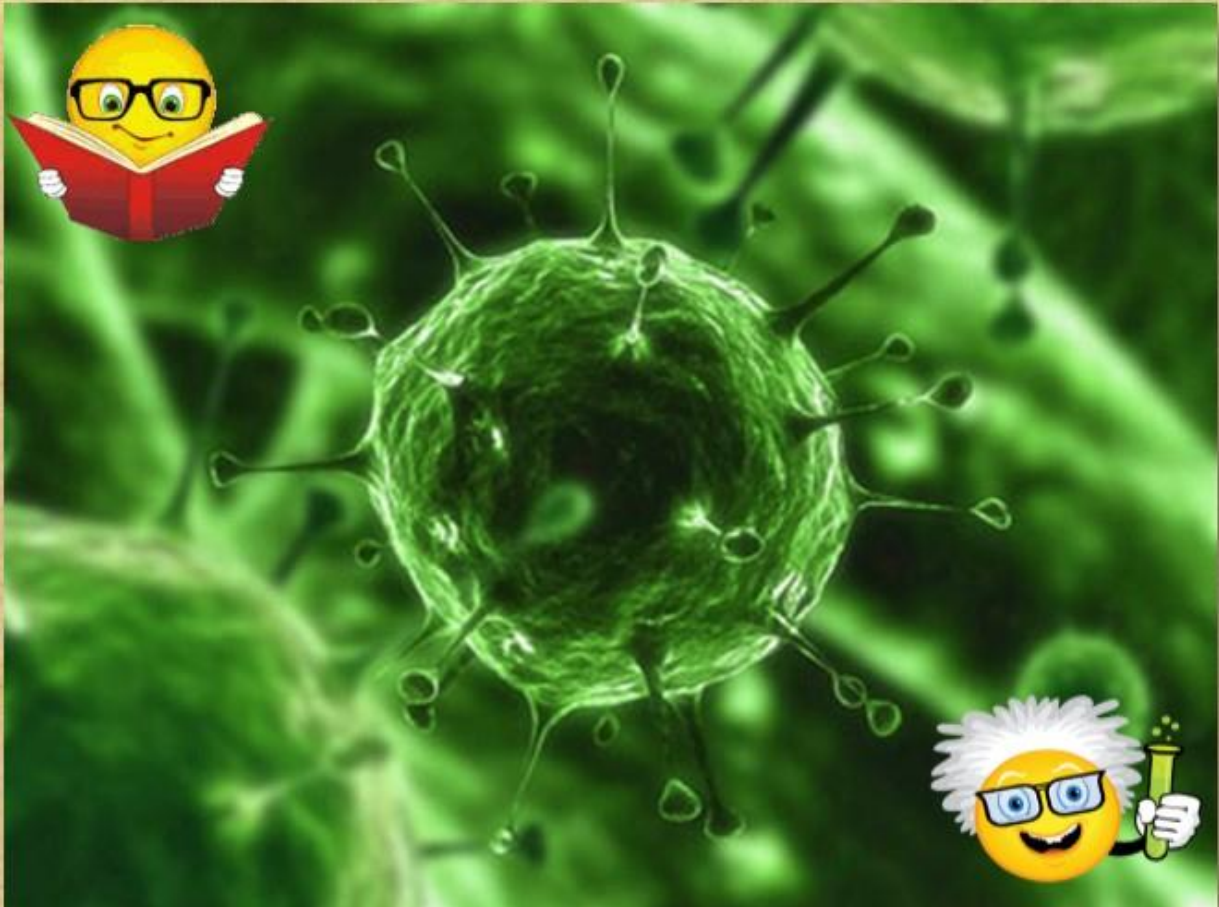




हाफकिन प्रशिक्षण, संशोधन व चाचणी संस्था
Haffkine Institute
for Training, Research & Testing



**HANDS ON TRAINING
IN TECHNIQUES IN VIROLOGY AND IMMUNOLOGY
2016**

FROM COURSEWORK TO LABWORK

DEPARTMENT OF VIROLOGY
virology@haffkineinstitute.org



HAFFKINE INSTITUTE FOR TRAINING, RESEARCH AND TESTING PAREL, MUMBAI – 400012

Module for Hands on Training in Techniques in Virology and Immunology

- ✂ One week course , Monday to Saturday
- ✂ Four batches, of 15-20 students each
- ✂ Tentative Dates: Batch 1: 20th June to 25th June 2016, Batch 2: 27th June to 2nd July 2016
Batch 3: 4th July to 9th July 2016, Batch 4: 11th July to 16th July 2016
- ✂ Tentative Time: 10:00am to 5:00pm
- ✂ Topics of the syllabus covered:
 1. Biosafety and Biosecurity
 2. Animal Tissue Culture
 3. Virus growth
 4. Antigenic Shift and Drift
 5. Immunofluorescence
 6. Diagnosis of viral infections
- ✂ Each topic to have a dedicated lecture and a hands-on training
- ✂ Course Details:

Sr. No.	Syllabus topic	Lecture	Hands-On
1	Handling of viruses	Biosafety and Bio-security	BSL-3 practices
2	Antigenic Shift & Drift	Influenza viruses	Hemagglutination / Inhibition
3	Virus growth	Life Cycle of DNA/RNA/Retroviruses	Chick Embryo Inoculation
4	Diagnosis of Viral Infection	Differential diagnosis of viral infections	ELISA (Ag/Ab) or ICT or PCR
5	Immuno-fluorescence	Immuno-fluorescence	Detection of Autoimmune disorders
6	Animal Tissue Culture	Animal Tissue Culture	Cell culture

- ✂ Course Fees: Rs 6500/-, payable in cash or DD in the favor of “**Director, Haffkine Institute for Training, Research and Testing, Mumbai**”.
- ✂ Timings for payment: 10.00 hours to 12.30 hours and 14:00 hours to 16:30 hours. Fees once paid are non-refundable & non-transferable
- ✂ **Contact Person:**
Mr. Nilesh Gaikwad
Medical Social Worker, Dept. of Training,
Haffkine Institute
Tel: 24160947/61/62, ext. 212
- Dr. Sweta T Kothari**
Course Coordinator & Head, Dept. of Virology
Haffkine Institute
Tel: 24160947/61/62, ext. 241

