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THE DEPARTMENT OF MICROBIOLOGY, NEIGRIHMS- SHILLONG INVITES YOU TO THE HANDS ON TRAINING CUM WORKSHOP ON VIROLOGICAL TECHNIQUES

DATE : 12 - 14 JUNE, 2024



ORGANISED BY

The State Level VRDL, NEIGRIHMS, Shillong.

FUNDED BY:

DHR/ ICMR Govt. of India, New-Delhi.

About the Workshop

A virus is an infectious microbe consisting of a segment of nucleic acid (either DNA or RNA) surrounded by a protein coat. A virus cannot replicate alone; instead, it must infect cells and use components of the host cell to make copies of itself. Often, a virus ends up killing the host cell in the process, causing damage to the host organism. Well-known examples of viruses causing human disease include AIDS, COVID-19, measles and smallpox. Diagnostic virology is rapidly moving into the mainstream of clinical medicine as a result of the convergence of several independent developments. Firstly, dramatic progress in antiviral therapeutics has increased the need for specific viral diagnoses. Secondly, technological developments, particularly in the area of nucleic acid chemistry, have provided important new tools for viral diagnosis. Hence, the State Level VRDL, NEIGRIHMS, Shillong is hosting a 3 days CME cum Hands-on Training & Workshop on "Molecular Techniques used for Surveillance of Viruses" covering topics on Diagnosing Virus infections in Humans, which will include the following diagnostic method: Decontamination of viruses, Isolation of RNA/DNA Virus. RT-PCR for detection of respiratory viruses. The hands-on training will be accompanied by theoretical lectures on the principle, applications and advances of these tools and techniques, quality control, Inventory, Biomedical waste management to be held between the 12th – 14th June, 2024 in the VRDL Lab, Dept of microbiology, NEIGRIHMS, Shillong..

Scope of the workshop

A 3 days CME cum Hands-on Training & Workshop on "Molecular Techniques used for Surveillance of Viruses" topics on Diagnosing Virus infections in Humans, which will include the following diagnostic method:

1. DONNING AND DOFFING OF PPE
2. DECONTAMINATION OF VIRUS
3. ISOLATION OF RNA/DNA VIRUS
4. RT-PCR

The hands-on training will be accompanied by theoretical lectures on the principle, applications and advances of these tools and techniques, quality control, Inventory management, Biomedical waste management.

Registration

Call in for applicants from various Educational Institutions under the different districts of Meghalaya to send their application via email mentioning their Name, educational qualification, telephone number, and email id to vrdl18neigrihms@gmail.com latest by the 31st May, 2024. The training will be free of cost, working lunch and tea will be provided, no TA/DA or accommodation will be provided for the same.

Number of Intake: 40 participants only on first come first serve basis only.