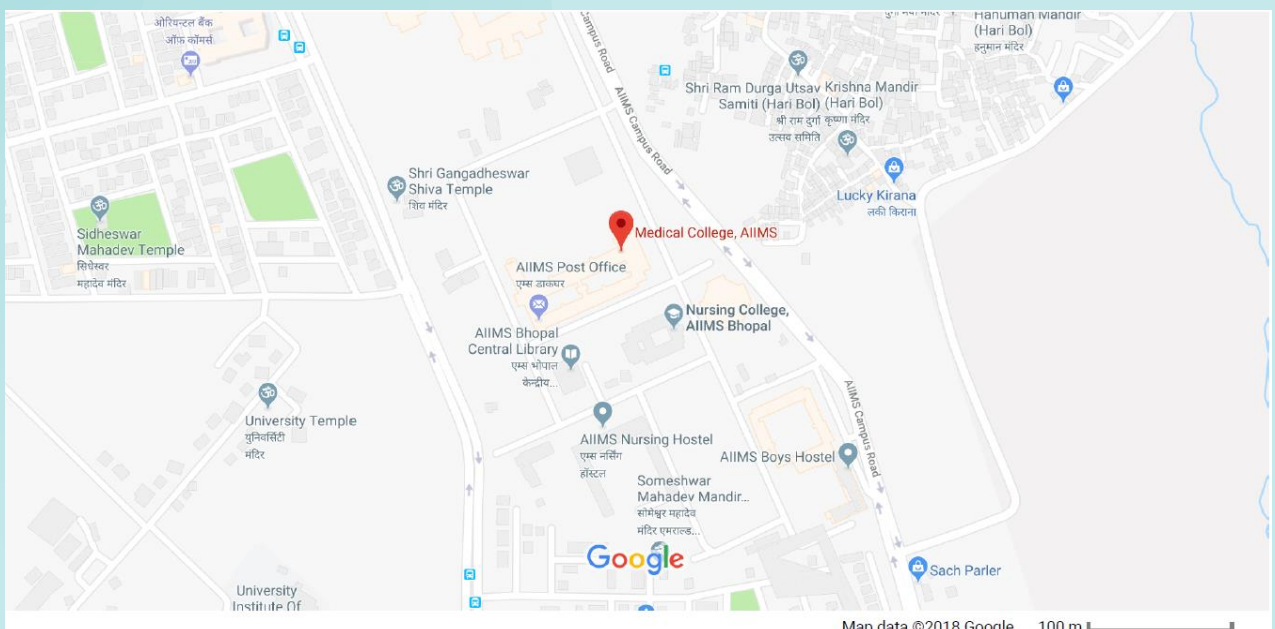
As part of its mandate, RVL AIIMS Bhopal endeavors to deliver reliable and state-of-art viral diagnostic facilities and pursue clinically relevant cutting-edge research for better understanding and management of key viral ailments.

In addition to diagnostics and research, we also aim at orienting young science and medical graduates in the field of Medical Virology with the purpose of developing critical human resources within the country for improved prophylaxis, diagnosis and treatment of viral diseases. We believe that educating current and future generation of biomedical professionals about Medical Virology is central to our ability to tackle the growing challenge of viral diseases.

To achieve this objective, we are inviting applications from interested students of **M.Sc. Life Sciences and MD (Microbiology)** to participate in a three-day hands-on workshop on "Concepts & Applications of Molecular Biology in Viral Diagnostics" from **December 18-20, 2018**.

The applicants are required to send in their brief curriculum vitae, a statement of purpose and a nomination letter from the head of the department/ institution along with the completed registration form to Dr. Debasis Biswas at debasis.microbiology@aiimsbhopal.edu.in by **November 30, 2018**.

Participation in the workshop is by invitation only and there is no registration fee. **The number of participants will be restricted to 20**. Incomplete applications will, however, not be entertained.



Highlights of the Workshop

- Overview of viral diagnostics
- Clinical Sample collection and Lab safety
- Molecular Biology in the context of viral diagnostics
- Nucleic acid purification: Basics & Techniques
- PCR & RT-PCR: Basics and experimentation
- Key considerations for diagnostic PCR, Sequence retrieval, Primer design
- Real time PCR
- Hands-on performance of the above-mentioned techniques
- Nucleic Acid Sequencing: Virtual Exercise
- Data analyses and interpretation

The workshop would also feature a *Panel Discussion on "Career Options for Students with Biomedical Education"*. Representatives from academia and industry will share their experiences about working in different domains of scientific enterprise. We aim to educate our participants about the possibilities that lie ahead of them so they can make informed career decisions.

Dates to remember

Date of workshop: December 18-20, 2018*

Last date of registration: November 30, 2018

*Workshop will start at 9:00 am on December 18, 2018 and conclude around 12:30 pm on December 20, 2018. Participants are advised to plan accordingly.

Lodging, travel and Food

- Outstation participants will be provided shared accommodation for free at AIIMS Bhopal Guest House.
- Travel expenses will not be reimbursed.
- Lunch will be provided for free at the workshop venue. However, participants will have to arrange for their breakfast and dinner which would be available on nominal payment at the Guest House. The kitchen staff needs to be informed in advance about breakfast and dinner plans.

Registration Form

(Please fill the form and send its scanned copy along with other documents mentioned*)

Name _____ Sex (M/F) _____

Degree enrolled in (M.Sc./MD) _____ Subject _____

University/College with address _____

Cumulative GPA or % mark from previous year/semesters _____

Mailing Address _____

Email id _____

Contact No. _____

Date
Place

Signature

* The Registration Form must be accompanied by:

(a) Brief CV of the candidate,

(b) Bonafide certificate from the head of the department/ institution,

(c) Statement of purpose within 100 words, stating why the candidate wishes to participate in the workshop.