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HANDS ON TRAINING CUM WORKSHOP ON VIROLOGICAL TECHNIQUES

Date: 9th-14th October, 2023

Organised by:

The State Level VRDL, NEIGRIHMS, Shillong.



Funded by:

ICMR/DHR, 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 6-day "Hands on Training cum Workshop on Virological techniques for detection of viral infections from humans" covering topics on Diagnosing Virus infections in Humans, which will include the following diagnostic method: ELISA, Donning and doffing of PPE, Decontamination and Isolation of RNA/DNA Virus. RT-PCR for detection of SARS-CoV-2 virus. 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 9th – 14th October, 2023 in the VRDL Lab, Dept of microbiology, NEIGRIHMS, Shillong..

Scope of the workshop

A 6-day hands-on training cum workshop covering topics on Diagnosing Virus infections in Humans, which will include the following diagnostic method:

1. ELISA
2. DONNING AND DOFFING OF PPE
3. DECONTAMINATION OF VIRUS
4. ISOLATION OF RNA/DNA VIRUS
5. 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 (Lab technicians) from various hospitals under the different districts of Meghalaya to send their application via email mentioning their Name, occupation, work address, telephone number, and email id to vrdl18neigrhms@gmail.com latest by the 5th October, 2023. 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: 20 participants only on first come first serve basis only.